

**MAHARSHI DAYANAND UNIVERSITY**  
**ROHTAK (HARYANA)**



**Self Study Report**

(Volume-I)

for

**Re-assessment and Re-accreditation**

by

**National Assessment and Accreditation Council Bangalore**

**December 2012**

# Contents

## Volume-I

	<b>Page No</b>
<b>A Preface</b>	
<b>B Executive Summary – The SWOC Analysis of the Institution</b>	1-21
<b>C Profile of the Institution</b>	22-72
<b>D Criteria-Wise Analytical Report</b>	
Criterion I : Curricular Aspects	73-91
Criterion II : Teaching-Learning and Evaluation	92-115
Criterion III : Research, Consultancy and Extension	116-162
Criterion IV : Physical Facilities	163-186
Criterion V : Student Support and Progression	187-205
Criterion VI : Governance, Leadership and Management	206-238
Criterion VII : Innovations and Best Practices	239-250
<b>Annexures : Shall be made available to the Peer Team during the ‘On-site visit’</b>	
1.1 Vocational/Add-on Courses	251-253
1.4 Courses offered through distance learning mode	254-255
1.5 Interdisciplinary Courses	256
2.1 List of Emeritus/Adjunct Faculty/Visiting Professors	257
2.2 List of teachers who have received awards/recognitions	258-260
2.3 List of faculty who have undergone staff development programmes	261-283
6.1 The Court and its constitution	284-285
6.2 The Executive Council and its constitution	286
6.3 The Academic Council and its constitution	287-288
6.4 The Finance Committee and its constitution	289
6.5 Important decisions taken by the Executive Council	290-292
6.6 Organizational chart of MDU, Rohtak	293
6.7 Committees . . . . . Academic and Administrative Performance Audit Report	294-301
6.8 Citizen Charter	302-305

**Prof. R. P. Hooda**  
**Vice-Chancellor**  
**Maharshi Dayanand University**  
**Rohtak**



### **MESSAGE**

**It is with a deep sense of gratitude and satisfaction that we welcome the illustrious collegium of NAAC to our university campus. NAAC is a body which promotes quality, diversity, and multifarious growth in educational institutions all over the country. We stand greatly beholden to the esteemed members who have spared their valuable time to join the peer team for reassessment of Maharshi Dayanand University, Rohtak (Haryana). It is thus a moment of gratification for us to present before the Peer Team our just credentials for the purpose of reaccreditation.**

**It is to humbly submit that the University has come a long way since its inception in 1976. What was conceived as an institution primarily dedicated to the teaching and learning of life sciences, has grown into a vivacious, multi-disciplinary hub of varied academic activities. Living up to its responsibility as a nodal centre of learning, research, and innovation, the university has since completed its initially identified mandate and has further attained a number of milestones successfully. The tasks and goals, some of which needed updating, too have been well accomplished.**

**May we assure the Peer Team that today our university is a much more responsible public institution committed to the true spirit of holistic teaching, learning and research. We look upon the Peer Team for their gracious consideration for assessment and accreditation of our university as a centre of excellence on all parameters. This will not only meet its just expectations, but will also help it grow and further improve upon all quality endeavours and attempt to offer still better facilities for quality education for our youth.**

**We are confident that our standard of physical development, achievements already made, and plans for future growth and development will meet the approval of the peer team as strong evidence of our legitimate strengths and firm commitment to quality assurance to all the stakeholders.**

**( R. P. HOODA )**



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## UNDERTAKING

This is to certify that: **Maharshi Dayanand University, Rohtak (Haryana)**

(Name of the Institution) fills all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council Body (such as NCTE, AICTE, MCI, DCI, BCI etc.) and
3. The affiliation and recognition (if applicable) is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regards to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by our institution found to be false then the accreditation given by NAAC is liable to be withdrawn.

The undertaking given to NAAC is also displayed on our Institution website.



(R. P. Hooda)

Date: 10.12.2012

Place: Rohtak

Note for implementation:

1. For those institutions where visits are already scheduled, this undertaking is to be submitted during the visit to the Co-ordinator alongwith the enclosures, if any.
2. For those institutions where visits are yet to be scheduled but SSR are with NAAC, the undertaking has to be submitted prior to the finalization of the visit.
3. For those institutions which are yet to submit SSRs, the undertaking has to be submitted alongwith SSR/SAR/RAR.



## **PREFACE**

Maharshi Dayanand University (MDU), Rohtak which came into existence in 1976, derives its name and identity from Maharshi Dayanand Saraswati, a great freedom fighter, renowned social reformer, and progressive ideologue of his time. The process of accreditation by the National Assessment and Accreditation Council (NAAC) epitomizes excellence in pedagogy, research, and governance of an institution of higher education and research. We are thus ready for reassessment by them yet again.

The University stands committed to the ideals of academic excellence, reiterating its credentials on the basis of augmented performance in nearly all spheres of its core functions and responsibilities. Having made new strides in research and innovations, various departments have recently secured 96 prestigious major research projects, besides bagging 11 UGC-SAP, 6 DST/FIST Programmes, two UGC Innovative Programmes, and establishment of a state-of-the-art Centre for Bioinformatics.

The faculty of Life Sciences has been specifically funded by the DBT, Govt. of India under Interdisciplinary Programme for Research in Life Sciences. The DBT has also granted to our M.Sc. (Medical Biotechnology) course the status of a specialized programme, admissions to which are made through a National Entrance Examination conducted by the J.N.U. on behalf of the Central Government.

Recruitment of highly qualified teaching staff, introduction of new courses with a potential of assured employability of our students, creation of a strong and diversified knowledge base by introducing 5-Year M.A./M.Sc. (Hons.) Integrated Courses of study in some select areas, and addition of new branches to the already existing ones in B.Tech and M.Tech. are some of the numerous steps initiated by the university in the recent past. Adoption of the latest campus-wide networking-cum-telephony with Wi-Fi Internet connectivity, state-of-the-art physical

infrastructure, a spacious sports complex, and enviable facilities for organizing a host of co-curricular activities for all round development of students have all lent a new dimension to our potential for further growth. The university administration is committed to transparent work ethos for discharge of its functions and responsibilities as a responsible public institution. Accordingly, various bodies/committees like Parent-Teacher Association, Career Guidance and Placement Cell, Corporate Resource Centre, Industry Liaison Cell, Grievance Redressal Cell, Hazardous Waste Management Committee, e-Waste Management Committee, and Green Audit Committee, etc. have been constituted to take good and effective care of diverse interests of the stakeholders.

The University has also connected itself well with the far flung areas of the country through its popular distance education programmes. Besides fulfilling the needs of specific segments of the society, the University is also generating handsome internal revenue by offering these programmes. A few other courses have also been introduced under Self-Financing Schemes (SFS) - an exercise in self-dependence. To increase the availability of hostel accommodation on the campus, Five (5) new hostels each for boys and girls with a total capacity of 2400 seats have been added in the academic session 2011-12.

There is a healthy and symbiotic connect among the various sections of campus community - teaching, non-teaching, and student fraternity. The sylvan surroundings of the University campus are truly rich and refreshing, attracting students even from outside India.

## **EXECUTIVE SUMMARY - THE SWOC ANALYSIS OF THE INSTITUTION**



**Biosciences Block**

## **EXECUTIVE SUMMARY: The SWOC ANALYSIS OF THE INSTITUTION**

The Maharshi Dayanand University, Rohtak was established in 1976, through an act of Haryana Legislative Assembly, as a residential University, with the objective to promote inter-disciplinary higher education and research with special emphasis on studies of environmental, ecological and life sciences.

### **Affiliated Colleges, Departments, Programmes, etc.**

In a span of 35 years, the University has progressed leaps and bounds to emerge as a leading centre of higher education not only in the state of Haryana, but also in the entire Northern Region of India. It has since acquired the status of a teaching-cum-affiliating University with 518 colleges presently affiliated to it, including 298 Colleges of Education offering B.Ed. and M.Ed. programmes, 96 Degree Colleges, 80 Engineering Institutions, 34 Management Institutes, and 6 Law Colleges. At present, the University offers courses of study through 11 faculties, 37 post-graduate teaching departments (UTD), one autonomous constituent institute known as University Institute of Engineering and Technology (UIET), a I.G.P.G. Regional Centre at Meerpur (Rewari), a University Institute of Law and Management Studies at Gurgaon, and a Directorate of Distance Education (DDE) that operates from the main campus.

### **Courses of Study**

Maharshi Dayanand University is a fast growing hub of wide range of courses being offered in the traditional, professional, and job-oriented streams. The nascent initiatives include establishment of a Centre for Bioinformatics, a Centre for Medical Biotechnology, Department of Food Technology, and Department of Library and Information Science. The University runs 62 programmes of study through its 38 PG departments on the campus and three centres, besides offering Ph.D. programmes in almost all subjects. As many as 12 new M.A. / M.Sc. courses were launched during the last 3-4 years. All these courses have been well received, and have taken off successfully.

In yet another initiative, the university has introduced 5-Year Integrated Master Programmes, offering admissions after class XII, in Commerce, Economics, Mathematics, English, Geography, Public Administration, and a 6-Year Integrated Master Course in Visual Arts (MVA). M.Tech. programmes have been offered in Engineering Physics in the Department of Physics, Geoinformatics in the Department of Geography, and Software Engineering in the Department of Computer Science & Applications, and also in Computer Science Engineering, Electronics & Communication Engineering, Mechanical Engineering, and Biotechnology in the faculty of Engineering and Technology. The commencement of next academic session will witness such courses offered in Civil and Electrical Engineering also. The Department of Pharmaceutical Sciences, has also offered new M. Pharma specializations in Pharmaceutical Chemistry, Pharmacognosy, and Pharmacology since last year.

The University has diploma level courses in French and Spanish to cultivate in its students linguistic skills in select foreign languages to create better mobility and greater employability in a wider arena.

### **Research Contributions**

Research activities occupy a place of utmost importance in the University's working. Its faculty have published 921 research papers in international journals, 2016 in national journals, and 65 in M.D.U. journals in the past 5 years. During the same period, they have contributed 206 research papers in international and 921 in the national seminars and conferences. Notably, the University publishes three Research Journals, namely, 1) M.D.U. Research Journal (Arts), 2) Journal of People and Society of Haryana, and 3) MDU Law Journal.

The University teaching departments have entered into research collaborations with 48 national and 15 international institutions. It has inked MoUs with 13 international and 3 national organisations, and 1 industry for the promotion of academic and research activities.

The faculty have been awarded 96 major research projects by the various funding agencies like UGC, CSIR, DBT, DST, etc. Besides, there are six (6) minor research projects. As many as 11 departments have received about Rs. 697 lac under the UGC-sponsored Special Assistance Programme (SAP) and Rs. 438 lac from the Department of Science & Technology (DST) under their FIST programme. The UGC has also approved M.Sc. (Forensic Science) programme of the Department of Genetics and M.Sc. (Environmental Biotechnology) of the Dept. of Environment Sciences as Innovative Programmes of study for special funding. On the whole, and as on date, the University stands given research grants worth Rs. 1118 lac by the various funding agencies. More are in pipeline.

The following three important initiatives which have been approved by the Department of Biotechnology, Govt. of India, need special mention:

1. The Faculty of Life Sciences has been approved for **Life Science Builder Grant** under the interdisciplinary programme for **Advanced Research and Teaching in Life Sciences**. An amount of Rs. 281 lac has been sanctioned for the purpose.
2. A Sub-Centre of Bioinformatics has been sanctioned to support **Teaching and Research in Life Sciences**. Rs. 27 lac have already been received, while the remaining balance Rs. 25 lac is expected any time during this very financial year.
3. The Centre for Medical Biotechnology has been given a special grant of Rs. 150 lac for the next two years under **DBT's Human Resource Development Project**. Fifteen (15) seats in M.Sc. (Medical Biotechnology) have been approved. The admissions on these seats are made through the National Entrance Test conducted by JNU on behalf of Govt. of India. Each student admitted is endowed with a scholarship of Rs. 5000 per month.

To promote research on its own account, the University finances 40 University Research Scholarships (URS) annually, accumulating to about 160 in any given financial year. Fifteen (15) additional URS are exclusively meant for SC category



students. At present, about 779 students are registered for Ph.D. in different subject departments. There are 90 JRFs and 9 SRFs, besides 54 Rajiv Gandhi National Fellowship awardees. Three faculty members are getting INSPIRE fellowship. There are about 367 research students working in the university at present as JRF/SRF/Project Fellows/Rajiv Gandhi National Fellowships/URS, etc.

The University departments also contribute to serving social concerns and community needs in their own humble way. The Department of Psychology regularly organizes health awareness camps for the promotion of their Positive Health agenda. Likewise, the Department of Sociology organizes field trips for social sensitization of their students. The Department of Environmental Science organizes environmental awareness campaigns to address the emerging environmental challenges which work as a threat to achieving the goal of sustainable development. Similarly, the Department of Genetics organizes awareness camps against AIDS, Cancer, and other dreaded diseases from time to time. Other departments too engage themselves in varied socially constructive and meaningful interactions beneficial to themselves and the society.

### **Research Chairs / Centres**

The University has cultivated healthy tradition of taking up research on the lives and works of eminent persons of national status. It has thus set up Research Chairs on Sir Chhotu Ram, Dr. B.R. Ambedkar, Jawaharlal Nehru, Maharshi Dayanand, Maharshi Valmiki, Pandit Lakhmi Chand, and Ch. Ranbir Singh in order to bring out and highlight through research their role and sterling contributions in their respective work spheres. The Department of Economics has its affiliate in the Institute of Development Studies with statutory status. The Centre for Haryana Studies and the Women Study Centre are relatively the new additions to the expanding work horizons of the varsity in the area of research and overall growth of academics.

### **Collaborations**

The University sincerely embraces its mission of providing quality education. To further this goal, it has inked MoUs with reputed educational and research organizations both at national and international level. More prominent among 16 such MOUs signed with various institutions, the ones with the National Institute of Malaria Research (N.I.M.R.), American Institute of Indian Studies, Institute of Humanity and Nature (Japan), and Central Electronics Engineering Research Institute (CEERI) have proved to be highly delivering. Having successfully completed a 5-year duration collaborative research project with the Korean Institute of Energy Research, the Chemistry Department is participating in this project with Universities of Valencia and Madrid in Spain, University of Minho in Portugal, and three others (one each from Poland, Chile, and Mexico).

### **Distance Learning Programme(s)**

The Directorate of Distance Education (DDE) of the University has established a niche for providing quality education to the needy distance learners, including a large section of women students. It runs both traditional and job-oriented

professional courses which aim at enhancing the learners' satisfaction and competitive capabilities. DDE is in expansion mode, with as many as 17 new academic programmes launched during the current academic session, including the two in the high-profile area of Financial Markets in collaboration with the National Stock Exchange (NSE). At present, it is offering 41 academic programmes, including 18 of postgraduate level. All courses have approval of the Distance Education Council (DEC), entailing registration of 1.50 lac students in its various distance learning programmes.

The working environ in DDE is highly student-friendly, since all its major operations have been turned online. A 24-hour support service system (Call Centre) too has been established for the benefit of students living at far off places. With all such innovative steps taken, the distance learning programmes have come to be ranked quite high on the popularity scale all over the country.

### **Regional Centre**

Massive infrastructure expansion of the University's satellite campus, called the Indira Gandhi P.G. Regional Centre, at Meerpur (Rewari) has been undertaken. A composite campus is coming up fast in the periphery of this village to serve as the long-awaited fillip in the surrounding educationally backward area of the State. Construction of a Teaching Block, an Administrative Block, two hostels, and quite a few residential quarters for the faculty and the staff are already nearing completion, more being in the pipeline.

### **University Library Services**

The University has carved out a highly conducive and enabling academic environ with its Vivekananda Library, named after the great social reformer Swami Vivekananda. Its rich knowledgebase encompasses 3,00,022 books, 48325 bound volume of journals, 14767 thesis, 435 current Indian journals, 118 current foreign journals, 6049 e-journals including 200 Open Access e-Resources, and 5 databases. Housed in a modern spacious building with 84,000 sq.ft. carpet area, the library provides seating capacity for 963 library users, with another 358 seats in its five offshoots. It has an air-conditioned Internet Lab with 80 PCs, 1 Gbps bandwidth internet connectivity, a multimedia library with 20 PCs, and an advanced Videoconferencing facility. The university library system is indeed fully automated in true sense, which others would envy to emulate.

The Vivekananda Library has a separate Archives Section where the Ph.D. and M.Phil. theses produced in the University are stacked with restricted access to information seekers to limit the scope of plagiarism. An air-conditioned Reading Hall with a seating capacity for 250 readers remains open 24X7 throughout the year, with a large number of readers thronging around all the time in search of a seat inside. During the last 6 years, an amount of Rs. 721 lac has been spent on the upgradation of knowledge resources, with an additional amount of Rs. 365 lac to be spent during 2012-13 financial year. Besides, a sum of over Rs.300 lac has been spent on library automation, strengthening of reading facilities and other infrastructural development during the same time period. A latest addition to the innovative practices adopted in the University Library is the use of Radio

Frequency Identification Technology (RFID) which will make the task of check-out check-in, and tracking of books and other material easier and more efficient.

### **Academic Reforms**

Bringing about academic reforms remains on the high agenda of the University with a view to build its academic strength and superiority. From the session 2009-10, semester system has been adopted in all courses offered on the campus and in the affiliated colleges. In order to make the system effective, all University Teaching Departments have been accorded full functional autonomy in matters of conduct of examinations and evaluation of answer scripts. While doing all this, the University ensures continuous revision and updation of syllabi of all courses. The latest UGC/AICTE/NCTE guidelines are kept in the centre-stage in the process of curriculum development and course tuning.

It is indeed unique of this University that the UGC mandated 180 teaching days are strictly observed and adhered to. Timely holding of examinations and declaration of results in accordance with the pre-determined schedule are other special achievements for others to envy. Admission to various courses is made through entrance examinations, besides appropriate weightages given to marks obtained in the qualifying examinations. Academic Audit of the teaching departments has been got done as per required norms to ensure better performance on all internal quality parameters. The Internal Quality Assurance Cell (IQAC) acts as a beacon of quality assurance and maintenance of academic standards. Other measures, like seeking students' feedback and reactions of other stakeholders, are also pursued to provide inputs for academic quality improvements.

### **Embracing Technology**

The University pays special care to the use of latest technological advancements in academic governance. This has resulted in massive computerization of all important day-to-day functions of the University. A dynamic Campus Wide Area Network already stands provided. In fact, ours is the first varsity which went into becoming a Wi-Fi campus in the region. All the teaching departments have been provided modern teaching aids and efforts are being made to initiate, adopt, and popularize the emerging IT-enabled teaching processes. Accordingly, each member of the faculty has been provided with a PC or laptop to further the cause of effective teaching delivery mechanism. Taking "networking" to the doorstep of every teacher and the ongoing drive to extend the facility to all hostels has been the top-most priority of the University administration during the last two years, with a good measure of progress already made in achieving the targets.

There is a special emphasis on adoption of e-governance practices in the varsity. The Directorate of Distance Education (DDE) has been the first important administrative functional unit to adopt computer-backed automation to the extent of putting all work processes online. Computerization process of all functions of the University, which includes administrative functions, financial matters, hostel operations, stores management, admissions, examinations, student support through **Call Centre**, etc., now in full swing is also nearing completion. The

focus is on achieving an effective, efficient, and transparent office functioning through the adoption of e-governance technologies.

### **Hostels and Campus Development**

The University has undertaken massive construction of hostel accommodation so that a large majority of students live on the campus, particularly girls, most of whom come from rural areas which still lack essential facilities. Five (5) new hostels for boys, each with a capacity of accommodating 240 students, have already been completed and taken over. An equal number of new hostels have been constructed and finally occupied by women students. Two more hostels each for boys and girls are at an advanced stage of completion. In all, more than 4000 students will have modern hostel living facility on the campus. Facilities like internet connectivity, gym, reading halls, and recreation rooms are salient features of hostel living.

In order to inspire sense of confidence in and appreciation of the virtues for campus academic life, physical development of the campus and its beautification are priority concerns of the University administration. All efforts being made in this direction have added to the aesthetically pleasing side of the entire campus. Well laid out figures and meaningful creations installed on important road crossings, like the ones named as Jai Jawan - Jai Kisan Chowk, Kranti Chowk, and Maharshi Dayanand Chowk, add purpose to the campus planning. Blooming flowers in the Rose Garden, well-paved sidewalks, carefully pruned plants along both sides of the campus roads, abundant greenery drive being in full swing, and the resulting eco-friendly ambience give a majestic look to the campus, especially more so when seen from a high roof-top.

### **Governance**

The University prides itself for dynamic administrative functioning and work delivery. To this end, a unique feature of the varsity is regular holding of the meetings of all Statutory Bodies, particularly of the Academic Council and the Executive Council which remain seized with the day-to-day decision-making. Importantly, these bodies have proper representation of all stakeholders as per requirements laid down in the Act and Statutes of the University. The meetings are conducted in a highly democratic environment, resulting in freely consultative, participative, and collective decision-making. The meetings of Board of Studies, Faculties, and IQAC, etc. are also held on regular basis for prompt decision-making on all time-bound academic matters.

### **Expansion of Physical Facilities**

Infrastructure is a key component of expansion and growth of any organization. Massive expansion of physical facilities undertaken during the last four years has marked rapid growth of the University in terms of needed infrastructure support services, and a much broader academic course profile. Modern, spacious, and well equipped buildings like that of the Centre for Biotechnology (CBT), University Institute of Engineering and Technology (UIET), the new Biosciences Block, and Institute of Hotel and Tourism Management (IHTM), to name only a few, have all

added to the shining academic face of the University. This has helped expansion of teaching and research activities in a big way.

A few more need-based academic buildings that are under construction will allow the much needed expansion of all such departments as are in need of more space. We dream of the present academic initiatives in Mathematics growing into a well-known Department of Mathematical Sciences; UIET and the Institute of Tourism and Hotel Management being the other fast developing shining stars on the country's academic horizon. UIET will join the league of the best Engineering Colleges with the utilization of Rs. 1000 lac special grant received from the World Bank on carefully chosen quality improvement initiatives. The Institute of Tourism and Hotel Management will also have far more improved physical facilities for learning hands on work skills with Rs. 200 lac special grant given by the Ministry of Tourism for the purpose.

### **Career Counselling and Placement**

A yet another new initiative taken by the University is the establishment of University Career Counselling and Placement Cell. This Cell remains actively involved in organizing career information talks by specialists and arranging placement opportunities for the University students. A University-Industry Liaison Cell too has been brought into being to facilitate and improve academia-industry interface.

### **Games and Sports**

The University has developed excellent facilities for games and sports on the campus. Its modern Sports Complex consists of an Open Stadium, an ultra modern multi-purpose indoor Gymnasium Hall, a Swimming Pool of international standard, a Squash Court, a Boxing Ring, a Wrestling Court (equipped with mats and rings), and other spacious play facilities. All taken together make the university campus a real hub of games and sports activities, so stupendous as to be seen for being believed. The Senior National Badminton Championship was organized in the University Indoor Stadium during Jan'2010. Synthetic Athletic Track and Astro-Turf Hockey Stadium are serious proposals for execution. Happily, the entire University sports ground area is a jogger's delight, particularly in the mornings and the evenings.

As a matter of fact, Maharshi Dayanand University is a leading University of the country which has so much excelled in the area of sports that it figures in the top-ten slot. It has a marvelous track record of enviable achievements in the All India Inter-University Tournaments, especially Boxing, Kabaddi, Wrestling, Judo, Athletics, Hockey, Korfbal, etc. About 60% students, who participated in these tournaments, were from this university alone. Happily, the University has also organized All India Camps, All India Cross Country Tournaments, and All India Inter-University Tournaments.

As a matter of record, our University sportspersons have won national and international medals and colors. They have earned high positions at World University Games, Asian Games, Commonwealth Games, and the Olympic



Games. Several of them have been decorated with Arjuna and Bhim Awards. The spectacular performance of the trio Geeta, Babita, and Suman in the Commonwealth Games 2010 is a rare success story of our sportspersons to every one's envy. All this has been due largely to the university always having been the forerunner in providing the best possible facilities and attractive stipends / scholarships to promote a dynamic sports culture.

### **Students Welfare Activities, etc.**

The University has developed into an active hub even in literary-cultural and extra-curricular activities. The Students' and Youth Welfare Office, housed in a modern and highly utilitarian new building called "Students Activity Centre", has served as a real power-house of all such activities. To inject time-bound delivery of various activities, the Youth Welfare Office releases a Calendar of Events every year, detailing a schedule of literary and cultural activities, including camps/courses/adventure visits, to be undertaken during the course of the year. Zonal and Inter-Zonal Youth Festivals, Technical and Edu-Fests, Students' Empowerment Workshops, Personality Development Camps, and hoard of other useful youth activities aiming at blowing the best out of young students, are all an integral part of the cultural life of the students.

The majestic Tagore Auditorium, which deserves to be visited by all to be seen as being one of the bests in the entire country, is the event centre for all literary-cultural activities in the University. The All India Inter-University Youth Festival RAJAT UTSAV- 2010, a state-level Drama Festival, Folk Dance Festivals, and other important cultural events were hosted in the Tagore Auditorium. A new addition in the cultural event profile of the University is the establishment of a FILM CLUB on the campus.

The Students' and Youth Welfare Office has also taken up a number of other unique projects to facilitate holistic personality development of students and broadening their horizons. These include a Cultural Project on Video-Graphic documentation of Rituals, Traditions, and Folk Festivals of Haryana (ARISHTA), and SAMARTH which is much admired as a project for empowerment of the physically challenged students. The University started Youth Red Cross in 2010-11 to initiate youth into various common health-related problems and other social awareness activities. It has since been extended to all the affiliated colleges for a mass movement among the students.

The Youth Welfare Office also facilitates holding of Blood Donation Camps, Eye Donation Camps, and engages itself in other useful activities in social cause. The National Service Scheme (NSS) Unit, the Red Cross Club, and the Yoga Club also function under the aegis of the Youth Welfare Department, all aiming at promoting the cause of social and community concerns, environmental health, social awareness against dreaded diseases, and nation building. To ignite moral and spiritual thinking among the students, weekly moral lessons are imparted and Yajnas conducted in the Ch. Matu Ram Yajnishala which stands unique activity point on the campus.

## **Residential and Other Common Use Accommodation**

The University campus has adequate residential accommodation (550 units) available both for teaching and non-teaching staff. A separate compound with a spacious Community Centre building raised thereon has come to emerge a high activity place in catering to the personal, social, community, and cultural needs of the campus residents. An aesthetically attractive Teacher's Club is another feather in the University's cap. There is a Faculty House on the campus to serve the boarding and lodging needs of the visitors to the University and its official guests. Expansion of Faculty House has further improved living quality of guests on the campus.

## **Other Facilities**

The University Health Centre takes care of the health concerns of the students and employees, while the spacious Campus School meets the on-campus schooling needs of the wards of University community. The University owns and runs a Printing Press which, besides doing the University's own printing work, also extends a helping hand to sister universities and other academic institutions in exchange of a pie. There are two banks (State Bank of India and Haryana Cooperative Bank) on the campus. The campus also has several cafeterias located at strategic points to cater to the taste-buds and dining needs of the campus residents in general and the students in particular.

## **Special Lecture Series**

The University organizes the enlightening Ch. Ranbir Singh Memorial Lecture every year. This lecture series was started in 2009. Union Finance Minister Shri Pranab Mukherjee and eminent scholar Dr. Karan Singh have been the Key Speakers in this lecture series in the years 2009 and 2010, respectively. Dr. Sarup Singh Memorial Lecture is organized by the Department of English and Foreign Languages every year. Eminent scholars are invited to speak in this lecture series.

## **Special Initiatives**

The University also does its best to provide all possible help to the students for career counseling, personality development, skill upgradation, and seeking appropriate work placements. It has a (University) Centre for Competitive Examinations (UCCE) which offers coaching and guidance to the students for exhibiting winning performance in the various competitive examinations. Under the aegis of this Centre, SC/ST and BC category students get all coaching and counselling free of cost.

In 2008, the University established the Youth Centre for Skill Development for Defence Services to offer guidance, counseling, and coaching to students looking for careers in different wings of Defence Forces. This was done in realization of the fact that the university's jurisdictional area is known from times immemorial as a rich reservoir of best talents for the nation's armed forces. And, it is a matter of pride that as many as 51 students who received training from this Centre have already got entry in the Armed and other Para Military Forces on officer ranks.

## Unique Initiatives

Following its distinct MISSION and VISION, the University is marching ahead on the path of progress particularly over the last 4-5 years. Its overall development during these years has been phenomenal. It is now engaged in preparing a VISION Document to determine its growth track into the distant future. We are at the final stage of launching an ambitious and most prestigious **Institute of Economic and Social Change**, meant for undertaking research in the entire gamut of inter-disciplinary development studies in all areas of societal and national concern. It is further envisioned that this institute would also design and deliver appropriate training modules to middle-level Govt. officials working in the developmental departments of the State, as also for those manning the Panchayati Raj Institutions at different levels. To facilitate knowledge growth and skill upgradation of the students, and to meaningfully address common community concerns and other emerging social issues, a **Community Radio Station (CRS)** and a **Modern TV Studio** are also in pipeline for early commissioning. These two facilities will also work as the backbone of the new skill-based academic programmes we have decided to offer in the emerging area of Electronic Media as a part of modernizing the Department of Journalism and Mass Communication.

## Clean and Green Campus

The campus was a barren land until 3-4 years ago. The campus (more than 600-acre) land area is highly saline whereon it is impossible to grow any kind of ornamental trees and plants, barring a select few specific to such land. The sub-soil water is also extremely brackish. Yet a robust attempt has been made for reclamation of soil by way of replacing the same with Tibba sand. This has enabled planting of a variety of 24000 trees during the last three years and about 50000 during the last five years. With the result, we now have become a clean, green, and eco-friendly campus with trees and plants coming up all around despite discouraging survival rate.

## Caring State Government

The University maintains harmonious and healthy relationship with the State Government. Apart from providing handsome grant on the Plan and Non-Plan account, the Govt. extends to the university special purpose grant as well. For example, a special grant of Rs. 10 crore was made available during 2008-2009 for upgradation of science laboratories and purchase of specialized research equipments. On its part, the university has never lagged behind in coming up to the expectations of the State Govt. on any special occasion.

Only very recently, the Govt. assigned the task of holding state level Science Conclave-2011 to the University. The University successfully organized this gala event in the true spirit of its basic objective of popularizing the teaching-learning of science subjects among school students. The former Indian President, His Excellency Dr. A.P.J. Abdul Kalam, delivered an inspiring inaugural address on the occasion. Another such important 5-day Science Camp called INSPIRE, sponsored by the Department of Science & Technology, Govt. of India, was held

on the campus in April 2012. Dr. K. Kasturirangan, Hon'ble member of the Planning Commission, inaugurated the meet to ignite interest of young minds towards science.

### **University: Home to IIM Rohtak**

Presently, the University campus is home to the premier Indian Institute of Management (IIM), Rohtak on its campus. The University has extended all the needed infrastructure and other facilities to them so that the institute is able to run its operations with ease till they shift to their own campus coming up closely. This has helped synergetic growth to the best advantage of both, University as well as the IIM.

### **Media Recognition**

The upward strides made by Maharshi Dayanand University have been recognized and appreciated by the print media too. The prestigious career magazine CAREERS 360 in its annual issue has included the University's Directorate of Distance Education (DDE) in the First-Fifteen DDE institutions in the country. Likewise, the popular weekly magazine SUNDAY INDIAN has included the M.D. University in the Top-Fifteen state universities of the country.

### **In Summing Up**

The University is fast marching ahead with determined efforts to achieve academic excellence of reckoning. Well-qualified faculty with adequate experience and superior academic credentials, hard working members of the staff, congenial academic and administrative environ, transparent, dynamic, responsive, and responsible administrative set-up, strategic academic and research linkages at national and international level, Wi-Fi CAMPUS, state-of-the-art library services, a time-tested tradition of timely holding examinations and time-bound result declaration, pulsating campus life, ample career growth opportunities for students, and harmonious relationship among all stakeholders are its essential hallmarks. It is truly growing to be a Centre of Academic Excellence, cherishing a will to deliver quality education, with decisive focus on upliftment of women and rural students, and a sense of commitment to contribute its mite to social, community, and national cause.

To sum up, the M.D. University has a *rich past, excellent present, and immensely promising future*, which combines the best of traditional and modern educational endeavors, and is indeed all set to empower the students in their desire and drive to be the best and the most relevant ahead of times. Proximity to Delhi is source of great strength to the university in all matters of performance.

**(Achievements Made After Last (Re)accreditation follows)**

## **II Achievements Made After the Last (Re)accreditation - a brief**

Hereunder we list the specific achievements made by the University on each of the seven (7) Evaluative Criteria after being (re)assessed by the Peer Team in April 2010. A careful reading of these will make the task of grasping the details given in the Self Study Report (SSR) more pointed and focused.

### **CURRICULAR ASPECTS**

- Thirteen (13) new P.G. and three (3) Diploma courses of study have been added to the Programme Profile of the University during the last two years. The new job-oriented courses launched include M.Sc. in Food Technology, Environmental Biotechnology, Microbial Biotechnology, Bioinformatics, Agriculture Biotechnology, Genomics, and Forensic Science. M.Sc. in Clinical Biochemistry and Electronic Media are the two others in pipeline for launch in July 2013.
- Four new departments, namely, Food Technology, Centre for Medical Biotechnology, Centre for Bioinformatics, and Library and Information Science have been established.
- The curricula have been (re)designed to provide for (more) electives and non-core options both in the UG and PG programmes. There are now 27 programmes with elective options, while six (6) others are being offered in modular form.
- The Semester System has been adopted for all courses except B.P.Ed. To provide for continuous evaluation, 20 per cent marks have been assigned to internal assessment based on performance in term papers, classroom presentations, semester-end examinations, and class attendance.
- To begin with, Choice-Based Credit System has been introduced in all courses in the faculty of Life Sciences. One B.Tech. course in the engineering stream has also been brought under this scheme. Plans are afoot to further extend it to other courses.
- Pre-Ph.D. course work has been introduced in all the subjects. The course curricula for the same has been decided to cover research methodology and computer applications as compulsory inputs in order to inject the needed amount of skill learning needed for research.
- The process of taking feedback from stakeholders like the alumni, students, and parents has been formalized to improve teaching-learning activities in the university, including its governance systems.
- The Centre for Biotechnology has started collaborative research programmes with Madurai Kamraj University and NIMR, New Delhi. MoU has been signed with the University of Health Sciences located next door for sharing of teaching and research experiences.



- Taking cue from the advice of the Peer Team, working of **Internal Quality Assurance Cell (IQAC)** has been reinforced to make it a more effective nodal agency for quality education delivery, enhancement and sustenance.
- The **Youth Centre for Skill Development for All Services** delivers highly useful training and counselling modules for success in competitive examinations, particularly for those intending to gain an officer-level entry into the Defence and other services. As many as 51 students have made to army and allied forces at officer level after undergoing training in this Centre.

### **TEACHING, LEARNING, AND EVALUATION**

- About **160 new appointments** have been made in different teaching departments of the university since the last accreditation. The process of making appointments on teaching posts that have fallen vacant since then is going on at a fast pace, with advertisements already issued and/or screening of applications taken in hand. Faculty promotions under the new Career Advancement Scheme (CAS) are also taking place, with no backlog of such promotions under the earlier promotion scheme.
- The Department of Biotechnology (DBT), Govt. of India has approved a special package of financial assistance to the Centre for Medical Biotechnology. The first installment of Rs.1.5 crore grant has already been received. Admissions to the course are required to be made through National Entrance Test conducted by J.N.U. on behalf of Govt. of India. Each admitted student is paid scholarship of Rs.5,000/- per month.
- All the departments have been provided with ICT-enabled equipments such as **LCD Projectors**, Interactive Boards, PC/Laptops, etc. for effective classroom delivery. All the teachers have been provided with PCs/Laptops with internet connectivity on their seats. Two smart classrooms with e-podiums, electronic panels, and sound systems have been established in the Department of Library and Information Science.
- The Department of Food Technology has received a special grant of Rs 72.00 lac from the Ministry of Food Processing for upgrading and strengthening its teaching and research facilities.
- A special grant of Rs.1000 lac was provided by the State Govt. for strengthening teaching and research in all the Life Sciences and Pharmacy departments.
- Department of Environmental Science has installed Sky Radiometer for the measurement of direct solar radiation for aerosol property and distribution. A Real Time Air Monitoring Network Station has been established on the campus generate data on air quality in the region. The data thus becoming available will give new direction to the study of air pollution and management.

- A special paper on improvement of communication skills has been introduced in almost all the subjects. The Department of English has been given a special grant of Rs. 39.00 lac for establishing a modern **English Language Lab**.
- Regular seminars have been made a part of the curricula in almost all PG courses. Dissertation/Project Work has been introduced in the final semester of each 2-year M.Sc. course under the faculty of Life Sciences. Project Work is a part of regular course curricula in all Management and Engineering courses too.

Holding of induction and orientation programmes in the beginning of the new academic session has become a more regular exercise in almost all the departments. It greatly helps in acclimatizing the freshers to the new teaching-learning environment at the university level.

### **RESEARCH, CONSULTANCY, AND EXTENSION**

- Eleven (11) departments have received special funding under the UGC-sponsored Special Assistance Programme (SAP). Six (6) others have been approved by DST for funding under their FIST programme. All the six FIST and two SAP programmes have come to be added after the last accreditation.
- A special grant of Rs.65 lac has been received from UGC for upgrading infrastructure facilities in the departments of Statistics, Biotechnology, and Pharmaceutical Sciences, including Women Study Centre.
- The University also provides seed money for research to teachers, especially the beginners, out of Dr. Radhakrishnan Foundation Fund for carrying out minor research projects as a step towards inducing them into research.
- Over 385 Ph.D. degrees have been awarded, and 345 research students got registered after the last accreditation held in April 2010.
- The amount of funds of research projects (both minor and major) has increased from Rs. 1.7 crore to Rs. 14.11 crore during the last about two years. Importantly, 91 teachers are working on 96 Major Research Projects sanctioned to them by the various funding agencies as compared to only 22 such projects at the time of last accreditation.
- The '**Life Science Builders Grant**', the prestigious grant given by the Department of Biotechnology, Govt. of India, has been approved for Life Sciences under which a grant of Rs. 2.81 crore has been received.
- A Consultancy & IPR Cell has been set up to help filing patents. Industry Liaison Cell has been established to facilitate interface between industry and academia. A Corporate Resource Centre too has been established.
- A new journal, '**Journal of People and Society**' has been launched by the Department of Public Administration,

- The number of research publications has increased to 921 in International Journals and 2016 in National Journals compared to 1368 total publications before the last accreditation.

Seventy nine (79) conferences/seminars/workshops have been organized by various teaching departments since the last accreditation. An international conference on Mathematical Sciences is also scheduled to be held in November 2012 in which about 300 delegates are expected to attend it. In addition, one more National Conference is going to be held by Department of Chemistry in March 2013 under the aegis of Indian Society of Analytical Chemists. The number of publications therein has increased to 1122 at present compared to 750 about two years before.

- A special grant of Rs.10 crore has been sanctioned by the World Bank for the University Institute of Engineering and Technology to enable it to strengthen and upgrade its teaching, workshops, and research lab facilities.
- The Institute of Tourism and Hotel Management has been allocated by the Ministry of Tourism a special grant of Rs. 200 lac for improving training and skill-learning facilities for courses in Hotel Management.
- The Centre for Bioinformatics has been recognised by the DBT, Govt. of India, as its Sub-Centre to support teaching and research not only in the Life Sciences faculty of the University, but also of the neighbouring universities/institutes.
- Two new M.Sc. Programmes, namely, M.Sc. (Forensic Science) and M.Sc. (Environment Biotechnology) offered by the departments of Genetics and Environment Science, respectively have been recognized by the UGC as Innovative Programmes for special funding.
- Three (3) Professor Emeritus, two (2) Adjunct Faculty, and one (1) Scholar-in-Residence have joined the University since last accreditation.
- A ‘Science Conclave’ was held in December 2011 in which 2500 young minds from schools were invited to participate and interact with well-known scientists so as to get inspiration to be drawn into the learning of science subjects. The Conclave was inaugurated by His Excellency Dr. A.P.J. Abdul Kalam, former President of India.

Another function of similar nature and with the same purpose, called INSPIRE (sponsored by DBT, Govt. of India), was held in April 2012. It was inaugurated by Dr. K. Kasturirangan, Member Planning Commission.

- The Women Study Centre has been established to work on such issues as gender sensitization, legal literacy, declining sex ratio, female foeticide, dowry, honour killing, etc.
- Legal Aid Clinic and Consumer Protection Cell of the Faculty of Law have organized 10 Legal Literacy Camps for rural people. Academic consultancy is being provided to the Maharshi Dayanand Gurukul, New York by the Department of Sanskrit.

## INFRASTRUCTURE AND LEARNING RESOURCES

- Biosciences Block, Biotechnology Block, UIET Block, Pharmacy Block, Tagore Auditorium, Students Activity Center, and Yajnashalla are some prestigious new buildings commissioned during the last four years to provide needed space for academic and students' extra and co-curricular activities.
  - Space in the Faculty House has been doubled and a commodious beautiful building for the Faculty Club has been dedicated to the university community.
  - The construction of Mathematics Block, Psychology Block, Mini Auditorium, Examination Block, New Administrative Block, and a New Animal house is going to complete any time soon.
  - Internet bandwidth has since been enhanced from 12 Mbps to 1Gbps.
  - A **Call Centre** with more than 10 helplines and an **Information Desk** have been established for delivering all the desired help to the students and other stakeholders.
  - The design, development, and launching of the new website incorporating many novel features under new URL <[www.mdurohtak.ac.in](http://www.mdurohtak.ac.in)> in December, 2010 is yet another significant step taken ahead since then.
  - Internet Lab in the Library has been strengthened by replacing all the 30 old PCs with the latest ones and addition of 50 more to meet the academic and computing requirements of the teachers, research scholars, and other users.
  - All the main university offices, classrooms, teachers' rooms, laboratories, and satellite libraries have been provided network points. Internet connectivity has also been provided to Research Scholars hostel. Its scope is being further extended to all other hostels.
  - All library operations have been automated. Multimedia Library with 20 PCs having Internet facilities has been established. Videoconferencing facility too has been put in place to enhance interaction among common interest groups of the teachers and students anywhere on the globe.
  - Information kiosks have been installed in the main Library and its five offshoots (Law, IMSAR, IHTM, UIET, and Mathematics Libraries) for OPAC search. Six hundred old reading chairs have been replaced and all Reading Halls made air-conditioned.
  - The number of e-journals has increased from 4500 to 6049 since the last visit of the Peer Team.
- Five new IP - based databases – SCOPUS, Emerald Management Plus, Manupatra, DELNET IPC, and MLA International Bibliography, have been added since 2011.

- Budget for strengthening of learning resources has grown exponentially from a mere Rs. 54.00 lac in 2006-07 to Rs. 365 lac in 2012-13 to meet the evergrowing informational needs of the students and teachers.
- As a goodwill gesture, the university has spared a teaching block, a hostel, and 10 residential units for the Indian Institute of Management, Rohtak (IIMR). The library services, faculty house, campus network, and other facilities too have been offered for use by its students and teachers.

### STUDENTS' SUPPORT AND PROGRESSION

- Since the last accreditation, 310 students have qualified NET/JRF/SLET, 26 have qualified TOEFL/IELTS, 3 have qualified IAS, 51 have been selected in defence services, 54 have joined judicial services, and 103 have made to other services. In addition, 343 have entered in Central Services and 220 in State Services.
- University has now in place a well-defined formal institutional mechanism for tracking students' progression to higher studies and employment through University Alumni Association and other channels.
- Fifteen (15) odd Information Brochures, being brought out separately earlier, have since been merged into a single beautifully done up document running into 110 pages. It has significantly cut down costs and improved convenience.
- Award for the best Ph.D. thesis has been instituted by the University. A scholar each having a research paper with impact factor of five (5) is given certificate of appreciation alongwith cash award of Rs.5100/-. A scholar having the highest impact factor (atleast five) in the entire university is given a Gold Medal and a cash award of Rs. 11,000/- . Similarly, a scholar having the second highest impact factor in the entire university is awarded a Silver Medal with a cash prize of Rs.5100/-.

Each topper of first year examination of each course is given cash incentive. Studentship is awarded by the Centre for Bioinformatics.

- Career Counselling and Placement Cell has been further strengthened as a more effective unit for seeking and arranging jobs for the students, particularly those pursuing professional programmes. A **Training and Placement Office** has also been created for the students of the University Institute of Engineering and Technology.

Business Incubation Centre has been set up in IMSAR for imparting training in entrepreneurship. Corporate Resource Centre and University -Industry Liaison Cell offer counselling, guidance, and other help to the students.

- A Cultural and Literary Activity Calendar, giving detailed schedule of holding different participative events, is brought out in the beginning of every academic session.



A Sports Activity Calendar is also brought out each year well in advance, detailing the schedule of various sports activities to be held during the course of the year.

- Youth festivals, adventure sports activities, personality development, and youth leadership training camps are organized regularly by the Students Welfare Office.

The participants in adventure camps, youth leadership training camps, and those going on official tours and excursions, etc., are insured for Rs. 1.00 lac each to cover the risk of physical injuries or accidental death.

- Ten (10) more hostels (five each for boys and girls) with an intake of 240 each have been commissioned and occupied. **Mini Health Centre** and **Cyber Café** have started working in the girls' hostel complex.
- Citizen Charter has been prepared and displayed at important locations on the campus, including the university website. The University has also established a **Grievance Redressal Cell** for students, teachers, and non-teaching staff. **Grievance Boxes** have been hinged at a number of strategic points to facilitate lodging of grievance complaints.

Effective anti-ragging measures have been enforced, with no ragging event ever reported during the last few years. As per Hon'ble Supreme Court orders, steps required to prevent harassment of women at work places have also been institutionalized.

- Recently, a **Film Club** has been started by the Students Welfare Office with all students of the university teaching departments/institutes enrolled as its members. It runs six shows per month (2 each for boys, the girls, and the staff).

A Hobby Club has also been set up on **no profit - no loss** basis wherein students learn to play on instruments like guitar, harmonium, rhythm (Dholak and Tabla), and do classical and folk dance, etc.

- Of late, **Red Cross Unit** has been launched on the campus, both for boys and girls, separately. Apart from engaging the students in other socially-oriented health activities, it is particularly devoted to the cause of spreading awareness against dreaded diseases like HIV/AIDS, Cancer, etc. It has also started a **Red Ribbon Club**.

## ORGANIZATION AND MANAGEMENT

- E-Governance involving computerisation of all administrative and service functions of the university, such as admissions, examinations, financial matters, administrative functions, stores inventory management, hostels affairs, etc., is at an advanced stage of implementation.
- More than 160 teaching posts have been filled up during the last two years, while advertisements for about 100 posts have been floated for vacant posts. Likewise, more than 200 posts of non-teaching staff have also been filled up.

- Duly laid down performance appraisal systems are observed for the promotion of both teaching and non-teaching staff. The one being followed for teachers and the selection procedure in vogue for them are strictly in keeping with the latest UGC guidelines.
- Academic and Administrative **Audit System**, introduced during the last academic session, entails audit of each teaching department and administrative unit by a committee consisting of the Dean of the respective Faculty (Registrar in case of administrative units) and two outside experts. The recommendations of the Committee, after approval of the IQAC, Governing Council, are religiously implemented.
- Introduction of ‘Online Campus’ in the Directorate of Distance Education for end-to-end solutions to the day-to-day problems of students – a first of its kind unique system adopted by any university in the country – is a big leap forward towards customer delight. Our distance education working system has since been fully computerised.
- Among its very wide course profile, the recently offered new programme in Financial Markets, both at the UG and PG levels, in collaboration with the National Stock Exchange (NSE), is a distinct feather in its cap.
- The University has put its **Accounts Code** in position, duly approved by the Executive Council in its meeting held on 09.06.2011. It is a compendium of rules on all financial and other related matters, with a large number of standardized forms for various purposes.
- The University always keeps in mind the humble financial background of its student community while fixing tuition, library, laboratory, and other fees. The general level of the fees charged remains quite modest. It is only recently that the tuition fees for various programmes have been cut-down and rationalized.
- The decision to set up an **Administrative Staff College** (ASC) will go a long way to meet skill upgradation needs of the secretarial staff of the university, including those of its affiliated colleges/institutes.

In establishing this training-unit, university has introduced a new practice of imparting on-the-job training to its newly recruited staff to expose them to the basic office procedures before they are assigned any regular official task.

Existing employees, passing a formal Computer Skill Proficiency Test, have been made eligible for a raise in salary by one additional increment.

**(Vision Thoughts for 2020 follow)**

## VISION THOUGHTS FOR 2020

For its location in Rohtak town, the University falls in the NCR Region. The travel time to Delhi will greatly reduce as the existing Delhi-Rohtak road shortly opens into a 6-lane highway. These two factors alone offer enormous opportunities to the University to undergo significant transformation in all respects.

In the light of the above, it will not be unrealistic to expect campus enrolment to swell in the next 10-years to atleast 15000, against about 8000 at present. The various physical facilities which may look to be overgrown at present will, thus, have to expand accordingly. Besides the need to suitably modernize and further expand the existing academic programmes, new ones will have to be added in keeping with the emerging needs of time.

### 1. On Physical Facilities

Campus land area being highly saline and water extremely brackish, with ground water level being very high, appropriate strategies will have to be chalked out and implemented to reduce the damages that these natural physical features cause to all types of physical facilities, particularly the buildings. Corrective steps when taken will substantially cut down costs on maintenance and upkeep of roads, buildings, playgrounds, plantations, etc.

Hostel accommodation for students will need to be enhanced by atleast 2000 additional seats. This will require construction of atleast 5-6 more hostels. More residential houses for faculty will also have to be added.

With very limited scope of expansion of the existing academic buildings, new ones will have to be raised, more likely on comparatively distant locations in the campus, to accommodate enlarged enrolment in the existing and new courses.

Notably, all this physical growth is bound to take the campus growth southward where land development costs will be higher. The necessity to widen some of the existing roads and providing new parking lots will make the plans more expensive, if not prohibitive.

Replacement of conventional electric power with solar energy will have to be resorted to, atleast for lighting and running of fans, to answer the call of environmental sustenance.

### 2. On Academic Programmes

The Faculty of Life Sciences is the strength of the University at present, particularly in terms of the wide variety of useful courses that are being offered in almost all the newly emerging areas. Its research performance is also very impressive with all the potential to do much better in future. In the next 10-year time, the University should justifiably strive to see that the Faculty of Life Sciences grows into a real **Centre of Excellence**.

The new areas to be added may include systems Biology, Clinical Biochemistry, Computational Biology, Biophysics, Paramedical Science, and Public Health. Collaborative efforts with the Health Science University, our next door neighbour,

may help make this dream a reality. Our proximity and easy access to Delhi will always serve as a distinct advantage to establish a niche in these new academic areas.

Among physical sciences, we already have taken a plunge into Mathematics, the mother of all sciences, growing into a larger frame of **Mathematical Sciences**, with Computer Science and Engineering simultaneously coming up fast. Given our strengths, we would also look forward to Physics, Chemistry and other physical sciences by digressing into more promising areas such as materials sciences, earth sciences, and astrophysics.

The University, having established a Community Radio and a TV Studio, is already in the process of drawing a roadmap to launch new high-profile Electronic Media courses, which have a great potential to offer lucrative job opportunities to the students. There will be a need to take all such courses farther with zeal and determination. Actuarial Sciences and Hospital Management will too gravitate serious attention for making a decisive beginning.

The Institute of Social and Economic Change has traversed a long journey to come into being. It is a dream project of the University as it is envisioned to devote itself to grassroot research on all important issues of social and economic concern that inhibit modernization in growth.

The extent to which the University succeeds in actualising the above vision thoughts will, however, greatly depend on Govt. support, which, fortunately, has always been forthcoming on mere asking. The ability of the University to continue generating surplus funds through its own efforts will also determine how far the University will be able to achieve what it finally plans.

## PROFILE OF THE INSTITUTION



## B. Profile of the University

### 1. Name and Address of the University:

Name:	MAHARSHI DAYANAND UNIVERSITY	
Address:		
City: ROHTAK	Pin: 124001	State: HARYANA
Website:	www.mdurohtak.ac.in	

### 2. For communication

#### Name & Designation

	Area/ STD Code	Tele. Number	Mobile Number (s)	Fax	E-mail ID
<b>Vice-Chancellor</b> Prof. R.P. Hooda	<b>01262</b>	<b>274327</b>	<b>9729038020</b>	<b>274133</b>	<b><u>vcmdu@hotmail.com</u></b>
<b>Registrar</b> Dr. S.P. Vats	<b>01262</b>	<b>274640</b>	<b>9896942820</b>	<b>274640</b>	<b><u>registrarmdu@gmail.com</u></b>
Steering Committee <b>Co-ordinator</b> Prof. S.K. Gakhar	<b>01262</b>	<b>393101</b>	<b>9896014951</b>	<b>274640</b>	<b><u>surengak@gmail.com</u></b>
<b>Members:</b> Prof. Prem Singh Prof. K.K. Verma Prof. S.P. Khatkar Prof. Nasib Singh Prof. Arun Nanda Prof. A.S. Mann Prof. Radhey Shyam Dr. Pardeep Ahlawat Dr. Anil Ohlan Dr. Nar Singh Chauhan					



3. Status of the University:

State University

State Private University

Central University

University under Section 3 of UGC (Deemed University)

Institution of National Importance

Any other (please specify)

4. Type of University:

Unitary

Affiliating

5. Source of funding:

Central Government

State Government

Self-financing

Any other (please specify)

6. a. Date of establishment of the university: 19/04/1976

b. Prior to the establishment of the university, was it a/an

i. PG Centre Yes  No

ii. Affiliated College Yes  No

iii. Constituent College Yes  No

iv. Autonomous College Yes  No

v. Any other (please specify) .....

If yes, give the date of establishment **14/07/1966** (dd/mm/yyyy)

7. Date of recognition as a university by UGC or any other national agency:

Under Section	dd	mm	yyyy	Remarks
i. 2f of UGC*	23	02	1983	
ii. 12B of UGC *	23	02	1983	
iii. 3 of UGC #				
iv. Any other ^ (specify)				

\* Enclose certificate of recognition. **(Annexure-I)**

# Enclose notification of MHRD and UGC for all courses / programmes / campus/campuses.

^ Enclose certificate of recognition by any other national agency/agencies, if any.

8. Has the university been recognized

a. By UGC as a University with Potential for Excellence?

Yes  No

If yes, date of recognition : ..... (dd/mm/yyyy)

b. For its performance by any other governmental agency?

Yes  No

If yes, Name of the agency: **Department of Biotechnology, Govt. of India**

Date of recognition: **13.3.12 vide letter No. BT/PR 4329/INF/22/144/2011 for DBT-MDU, interdisciplinary Life Sciences Programme for Advance Research and Education.**

9. Does the university have off-campus centres?

Yes  No

**1. Indira Gandhi P.G. Regional Centre, Mirpur (Rewari)**

If yes, date of establishment: 08/08/1988 (dd/mm/yyyy)

Date of recognition : 09/12/1988 (dd/mm/yyyy)

**2. University Institute of law and Management Studies, Gurgaon**

Date of establishment : 30/08/2000 (dd/mm/yyyy)

Date of recognition: 14/11/2000 (dd/mm/yyyy)

10. Does the university have off-shore campuses?

Yes  No

If yes, date of establishment : ..... (dd/mm/yyyy)

date of recognition : ..... (dd/mm/yyyy)

11. Location of the campus and area:

	Location *	Campus area in acres	Built up area in sq. mts.
i. Main campus area	<b>M.D.U. Rohtak</b>	<b>697 Acres</b>	350168 sq. mts.
ii. Other campuses in the country	<b>UILMS Gurgaon*</b>	<b>5.345 Acres</b>	3351 sq. mts.
	<b>IGPRC Rewari**</b>	<b>100 Acres</b>	27105 sq. mts.
iii. Campuses abroad			

(\* Urban, Semi-Urban, \*\*Rural, Tribal, Hilly Area, Any other (please specify)

If the university has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

12. Provide information on the following: In case of multi-campus University, please provide campus-wise information.

- Auditorium/seminar complex with infrastructural facilities **Yes**
- Sports facilities
  - \* Playground **Yes**
  - \* swimming pool **Yes**
  - \* gymnasium **Yes**
  - \* Any other (please specify)  
**University Health Centre, University Press, Students' Activity Centre, Campus School, Teachers' Club, Faculty House, Engineering Cell, Rose Garden, Green House, Animal House, Water Treatment Plant, Market, Banks.**
- Hostel **Yes**
  - \* Boys' hostel **Yes**
    - i. Number of hostels **08**
    - ii. Number of inmates **1800**
    - iii. Facilities: **Common room with LCD, Newspapers and**

**Magazines, Co-operative Mess, Inverter facility in mess, Internet, Intercom, Both rooms Water Coolers with water purifiers, Geysers for hot water, Indoor sports: Chess, Carrum Board, Volley Ball (Table Tennis and Badminton) fumigation and pesticide spray**

- \* Girls' hostel Yes
  - i. Number of hostels 08
  - ii. Number of inmates 2000
  - iii. Facilities : **Internet, Cable, Newspaper & Magazines, Reading Rooms, Geyser, Gas, Water Coolers with water purifiers, Canteen, Inverter facility in Mess, Common room, bath rooms, Guest Room and Galleries, First Aid, Visit of the Lady Doctor, Vita Milk Booth, Public Address System, Clothes Dryer, Sports Facilities (Table Tennis, Carom, Chess and Badminton) Fumigation and Pesticide Spray.**

- \* Working women's hostel
  - i. Number of hostels 01
  - ii. Number of inmates 05
  - iii. Facilities: **Internet, Cable, Newspaper & Magazines, Reading Rooms, Water-Purifier in the Mess, Geyser, Gas, Water Coolers, Canteen, Inverter facility in Mess, Common room, bath rooms, Guest Room and Galleries, First Aid, Visit of the Lady Doctor, Vita Milk Booth, Public Address System, Clothes Dryer, Sports Facilities like Table Tennis, Carom, Chess and Badminton, Fumigation and Pesticide Spray.**

- Residential facilities for faculty and non-teaching Yes
- Cafeteria Yes
- Health centre - Nature of facilities available - inpatient, outpatient,

ambulance, emergency care facility, etc.

Yes

- Facilities like banking, post office, book shops, etc. **Yes, Banks, Bookshop,**

**Post office**

- Transport facilities to cater to the needs of the students and staff **Yes**

- Facilities for persons with disabilities **Yes**

- Animal house **Yes**

- Incinerator for laboratories **Under Process**

- Power house **Yes**

- Waste management facility **Yes**

13. Number of institutions affiliated to the university

Type of colleges	Total	Permanent	Temporary
Arts, Science and Commerce	96	66	30
Law	06	--	06
Medicine	--	--	--
Engineering	80	08 (out of 8, 6 are Autonomous /Deemed Universities)	72
Education	298	14	284
Management	34	--	30
Others (specify and provide details)	--	--	--

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University

Yes  No

Number

15. Furnish the following information:

Particulars	Number	Number of Students
a. University Departments Undergraduate Post graduate Research centres on the campus	38	2573 6009
b. Constituent colleges	02	1858
c. Affiliated colleges	519	239650
d. Colleges under 2(f)	--	--
e. Colleges under 2(f) and 12B	79	134082
f. NAAC accredited colleges	81	66173
g. Colleges with Potential for Excellence (UGC)	--	
h. Autonomous colleges	1 (5 autonomous college have got the status of deemed university)	
i. Colleges with Postgraduate Departments	135	67713
j. Colleges with Research Departments	--	
k. University recognized Research Institutes/Centres	--	

16. Does the university conform to the specification of Degrees as enlisted by the UGC?

Yes

No

If the university uses any other nomenclatures, please specify.



17. Academic programmes offered by the university departments at present, under the following categories: (Enclose the list of academic programmes offered) **Annexure-II**

Programmes	Number
UG	13
PG	62
Integrated Masters	09
M.Phil.	19
Ph.D.	38
Integrated Ph.D.	--
Certificate	02
Diploma	05
PG Diploma	03
Any other (please specify)	--
Total	150

18. Number of working days during the last academic year.

18

19. Number of teaching days during the past four academic years.

180
180
180
180

("Teaching days" means days on which classes were engaged. Examination days are not to be included)

20. Does the university have a department of Teacher Education?

Yes  No

If yes, Year of establishment ..... (dd/mm/yyyy)

NCTE recognition details (if applicable)

Notification No.: .....

Date: ..... (dd/mm/yyyy)

a. Is the department opting for assessment and accreditation separately?

Yes  No

21. Does the university have a teaching department of Physical Education?

Yes  No

If yes,

a. Year of establishment: **1992**

b. NCTE recognition details (if applicable)

Notification No.: .....

Date: ..... (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately?

Yes  No

22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered?

Yes  No

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.

23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

**No**

24. Number of positions in the university

Positions	Teaching faculty			Non-teaching staff	Technical staff
	Professor	Associate Professor	Assistant Professor		
Sanctioned by the UGC / University / State Government	<b>33</b>	<b>53</b>	<b>575</b>	<b>1589</b>	<b>226</b>
<i>Recruited</i>	<b>15</b>	<b>35</b>	<b>302</b>	<b>1168</b>	<b>172</b>
<i>Yet to recruit</i>	<b>18</b>	<b>18</b>	<b>73</b>	<b>416</b>	<b>56</b>
Number of persons working on contract basis	--	--	--	--	--

25. Qualifications of the teaching staff

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	58	25	62	54	43	43	285
M.Phil.	--	--	07	03	04	05	19
PG	--	--	01	03	19	16	39
Temporary teachers (S.F.S.)							
Ph.D.	03	--	06	01	09	05	24
M.Phil.	--	--	--	--	23	09	32
PG	--	--	--	--	14	06	20
Part-time teachers <b>NIL</b>							
Ph.D.							
M.Phil.							
PG							

26. Emeritus, Adjunct and Visiting Professors. **13**

	Emeritus	Adjunct	Visiting
Number	4	9	

27. Chairs instituted by the university:

	Chairs
School / Department	08

- i) Sir Chhotu Ram
- ii) Sant Kabir
- iii) Pt. Jawahar Lal
- iv) Ch. Ranbir Singh
- v) Maharshi Balmiki
- vi) B.R. Ambedkar
- vii) Suryakavi Lakhmi Chand
- viii) Maharshi Dayanand

28. Students enrolled in the university departments during the current academic year, with the following details:

Students	UG	PG	Integr ated Master s	M.Phil.	Ph.D.	Integr ated Ph.D.	D.Litt. / D.Sc.	Certi ficat e	Diplo ma	PG Diplo ma
	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F
From the state where the university is located	M 1948 F 510	M 1833 F 3029	M 1725 F 917	M 92 F 117	M 28 F 74	--	--	M 47 F 40	M 28 F --	M 19 F 40
From other states of India	--	M 60 F 25	--	--	--	--	--	--	--	--
NRI students	--	M 3 F 2	--	--	--	--	--	--	--	--
Foreign students	--	M 4 F 1	--	--	--	--	--	--	--	--
<b>Total</b>	<b>2458</b>	<b>4862</b>	<b>2642</b>	<b>209</b>	<b>102</b>	<b>--</b>	<b>--</b>	<b>87</b>	<b>28</b>	<b>59</b>

\*M-Male \*F-Female

29. 'Unit cost' of education  
(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component = **Rs. 2,50,700/-**

(b) excluding the salary component = **Rs. 1,61,335/-**

30. Academic Staff College                      **No**

- Year of establishment .....
- Number of programmes conducted (with duration)
  - \* UGC Orientation
  - \* UGC Refresher
  - \* University's own programmes

31. Does the university offer Distance Education Programmes (DEP)?

Yes  No

If yes, indicate the number of programmes offered.      **33**

Are they recognized by the Distance Education Council?      **Yes**

32. Does the university have a provision for external registration of students?

Yes  No

If yes, how many students avail of this provision annually?

33. Is the university applying for Accreditation or Re-Assessment? If Accreditation, name the cycle.

Accreditation:    Cycle 1        Cycle 2     Cycle 3        Cycle 4   

Re-Assessment:   

34. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1:    **18-20 Feb. 2003** Accreditation outcome/Result : **B++**

Cycle 2:    **27-29 April 2012** Accreditation outcome/Result : **B**

\* Kindly enclose copy of accreditation certificate(s) and peer team report(s)

35. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the University.

**Yes**

**Accredited Affiliated Colleges = 81**

**Accredited Autonomous College=01**

**Constituent Colleges = 02**

36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

IQAC                    **13.05.2003**    (dd/mm/yyyy)

AQAR                (i) **25.04.02012**    (dd/mm/yyyy)

(ii) ..... (dd/mm/yyyy)

37. Any other relevant data, the university would like to include (not exceeding one page).



UNIVERSITY GRANTS COMMISSION

SECRETARY

Bahadur Shah Zafar Marg  
New Delhi-110 002

No. F.5-4/74(CD/CP) Vol.IV

February 17, 1983  
23 FEB 1983

Dear Mrs. Aggarwal,

Kindly refer to your D.O. letter No. 45/1/82-EDU-I(6) dated the 30th December,1982 addressed Dr. (Mrs.) Madhuri R. Shah, Chairman, University Grants Commission regarding declaration of the Maharshi Dayanand University, Rohtak fit to receive central assistance.

The amended Act and Statutes of Maharshi Dayanand University have been examined and it is observed that these are generally on the lines of the recommendations of the Committee on Governance of Universities with minor modifications to suit the local needs. In view of the above the University Grants Commission has been pleased to declare the Maharshi Dayanand University, Rohtak fit to receive central assistance in terms of the rules framed under Section 12-A of the UGC Act, 1956.

With regards,

Yours sincerely

Sd/-  
( R.K. Chhabra )

Mrs. Kiran Aggarwal  
Commissioner & Secretary  
Education Department  
Government of Haryana  
Chandigarh

Copy to:

1. Shri Hardwari Lal, Vice-Chancellor, Maharshi Dayanand, Rohtak (Haryana) with reference to his D.O. letter No. PS/VS/MDU/82/452 dated 18.8.82.
2. All Officers/Sections in the UGC

**LIST OF ACADEMIC PROGRAMMES OFFERED BY  
MAHARSHI DAYANAND UNIVERSITY, ROHTAK**

**CERTIFICATE COURSES (FULL TIME)**

1. Certificate course in French
2. Certificate course in Spanish

**DIPLOMA COURSES (FULL TIME)**

1. Diploma in French (1-Year)
2. Diploma in Food & Beverages Service Management (1-Year)
3. Diploma in House Keeping Operation Management (1-Year)
4. Diploma in Front Office Operation Management (1-Year)
5. Diploma in Food & Beverage Production Management (1-Year)

**U.G. COURSES (FULL TIME)**

1. B.P.Ed
2. B.Tech. (Electronics & Communication)
3. B.Tech. (Computer Science)
4. B.Tech. (Mechanical)
5. B.Tech. (Bio-Tech.)
6. B.Tech. (Civil)
7. B.Tech. (Electrical)
8. B. Pharma.
9. LL.B. 3-Year (Morning)
10. LL.B. 3-Year (Evening)
11. LL.B. 5- Year (Hons)
12. Bachelor of Tourism Management
13. Bachelor of Hotel Management

**P.G.DIPLOMA COURSES (FULL TIME)**

1. Post-graduate Diploma in Guidance & Counseling (1-Year)
2. Post-graduate Diploma in Translation (Hindi) (1-Year)
3. P.G. Diploma in Psychology in Organizations (1-Year)

## **P.G.COURSES (FULL TIME)**

1. M.A. (Defence Studies)
2. M.A. (Economics)
3. M.A. (Education)
4. M.A. (English)
5. M.A. (Fine Arts)
6. M.A. (Geography)
7. M.A.(Population Studies)
8. M.A. (Hindi)
9. M.A. (Journalism & Mass Communication)
10. M.A. (Music-Vocal)
11. M.A. (Music Instrumental)
12. M.A. (Political Science)
13. M.A. (Psychology)
14. M.A. (Public Administration)
15. M.A. (Sanskrit)
16. M.A. (Sociology)
17. M.A. (History)
18. M.Com
19. Master in Retail Management
20. M.Pharma (Industrial Pharmacy)
21. M.Pharma (Drug Regulatory Affairs)
22. M.Pharma (Pharmaceutical Chemistry)
23. M.Pharma (Pharmacognosy)
24. M.Pharma (Pharmacology)
25. M.Sc. (Bio-Chemistry)
26. M.Sc. (Biotechnology)
27. M.Sc. (Botany)
28. M.Sc. (Chemistry)
29. M.Sc. (Environmental Science )
30. M.Sc. (Genetics )
31. M.Sc. (Genomics)
32. M.Sc. (Math with Computer Science)
33. M.Sc. (Statistics)
34. M.Sc. (Mathematics)
35. M.Sc. (Medial Biotechnology)p
36. M.Sc. (Zoology)
37. M.Sc. (Physics)
38. M.Sc. (Food Technology )
39. M.Sc. (Microbiology)
40. M.Sc. (Forensic Sc)
41. M.Sc. (Bio-Informatics)
42. M.Sc. (Agricultural Bio-Tech)
43. M.Sc. (Environmental Biotechnology)
44. M.Sc. (Clinical Biochemistry)
45. M.sc. (Microbial Biotechnology)

46. M.Sc. (Geoinformatics)
47. MBA (Business Economics) - 2-Year
48. MBA 2-Year
49. MBA (Hons.) 2-Year
50. M.Tech. (Computer Science)
51. M.Tech. (Computer Science Engineering)
52. M.Tech. (Software Engineering)
53. M.Tech. ( Electronics & Communication Engineering)
54. M.Tech. (Mechanical Engineering (Manufacturing & Automation))
55. M.Tech. (Biotech. Engineering)
56. MCA
57. M.Ed.
58. M.P.Ed.
59. Master of Law ((LL.M.)
60. Master of Library & Information Science
61. Master of Hotel Management
62. Master of Tourism Management

### **INTEGRATED MASTERS PROGRAMME**

1. M.A. (Hons) Economics 5-Year Integrated
2. M.A. (Hons). English 5-Year Integrated
3. M.A. (Hons.) Public Administration 5-Year Integrated
4. M.Com (Hons.) - 5-Years Integrated
5. M.Sc. (Hons.) Mathematics - 5-Years Integrated
6. MBA 5 Year Course
7. M.A. (Visual Arts) (Painting) 6-Year Integrated.
8. M.Lib.I.Sc. 2-Year Integrated
9. LL.B. 5-Year Integrated

### **P.G. COURSES AT INDIRA GANDHI P.G. REGIONAL CENTRE MIRPUR, REWARI**

1. M.A. (Economics)
2. M.A. (English)
3. M.A. (History)
4. MBA (General) 2-Year
5. MCA
6. M.Com.
7. M.Com. (Hons.) 5-Year
8. M.Sc. (Maths)

## **M.PHIL COURSES (FULL TIME)**

1. Commerce
2. Economics
3. Education
4. English
5. Geography
6. Hindi
7. History
8. Applied Mathematics
9. Political Science
10. Psychology
11. Public Administration
12. Sanskrit
13. Sociology
14. Statistics
15. Music – Instrumental
16. Music Vocal
17. Journalism & Mass Communication
18. Defence & Strategic Studies
19. Physical Education

## **Pre-Ph.D. (FULL TIME COURSES)**

1. Biochemistry
2. Bioinformatics
3. Biotechnology
4. Biotechnology Engineering
5. Botany
6. Chemistry
7. Commerce
8. Computer Science & Applications
9. Computer Science & Engineering
10. Defence & Strategic Studies
11. Economics
12. Education
13. Electrical Engineering
14. Electronics & Communication Engineering
15. English
16. Environment Science
17. Food Technology
18. Forensic Science
19. Genetics
20. Geography
21. Geology
22. Hindi

23. IMSAR
24. Journalism & Mass Communication
25. Law
26. Library & Information Science
27. Math
28. Mechanical Engineering
29. Medical Biotechnology
30. Microbiology
31. Music
32. Pharmaceutical Science
33. Physical Education
34. Physics
35. Psychology
36. Public Administration
37. Sanskrit
38. Statistics
39. Textiles Engineering



**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

An Autonomous Institution of the University Grants Commission  
Ministry of Human Resource Development, Government of India  
P. O. Box 1075, Nagarbhavi, Bangalore-560 072, India.  
Phone: +91-80-23005100, 23210261 - 65, Fax: +91-80-23210268/23210270

Provisional Certificate of Accreditation

*The Executive Committee of the  
National Assessment and Accreditation Council  
on the recommendation of the duly appointed  
Peer Team is pleased to declare the  
Maharshi Dayanand University  
Rohtak, Haryana as  
Accredited*

*with CGPA of 2.95 on four point scale*

*at B grade*

*valid up to September 03, 2015*

EC/PCRAR/53/57

EC Date : September 04, 2010

*HARANI*

Director

**Peer Team Report**

on

**Institutional Re-Accreditation**

of

**Maharshi Dayanand University,  
Rohtak (Haryana) – 124 001**

**Dates of Visit: April 27-29, 2010**



**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

*An Autonomous Institution of the University Grants Commission*

P.O. Box No. 1075, Nagarbhavi, Bangalore - 560 072, INDIA



# I Peer Team Report on Institutional Reaccreditation held on 27-29 April, 2010

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## Criterion I: GENERAL INFORMATION

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1.1 Name & Address of the Institution:	Maharshi Dayanand University Rohtak – 124001, Haryana
1.2 Year of Establishment:	19.04.1976
1.3 Current Academic Activities at the Institution (Numbers)	
Faculties/Schools: Departments/ Centres	Faculties -11 Departments-35, Centres-02
Programmes/Courses offered	118 (UG -11,PG -45, M.Phil -18 Ph.D. -34 PG Diploma-04, Diploma-02, Certificate- 04
Permanent Faculty	313 +10* (sanctioned -405)
Self -Financing Scheme	071 +7=78**
Permanent Support Staff	Non-teaching -1225 (sanctioned-1382) Technical-258 (Sanctioned-335)
Students (2009-10)	6621
1.4 Three Major features in the institutional Context (As perceived by the Peer Team)	<ul style="list-style-type: none"><li>• A multi-faculty state-funded urban University for imparting quality education.</li><li>• Good infrastructure and sports culture.</li><li>• Academic tranquility and efforts to preserve the cultural heritage of the State.</li></ul>
1.5 Dates of visit of the Peer Team (A detailed visit schedule is attached):	27-29 April, 2010

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\*Regular selections have been made and the candidates are in the process of joining

\*\*Appointments of teachers under SFS also in regular mode.

## **1.6 Composition of the Peer Team Which undertook the on-site visit**

### **Chairman**

Prof. P.S. Zacharias (Chairperson)  
(Former VC, Goa University), 207 Kapila Tower 1,  
National Games Housing Complex, Koramangala, Bangalore-560047,  
Karnataka

### **Members:**

1. Dr. Mamata Satapathy,  
(Former Professor, Utkal University )  
1/13, Kanchanjanga VIP Enclave, Chandrasekharapur,  
Bhubaneswar- 751016, Orissa
2. Prof. B.V.Babu,  
Dean, Educational Hardware Division (EHD) & Professor of Chemical  
Engineering,  
Birla Institute of Technology and Sciences (BITS),  
Pilani-333031
3. Dr. Yoginder Verma,  
(Former Director UGC-Academic Staff College),  
Institute of Management Studies, Himachal Pradesh University,  
Summer Hills, Shimla-171005, Himachal Pradesh.
4. Dr. Jacob John Kataakayam, Director cum Professor,  
UGC-Academic Staff College, University of Kerala,  
Kariavattom, Trivandrum-695581, Kerala
5. Prof. V.Vijayakumar,  
(Former Registrar, NLSIU, Bangalore)  
Professor of Law, National Law School of Indian University,  
Nagarbhavi, Bangalore-560072, Karnataka
6. Prof. Sher Ali,  
Head, Molecular Genetics Division, National Institute of Immunology,  
Aruna Asaf Ali Marg, New Delhi-110067.

### **NAAC Coordinator:**

Dr. Sujata P. Shanbhag,  
Assistant Advisor, NAAC,  
Bangalore – 560072

**Section II: CRITERION WISE ANALYSIS AND OBSERVATIONS (STRENGTHS AND/OR WEAKNESSES) ON KEY-ASPECTS**

**2.1 CURRICULAR ASPECTS:**

**2.1.1 Curricular Design & Development:**

- Curricula designed and developed to cater to the national and societal needs, keeping in view the changing global scenario.
- Separate Boards of Studies (BOS) for UG and PG for all courses. Participation of industry experts in some Boards is evident.
- Computer education in all UG courses.
- Value-based education as a part of curricula needs to be strengthened.

**2.1.2 Academic Flexibility:**

- The University offers 11 UG, 45 PG, 18 M.Phil, 34 Ph.D programmes, 4 PG Diploma, 2 Diploma and 4 certificate including 25 self-financing courses.
- During the last five years, 19 PG, 2UG and 10 certificate/ diploma courses were introduced.
- Semester system introduced in 26 PG, courses since 2008-09 for science and commerce of UG courses from 2009-10.
- Directorate of Distance Education (DDE) offers UG and PG courses in distance mode, and has recently been computerized.
- Choice Based Credit System (CBCS) is yet to be introduced.

**2.1.3 Feedback on Curriculum:**

- Formal feedback mechanism from stakeholders is to be initiated.

**2.1.4 Curriculum Update:**

- Major revision of curricula is undertaken once in 3-4 years. During the last five years, all courses have been revised following UGC/AICTE model curricula.
- In some courses, due thrust has been given to emerging and inter-disciplinary areas
- Syllabus revision based on stakeholders' input is not evident

### **2.1.5 Best Practices:**

- Conduct of curriculum development workshops
- Introduction of a number of job-oriented professional courses.

## **2.2 TEACHING-LEARNING AND EVALUATION**

### **2.2.1 Admission Process and Student Profile**

- Admission process is publicized through University Handbook, Website, local and national newspapers.
- Admission to various courses done on the basis of merit in qualifying examination and /or entrance tests conducted by the University, national, and state agencies.
- State reservation policy is followed in admission processes.

### **2.2.2 Catering to Diverse Needs:**

- The knowledge and skills of the students are assessed through course specific entrance examinations conducted by the University.
- Structured bridge/remedial course and enrichment courses are yet to be offered for slow and advanced learners.
- University ‘Centre for Competitive Examinations’ provides coaching and counselling for UGC-Net, state and central competitive examination.
- Coaching and counseling facilities made available free of cost for SC/ST and other disadvantaged candidates.
- Tutorials are conducted in some departments, formal mentoring may be made more visible.

### **2.2.3 Teaching –Learning Process:**

- Annual academic calendar is published well in advance distributed to the students and teachers before the start of the session.
- Class room teaching is supplemented by more interactive learning through seminars, projects, industrial training field trips, etc.
- Educational-aids like, OHP, LCD and computer with internet facility, library resources, etc. are used for class room instructions.
- Student centric learning methodology need to be strengthened.

#### **2.2.4 Teacher Quality:**

- About 80% of teachers have Ph.D., 5% have M.Phil degrees.
- Faculty is exposed to recent developments through participation in conferences, seminars, workshops, etc.
- University conducted a few international and several national seminars/symposia/workshops, etc
- Innovative approach in teaching is to be strengthened.

#### **2.2.5 Evaluation Process And Reforms**

- Mostly conventional examination and evaluation processes are followed.
- Continuous internal assessment part varies from 20% to 40% of total marks for different courses.
- Examination system is computerized.
- Mechanism for attending to student's grievances regarding examinations is in place. However, provision exists for supplying photocopy of the answer scripts under RTI Act,2005

#### **2.2.6 Best Practices in Teaching –Learning Evaluation**

- Declaration of examination results on time and the results are available on the website.

### **2.3 RESEARCH CONSULTANCY AND EXTENSION**

#### **2.3.1 Promotion of Research**

- Research Project Cell is active in facilitating and promoting research in the University.
- Well-equipped laboratories, Internet and other facilities available for research
- Over Rs. 9.00 crore allocated for promotion of research during the last five years.
- University provides on an average 140 University research fellowships annually to meritorious students and 10 scholarships to reserve category students.
- Seed money for research to newly recruited teachers may be provided.

### **2.3.2 Research and Publication Output**

- Majority of the teachers are actively engaged in research. Total outlay on ongoing projects is about Rs. 3.35 crores.
- Five departments are recognized under SAP and three departments assisted by DST-FIST programme.
- Teacher's published 915 papers in national and 453 papers in international journals, and have two Indian patents granted. 1236 Ph.D. produced during last five years.

### **2.3.3 Consultancy**

- Consultancy at the University level is to be strengthened.
- Corporate Resource Centre has been set up recently for promoting University-industry linkages.

### **2.3.4 Extension Activities**

- University promotes outreach activities through PG departments, NSS and Women Studies Centre.
- Some teachers are involved in extension activities through NGOs.

### **2.3.5 Collaboration**

- About 20 national and 10 international research collaborations.
- MoUs signed with nine national and international institutes, though only four are active.

### **2.3.6 Best Practices in Research, Consultancy & Extension (if any)**

- Simplified rules for execution of research projects.
- Publication of two University Journals 'MDU Law Journal' and 'Maharshi Dayanand University Research Journal (Arts)'.

## **2.4 INFRASTRUCTURE AND LEARNING RESOURCES**

### **2.4.1 Physical Facilities for Learning**

- The University has a main campus with an area of 697 acres of land and two satellite campuses of 100 acres at Rewari and 5.35 acres at Gurgoan.
- Main campus has adequate number of furnished class rooms well-

equipped labs, computer centre, central library, language lab., state-of-the-art auditorium, sports complex, etc.

- Laboratory facilities have been upgraded.
- University has excellent sports facilities with play grounds, play courts, multi-gym, swimming pool of international standard, etc.

#### **2.4.2 Maintenance of Infrastructure**

- Adequate budgetary allocation for maintenance of infrastructure.
- Technical staff of University Engineering Cell maintains the buildings, other physical facilities, electrical installations, water supply, etc.
- Computer and other sophisticated equipments are maintained through AMC.

#### **2.4.3 Library as Learning Resources**

- The central library has 2.51 lac books, 500 Indian, 101 foreign and 4850 e-journals.
- Computerisation of library is in progress.
- Library connected to LAN provides 55 terminals for internet and has OPAC.
- Braille literature is available but access through computer is also desired.

#### **2.4.4 ICT as Learning Resources**

- University has more than 700 computers spread all over the campus.
- University has a robust campus wide network through optical fiber connectivity and Wi-Fi technology with 3300 network points.
- Computer centre has a central facility with 30 terminals, two servers, SPSS package for data analysis and other computer tools. It also imparts computer training to faculty and staff.
- The University website containing relevant information is periodically updated.

#### **2.4.5 Other Facilities**

- The University has 4 boys and 5 girls hostels accommodating 590 men and 780 women, respectively. Four hostels are ready for occupation each having a capacity of 240.

- The University has a health centre, subsidized canteen, school, bank, post office, printing press, buses for transport, etc.

#### **2.4.6 Best Practice in the development of infrastructure and Learning Resources (if any)**

- An air-conditioned reading room for 250 students is available round the clock throughout the year.
- Library houses one to one videoconferencing facility.
- **Multimedia library**
- **Tagore Auditorium**

### **2.5 STUDENTS SUPPORT AND PROGRESSION**

#### **2.5.1 Student Progression**

- Success rate is above 90%
- The average dropout rate varies from 2% for UG & 11% for PG.
- During the last five years, 467 students have passed UGC-CSIR-NET, 27 SLET, 10 TOEFL, 100 GATE, 10 GRE, 08 IAS, 45 defence entrance examinations and other services 207.
- Formal institutional mechanism for tracking students' progression to higher studies and employment is yet to be evolved.

#### **2.5.2 Students Support**

- The Handbook of Information on the University published every year.
- 'Earn while Learn Scheme' is available for meritorious and SC/BC students.
- Financial assistance is made available to students in the form of scholarships, freeships and stipends.
- SC/BC students are given coaching for NET/SLET and various competitive examinations.
- Accessibility to the infrastructural facilities is facilitated by the University for person with disabilities in the new buildings.

#### **2.5.3 Student Activities**

- The students successfully participated in the University/state/ national/ international sports and games.



- In last five years, students received 3 prestigious Arjuna awards and 3 Bhim awards.
- Students took part in adventure camps, youth leadership training camps, cultural activities and won large number of prizes and University colours.
- University has organized national level sports meets, national youth and several zonal festivals.

#### **2.5.4 Best Practices in Student Support and Progression (if any)**

- Earn while You Learn Scheme for meritorious and SC/ST/BC students.
- Cash incentives are given to outstanding sports persons.
- Topper of first year examinations in each course is given cash incentives.
- ‘Arista’ – documentation of Haryana Culture is produced by students

### **2.6 GOVERNANCE AND LEADERSHIP**

#### **2.6.1 Institutional Vision and Leadership**

- Institutional vision and mission are to promote and foster quality teaching and research, especially in Environmental, Ecological and Bio sciences.
- Vice-Chancellor is the executive head of the academic and administrative functions and provides leadership for the overall growth and development of the institution.
- Management Information System (MIS) and E-Governance are to be strengthened.

#### **2.6.2 Organizational Arrangements**

- The University has structured organizational arrangement as per the University Statutes.
- The internal coordination of various academic activities is carried out through statutory bodies and committees.
- Key administrative positions being held by additional charge holders need to be filled in on regular basis.
- Cell for prevention of sexual harassment and for RTI are in place.

### **2.6.3 Strategy Development and Deployment**

- Short term plan proposal are formulated, initiated and many of them are implemented.
- Recently the University has prepared perspective plan for the next 10 years.

### **2.6.4 Human Resource Management**

- Teaching and non-teaching staff are recruited as per the UGC / State Govt. guidelines and University norms.
- About 20% of teaching posts are lying vacant. University has taken steps to fill up some of the vacant positions.
- Computer Centre of the University conducts short-term computer training programmes for non-teaching staff.

### **2.6.5 Financial Management and Resource Mobilization**

- Budgetary provision is adequate for maintenance and upkeep of the infrastructure, learning resources, and day to-day expenses.
- Considerable amount of revenue generated from Directorate of Distance Education programmes.
- Accounts are audited regularly by internal and external auditors.
- Finance system is partially computerized.

### **2.6.6 Best Practices**

- Participatory management and decentralized administration.
- Payment of higher rate of interest on PF account of the faculty and the non-teaching staff

## **2.7 INNOVATIVE PRACTICES**

### **2.7.1 Internal Quality Assurance Systems**

- IQAC, established as per NAAC guidelines, is making effort to bring out a quality change in academic and other programmes.
- New UGC guidelines for Ph.D. admission, course work and research publication, etc. have been adopted by the University.

- During the post accreditation period, several new professional programmes in the emerging areas have been introduced.
- The University is yet to initiate academic and administrative audit.

### **2.7.2 Inclusive Practices**

- At present, about 38% of students, 8.4% of faculty and 19.2% of non-teaching staff belong to SC/BC category.
- About 44% of students, 37% of faculty and 17% of non-teaching staff are women.
- Special coaching classes for UGC-NET and other competitive examinations are organized by the Centre for competitive examinations for SC/BC students.

### **2.7.3 Stakeholder Relationship**

- Stakeholders participate in the University affairs through their representation in various University bodies and committees.
- The scope of existing alumni association needs to be broadened for the overall growth of the University.
- The University may develop programmes for promoting societal and citizenship responsibilities

## **Section III: OVERALL ANALYSIS**

### **3.1 INSTITUTIONAL STRENGTHS**

- University has good laboratory and infrastructural facilities for academic and extracurricular activities.
- Wide range of courses offered in regular, self-financing and distant modes, some in the emerging areas having employment potential.
- Quality research carried out in some disciplines is evident from good publications, research collaborations, and patents.
- Significant quantum of resource generated through fully automated Directorate of Distance Education.
- Well established library with good internet facility, air-conditioned reading room facility coupled with videoconferencing.
- Computer with internet facility in all departments having access to INFONET facility provided by INFLIBNET.
- Institution of University Research Scholarship (URS) for meritorious

and under privileged students.

- Good academic tranquility on the campus.
- Efforts of the administration to create residential campus.
- Sound financial position of the University
- Cordial relations position of the University.

### **3.2 INSTITUTIONAL WEAKNESS**

- Absence of adequate faculty and regular key administrative heads in spite of the efforts of the University to fill them up.
- Absence of clearly defined thrust areas for research.
- Absence of a well-defined long term developmental plan.
- In spite of good IT infrastructure, the use of ICT in teaching-learning is marginal in many departments.
- Weak consultancy and collaborative activities.
- Lack of training for faculty to use e-class, web-based teaching and participatory learning tools.

### **3.3 INSTITUTIONAL OPPORTUNITIES**

- Scope for implementing e-modules with the existing IT infrastructure.
- Developing competent human resources to meet the emerging challenges.
- Offering quality consultancy/extension activities by using the available expertise of the University.
- Launching of well-defined resource programmes in the emerging areas of science and technology.
- Scope for creation of job opportunities for students through University Corporate Resource Centre.
- Developing linkages with other institutions, business houses and industries.
- Opportunity for its societal development activities through Centre of Community Development.

### **3.4 INSTITUTIONAL CHALLENGES**

- Strengthening of soft skills for career prospects of all students.

- Development of globally competent and locally relevant research and consultancy programmes.
- Optimization of formal linkages and networking with industries and institutions through MoUs and agreements.
- Internalization of quality sustenance and enhancement measures in University system through good governance and IQAC.
- A macro level challenge arising out of creation of a number of central universities, world class universities, foreign institutions, private universities competing faculty and funds.

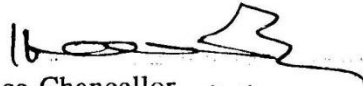
**Section IV: RECOMMENDATIONS FOR QUALITY ENHANCEMENT OF THE INSTITUTION**

- Introduction of Choice Based Credit System for academic flexibility.
- University may consider introducing twining programmes.
- Thrust areas of research be identified and appropriate steps be taken to make research nationally/internationally competitive and socially relevant.
- Provision for starter research grant for newly recruited faculty members.
- Strengthening of extension activities incorporating entrepreneurship/ techno prenuership programmes to facilitate self employable manpower.
- Institution of methodology and instruments to obtain formal feedback from students, parents, alumni and employers and follow up action need to be strengthened.
- Concerted efforts to improve the soft skills, career guidance and counseling by adopting appropriate measures.
- University may encourage participation of faculty members in seminars, conferences, etc. at national and international levels.

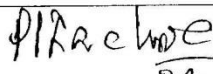
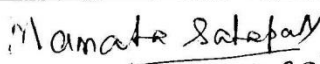
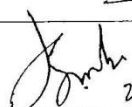
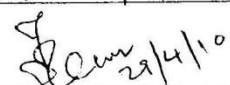
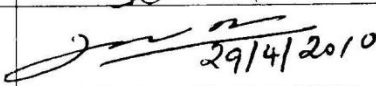
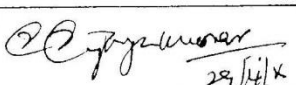
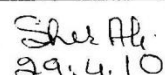
- University may consider taking appropriate steps to preserve the rich cultural heritage of the State.
- IQAC may be strengthened.

I agree with the observations of the Peer Team as mentioned in this report.

Signature of the Head of the Institution

  
 Vice-Chancellor  
 Seal of the Institution  
 Maharshi Dayanand University,  
 Rohtak-124001 (Haryana) India

Signatures of the Peer Team Members:

Name and Designation		Signature with Date
Prof. P. S. Zacharias	Chairman	 29.4.10
Prof. (Mrs.) Mamata Satapathy	Member	 29.04.2010
Prof. B.V. Babu	Member	 29/04/2010
Prof. Yoginder Verma	Member	 29/4/10
Prof. Jacob John Kattakayam	Member	 29/4/2010
Prof. V. Vijayakumar	Member	 29/4/10
Prof. Sher Ali	Member	 29.4.10

Place: Rohtak

Date: April 29<sup>th</sup>, 2010



274

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

An Autonomous Institution of the University Grants Commission

## *Certificate of Accreditation*

*The Executive Committee of the  
National Assessment and Accreditation Council  
on the recommendation of the duly appointed  
Peer Team is pleased to declare the  
Maharshi Dayanand University  
Rohitak, Haryana as  
Accredited<sup>1</sup>  
at the B<sup>++</sup> level<sup>2</sup>.  
(among the Universities)*

Date : March 21, 2003



*Urbhai*  
Director

1. This certification is valid for a period of Five years with effect from the academic year 2002 - 2003.
2. An institutional score (%) in the range of 55-60 denotes C grade, 60-65 - C<sup>+</sup> grade, 65-70 - C<sup>++</sup> grade, 70-75 - B grade, 75-80 - B<sup>+</sup> grade, 80-85 - B<sup>++</sup> grade, 85-90 - A grade, 90-95 - A<sup>+</sup> grade, 95-100 - A<sup>++</sup> grade (upper limits exclusive).

**Assessment Report for  
Institutional Accreditation of  
Maharshi Dayanand University  
Rohtak, Haryana**

**February 18-20, 2003**

**National Assessment and Accreditation Council  
Bangalore**



# Assessment Report for Institutional Accreditation of Maharshi Dayanand University, Rohtak Haryana

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## Section 1: Preface

Maharshi Dayanand University, Rohtak was established in July, 1976 by the State to fulfill the needs of higher education in Haryana. The University got recognition by the University Grants Commission under 2(f) of UGC Act in 1983. Located in the urban area of Rohtak, it has a main campus area of 733 acres and two satellite campuses. The University has 26 Post-graduate Departments in the campus besides two constituent and 129 affiliated colleges across 8 districts and one Postgraduate Regional Centre. It has 226 permanent teachers, 46 temporary teachers and 1252 administrative (Teacher: Administrative staff ratio of 1:5.53) and 340 technical staff. There are 3063 students of whom 1147 are girls (Male: Female ratio 1:0.6) in Under-graduate and Post-graduate courses and another 568 in other programmes of the University. It offers five Under-graduate courses, one Certificate course, one Diploma course, two P.G. Diploma courses and 30 Post-graduate courses under 13 Faculties. It also offers M. Phil and Ph.D programmes. These courses are offered in the Faculties of Humanities, Social Sciences, Physical Sciences, Life Sciences, Bio-Sciences, Commerce, Management, Law etc. on the campus and Medicine, Dental and Engineering in affiliated colleges.

The University volunteered to be assessed by the National Assessment and Accreditation Council and prepared a Self-Study Report (SSR) and submitted it to NAAC during 2002. A Peer Team was constituted by the Council to visit the institution and validate the SSR. The Team consisting of Prof. Madhab Chandra Dash,

Vice-Chancellor of Sambalpur University as Chairman, Dr. S. Gurumadhva Rao, Prof. S. Jayarama Reddy, Prof. Prashant K. Sinha, Prof. L. Thara Bhai and Dr. Sutanu Bhattacharya as members. Dr. M. S. Shyamasundar, Deputy Advisor, NAAC, was the coordinating officer for the visit. The Team visited the University for three days from 18th to 20th February 2003.

The Peer Team carefully perused and analysed the Self-Study Report submitted by the institution. During the institutional visit, the Team went through all the relevant documents, visited the Departments and the facilities, and interacted with the various constituents of the institution. The units offering academic, co-curricular, extracurricular including sports and extension facilities of the institution were also assessed. The Peer Team interacted with the Vice-Chancellor, members of the Executive Council, Faculty, Principals of affiliated colleges, Students, representatives of the Teachers' Association and non-teaching employees association. Based on the above exercise, and following the criteria identified by NAAC, the Peer Team assessed the University. The commendable features as well as issues of concern are mentioned in the following sections.

## **Section 2: Criterion – wise Analysis:**

### **Criterion I: Curricular Aspects**

The University offers five Under-graduate, 30 Post-graduate, one Certificate and one Diploma and two P.G. Diploma courses besides M. Phil, Doctoral and Post-doctoral programmes on the Campus. It also offers a number of need-based courses having employment potential like Biotechnology, Environmental Sciences, Master of Computer Applications, Bachelor of Journalism, Physical Education etc. 15% of seats in all the departments are kept as payment seats. As per the provision, the curricula are reviewed and updated by various Boards of Studies. In some of the departments, curricular

include components like laboratory training, field-work and project work. A number of departments have a good interaction with reputed faculties and laboratories outside the University. It has established academic linkages with the National and International institutions. The University offers 5 years integrated Postgraduate programmes in Law and Management Studies. However, there is a need to strengthen elective options, especially in non-core options and to encourage horizontal mobility. The University may switch over to credit based semester system in phases from the annual system.

#### **Criterion II: Teaching – Learning and Evaluation**

The students are admitted to different courses through entrance tests and on the basis of marks in qualifying examinations. In addition to classroom teaching, there are provisions for laboratory training, seminars, project work and field visit. The Central library with more than 2.4 lakh books, 130 foreign journals and 400 Indian journals caters to the needs of the students and faculty. Some of the departments have library facilities of their own for use by their faculty and students. Each department may provide separate library facility.

There is a provision for bridge-course to help the students studying Visual Arts, Biotechnology, Environmental Sciences and Pharmacy. The University also runs a coaching centre for SC/ST students to prepare them for various competitive examinations. The pattern of examination is mostly annual, but the semester system has been introduced in the Department of Management. The pass performance of the students is 80–85% in Post-graduate as well as Under-graduate programmes. A large number of students qualified in NET during last five years is indicative of good teaching and learning programme. There are qualified full-time teachers in the department sharing more than 90% of the work-load, while the rest is being shared by temporary teachers. Some of the Postgraduate Departments may

be considered for granting academic autonomous status.

The faculty members are encouraged to attend/organise seminars, conferences, workshops, refresher courses, orientation courses etc. to keep themselves abreast of recent developments. Some of the teachers have received national and international awards and recognitions to their credit. There is a full-fledged Directorate of Distance Education having many study centres and offering many courses with a provision of compulsory personal contact programmes. However, its assessment is not coming under the purview of the present Peer Team.

The examination system is being computerized and examinations are conducted regularly and results are published on time. The Principals of affiliated colleges appreciated the efforts of the University in this regard.

### **Criterion III: Research, Consultancy and Extension**

A University is known by the quality of research, consultancy and extension service provided by the faculty in addition to the classroom teaching. Many teachers are actively involved in guiding research, undertaking projects and publishing books and articles, thereby reflecting an endeavour to promote and sustain a research culture. The University has 37 on-going or completed research projects during the last 5 years with an outlay of about Rs.1.91 crores. In addition, 91.5 lakh were received through SAP and FIST. Some of the teachers have been conferred with national and international recognition for their advanced research. Departments of Biological Sciences, Pharmaceutical Sciences, Law and others collaborate with National Institutions in research. The Departments of Biological Sciences and Pharmaceutical Sciences have some patents to their

credits. The University has signed Memoranda of Understanding with James Cook University, Australia and Korean Institute of Energy Research for research collaboration in Science and Social science.

As regards doctoral research, most of the faculty members are supervising a good number of students in diverse areas. It is encouraging to note that many departments have necessary infrastructure and expertise to undertake quality research programme. The Department of Sociology has recently come under the UGC-SAP. The Department of Bio-Sciences has also received assistance under FIST. More Departments may be encouraged to submit research project proposals for funding to the national and international agencies. Six journals are being published by the University. The University is yet to undertake consultancy services with either community-oriented or resource generating objective although it has the potential. Some extension programmes are undertaken by the students which may be augmented.

#### **Criterion IV: Infrastructure and Learning Resources**

The University, located in an urban area, has a sprawling main campus and two satellite campuses. There is adequate physical and infrastructural facilities like Central Instrumentation Facility, Nodal Computer Centre, Auditorium, Conference rooms, six Hostels (three more hostels are under construction), Guest-house, Faculty House, 352 staff quarters and Sports complex. These are maintained well through an in-house engineering division. The University has a Printing Press for printing examination answer books, prospectus, journals and other official documents of the University. The Press has both manual and automatic machines and is well-organised. On sports front, a number of excellent facilities for both out door and indoor games are provided

to the students, and an additional Sports Complex is under construction.

There is a full-fledged Central Library playing a key role in the learning process. It has about 2.46 lakh books and periodicals, and the university subscribes to 130 international and 400 national journals. The Central Library has all other ancillaries like reprographic facilities, computers, audio and video-cassettes, internet etc. The students expressed satisfaction with the overall facility. The existing departmental libraries may be upgraded and the departments which do not have such libraries may be encouraged to establish the same. Automation of the library services may be expedited. The Central Computer Facility, which is open for 11 hours a day, may be kept open for longer hours for the benefit of the users as the majority of Postgraduate and Research students stay on the campus.

As regards welfare measures, faculty and staff avail of loans for housing, vehicle, computer, marriage etc. There is a provision for re-imbursment of medical expenses and residential accommodation to teachers and non-teaching staff. There is a University Health Centre with a full-time doctor and support staff catering to the needs of the community, providing X-ray, ECG and other routine analysis. The University has three boys and three girls hostels accommodating about 900 students. The students are provided with the required facilities in the hostel. In a very short time, the University has been able to develop very good infrastructure with regard to building, seminar rooms etc., well spread over the campus.

The University has its own Transport Office having 23 vehicles providing transport services.

The university has established chairs named after some eminent personalities for undertaking research on their life time contribution to

the society. Although the Vice-Chancellor addresses the grievances of the teachers and employees, it may be desirable to constitute Grievance Redressal Cells separately for students, staff and women to address the problems in the shortest possible time.

#### **Criterion V: Student Support and Progression**

Human resource development for the welfare of the nation is the principal aim of any centre of higher learning and Maharshi Dayanand University is no exception. With a variety of job-oriented academic programmes, the University is trying to excel in its performance in the field of higher education.

The departments in the campus have more than 3500 students on the roll. The University has shown a fine gesture of subsidizing the cost of education with a moderate tuition fee for the benefit of the students. There are 386 students working for their Ph.D. and 131 for M. Phil. There are only two scholars under post-doctoral programme. About 15% of the students are from other states. There is a provision for admitting NRI students against payment seats. The number of students in the self-financing seats is about 327. The overall pass percentage is 80-85%. A good number of students of the University qualified in the NET, GMAT and All India Services examinations during the last five years.

The University publishes updated prospectus annually for the benefit of the students. The academic calendar, starting with admission to declaration of results, is strictly followed. Admission is based on entrance test and marks secured in the qualifying examination. The percentage drop-out of students is very minimal. The guidelines regarding admission of SC/ST and OBC students are strictly followed and scholarships are provided to them as per the Government regulations. Besides meritorious students, those belonging to lower

financial backgrounds are also given monetary help in the form of Central, State, University Scholarships and stipends.

Remedial Coaching is imparted to students belonging to the SC/ST category. The career guidance is largely provided by Employment Information and Guidance Bureau. In some departments, students get employment through placement services. Seminars and symposia are organized by many departments regularly. Students are encouraged to take part in sports, games and other co-curricular and extra curricular activities. Many of them also take part in adventure sports. Many students have brought laurels to the university in national and international sports. The departments may be encouraged to establish their own Alumni association.

The Dean, Students Welfare Office and the Director of the Youth Welfare organise Inter-zonal and Inter University Youth Festivals. University also has a separate National Service Scheme.

#### **Criterion VI: Organisation and Management**

The University is functioning with an organizational structure consistent with the Act and Statutes of the University. On an average the Executive Council meets once in every two months. The Academic Council, however, meets very often. The powers and functions of the various functionaries have been well demarcated. The organizational and management structure of the University is aimed at an orderly and congenial pursuit of all the academic activities to make the University a centre of excellence in higher education. The moderate fee being charged towards tuition, library, laboratory etc. has been fixed looking at the financial background of the student community.



The University maintains and follows an Academic Calendar from the beginning of an academic session. The examinations are being conducted as per schedule and results are declared on time. The University has a system of Annual Confidential Report for non-teaching staff. The self-appraisal system of evaluation of teachers' performance may be strengthened.

To improve the work efficiency of the officers and staff, the university organized "Total Quality Management Programme" in collaboration with Haryana Institute of Public Administration. Such programmes may be arranged regularly and more and more administrative and technical staff be deputed for computer and other administrative training. The University may consider constituting its own Academic and Administrative Audit Committee as per UGC guidelines for improving the functioning of teaching departments and administrative sections.

The University has computerized its Accounts Section, Examination, Registration and Scholarship Branches.

#### **Criterion VII: Healthy Practices**

The University has adopted and developed the following noteworthy healthy practices:

- A variety of support service available to employees, teachers and students.
- A discernable pervasive sense of discipline in the overall climate of the campus. The University encourages healthy student life with cultural activities and celebration of all socio-cultural festivals to focus and nurture the country's composite cultural heritage.
- Secure and well-maintained campus.

- Introduction of bridge-course in selected subjects and a coaching centre for SC/ST students.
- Computerization of examination system, timely conduct of examinations and publication of results.
- Memoranda of Understanding and collaboration for research at National and International levels.
- Provision of a large number of Stipends/scholarships to meritorious and economically backward students, good sports facilities for students and welfare programmes for the faculty and staff.
- Establishment of chairs named after eminent personalities to undertake research of social relevance.
- University has a separate “Yajñashala” to provide for the opportunities for the spiritual advancement of students and faculty through meditation camps etc.
- Free transportation is made available for the students within the Campus.
- Stress management and De-addiction programmes are undertaken by the University for the neighbouring community.

### Section 3: Overall Analysis:

The Peer Team, after going through the Self-Study Report and visiting various departments and central facilities of Maharshi Dayanand University, is convinced that there are a number of features in the unflagging endeavour in the University to ensure quality which the Team would like to commend.

- Variety of academic options and need-based courses.
- Adequate Library and other resources provided to the students.
- Establishment of University Computer Centre and development of computer culture.
- National and International Linkages in research.
- Timely conduct of examination and publication of results.

- Awards and recognition won by faculty.
- Providing good grants to departments by the University.
- Excellent facility for games and sports and encouragement to students to take part in them.

The Peer Team is happy to note that the University has made rapid strides during the last 25 years of its existence and has developed potential for achieving excellence in teaching, research and extension in future years.

### **Suggestions**

As the University continues to review and develop quality and standards, it may consider the following suggestions in the light of the findings of the Peer Team:

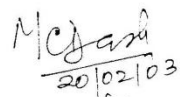
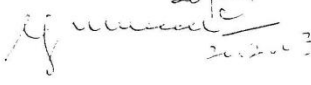
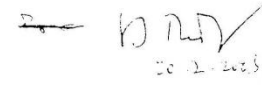
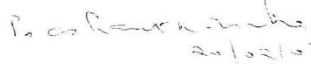
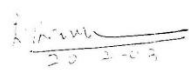
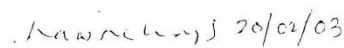
- The University may consider a few performing Departments for granting academic autonomy to encourage quality teaching and research.
- School concept may be adopted for interdisciplinary teaching and research and optimum use of human and other resources. This will also reduce the heavy work-load of teachers in many departments. Inter-departmental collaboration should be encouraged.
- A full-fledged departmental library may be established in each department and compulsory student seminars may be organized.
- The performing departments may be identified to seek funding from UGC under DSA and from DST under FIST.
- Teachers may be encouraged and facilitated to publish their research output in international journals and high impact journals.
- The expertise available with the faculty/department may be made available to others through consultancy service to generate additional resources. Rules may be framed to promote and monitor consultancy through a consultancy cell.

- Technology developed may be transferred through University-Industry linkages.
- More community-oriented extension activities may be undertaken.
- Internal Academic and Administrative Audit may be established both for teaching departments and administration to monitor the processes for quality assurance as per the recent guideline by UGC.
- Student feedback mechanism may be developed through questionnaires and other structured formats to improve academic performance and related services for the students as well for evaluation of teacher's performance by students.
- Counselling and student placement cells may be strengthened.
- Alumni Associations may be organised in each department in particular and University in general for developing and strengthening academic programmes of the department.
- All sections of the administration may be computerized. Computer training may be provided to the administrative staff to meet the future challenges.
- Grievance Redressal Cells may be established for teachers and employees separately.
- University Science Instrumentation Centre may be strengthened.
- Provision may be made in the course curriculum for horizontal mobility i.e. giving option to the students to offer up to 25% of the papers in other departments.
- Although there is a Perspective Plan prepared by the University, the Vision Statement of the University for the next 20 years may be prepared with well-defined goals, objectives and plans.
- Training programmes may be conducted for educational/administrative staff in new managerial practices.
- Early steps may be taken to fill up the large number of vacancies in faculty positions, especially in smaller departments. To motivate the teachers, the issues related to their promotional matters may be looked into.

The Peer Team was impressed by the endeavour and efforts of Maj. Gen. (Retd.) Bhim S. Suhag, Vice-Chancellor of the University and thanks him for providing excellent hospitality. Dr. M.S. Shyamasundar, Deputy Advisor, NAAC coordinated very ably the proceedings and we acknowledge his sincere efforts. The Peer Team wishes to record its appreciation of the enormous amount of goodwill and cooperation extended by the University community towards the Team. The Team wishes the University all success in its future endeavour towards realizing the excellence that was the dream of the visionary in whose name the University stands.

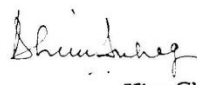
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**Name and Signature of the Peer Team Members**

Name	Signature
1. Prof. Madhab Chandra Dash - Chairman,	 20/02/03
2. Dr. S. Gurumadhva Rao - Member	 20/2/03
3. Prof. S. Jayarama Reddy - Member	 20.2.2003
4. Prof. Prashant K. Sinha - Member	 20/02/03
5. Prof. L. Thara Bhai - Member	 20.2.03
6. Dr. Sutanu Bhattacharya - Member	 20/02/03

I agree with the observations and recommendations made by the Peer Team Members

**Name & Signature of the Head of the Institution**

  
**Vice Chancellor:**  
Maj. Gen. ~~Shri. N. S. Singh~~ **S. Singh**  
**ROHTAK**  
Vice-Chancellor  
Maharshi Dayanand University  
Rohtak- 124001, Haryana  
Date: February 20, 2003

## CRITERIA-WISE ANALYTICAL REPORT



**Boys Hostel**

# **CRITERION I**

## **CURRICULAR ASPECTS**



**Biotechnology Block**



## 1.1 CURRICULUM DESIGN AND DEVELOPMENT

### 1.1.1 How is the institutional vision and mission reflected in the academic programmes of the university?

The vision and the mission, stated hereunder, embraced by the University, escort it to fashion and refashion its academic programmes to face emerging challenges and offer new opportunities:

**Vision:** The University envisions promoting quality education and research through inter-disciplinary understanding, state-of-the-art learning, and the use of emerging knowledge for developing world-class human resources capable of mastering the global challenges of future technology and management. The University seeks to create, preserve, and disseminate knowledge to build competitive capabilities for holistic development of man and society.

**Mission:** The University is committed to encourage inter-disciplinary higher education and research to spread knowledge to every strata of the society. It aims at creating an innovative, value-based, and research-oriented world-class learning environment and establishing itself as a Centre of Excellence.

The vision and the mission of the University are reflected in all the academic programmes. The university seeks to continue to excel both in the traditional and new areas of knowledge through teaching and research in humanities, social sciences, physical sciences, life sciences, commerce, management, computer applications, etc.

Maharshi Dayanand University, in order to promote higher education and research, offers a wide range of academic programmes consisting of certificate and diploma courses, bachelor degree programmes, and post-graduate diploma and degree courses. It also offers continuing extension work courses, distance education courses, and customised short-term, need-based, specially designed courses for different vocations and research degree. Altogether, the courses offered constitute a balanced blend of conventional and career-oriented options. In recent years, the emphasis is more on the introduction of career-oriented courses in newer areas.

Courses in sciences and technology such as Chemistry, Physics, Mathematics, Botany, Zoology, Biotechnology, Engineering, etc. aim at providing training in specific skills, imparting knowledge of ecological and environmental issues, augmenting employment potential, and fulfilling global demands resulting in community development. Courses in Economics, Commerce, and Management are designed to provide knowledge and training in the understanding and development of national living standards, and providing leadership in various spheres of business and economy.

Academic programmes in Hindi, English, Sanskrit, Sociology, Geography, Performing Arts, Visual Arts, History, and Political Science are expected to play a vital role in the development of languages, arts, and culture, and, in turn, fostering composite Indian culture, inculcating human values, and enhancing self-development.

A multi-faceted expansion that has taken place over the last few years has transformed the university into a fully developed locus for studies and research in all major disciplines of knowledge, notably in Life Sciences. While

the university has continued to excel in the traditional disciplines of knowledge through various post-graduate programmes of teaching and research in humanities, social sciences, and physical sciences, it has also adequately realised the challenges thrown in higher education by the emergence of a new economic order. Critical thinking and free exchange of ideas have thus been recognised as the key ingredients for intellectual growth. Accordingly, the university has taken a big leap in providing quality education in the fields of computer and management sciences.

The university always puts its best in formulating new courses having societal relevance and national manpower needs in mind. It keeps endeavouring to add more value to the existing academic programmes and facilitate new courses of relevance to meet the emerging needs. Importance of ICT enabled teaching-learning techniques and governing processes is well recognised.

Due emphasis on seeking participation in co-curricular activities in a variety of spheres aims at self-development and inculcating core values like tolerance, cooperation, courage, fellow feeling, scientific temper, and mutual respect. This further helps develop such personality traits as communication, expression, language development, confidence level, precision, etc. The participation in cultural activities is aimed at understanding, promoting and preserving our rich cultural heritage.

On the whole, the course offerings are expected to promote intellectual, academic, social, cultural, professional and personal values among students, besides training them in skills required for better life, alongwith the needed understanding of ecology, environment, society, and the world as a whole.

During the last over 35 years of its existence, the university has witnessed a phenomenal growth achieving not only its designated goals, but also becoming a leading centre of higher education. It has expanded its academic horizon by introducing a number of new academic programmes, with a major thrust on job-oriented professional courses, such as Master of Tourism Management, Master of Hotel Management, Master of Pharmacy, MBA (Hons.), M.Sc. (Food Technology), M.Sc. (Microbial Biotechnology), M.Sc. (Agricultural Biotechnology), M.Sc. (Bioinformatics), M.Sc. (Environmental Biotechnology), and M.Sc. (Medical Biotechnology). Besides, a Diploma Course in French and a Certificate Course in Spanish are also offered by the English department. Further, add-on courses in Web Designing and Office Automation, E-Commerce, Hardware Maintenance and Computer Applications, Information Technology, and Database Management have been introduced in the Department of Computer Science and Applications, and affiliated colleges/institutes.

The University Institute of Engineering and Technology (UIET) has been established to offer B. Tech. courses in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, and Biotechnology. It also offers M.Tech. programmes in Computer Science and Engineering, Software Engineering, Electronics and Communication Engineering, Biotechnology, and Mechanical Engineering (Manufacturing & Automation). It has also started B.Tech. programmes in Electrical Engineering and Civil Engineering with effect from 2011 academic session.

The Department of Mathematics has started an interdisciplinary course, namely M.Sc. (Mathematics with Computer Science). PG Diploma in Retail Management, launched by the Department of Commerce three years ago, has now been upgraded to a master level programme. The Department of Computer Science and Applications has started M.Tech. course in Computer Science. Similarly new courses of study have been offered by the Departments of Economics, Chemistry, and Biotechnology, in keeping with the market-driven needs.

Likewise, the Institute of Management Studies and Research (IMSAR) has developed industry relevant curriculum which is delivered through modern pedagogic methods, including role-play, case analysis, field assignments, and presentations. The Department of Defense and Strategic Studies has designed its curriculum based on issues concerning terrorism, naxalism, insurgency, and counter insurgency at national and global level. As a matter of fact, all such initiatives aimed at revision and updation of course curricula are part of regular exercise being undertaken by the university to keep pace with the emergence of new knowledge and skills.

Importantly, almost every department of the University offers Pre-Ph.D. course in accordance with the latest guidelines of the UGC.

A significant step taken forward is the introduction of internal assessment in all PG courses. This has been done with a view to ensuring continuous evaluation and constant involvement of students in the learning process. The university has also devised a mechanism for assessment of teachers by the students so that they introspect and improve in keeping with the aspirations of the students. The university remains a hub of various academic activities comprising refresher courses, seminars, workshops, conferences and extension lectures.

**1.1.2 Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).**

Yes, the University follows a systematic process in the design and development of the curriculum. The advice for curriculum development is obtained from academia and industry experts through their participation in formal discussions as members of various academic bodies (PG/UG Board of Studies, Academic Council, Executive Council, etc.). Many departments regularly consult their alumni and students for curriculum updation and designing. Academic opinion is also obtained by seeking large-scale expert participation in conferences, seminars, faculty development programmes, and extension lecturers. The teaching departments organize workshops exclusively for updating their subject curricula and expanding knowledge horizons commensurate with the requirements of new social, cultural, and technological needs. The UGC model course curricula are given due consideration in the process of enhancing curriculum quality. The process of need assessment for the purpose is generally informal.

The course outlines framed using the above processes are critically debated in the meetings of departmental committees before finalization. The preliminary drafts of courses are then placed in the meetings of respective Boards of

Studies for further discussion and modifications. The curriculum finally approved by the Boards is placed in a meeting of the concerned Faculty. The Faculty either approves or refers it back to respective Board of Studies for making the suggested changes and to consider it again in the next meeting.

After approval by the Faculty, the curriculum is placed before the Academic Council. The Council either approves or refers it back to the respective faculty, along with suggestions, if any, and is reconsidered in the next meeting of the Council.

### **1.1.3 How are the following aspects ensured through curriculum design and development?**

\* **Employability:** The professional and vocational courses such as MBA, MHM, MTM, MCA, BCA, BBA, and those in engineering, physics, chemistry, biotechnology, journalism have been designed as per needs of the industry and other organizations offering employment to the students. Practical hands-on training has been made an integral part of the curriculum in various programmes. The laboratories are equipped with the latest and sophisticated equipment so that students get sufficient exposure to the latest tools, techniques, and skills.

Keeping in view the changing market expectations, courses are regularly revised. During the last five years, the syllabi for PG courses have been revised in all the departments. There are 12 programmes where internship is mandatory.

\* **Innovation:** The most recent developments taking place in different disciplines at the international level are embraced and brought home at the departmental level, besides the usual efforts to modernise the existing curricula. Most of the departments have started new courses based on the global trends. The introduction of new courses in Biotechnology, Bioinformatics, Medical Biotechnology, Biochemistry, Business Economics, Business Management, Computer Science, Web Designing and Office Automation, E-Commerce, Hardware Maintenance and Computer Applications, Information Technology and Database Management are a few examples of achieving increased matching between global trends and curriculum composition. The fact that a good number of our students are placed at different levels in various organizations within India and abroad proves that curriculum relevance and quality have really been in good conformity with the global trends. **Department of Pharmaceutical Sciences is the first department in the country to introduce M. Pharma. (Pharmaceutics - Drug Regulatory Affairs).**

\* **Research:** The University is particularly conscious of its responsibility towards national development goals. The course curricula are thus attuned to meet the challenges of growth at regional as well as national level. The thrust areas with desired role in national development, like energy security, food security, sustainable economic growth, population challenges, and health problems have been given due place in designing the curricula. In all courses in the faculty of Life Sciences, the last semester is conspicuous due to the research based dissertation work. In almost all the programmes, the university is offering Pre-Ph.D. and Ph.D. courses to encourage research in all disciplines.

**1.1.4 To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the university been instrumental in leading any curricular reform which has created a national impact?**

Yes, the university not only rigorously follows the UGC/AICTE/DBT guidelines, but also takes special care to incorporate the contents of NET syllabi while developing or restructuring the existing curricula. The senior faculty of different departments is associated with the working of these bodies in different capacities, who bring lot of direct useful experience for the benefit of developing curricula with focus on national and regional needs and aspirations.

**1.1.5 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefitted through interactions with the stakeholders?**

Yes, the University interacts with industry, research bodies, and civil society in the curriculum revision process.

**a). Industry/Employer:** Indirect feedback is received from the employers, especially from private enterprises during their visit for talent search in the teaching departments running professional/ vocational courses. The placement record of the students shows that they come up well with the desired standards of performance. On the basis of the experience gained from the visits of senior executives, departments do come to know the demands of the market and the latest trends in placement. This helps the departments to suitably review/revise their syllabi. The Information and Guidance Bureau of the university maintains a continuous liaison with industry for the benefit of those in search of employment. Formal and informal feedback is also collected from corporate executives through informal discussions, meetings, invited talks, seminars, and conferences.

These efforts are further supplemented in different ways by the individual departments/institutions running job-oriented courses. For example, experts from the leading companies like Honda Motors, Denso Haryana, Pepsi, Purolator (Anand Group) United Breweries, Birla Sunlife, Karvy Consultants, etc. have been invited by IMSAR from time to time. Likewise, corporate managers from Eli Lilly Ltd. in the Department of Pharmacy, and Pesticide Control of India in the erstwhile Department of Bioscience were invited to talk to the students to suggest ways and means of improving their placement capabilities. On such occasions, faculty also holds discussions with the industry experts to seek their views for improving curricula inputs. In this very endeavour, a University-Industry Liaison Cell has also been formed by the University Institute of Engineering and Technology which helps establish a bridge between the Industry and academia.

**b). Civil Society:** Eminent persons from different walks of life are invited, often informally, by various teaching departments from time to time to take the feedback about their academic and professional credibility. Important bodies of the university have representatives of the community (like Members of Parliament and State Assemblies) as their members. Their viewpoints about

issues concerning national development often prove a good source of inspiration to enhance curricula and improve delivery.

**c). Academic peers:** Academic peers are invited as outside experts in various academic bodies such as UG/PG Boards of Studies, Boards of Research, Academic Council, etc. Academic Audit for the departments has been conducted in which peers were invited to evaluate infrastructure, laboratories, and research facilities. They are also invited for extension lectures, conducting practical examinations, and holding viva-voce. Seminars, conferences, workshops, symposia, etc. held from time to time also serve as an important means to welcome senior academicians from other universities for interacting with the students and faculty. The feedback obtained from them is incorporated while developing course contents. This has been found to be of great value.

#### **1.1.6 Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.**

To meet the challenges of changing needs and newly evolving education scenario, there is a provision for various Add-On need-based courses for offer in the affiliated colleges. Before allowing any such course, internal and external experts are involved in enriching and streamlining the course curricula, and the same is submitted to UG / PG Board of Studies of the concerned department for approval. Finally, approval of the Academic Council is obtained before offering a given course of study to a college for launch.

#### **1.1.7 Does the university encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities).**

Involvement of select college teachers in academics is ensured by inviting them as members of the academic bodies as per university statutes and ordinances. Various departments hold workshops, seminars, conferences, symposium, etc. to explore potential areas to identify local needs, and teachers of the affiliated colleges are invited to participate in the discussions. The university also considers research proposals submitted by the affiliated colleges in the light of regional needs and the same, if found suitable, are executed under the active guidance of the concerned teaching department.

During the 10<sup>th</sup> Plan Period, with an aim to introduce career and market-oriented, and skill enhancing add-on courses, UGC initiated the scheme: 'Introduction of Career Oriented Programmes at First Degree Level in Universities and Colleges'. All colleges and universities recognized by the UGC under Section 2(f) and 12(B) of UGC Act, 1956 are eligible for implementing this programme. At the end of three years, the students are awarded a Certificate/Diploma/Advanced Diploma in an Add-On orientation course alongwith the conventional degree in Science / Arts / Commerce. Following the scheme, the university encouraged its affiliated colleges to offer need-based and job-oriented courses as per local needs. It also provided academic support to offer various Add-On courses. As many as 32 affiliated colleges have introduced such courses. The list of these courses **shall be made available to the Peer Team during the 'On-site visit', as Annexure-1.1.**

## 1.2 ACADEMIC FLEXIBILITY

### 1.2.1 Furnish the inventory for the following:

\* **Programmes taught on campus:** There are 62 programmes of study offered at PG level and 13 at UG level, with options in each programmes. Similarly, there are 19 M.Phil., 38 Pre-Ph.D., and 38 Ph.D. programmes in all subjects. In addition, 02 Certificate Courses, 09 Diploma, and 03 P.G. diploma Programmes are also offered.

\* **Overseas programmes offered on campus :** NIL

\* **Programmes available for colleges to choose from academic programmes allowed to be run in the affiliated colleges.**

S.No.	Programmes
1.	Bachelor of Arts (pass course)
2.	Bachelor of Science (pass course)
3.	Bachelor of Commerce (pass course)
4.	Bachelor of Computer Applications (BCA)
5.	Bachelor of Business Administration (BBA)
6.	Bachelor of Tourism Management (BTM)
7.	Bachelor of Science (Medical/Non-medical) (pass course)
8.	Bachelor of Computer Aided Management (BCAM)
9.	Bachelor of Arts and Bachelor of Commerce (Vocational Courses)
10.	BA/B.Sc./B.Com. (Hons.)
11.	Bachelor of Commerce (with Computer Applications)
12.	Bachelor of Science (Computer Science)/ Bachelor of Science (Hons.) Chemistry, Botany, Zoology, Physics, Chemistry, Mathematics
13.	BBA (CAM), Hospitality, Industry-Integrated
14.	Bachelor of Arts (Hons.) Geography, Political Science, English, Sanskrit, Mathematics, Economics, Hindi
15.	Bachelor Degree in Fine Arts (Painting), Applied Arts, Fashion Design
16.	Bachelor of Arts, LL.B. (3-Year/5-Year Integrated)
17.	Bachelor of Technology (B.Tech.) and Master of Technology (M.Tech.)
18.	Bachelor of Architecture (B.Arch.)
19.	Bachelor of Science (Biotechnology / Sports Science / Bioinformatics / Home Science/ Human Nutrition and Dietetics)
20.	Bachelor of Education (B.Ed.)/Master of Education (M.Ed.)
21.	M.A. (English, Music, Economics, Commerce, History, Hindi, Political Science, Sanskrit, Physics, Mathematics, Psychology, Geography, Sociology, and Psychology)
22.	Master of Business Administration (MBA)
23.	Master of Computer Applications (MCA)
24.	Master of Science (Computer Science, Bioscience)
25.	Master of Commerce (M.Com.)
26.	M.P.Ed./C.P.Ed. and B.P.Ed.
27.	M.Sc.(Physics/Chemistry/Mathematics/ Botany/Zoology/ Home Science Food & Nutrition & Textile and Clothing/ Nutrition and Dietetic/ Computer Science/Statistics/Electronics/Industrial Chemistry)
28.	Bachelor Diploma in Cinematography, Acting and Editing
29.	PG Diploma in Fashion Designing
30.	PG Diploma in Journalism and Mass Communication
31.	PG Diploma in Application of Psychology
32.	PG Diploma in Rehabilitation Psychology

S.No.	Programmes
33.	PG Diploma in Guidance and Counselling
34.	PG Diploma in Nutrition and Dietetics
35.	PG Diploma in Computer Science and Applications

### 1.2.2 Give details on the following provisions with reference to academic flexibility

**a). Core / elective options:** In most of the programmes of study, there are core options that are considered compulsory. These are usually combined with elective options which represent specializations that a candidate may choose. Out of 62 programme options, 27 programmes are with elective options. Thirteen (13) of these courses are offered in modular form. In over-subscribed options, final allotment is based on a transparent and rational procedure taking into account one's performance.

**b). Enrichment courses:** Enrichment courses are not a part of the formal programmes listed in **Annexure 1.2**. However, in some of the courses, the students have an option to appear in additional subjects, thus leading to enrichment options (**Annexure 1.2**).

**c). Courses offered in modular form:** Six (6) of these courses are offered in modular form.

**d). Credit accumulation and transfer facility:** Students are provided facilities for credit transfer while migrating from one institution to another, provided the requirement of course equivalence and eligibility are met.

**e). Lateral and vertical mobility within and across programmes, courses and disciplines:** After completing a course in one discipline, a student is free to take admission in any other discipline as a fresh candidate subject to his/her eligibility and merit in the second subject / course. One enjoys the freedom to change optional subjects by the end of the first semester, while engineering students can even change their very branch before the stipulated date.

### 1.2.3 Does the university have an explicit policy and strategy for attracting international students?

All the existing programmes in the university are available for international students as well. To encourage foreign students, the University has made provision for 15 per cent additional supernumerary seats in each university teaching department to which admissions are made as per normal admission rules.

### 1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

All the undergraduate and postgraduate programmes of Engineering & Technology, Hotel & Tourism Management, and Pharmacy have been developed targeting international students. MBA (2-Year) course also has been developed targeting foreign students.

### 1.2.5 Does the university facilitate dual degree and twinning programmes? If yes, give details.

Yes, the University offers dual degree programmes. It provides degree in M.Com.(Hons) 5-year, M.A./M.Sc.(Hons.) in English, Public Administration,



Economics and Mathematics, MBA (5-Year) and also M.Lib.I.Sc. (2-Year) programmes.

**1.2.6 Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?**

Yes, the university offers 33 courses under the self-financing scheme. These are as per list given in **Annexure-1.3**. The policies regarding admissions, teachers' qualifications and salary are at par with the aided programmes except fee structure which is also decided by the State Fee Fixation Committee.

**1.2.7 Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details.**

All the courses offered through distance mode are available in regular mode as well. However, students are allowed to pursue MBA, BBA, MCA, APGDCA, BCA, MRM, PG Diploma in Industrial Security, etc., alongwith regular conventional courses. The list of courses **shall be made available to the Peer Team during the 'On-site visit' as Annexure-1.4.**

**1.2.8 Has the university adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?**

Yes, the university has already adopted semester system in all the courses. The choice-based credit system has been introduced in all courses offered by the Faculty of Life Sciences on trial bases. It is likely to be adopted in other faculties also, but gradually. After that CBCS will also be introduced in its affiliated colleges.

**1.2.9 What percentage of programmes offered by the university follow:**

- \* **Annual system**           NIL
- \* **Semester system**       100%
- \* **Trimester system**     NIL

**1.2.10 How does the university promote inter-disciplinary programmes? Name a few programmes and comment on their outcome.**

Yes, the University promotes interdisciplinary programmes. There are 33 courses which are interdisciplinary in nature in as much as course contents of one makes a demand on those of the other directly and indirectly. Out of these, 14 new programmes, mostly at PG level, were launched during the last five years. List of these 33 courses **shall be made available to the Peer Team during the 'On-site visit' as Annexure-1.5.**

**1.3 CURRICULUM ENRICHMENT**

**1.3.1 How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented /**

### **knowledge intensive and meeting the emerging needs of students and other stakeholders?**

Revision and upgradation of course curricula is a regular exercise to make them socially relevant, job-oriented, and knowledge intensive. This keeps happening as and when a cause arises. Course contents of all programmes were revised across the board even when Model Course Curricula in various subjects were last received from the UGC. The changes in the curriculum are facilitated through Board of Studies of the department concerned.

The Board of Studies of a department consists of faculty members from the department, affiliated colleges, and experts from other universities. The curriculum design is based on inter-disciplinary approach and methodologies to inculcate the needed skills for conceptual clarity, decision-making, healthy human relations, and effective communication. An attempt is made to integrate theoretical understanding with practical training by appropriate curriculum design. Employment potential is also given due consideration in the process of enhancing the qualitative aspects of the given course.

Taking into consideration the feedback received from various quarters, including faculty, students, employers, academia, and industry experts, the Boards of Studies discuss the curriculum to ensure that it is relevant and fully updated. For instance, IMSAR has restructured the complete course curriculum of its courses by holding a workshop, in consultation with a number of corporate houses and business leaders, and by incorporating vital pedagogical tools such as case studies, role plays, and workshops.

On the whole, there is regular updating of curricula by the Boards of Studies based on current industry requirements, placement record of the students of last batches, advice of the alumni, opinions of experts, etc. in almost all subject departments of the University.

The feedback gained from different sources is discussed in different academic bodies and valuable viewpoints are incorporated at the time of curriculum construction for new courses or for revising the course contents of the existing ones.

#### **1.3.2 During the last four years, how many new programmes at UG and PG levels were introduced? Give details.**

\* **Inter-disciplinary:** Out of 33 courses which are interdisciplinary in nature, 14 programmes, mostly at PG level, were launched during last four years. The list of these 33 courses **shall be made available to the Peer Team during the 'On-site visit' as Annexure-1.5.**

\* **Programmes in emerging areas:** A multi-pronged approach is used to explore new concepts, contents, and modules in accordance with the changing societal needs, corporate and institutional demands, and general employment prospects. Visits to foreign universities by the faculty, feedback from the alumni working in multinational companies, interaction with experts from academia and industry, and visits of senior faculty and scholars from home and abroad do prompt us to evaluate our course contents vis-à-vis those of other leading universities. Advice and opinion from these sources are used for updating the course contents to meet the emerging needs.

### **1.3.3 What are the strategies adopted for the revision of the existing programmes? What percentage of courses underwent a syllabus revision?**

The feedback gained from different sources is discussed in different academic bodies and valuable viewpoints are incorporated at the time of curriculum construction for new courses or for revising the course contents of the existing ones.

Revision of course curricula is a regular exercise. This keeps happening as and when the need arises. Course contents of all programmes were revised across the board even when Model Course Curricula in various subjects were last received from the UGC.

### **1.3.4 What are the value-added courses offered by the university and how does the university ensure that all students have access to them?**

The value-added courses offered by the university are aimed at developing skills, offer career training, and promote community orientation. In a way, all courses aim at developing these skills and traits among students. For example, language courses (Hindi, English, Sanskrit, and Foreign Languages) help develop skills of writing, expression, and critical appreciation. These also offer, to a lesser degree, career training, and promote community orientation.

Similarly, courses in sciences (Chemistry, Physics, Biosciences, and Biotechnology) help develop skills in handling sophisticated instruments, working in modular laboratories, managing a variety of reagents, sharpen keen observation, and also provide the needed training for technical / scientific careers.

Case discussions, role plays, experiential learning, buzz sessions, simulation exercises, seminars, and group discussions are integral part of effective learning and training in the case of professional courses, which enhance specific skills and offer specialized career prospects to the stakeholders. Departments like Sociology, Psychology, and Law offer courses which seek to promote community orientation and help improve reason and rationality.

Taking the UGC curriculum as a model, the university has focused on building vocational competencies and enhancing exposure to modern techniques as the basis for any curricula change. Introduction of accounting packages in B.B.A. and B.Com. courses and training in the functional aspects of computer languages and their applications such as office management and secretarial practices for traditional courses, are some of the important basics that go in curricula determination in the job-oriented courses at the undergraduate level.

The University encourages need-based and job-oriented courses as per local needs and provides academic support to launch the same without any hassles. Affiliated colleges can choose from a wide range of career-oriented courses depending on their own strengths.

Textile designing, food preservation, computer programming, civil engineering, mechanical engineering, electronics engineering, etc. are the important courses on offer in the affiliated engineering colleges so that larger number of students can enter the job market and contribute to development.

### **1.3.5 Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?**

Yes, the University lays emphasis on higher order skill development in its study programmes by introducing varied contents and activities, including encouragement to students to participate in a variety of co-curricular and social activities. Students are encouraged to engage in multifarious activities such as brain-storming, role-plays, quizzes, news analysis, extempore debates, panel discussions, paper presentations, syndicates, management games, mock drills, dumb charade, etc. with the aim of developing personality, improving communication skills, enhancing the level of confidence, and inculcating interpersonal skills, which are essential attributes for a successful career.

University also organizes a number of extra and co-curriculum activities during the course of every academic session. Students are encouraged to plan and organize various participative activities themselves under the supervision and guidance of the faculty. In addition, students are also encouraged and motivated to participate in personality development programmes organized at the level of individual departments.

Realizing the significance of Information Communication Technology (ICT) in skill formation and career development, each teaching department has incorporated a decisive element of ICT in its curriculum design. Almost each professional course of study has incorporated one ICT-based paper of a certain level in the course curricula. Bioinformatics, data mining from web resources, computer-based drug designing, simulation, web-designing, knowledge process outsourcing, e-commerce, etc. are the important ingredients in any such special papers.

Modern teaching aids like multimedia projectors, power point presentations, and internet are frequently used in lecture delivery, which together make teaching more interesting and effective for the students. Apart from this, provision of a computer lab., Wi-Fi facility in the entire university campus, and easy availability of internet connectivity help the students to acquire necessary computer skills in an effective and easy way.

## **1.4 FEEDBACK SYSTEM**

### **1.4.1 Does the university have a formal mechanism to obtain feedback from students regarding curriculum and how is it made use of?**

Yes, the University has a formal mechanism to obtain feedback from students and alumni.

**a). From Students:** The University, on the recommendation of IQAC, has introduced the mechanism of obtaining feedback from the students about the course contents and teaching methodologies. A questionnaire covering curricular design, support services, teaching methodology, IT-enabled learning environment, etc. is distributed among the students for their unbiased opinion. At times, the students themselves come forward with their suggestions for revising the existing curricula and adopting improved teaching skills.

**b). From Alumni:** The University appreciates the importance of obtaining feedback from former students for providing more effective support and linkages for promotion of career avenues to the current students. Not only the University-level Alumni Association, but also the alumni associations of individual departments/institutions, play significant role in this regard. IMSAR holds ‘Alumni Meet’ every year to benefit from the experience of more than 2000 alumni produced by them so far, most of whom occupy prestigious managerial positions in the corporate sector.

A large number of its alumni, with entrepreneurial talent, have set up their own enterprises, generating employment for others. The Department of Computer and Applications organizes its Alumni Meet, to which many new members have been enrolled. On the occasion, former students of the department placed abroad provide valuable tips to the students in finding better overseas job opportunities. The Department of Computer Science and Applications too has its own alumni association and maintains the good tradition of keeping close ties with their distinguished alumni.

The feedback from alumni associations in their respective departments has proved to be of great help in assessing the relevance of courses to industry/academics and in evaluating the strengths and weaknesses of the course curricula.

**1.4.2 Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.**

Yes, the University takes feedback on the curriculum from national and international faculty and also employer, community, academic peers, industry and parents as already mentioned in 1.1.5.

**a). Employer:** Indirect feedback is also received from the employers, especially from industry and other private enterprises during their visit for talent search in the teaching departments running professional/ vocational courses. The placement record of the students shows that they come up well with the desired standards of performance. On the basis of the experience gained from the visits of senior executives, departments do come to know the demands of the market and the latest trends in placement. This helps the departments to suitably review/revise their syllabi.

**b). Community:** Eminent persons from different walks of life are invited, often informally, by the various teaching departments from time to time to take feedback about their academic and professional credibility. Important bodies of the University have representatives of the community (like Members of Parliament and State Assemblies) as their members. Their viewpoints about issues concerning national development often prove a good source of inspiration to enhance curricula and improve delivery.

**c). Academic Peers:** Academic peers are invited as outside experts in various academic bodies such as UG/PG Boards of Studies, Boards of Research, Academic Council, etc. Academic Audit for the departments has been conducted in which peers are invited to evaluate infrastructure, laboratories, and research facilities. They are also invited for extension lectures, conducting practical examinations, and holding viva-voce. Seminars,

conferences, workshops, symposia, etc. also serve as an important means to welcome senior academics from other universities for interacting with the students and faculty. The feedback obtained from them is incorporated while developing course contents. This has been found to be of great value.

**d). Industry:** The Information and Guidance Bureau of the university maintains a continuous liaison with industry for the benefit of those in search of employment. Formal and informal feedback is also collected from corporate executives through informal discussions, meetings, invited talks, seminars, and conferences. These efforts are further supplemented in different ways by the individual departments/institutions running job-oriented courses. For more details, may refer to the position stated under **1.1.5 (a)**.

**e). Parents:** Although there is no direct mechanism to obtain feedback from the parents/guardians, the University does understand the importance of their views in improving academics. In this regard, the departments/ institutes running professional courses such as IMSAR, Biosciences, Pharmacy, etc. do sometime invite parents/guardians from time to time and interact with them during their induction programmes. Further, the faculty members also interact with the parents/guardians of the students either at the time of admissions of their wards or sometimes later as and when they visit the Department / University to meet their wards. This happens more often with the parents of women students.

#### **1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.**

Realizing the importance of the feedback from affiliated and maintained colleges/institutes, mandatory provisions exist in the university whereby members of such institutions do get opportunities to express their views on a wide spectrum of academic issues. The university bodies serve as effective platforms for exchange of views on all important issues on which there is adequate representation of faculty from affiliated institutions both on seniority and election basis.

Moreover, the faculty members of affiliated institutions are encouraged to give suggestions in writing about the course design / required changes in the individual subjects. These suggestions are put up by the Heads of various Teaching Departments (Ex-officio Chairpersons of Board of Studies) before the respective Board of Studies for their consideration.

#### **1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the curricula?**

During the last five years, the university has undertaken the following measures to give impetus to quality sustenance and enhancement:

1. Course curricula are regularly assessed by analyzing feedback received from industry, alumni, academia, and other stakeholders through formal and informal channels for qualitative improvements in the courses.
2. Curriculum development workshops are organized in order to seek suggestive inputs from the experts. The information so collected is debated in the concerned faculty meetings and subsequently approved by

the respective academic bodies. Care is taken to ensure that curricula design is in tune with the norms and standards recommended by the UGC/AICTE.

3. Some of the teaching departments like Commerce, English, Journalism, History, Music, Library and Information Science and IMSAR have updated and enriched their course curricula both at the UG/PG levels in keeping with the latest developments in their respective subjects. In fact, the university undertakes this exercise at regular intervals in all subjects, but more often in the case of professional courses/subjects. Revision of courses at the UG and PG level is taken up generally after every three to four years.
4. Mandatory presence of external members in research committees and UG/PG Boards of Studies ensures regular improvement, comparability, and quality enhancement in curriculum development and research.
5. The main thrust is on the expansion of academic horizon by introducing new courses/programmes with emphasis on job-oriented professional courses. Some of these programmes include Master of Tourism Management, Master of Hotel Management, Master of Pharmacy, MBA (International Business), M.Sc. (Food Technology), and M.Sc. (Medical Biotechnology), the last being an interdisciplinary one. The Department of Mathematics has started an inter-disciplinary course, namely, M. Sc. (Mathematics with Computer Science).
6. University Institute of Engineering and Technology (UIET) has been established as a constituent institute of the university with autonomous status. It offers B. Tech. courses in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Biotechnology, Electrical Engineering, and Civil Engineering. It also offers M.Tech. courses in Computer Science Engineering, Software Engineering, Mechanical Engineering, Biotechnology and Electronics and Communication Engineering.
7. Besides, a Diploma Course in French and a Certificate Course in Spanish are being offered by the English department. Add-On courses in Information Technology and Database Management, Web Designing and Office Automation, E-Commerce, and Hardware Maintenance and Computer Applications, are the new course highlights under Computer Science and Applications.
8. Increased number of courses and enhanced options within each course of study are allowed to facilitate easy incorporation of latest developments in various disciplines. For instance, the Department of Commerce has initiated a Master Course in Retail Management, and it has also launched a 5-Year Integrated Programme leading to M.Com (Hons.) degree. Similar initiatives have been taken by the departments of Economics, Chemistry, and Biotechnology, where either intake in the existing courses has been substantially increased or new courses have been offered in keeping with the market driven needs.
9. A specially directed thrust is visible in the course curricula of the selected programmes of study in as much as these refer to gender equality, population control, social justice, environment protection, inclusive growth, etc.

10. Semester system of examination has been introduced in all the departments, including all professional programmes.
11. One of the significant steps taken recently has been the introduction of internal assessment system in various PG courses in all academic streams (M.A./M.Sc./M.Com.). This was done with a view to facilitate continuous evaluation and constant involvement of students in the learning process. Under this system, 20% marks are earmarked for internal evaluation, its main components being presentation of term papers, class tests, and regularity in attendance.
12. The University has devised its own mechanism for assessment of teachers by the students to ensure commitment and sincerity among the teaching community. The system has already been in operation in some of the PG courses such as Biotechnology, Journalism, Chemistry, Commerce, etc. since long.
13. The University has also done a commendable work in the direction of developing linkages with outside academic/research bodies at national and international levels. Efforts in this direction include visits by the delegations from George Washington University (USA) and Montgomery College, Maryland (USA). Besides, the university has also signed MoUs with two Canadian Universities – Lakehead University, Thunderbay (Ontario) and Brock University, St. Catherine (Ontario).
14. In order to promote quality research, the University has been changing/revising the existing guidelines for admission to Ph.D. programmes from time to time. The latest endeavour is to bring them in line with the latest UGC guidelines.
15. The University emphasizes use of computers in teaching-learning processes. Accordingly, it has commissioned computerisation and internet facilities on large scale, with access on the entire campus.
16. To encourage foreign students, the University has made provision for 15 per cent supernumerary seats for them in each course of study, subject to the given admission rules and eligibility.
17. The University provides flexibility to students to move from one discipline to another after completing a course in one discipline, by allowing admission in any other course/discipline as a fresh candidate subject to his/her meeting the eligibility conditions for the desired new course.

**Any other information regarding Curricular Aspects which the university would like to include.**

**a). Introduction of Lecture Series:** The University has made rigorous efforts to boost the academic environment. A high-profile lecture series was introduced with the inaugural lecture by Prof. Deepak Jain, Dean Kellogg's Business School. Eminent Jurist Soli Sorabjee also delivered a lecture under this series. Prof. Sarup Singh Memorial Lecture Series was also launched in the Department of English with the first one delivered by Prof. Bhim S. Dahiya, former Vice-Chancellor of Kurukshetra University. In the lecture series on Ch. Ranbir Singh, Sh. Parnab Mukherjee, the then Finance Minister and Dr. Karan Singh have visited the university in 2010 and 2011, respectively, to present their views on high value issues.



**b). Internal Quality Assurance Cell:** As to quality sustenance and enhancement, the University has constituted and strengthened the working of Internal Quality Assurance Cell (IQAC). It has since been functioning as an effective nodal agency initiating and monitoring several important academic initiatives / programmes.

**c). Learning Resources and ICT Facilities:** The University has provided the latest technology-based teaching aids to the departments and e-journals to the Library. Importantly, every corner of the University has been provided Wi-Fi connectivity. Its scope of coverage is being expanded to cover all hostels for boys and girls, where its access was quite limited till date.

**d). Outreach to affiliated colleges:** To develop state-of-the-art infrastructure in respect of laboratories, ICT, and library facilities, and to foster quality culture in the affiliated institutions, efforts have been made to reach them. Inspection committees for the introduction of new courses and periodical inspections have been constituted to vouchsafe for feasibility of starting new courses of study. The scope of their recommendations has been enlarged to include suggesting measures for bringing about qualitative improvements and increasing the academic ambience in the affiliated colleges.

### PROGRAMMES WITH ELECTIVE OPTIONS

- 
1. Diploma in Food and Beverages Service Management, House Keeping Operation Management, Front Office Operations Management, and Food and Beverage Production Management
  2. Bachelor of Physical Education (B.P.Ed.)
  3. Bachelor of Technology in Electronics and Communication, Computer Science & Engineering, Mechanical Engineering, Biotechnology, Civil Engineering, and Electrical Engineering
  4. Bachelor of Pharmacy
  5. Bachelor of Law (3-Year, Hons.)
  6. Bachelor of Law (5-Year, Hons.)
  7. Bachelor of Tourism Management (B.T.M.)
  8. Bachelor of Hospitality Management (B.H.M.)
  9. P.G. Diplomas in Translation (Hindi) and Remote Sensing & GIS
  10. M.A.(Defence Studies, Economics, Education, English, Fine Arts, Geography, Hindi, Mass Communication, Music, Psychology, Public Administration, Sanskrit, Sociology, and History)
  11. Master of Visual Arts (Painting) (6-Year Integrated)
  12. Master of Commerce (M.Com.)
  13. M.Com.(Hons.) (5-Year Integrated)
  14. M.Pharma (Industrial Pharmacy, Drug Regulatory Affairs, Pharmaceutical Chemistry, Pharmacognosy and Pharmacology)
  15. M.Sc.(Biochemistry, Biotechnology, Microbial Biotechnology, Botany, Chemistry, Environmental Science, Clinical Biochemistry, Genetics, Mathematics with Computer Science, Statistics, Mathematics, Medical Biotechnology, Agricultural Biotechnology, Zoology, Physics, Food Technology, Microbiology, Forensic Science, and Genomics)
  16. M.Sc.(Mathematics) Hons. (5-Year Integrated)
  17. M.A. (Hons.) Economics, English, Public Administration, and Geography (5-Year Integrated)
  18. Master of Business Administration (General)
  19. Master of Business Administration (Business Economics 2-Year)
  20. Master of Business Administration (Hons., 2-Year) and MBA (Executive)
  21. Master of Business Administration (5-Year Integrated)
  22. Master of Hotel Management
  23. Master of Tourism Management
  24. M.Tech. (Software Engineering, Electronics & Communication, Mechanical Engineering, Computer Science & Engineering, Biotechnology, Computer Science, Engineering Physics, and Geoinformatics)
  25. Master of Computer Applications (3-Year)
  26. Master of Physical Education (M.P.Ed.)
  27. Master of Law (LL.M.)
  28. M.Phil. (Commerce, Economics, Education, English, Geography, Hindi, History, Mathematics, Political Science, Psychology, Public Administration, Sanskrit, Sociology, Statistics, Music, Mass Communication, Defence Studies, and Physical Education)
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**COURSES UNDER SELF-FINANCING SCHEME (SFS)**

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1. Bachelor of Hotel Management
  2. Bachelor of Tourism Management (3-Year)
  3. Bachelor of Education (B.P.Ed.)
  4. B.Tech. in Electronics and Communication
  5. B.Tech. in Computer Science and Engineering
  6. B.Tech. in Mechanical Engineering
  7. B.Tech. in Bio-Tech Engineering
  8. B.Tech. in Civil Engineering
  9. B.Tech. in Electrical Engineering
  10. Master of Hotel Management
  11. Master of Tourism Management
  12. Master of Business Administration (2-Year, Hons.)
  13. Master in Retail Management
  14. Master of Business Administration (Business Economics)
  15. M.Sc. (Mathematics with Computer Science)
  16. M.Tech. in Electronics and Communication
  17. M.Tech. in Computer Science and Engineering
  18. M.Tech. in Mechanical Engineering
  19. M.Tech. in Biotechnology Engineering
  20. M.Tech. in Software Engineering
  21. M.Tech. in Geo-informatics
  22. M.Phil. (Physical Education)
  23. Diploma in Food and Beverage Production Management (1-Year)
  24. Diploma in Food and Beverage Services Management (1-Year)
  25. Diploma in Housekeeping Operations Management (1-Year)
  26. Diploma in Front Office Operations Management (1-Year)
  27. Diploma in French (1-Year)
  28. Certificate Course in French
  29. Certificate Course in Spanish
- University Institute of Law and Management Studies, Sector-40, Gurgaon**
30. Bachelor of Law (5-Year)
  31. Master of Business Administration (Executive)
  32. Master of Business Administration (2-Year)
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## **CRITERION II**

### **TEACHING – LEARNING AND EVALUATION**



**Vivekananda Library**

## 2.1 STUDENT ENROLMENT AND PROFILE

### 2.1.1 How does the University ensure publicity and transparency in the admission process?

The University ensures wide publicity for admission to its courses of study by releasing admission notification in the leading national and state dailies. The admission notice is also posted on the University Website. The Information Brochure (IB) is printed well in advance, which contains all information related to admissions, eligibility, merit preparation, date of entrance test, date of counseling, etc. The IB can also be downloaded from the University Website. Transparency in admission process is ensured by displaying the results of entrance examinations, academic records, weightages, etc. of the applicants before counseling. Any complaint received from the students regarding admissions is attended to promptly and in all fairness.

### 2.1.2 Explain in detail the process of admission put in place by the University. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the University (please specify).

The university invites online applications for admission to all the UG and PG courses offered by university teaching departments. The criterion for admission to each course is determined by the demand and approved by the Academic Council every year. The merit list is prepared on a scale of 200 marks as under:

- a. Entrance Test 100 marks
- b. Academic Merit 100 marks (including weightage)

The Academic Merit is determined by adding the following weightages to the percentage of marks obtained by the candidate in the qualifying examination:

#### A. Weightage for admission to M.A./M.Sc./M.Com. including 5-year Integrated programmes/M.P.Ed./B.P.Ed. and Diploma Courses other than Diploma in Foreign Languages

- (i) Weightage to the candidates who have passed qualifying exam from any of the Universities in the State on reciprocal basis. 5 marks
- (ii) Weightage for NCC 'C' / 'G' Part-II Certificate, and Scouts and Guides decorated with the President's Award. 5 marks
- (iii) Weightage for NCC 'B' Certificate **OR** 3 marks  
Weightage for Certificate of Merit for NSS/MFLP awarded by the University/State Govt. **OR** 5 marks  
Weightage for securing 1<sup>st</sup> position at University Inter-Zonal/ Inter-University North-Zonal /National/ State/ Inter-State Youth Festivals in either individual or group items. 5 marks
- (iv) Weightage for securing Matric and/or 10+2 degrees as regular students from Schools/Colleges situated in rural area of Haryana. 5 marks

- (v) Weightage for donating blood atleast five times for social cause in a Govt./Govt. approved Blood Bank 5 marks
- (vi) Weightage for Hons. in the subject of P.G. course 10 marks
- (vii) Weightage for NIS Dip. in any game (for admission to M.P.Ed.) 5 marks
- (viii) Weightage to candidates having passed qualifying examination with Mathematics or Statistics as a main subject (for admission to M.A. Economics only) 5 marks
- (ix) Weightage to candidates having passed B.A/B.Sc. with Computer Science as an elective subject in addition to Mathematics (for admission to M.Sc. Maths with Computer Science) 5 marks
- (x) Weightage for M.A. (Psychology) (only for P.G. Dip. in Guidance& Counseling, and Psychology in Organizations) 5 marks
- (xi) Weightage to candidates having passed B.Sc. (Biotechnology) (for admission to M.Sc. (Bio-technology) only. This weightage is available for candidates admitted through Entrance Test conducted by this University. 5 marks
- (xii) Weightage to the sports candidates will be given on the following graded scale :

<b>Grade</b>	<b>Weightage</b>	<b>Grade</b>	<b>Weightage</b>	<b>Grade</b>	<b>Weightage</b>
A-1	5.0 marks	B-1	3.0 marks	C-1	2.0 marks
A-2	4.0 marks	B-2	2.5 marks	C-2	1.0 marks
				D	0.0 marks

Above weightage (s) shall be given subject to the following conditions:

- i. Total weightage will not exceed 10 marks (except for Honours candidates and admission to M.P.Ed. & B.P.Ed. courses) in any case. In case of Hons., it will not exceed 20 marks.
- ii. Sports weightage given under (xii) above will not be applicable for admissions to B.P.Ed. and M.P.Ed. However candidates seeking admission to these courses i.e. M.P.Ed. and B.P. Ed. will be given sports weightage as per criteria given under (F).
- iii. Academic merit of a candidate (including total weightage) will not exceed 100 Marks.
- iv. Overall merit will be determined by adding the academic merit to the score obtained by the candidate in the entrance examination plus weightage, if any.
- v. Only those candidates who have passed their Secondary Examination or Senior Secondary Examination (10+2) as regular students from schools/colleges situated in rural area of Haryana are entitled for the Rural Area Weightage. Such candidates must produce a certificate to this effect as per Appendix-G.
- vi. Candidates claiming sports weightage must submit certificate issued by the Director of Sports of the State concerned indicating grade. Certificate from any other officer will not be considered.
- vii. Candidates claiming blood donation weightage must submit certificate issued by the Red Cross Society /Official Blood Bank.

## **B. Weightage for admission to M.Phil. programmes**

- (i) Weightage for having passed the qualifying examination from M.D. University, Rohtak. 5 marks
- (ii) Rural area weightage 5 marks
- (iii) Weightage for donating blood at least five times for social cause 5 marks
- (iv) Weightage for securing 1<sup>st</sup> position at University Inter-Zonal/ Inter-University North Zonal/ National/ State/ Inter-State youth festivals in either individual or group items 5 marks
- (v) Weightage to the sports candidates will be given in the manner given under (A) above for participation in sports during the period of qualifying examination. 5 marks

## **C. Criteria and weightage for grant of University Research Scholarship**

- (i) The candidate must secure atleast 50% marks (45% for SC/ST candidates) in the Entrance Examination to be eligible for grant of University Research Scholarship.
- (ii) The Academic merit will be determined by adding the following weightages to the percentage of marks obtained in the qualifying examination :
  - (a) Weightage for Entrance Test 30%
  - (b) Weightage for Master Degree 30%
  - (c) Weightage for Bachelor Degree 10%
  - (d) Weightage for NET/SLET passed candidates 10 marks
  - (e) Weightage for M.Phil. candidates 05 marks
  - (f) Weightage for Pre-Ph.D. course 02 marks
  - (g) Weightage for research publications published per publication in refereed journals subject to a maximum of 10 marks
  - (h) Marks for Interview 15 marks

**Note: (i) The Candidates who apply for Pre-Ph.D. course work will have to exercise the option whether he/she would like to be considered for URS also or not.**

**(ii) Candidates who are exempted from Pre-Ph.D. course, and would like to be considered for Ph.D. registration can also compete for URS.**

## **D. Criteria and weightage for Admission to Pre-Ph.D. programme**

- (i) Admission to the pre-Ph.D. course shall be made through the Entrance Test.
- (ii) Entrance Test will be of 100 marks.
- (iii) The candidate must secure atleast 50% marks (45% for SC/ST candidates) to be eligible for admission to Pre-Ph.D. course.
- (iv) The following categories of candidates shall be exempted from the Entrance Test:
  - (a) JRF/NET (of UGC/CSIR)/ SLET/GATE/any other similar examination qualified candidates.
  - (b) Teacher Fellows and M.Phil degree holders.
  - (c) Regular teachers of universities and affiliated Colleges.

- (v) The maximum number of seats for pre-Ph.D. Course in each subject shall not normally exceed 10.
- (vi) Admission Committee will consist of the Head of the Department, two Professors, one Reader and one Lecturer by seniority and rotation. All members must satisfy eligibility conditions to be Ph.D. Supervisor.
- (vii) In case the number of applicants who qualify the Entrance Test alongwith the applicants who are exempted from Entrance Test is more than the number of seats for the course, then the merit list for admission to the Pre-Ph.D. course shall be prepared as under:
- |     |  |           |          |
|-----|--|-----------|----------|
| (a) | Weightage for Master degree examination                      |           | 30%      |
| (b) | Weightage for Bachelor degree examination                    |           | 10%      |
| (c) | Weightage for Entrance Test                                  | <b>OR</b> | 30%      |
|     | Weightage for JRF qualified candidates                       | <b>OR</b> | 30%      |
|     | Weightage for NET or its equivalent test such as GATE        | <b>OR</b> | 25 marks |
|     | Weightage for SLET (State Level Eligibility Tests)           | <b>OR</b> | 20 marks |
|     | Weightage for teaching experience                            |           | 2 marks  |
|     | for each year of teaching experience subject to a maximum of |           | 20 marks |
| (d) | Weightage for research publications published                |           | 2 marks  |
|     | per in referred journals Publication subject to a maximum of |           | 10 marks |
| (e) | Weightage for Master/ M.Phil degree obtained from MDU        |           | 5 marks  |
| (f) | Marks for Interview  |           | 15 marks |

**E. Weightage for admission to LLB (Hons.) 3-year and 5-year programmes**

Merit list will be prepared on the basis of marks obtained in the Entrance Examination (and not on the marks obtained in qualifying examination) by adding sports weightage, if any, in the manner given under ((A)(xii) above.

**F. Sports Weightage for admission to M.P.Ed. and B.P.Ed. programmes**

**a. M.P.Ed.**

For deciding the overall merit of the candidate, the following marks will be added to the marks obtained by the candidate in the qualifying examination and the Entrance Examination:

S. No.	Position	Marks
1.	Olympic Games/World championship	
i.	1 <sup>st</sup> / 2 <sup>nd</sup> / 3 <sup>rd</sup>	25
2.	Asian Games/Asian Championship/ Commonwealth Games	
i.	1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>	23
3.	SAARC Games/International Tournaments	
i.	1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>	20
4.	Test matches and other International Tournaments	
i.	Participation	17



5. National/All India Inter-State/ All India Inter-University Tournaments		
i.	1 <sup>st</sup>	15
ii.	2 <sup>nd</sup>	12
iii.	3 <sup>rd</sup> <b>OR</b>	10
National Zonal/Inter-State Zonal/ Inter- University Zonal Tournaments		
i.	1 <sup>st</sup>	10
ii.	2 <sup>nd</sup>	08
iii.	3 <sup>rd</sup>	06
6. Zonal Combined Universities/ Combined University		
i.	Played	05

**b. B.P.Ed.**

For deciding the total merit of the candidate, the following marks will be added to the marks obtained by the candidate in the qualifying examination:

S. No.	Position	Marks
1. Olympic Games/World Championship		
i.	1 <sup>st</sup> / 2 <sup>nd</sup> / 3 <sup>rd</sup>	25
2. Asian Games/Asian Championship/ Commonwealth Games		
i.	1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>	23
3. SAARC Games/International Tournaments		
i.	1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>	20
4. Test matches and other International Tournaments		
i.	Participation	17
5. National/All India Inter-State/ All India Inter-University Tournaments		
i.	1 <sup>st</sup>	15
ii.	2 <sup>nd</sup>	12
iii.	3 <sup>rd</sup> <b>OR</b>	10
National Zonal/Inter-State Zonal/ Inter- University Zonal Tournaments		
i.	1 <sup>st</sup>	10
ii.	2 <sup>nd</sup>	08
iii.	3 <sup>rd</sup>	07
6. Zonal Combined Universities		
i.	Played	06
7. National Tournaments		
i.	Participation	05
8. State Tournaments		
i.	1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup>	05

**Note:** Only highest weightage will be counted out of above categories.

**G. Merit list for admission to MBA 2 & 5-year programmes and programmes offered by Institute of Hotel & Tourism Management shall be prepared as under:**

S. No.	Name of the Programme	Qualifying Exam./ Entrance Test	Group Discussion	Interview
1	MBA 2-year	80%	10 marks	10 marks
2	MBA 5-Year	70%	20 marks	10 marks
3	Master of Hotel Mgt./ Master of Tourism Mgt./ Bachelor of Hotel Mgt./ Bachelor of Tourism Mgt./ all Dip. Courses offered in IHTM	70%	20 marks	10 marks

**2.1.3 Provide details of admission process in the affiliated colleges and the University's role in monitoring the same.**

Every year, the University issues Admission Brochure for affiliated colleges. The Brochure provides information about the admission schedule, courses offered by the affiliated colleges, eligibility conditions for admission, general rules for admission, reservation policy, etc. The colleges/ institutions are required to make admissions as per rules/ guidelines given in the admission brochure. Admissions to professional courses except Law and B.Ed./M.Ed. are made through State Agency, namely, Haryana State Counselling Society, Panchkula. Admissions to Law and B.Ed./M.Ed. courses are made by the University on the basis of Entrance Test and merit in the qualifying examinations, respectfully.

**2.1.4 Does the University have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?**

Information/Admission Brochures containing the guidelines for admissions to various courses offered by university teaching departments and affiliated colleges are issued annually well in time. The admission process is reviewed periodically based upon the past year's experience and feedback that are discussed threadbare by the central admission committee of the University. The recommendations of the committee are further deliberated in the Academic Council before taking any policy decisions. It is a continuous process and has contributed a lot in evolving an objective and transparent system of admission.

**2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories:**

- \* SC/ST
- \* OBC
- \* Women
- \* Persons with varied disabilities
- \* Economically weaker sections

\* Outstanding achievers in sports and other extracurricular activities

The strategies adopted to increase / improve access for students belonging to the different categories are as follows:

**a). Disadvantaged Community (SC/ST and OBC):** The University strictly adheres to reservation policy laid down by the state government with a view to bring persons from the disadvantaged categories into the mainstream. Seats are reserved as per Haryana Govt. directives - 20% for SC/ST, 16% for BC(A), and 11% for BC(B) category students. In addition, the IB is also sold to disadvantaged category students at 1/4<sup>th</sup> of its usual price. The University passed the benefit of about Rs.35.56 lac to the students of these categories on account of sale of Information Brochure at concessional rates during 2010-11. Similarly, these students are provided tuition fee concession of about Rs.50.00 lac every year.

**b). Women:** The University takes care to provide equal opportunities to women students. During the academic session 2012-13, 2000 girls have been provided accommodation in seven Girls Hostels. Two more Hostels, each with a capacity of 240 residents, are going to be commissioned shortly.

**c). Differently-abled students:** The University provides 3% reservation for differently-abled students in each department. Financial assistance in the form of concession in tuition fee and payment of scholarships is also given to them. There is a special cell created to help such students. New buildings have special provisions for the physically challenged students for moving around. A scheme 'Samarth' has also been launched to provide financial assistance to such students.

**d). Economically weaker sections of the Society:** Economically weaker sections of the society are helped by giving fee concession and award of scholarships. During the academic session 2010-11, University provided financial help to the students of economically weaker sections of the society by using the following funds/concessions:

<b>Funds</b>	<b>No. of Students</b>	<b>Amount (Rs.) 2010-11</b>
Endowment fund	12	1,28,400/-
Scholarship(Institutional)	176	1,63,260/-
Scholarship (Govt.)	950	75,17,252/-
<b>Total</b>	<b>1138</b>	<b>78,08,912/-</b>

**e). Outstanding achievers in sports and other extracurricular activities:** With a view to encourage sports, the University has reserved 01 seat against an intake of 30, and 02 seats if the intake exceeds 30 for outstanding sportspersons in each department. Weightage to sportspersons is also given for admission under the general category. Reference is invited to Section 2.1.4 for weightages to the sports person.

### **2.1.6 Number of students admitted in University departments in the last four academic years:**

Category-wise details of admissions made during the last four years to various

courses are given below:

Categories	2008-09		2009-10		2010-11		2011-12	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	407	253	492	283	491	358	542	388
ST	0	0	0	0	0	0	0	0
BC	370	369	420	435	554	640	629	778
General	1035	1239	1154	1434	142	1736	1401	1886
Others	11	16	15	14	16	15	14	18

**2.1.7 Has the University conducted any analysis of demand ratio for the various programmes of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.**

Programmes	2008-09			2009-10			2010-11			2011-12		
	No. Applied	No. Admitted	Demand Ration	No. Applied	No. Admitted	Demand Ration	No. Applied	No. Admitted	Demand Ration	No. Applied	No. Admitted	Demand Ration
UG	1891	416	4.55	2179	416	5.24	2208	430	5.14	2331	531	4.4
PG	8637	1389	6.22	9339	1651	5.66	11261	2255	5.00	13607	2830	4.8
Inte'ed PG	735	105	7	705	172	4.1	751	281	2.67	718	360	2
M. Phil.	1713	224	7.65	1441	217	6.64	4383	248	17.7	3523	316	11.1
Ph.D.	265	151	1.75	405	98	4.12	757	179	4.23	775	274	2.8
Inte'ed Ph.D.	25	10	2.5	25	10	2.5	25	10	2.5	25	10	2.5
Certificate	145	76	1.31	189	96	1.97	143	71	2	158	72	2.2
Diploma	15	10	1.5	25	22	1.14	18	17	1.05	27	26	1.04
PG Diploma	101	55	1.84	75	51	1.47	86	44	1.95	113	47	2.4
Any other (please specify)	Nil											

A look at the above data reveals the following:

- (i) Demand Ratio (DR) exhibits on increase for UG courses, and a decline for PG courses.
- (ii) There is visible increase in DR for M. Phil. and decline for Ph.D. courses. Elsewhere, no consistent trend is visible.

The increase or decrease DR is, perhaps, owed to job opportunities.

**2.1.8 Were any programmes discontinued / staggered by the University in the last four years? If yes, please specify the reasons.**

Only three courses were staggered in the last four years because of receipt of applications less than 1/3<sup>rd</sup> of the sanctioned seats as the courses were launched late.

**2.2 CATERING TO DIVERSE NEEDS OF STUDENTS**

**2.2.1 Does the University organize orientation / induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.**

Organisation of half-a-day's session for the orientation/ induction of the freshers in the beginning of the academic session for their interaction with their seniors and the faculty and other staff of the department is a general policy of the university. During the orientation programmes, the following issues are addressed to make the freshers feel at home:

- i) The freshers are introduced to the faculty and other staff of the department.
- ii) They are told as to who should be contacted for what purpose.
- iii) They are apprised of the library facilities such as timings, services and their privileges.
- iv) They are posted with the student welfare schemes such as scholarships, financial assistance, earn-while-you learn scheme, etc. the benefit of which they can harvest to mitigate their financial needs.
- v) They are informed about the co-curricular and extra-curricular activities in which they can involve themselves to display and sharpen their talent.
- vi) They are provided information about the sports facilities available in the university.
- vii) They are enlightened about the administrative structure of the university.
- viii) They are briefed about the medical facilities which they can avail of.
- ix) They are particularly made aware of the anti-ragging rules, rules against harassment of women, and how to conduct during their stay in the university.

The freshers are addressed during the orientation programme not only by the faculty of the department, but by the experts drawn from other areas as well such as library, DSW office, Dean, Youth Welfare, university hospital, and administration. This is necessitated by the urge of the university to adapt the freshers to the new environ.

**2.2.2 Does the University have a mechanism through which the “differential requirements of the student population” are analysed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?**

In the beginning of each academic session, the faculty members do make efforts to identify the slow learners. They are given personal attention both in class

lectures and practicals. Special classes are also held to help the slow learners. This provides an excellent platform to understand and solve individual problems of such students. However, no formal mechanism has been devised for the purpose.

**2.2.3 Does the University offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?**

Various remedial courses are conducted free of cost by the University Centre for Competitive Examinations, particularly for SC/ST and other disadvantaged students. The courses are need-based and adjusted into the time table by means of holding extra classes on weekends/holidays.

**2.2.4 Has the University conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?**

The University ensures that the students of disadvantaged categories get equal and every benefit at each step so that they get at par with other students, particularly in terms of academic growth. University also implements various reservation policies and other schemes of the government without even an iota of deviation. In addition, liberal assistance in the form of scholarships, and other financial aid from various endowment funds are provided to such students.

The University Centre for Competitive Examinations (UCCE) on the campus provides exhaustive coaching and counseling facilities to different disadvantaged students for various competitive examinations like DES, PMT, AIEEE, NDA, CDS, NET, etc.

The University also has a full-fledged independent cell for the welfare of SC/ST students. This cell is responsible for safeguarding and monitoring the interests of these students and implement various welfare programmes as per central/state govt. directions.

**2.2.5 How does the University identify and respond to the learning needs of advanced learners?**

Advanced learners are encouraged to undertake various higher level academic development programmes. These are more in the form of summer training, industrial training, etc. Such students are also sent to various research laboratories and reputed industrial units to imbibe new techniques and to carry out dissertation work in the actual work settings.

In addition, extension lectures and workshops are arranged to make these students familiar with recent advancements in the concerned subjects. Quiz programmes are also arranged to enhance their general knowledge. Efforts are made by the faculty to judge the potential of such students and they are made aware of various career opportunities in keeping with their career strengths.

## **2.3 TEACHING-LEARNING PROCESS**

### **2.3.1 How does the University plan and organise the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?**

The academic calendar is prepared every year before the commencement of the academic session giving teaching-learning and evaluation schedules. The schedule of admissions, teaching semesters, examination schedule, etc. are clearly defined in the Academic Calendar and strictly adhered to. In addition, it also gives information about academic tours, seminars, guest lectures, and other activities of each department. The Calendar is made available to students, teachers and other concerned officials in the beginning of the session for compliance and implementation and the same are also put on the website. At the department level, individual faculty members are encouraged to formulate teaching plan, arrangement of resource material, etc. as per IQAC guidelines. Evaluation is done through unit tests, seminars, viva-voce, assignments, and semester examinations.

### **2.3.2 Does the University provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?**

Yes, the course outlines and course schedules are provided prior to the commencement of the academic session. The course schedule is prepared by individual faculty members keeping in view the implementation of academic calendar schedule. The process of implementation is controlled individually. In case of any difficulty, the matter is discussed and resolved at the departmental level.

### **2.3.3 Does the University face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.**

The curricula for different courses are completed well within specified time under normal circumstances. As per previous experience, various schedules are met as per the academic calendar. However, in exceptional situations, if there is any problem in meeting the stipulated time frame, the matter is resolved at the departmental level by initiating extra measures and initiatives. It is pertinent to mention that during the last five years, there has been no problem in implementing the academic calendar.

### **2.3.4 How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.**

Presentation of seminars, writing of assignments and dissertation in some courses are compulsory at the post-graduate level as a part of their course requirement. Performance in seminars gives an excellent opportunity to students to improve upon the knowledge level and is evaluated rigorously by the faculty. Technical

ests, declamation contests, debates, quizzes, etc. are arranged and organized mostly by the students themselves so that student-centered learning exercises are developed in each department. The students are encouraged to visit library to inculcate in them the lifelong self-learning habit.

In addition, almost all departments have subject-specific societies wherein students hold the posts of office bearers. Various functions organized by these societies help contribute a great deal for the development self-management qualities and skill promotion.

### **2.3.5 What is the University's policy on inviting experts / people of eminence to deliver lectures and/or organize seminars for students?**

The University encourages inviting experts / persons of eminence to deliver lectures and/or hold seminars. For this purpose, a separate budget provision is made for each department. Various details to this effect are provided in the academic calendar. Invited/distinguished lectures are also arranged in interdisciplinary fields so as to keep students abreast with the latest developments. Students are encouraged to attend seminars, conferences, and workshops arranged by various other departments.

### **2.3.6 Does the University formally encourage blended learning by using e-learning resources?**

The blending of classroom teaching with learning by using e-resources is an essential component of the modern teaching-learning process. In pursuit of this requirement, all the faculty members have been provided with PCs/desktops with intercom and internet facility right in their sitting rooms. Computer labs have been set up/upgraded in almost all the departments in the last few years. Internet facility is also available to students for on-line exposure to the latest developments in the related subjects. Both the teacher and the taught have been provided access to 6049 e-resources and five databases across the campus so that they may keep themselves abreast of the latest developments in their respective fields.

### **2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?**

A variety of modern teaching-learning aids are used for classroom teaching in almost all teaching departments. LCD Projectors, Interactive boards, e-podiums with panel, and computers are actively used to prepare and deliver classroom lectures. Internet facility is also available to students for on-line exposure to the latest developments in the related subjects. For more details reference is invited to Section 4.2 and its sub-sections.

### **2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the University's educational processes?**

There is no formal mechanism in the University in this regard. However,



individual teachers on their own maintain constant interaction with peers and their knowledge base update. The same is then integrated at different levels in the teaching and research processes.

### **2.3.9 What steps has the University taken to convert traditional classrooms into 24x7 learning places?**

The university has taken the following initiatives to convert traditional classroom into 24x7 learning places:

- i) Internet labs have been established in the library and other departments for use by the students.
- ii) IP-based access have been provided to the students to 6049 e-journals, 05 databases, library portal for aggregating access to open sources e-resources, etc.
- iii) Internet connectivity including Wi-Fi facility has been provided in research scholars' hostel. It is going to be extended to other hostel by December 2012.
- iv) State-of-the-art datacenter is going to be established at a cost of Rs.190 lac by the end of December 2012. e-learning material including lectures delivered in the classroom is planned to be uploaded on servers for 24x7 access to the students.

### **2.3.10 Is there a provision for the services of counsellors / mentors / advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.**

A University level Career Counseling and Guidance Cell has been established which functions under the convenorship of a Professor. Also, a similar counseling and guidance cell is established at the departmental level under the respective teacher incharges to guide the students. The faculty members are always readily available to students to guide them in their academic pursuits and help to solve their personal problems. Teachers also counsel the students on their career opportunities and try to make them aware of their strengths and shortcomings from time to time. In addition, the offices of Dean, Students Welfare, and Dean, Academic Affairs and Director (Research) also provide the needed help and guidance to students in resolving their problems.

### **2.3.11 Were any innovative teaching approaches / methods / practices adopted / put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?**

In addition to classroom teaching, various alternate learning methods are employed for dissemination of knowledge depending on the nature of the subject and the topic to be discussed. In the science laboratories, most of the experiments are planned and conducted in an open-ended manner so as to facilitate easy

understanding of the basics of the subject. Some science departments like Biotechnology, Engineering, Medical Biotechnology, Bioinformatics, Computer Science and Applications, Pharmacy, etc. have incorporated compulsory industrial training / projects of 2-6 months as a part of regular course curriculum in order to enable the students to have first-hand experience of technical work skills.

In other subjects like Botany, Zoology, Law, Psychology, Geography, History, etc., field work constitutes an essential ingredient of learning. Apart from these methods, educational tours at University / Departmental level, participation in conferences, seminars, workshops, declamation contests, quiz programmes, debates, and essay-writing competitions, etc. are organized on regular basis. Students are encouraged to attend the seminars, conferences, and workshops arranged by various other departments. Experimental learning forms an important component of the course in some subjects.

Internet facility is available to students round-the-clock for on-line exposure to the latest developments in the related subjects. Seminars, group discussions, industrial training, and field work, etc. are initiated and organized by the students on their own initiative to make them more involved in academic activities and learn by doing.

### **2.3.12 How does the University create a culture of instilling and nurturing creativity and scientific temper among the learners?**

The students have unbridled access to the Internet Lab in the library, and computer labs in their respective departments for data collection, information gathering, data analysis, preparation of research papers, preparation of PowerPoint presentations in seminars/conferences, etc. They also get opportunity to tweet and interact with peers in their respective areas of interest.

The students have been provided access to 6049 e-journals, 5 databases and other library resources through Intranet over the entire campus.

Teachers are encouraged to attend seminars, symposia, and conferences etc. held outside to improve and enrich their academic achievements and are provided the necessary financial assistance.

Several new and sophisticated equipments have been added in the research and teaching labs in keeping with the recent advancements.

### **2.3.13 Does the University consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?**

- \* Number of projects executed within the University
- \* Names of external institutions associated with the University for student project work
- \* Role of faculty in facilitating such projects

Some science departments like Biotechnology, Medical Biotechnology, Bioinformatics, Microbiology, Engineering, Computer Science and Applications,

Pharmacy, etc. have incorporated compulsory industrial training/ projects of 2-6 month duration as a part of regular course curriculum for providing first-hand work experience to the students and to enable them to acquire the needed technical skills. About 50% departments have incorporated such projects/dissertation work in their curricula. In other subjects like Botany, Zoology, Law, Psychology, Geography, History, etc., field work constitutes another component of learning work skills. A number of external institutions like, Pt. BDS University of Health Sciences, Rohtak, NIMR, AIIMS, IGIB and JNU etc. have been involved in the process of execution of such learning skills. The faculty members play an active role in facilitating, guiding, and supervising the process of doing the project work.

**2.3.14 Does the University have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?**

Yes, the University has a well-qualified pool of human resource to meet the curriculum delivery requirements. The university has 86 Professors, 137 Associate Professors, and 196 Assistant Professors on its teaching faculty. In addition Lab Technicians, Technical Assistants, and other lab staff have been engaged for facilitating proper execution of lab work.

**2.3.15 How are the faculty enabled to prepare computer-aided teaching/ learning materials? What are the facilities available in the University for such efforts?**

The University encourages all teaching departments for adopting the use of Information Communication Technology (ICT) for teaching as a part of common teaching strategy. The entire faculty has been provided with PCs/desktops with internet facility and IP-based intercom right at their tables. For details of learning materials, reference is invited to Section 4.2 and its sub-sections.

**2.3.16 Does the University have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?**

Yes, the university has a mechanism for evaluation of teachers by students/alumni the feedback is obtained at the end of each semester by distributing a pre-designed proforma as given in Section 6.2.7. The feedback obtained from students is discussed and analyzed by the Departmental Committees and the corrective measures are recommended/ taken based thereon. In addition, Alumni Associations at the departmental and university levels have been actively involved in furthering the academic cause of the university, its faculty and students.

## **2.4 TEACHER QUALITY**

**2.4.1 How does the University plan and manage its human resources to meet the changing requirements of the curriculum?**

At present, the University has faculty strength of 419. About 53 positions are currently lying vacant. Any such number of vacant positions remaining vacant is a natural phenomena due to retirements, which have been more frequent these

years. Efforts are on to fill up all the sanctioned posts for which advertisements have already been floated in the leading national newspapers, and screening accomplished in for interview in some cases.

#### 2.4.2 Furnish details of the faculty

The required details are given in the following table:

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
D.Sc./D.Litt.							
Ph.D.	58	25	62	54	43	43	285
M.Phil.	-	-	7	3	4	5	19
PG	-	-	1	3	19	16	39
<b>Regular teachers under SFS</b>							
Ph.D.	3	-	6	1	9	5	24
M.Phil.	-	-	-	-	23	9	32
PG	-	-	-	-	14	6	20
Part-time teachers : NIL							

#### 2.4.3 Does the University encourage diversity in its faculty recruitment? Provide the following details (department / school-wise).

Owing to several reasons known in academics, inter-state mobility has become extremely restricted. However, the position is as under:

Sr. No.	Department	% faculty from the same University	% faculty from other Universities within the same State	% faculty from Universities outside the state	% faculty from other countries
1.	Biochemistry	20	40	40	-
2.	Botany	33.3	33.3	33.3	-
3.	Centre for Bioinformatics	-	-	50	50*
4.	Centre for Biotechnology	40	40	20	-
5.	Centre for Medical Biotechnology	50	50	-	-
6.	Chemistry	68.4	10.5	15.7	5.2*
7.	Commerce	61.1	16.6	22.2	-
8.	Comp. Science & Applications	50	12.5	37.5	-
9.	Defence & Strategic Studies	-	-	100	-
10.	UCCE	100	-	-	-
11.	Economics	54.5	18.1	18.1	9*
12.	Education	50	40	10	-
13.	English	50	42.8	7.1	-
14.	Environmental Science	57.1	28.5	14.2	-
15.	Food Technology	-	100	-	-
16.	Genetics	55.5	-	44.4	-
17.	Geography	16.6	41.6	41.6	-

Sr. No.	Department	% faculty from the same University	% faculty from other Universities within the same State	% faculty from Universities outside the state	% faculty from other countries
18.	Hindi	66.6	-	33.3	-
19.	History	28.5	28.5	42.8	-
20.	IMSAR (Management Sc.)	63.6	18.1	18.1	-
21.	Journalism & Mass Comm.	25	-	75	-
22.	Law	100	-	-	-
23.	Library & Inf. Science	-	25	75	-
24.	Mathematics	83.3	8.3	8.3	-
25.	Microbiology	-	25	75	-
26.	Music	-	50	50	-
27.	Pharma. Sciences	5.88	17.6	76.4	-
28.	Physical Education	20	80	-	-
29.	Physics	50	8.33	41.6	-
30.	Political Science	66.6	33.3	-	-
31.	Psychology	37.5	31.25	31.25	-
32.	Public Admn.	100	-	-	-
33.	Sanskrit	66.6	-	33.3	-
34.	Sociology	28.5	28.5	42.8	-
35.	Statistics	60	20	20	-
36.	Visual Arts	16.6	33.3	50	-
37.	Zoology	50	16.6	33.3	-

\* Degree obtained from foreign universities.

#### PGRC, Rewari

Sr. No.	Department	% faculty from the same University	% faculty from other Universities within the same State	% faculty from Universities outside the state	% faculty from other countries
1.	Commerce	84.6	15.3	-	-
2.	Comp. Sc. & Applications	100	-	1	-
3.	Economics	75	-	25	-
4.	English	50	25	25	-
5.	History	25	-	75	-
6.	Mathematics	100	-	-	-
7.	Physical Education	-	100	-	-

#### S.F.S Institutes

1.	Business Eco. IMSAR	50	50	-	-
2.	IHTM	66.6	16.6	16.6	-
3.	UIET	36.5	48	15.3	1.92*
4.	UILMS (Gurgaon)	57.1	23.07	23.07	-

\* Degree obtained from foreign universities.

**2.4.4 How does the University ensure those qualified faculties are appointed for new programmes / emerging areas of study (Bio-technology, Bio-informatics, Material Science, Nanotechnology, Comparative Media**

**Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?**

The vacant faculty positions are given wide publicity through advertisement in leading national dailies. The same is also put on the university website. Selections are made strictly in accordance with UGC/AICTE qualifications by Selection Committees, constituted as per guidelines prescribed by these national bodies. A statutorily constituted Screening Committee ensures that the applicants invited for interview have the necessary qualifications, and possess the required specialization, if any. The experts invited as experts on selection committees are from the newly emerging areas of study in the subject concerned. A total of about 65 faculty members have been appointed in the newly emerging areas during last four years.

**2.4.5 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the University?**

Thirteen (13) Emeritus / Adjunct Faculty / Visiting Professors of different disciplines are on the rolls of the University. The list of such teachers **shall be made available to the Peer Team during the ‘On-site visit’ as Annexure 2.1.**

**2.4.6 What policies/systems are in place to academically recharge and rejuvenate teachers (e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)?**

Faculty members are encouraged to apply for visiting professorship and research fellowships under cultural exchange programme or otherwise. There is a provision in the University Act for various types of leaves for such assignments – 03 years study leave with pay, 03 years study leave without pay, and 01 year sabbatical leave at a stretch subject to a maximum of 03 years with 05 years of cooling period after every opportunity. The faculty is also entitled for 30 days duty/ 12 days academic leave in a year for attending national and international conferences, symposia, and seminars to enhance their academic vision. The Principal Investigator is authorized to do purchasing upto 5 lac and spend on day-to-day purchase upto 10,000/-. The University also provides grants to departments for holding national / international conferences / workshops / seminars. In addition, teachers are also provided financial assistance upto Rs.20,000/- out of Dr. Radhakrishnan Foundation Fund for carrying out minor projects of local importance.

**2.4.7 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?**

Twenty one (21) faculty members have received awards / recognitions for excellence in teaching / research at the state, national and international level, during the last four years. The list of such teachers **shall be made available to the Peer Team during the ‘On-site visit’ as Annexure-2.2.**

#### **2.4.8 How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?**

The brief information of the faculty who have undergone various staff development programmes are given below. The detailed information **shall be made available to the Peer Team during the ‘On-site visit’ as Annexure 2.3.**

<b>Academic Staff Development Programme</b>	<b>No. of Faculty</b>
Refresher Courses	123
HRD Programmes	30
Orientation Programmes	157
Staff Training conducted by the University	20
Staff Training conducted by other institutions	49
Summer/Winter Schools, Workshops, etc.	170

#### **2.4.9 What percentage of faculty have**

- \* been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies?
- \* participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies?
- \* presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies?
- \* teaching experience in other universities / national institutions and other institutions?
- \* industrial engagement?
- \* international experience in teaching?

About 44.83% of the faculty have served as resource persons in workshops/ conferences/seminars during the last five years.

About 81 % participated and presented their research work in different national and international workshops/seminars/conferences.

About 81% of the faculty members presented papers in workshops / seminars / conferences conducted or recognized by professional bodies.

Nearly 20% of the faculty have teaching experience in other universities / national institutions and other institutions.

About 3% of the faculty members have industrial engagement.

Nearly 1% of the faculty members have international experience in teaching.

#### **2.4.10 How often does the University organize academic development programmes (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?**

Various teaching departments organize academic development programmes

(curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) from time to time as per requirement. This exercise is undertaken atleast once in three years, generally with focus on enriching the teaching-learning process.

#### **2.4.11 Does the University have a mechanism to encourage**

- \* **Mobility of faculty between universities for teaching?**
- \* **Faculty exchange programmes with national and international bodies?**

**If yes, how have these schemes helped in enriching the quality of the faculty?**

The University follows the guidelines laid down by the UGC from time to time for this purpose. In addition, the University has entered into MoUs with several Universities /Academic Institutions/Industries, containing provisions for mutual faculty visits, and student exchange as well. Some of the faculty members have worked out arrangements for collaborative research work in national/international laboratories in their individual capacity.

#### **2.5.1 EVALUATION PROCESS AND REFORMS**

##### **2.5.2 How does the University ensure that all the stakeholders are aware of the evaluation processes that are operative?**

The scheme of examination and the syllabi in each subject is printed by the University and a copy thereof is supplied to each department. The same is also made available for sale. The scheme of marks for internal assessment, assignments, and seminars as approved by various University bodies is also made available to all departments. It is widely circulated among the teachers and students. Syllabi for various courses are also uploaded on the University website for ready reference by the stakeholders. A uniform system for evaluation is followed in all the subjects.

##### **2.5.3 What are the important examination reforms initiated by the University and to what extent have they been implemented in the University departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system.**

In the recent past, the University has initiated various reforms in the examination system. Common Ordinance for 2-year, 3-year and 5-year Courses have been approved, superseding existing separate Ordinances for each course. Rules for promotion to higher semesters have been simplified and made common for different courses. Pass marks and grace marks rules have also been made more student-friendly and simpler.

The University has provided partial autonomy to departments for paper-setting and evaluation in order that results are declared in time.

In addition, the University has undertaken the computerization of examination-related works on massive scale. Soon enough, we will have a fully automated examination with extension of this facility to all affiliated colleges. We have also



fully computerized system for Entrance Examinations. Admissions too have been made on line with affect from 2012-13. The university is seriously pondering over getting question bank prepared in different courses for turning over to Multiple Choice Question System.

**2.5.4 What is the average time taken by the University for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode / media adopted by the University for publication of examination results (e.g. website, SMS, email, etc.).**

On an average, the results are declared within 1½ months from the dates of examination. Odd semester results are declared by the middle of February, while those of even semester by the middle of July. This became possible due to automation of examination related works. The results are posted on university website. Attempts are being made to send this information to the students through SMS and e-mail. Likewise Entrance Examinations have been automated. Their results are declared, posted on website and information sent to candidates by SMS within seven days from the date of examination.

**2.5.5 How does the University ensure transparency in the evaluation process? What are the rigorous features introduced by the University to ensure confidentiality?**

In University Teaching Departments, all HODs have, in consultation with Departmental Committees, been empowered to get the question papers set, conduct examinations, and get the answer books evaluated. The ultimate aim is to shift all responsibilities of teaching and evaluation of a given course to the teacher who teaches it. For undergraduate courses, central spot-evaluation method is being followed. In the case of those doing post-graduate courses through distance mode, out-door evaluation continues to be in vogue.

Some major reforms in evaluation have been introduced during last four years. For various courses offered in the UTDs, semester system with continuous evaluation has been introduced. For under-graduate courses, a centralized evaluation system has been preferred for expeditious evaluation and declaration of results. If a candidate is not satisfied with evaluation, provision for inspection, re-checking, and re-evaluation of the answer book is in vogue.

Question papers are normally required to be divided into four units spread over the whole syllabus. Two questions are set from each unit and the candidate is expected to attempt one out of the two in each unit. The fifth unit contains a compulsory question covering the entire syllabus. In some courses, it is of objective type.

The internal assessment evaluation is completely transparent. Students can see their answer scripts and marks obtained. However, evaluation for the final written examination is kept confidential till the declaration of result. In case any student is not satisfied with evaluation, he/she is allowed to see the answer book and can get it re-evaluated.

**2.5.6 Does the University have an integrated examination platform for the following processes?**

- \* **Pre-examination processes – Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.**
- \* **Examination process–Examination material management, logistics, etc.**
- \* **Post-examination process – Attendance capture, OMR-based exam result, auto processing, generic result processing, certification, etc.**

The university makes an elaborate arrangement and follows meticulously devised procedures for pre- and post-examination process to ensure smooth conduct of examinations. To address all these challenges, the examination system has been computerised. All details of a student, received through online system, are used all through the conduct of examinations, compilation of results, and issue of Degrees/ DMCs. All kinds of fees are received through online payment gateway. However, appointment of staff for examination duties is done manually by the office of the Controller of Examinations.

**2.5.7 Has the University introduced any reforms in its Ph.D. evaluation process?**

Ph.D. theses are got evaluated as per traditional system from two external examiners appointed by the Vice-Chancellor. However, annual seminars, six monthly progress reports, publication of one research paper in peer reviewed journals before thesis submission, viva-voce, etc. are some of the steps which constitute the process of Ph.D. thesis evaluation. As laid down by the UGC, each student desirous of doing Ph.D. has to undergo a 6-month duration pre-Ph.D. course work.

**2.5.8 Has the University created any provision for including the name of the college in the degree certificate?**

The name of College is indicated in the degrees in respect of the regular students.

**2.5.9 What is the mechanism for redressal of grievances with reference to examinations?**

For attending to students' grievances regarding evaluation, there is a provision for rechecking and/ or reevaluation of answer books. There also exists a system of first-hand inspection of the answer books by the candidates. The university has nominated a staff to receive the complaints. In case of any complaint regarding the question paper, a formal representation is required to be made to the Controller of Examinations. The Complaint Committees, constituted by the Chairman of Board of Studies of the concerned subjects, examine and resolve such complaints. Necessary relief, wherever justified, is given in accordance with prescribed rules in the matter.

**2.5.10 What efforts have been made by the University to streamline the operations at the Office of the Controller of Examinations? Mention**

**any significant efforts which have improved the process and functioning of the examination division/section.**

There are seven Examination Branches working under the Controller of Examinations. Full coordination is ensured among these Branches in all matters right from the pre-examination process to the completion of post-examination process. Regular meetings are held in the office of the Controller of Examinations to discuss issues that arise from time to time and corrective future course of action initiated/taken. All Branches work in close coordination with each other. Above all, examination system has been automated providing great relief to the students and the administration alike.

**2.6. STUDENT PERFORMANCE AND LEARNING OUTCOMES**

**2.6.1 Has the University articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?**

The graduate attributes include, but go beyond, the disciplinary expertise or technical knowledge that has traditionally formed the core of most University courses. They are qualities that also prepare graduates as agents for social good in an unknown future. Inculcation of such qualities, skills and understandings among its graduates during their sojourn in institution, is realized as manifestation of vision, mission and quality policy adopted by the University.

**2.6.2 Does the University have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?**

The University takes special care to introduce the latest developments in any subject curricula on a continual basis, which, in turn, is always in consonance with the goals of national development. To keep pace with the latest developments, the University has made information technology an integral part of the teaching-learning strategies. Computers, digital/LCD projectors, and other electronic gadgetry have been made available in all the teaching departments. The University has also provided computers/ laptops with internet connection to each faculty member on his desk. The online learning resources have made available in all teaching departments through local area network to enable the teachers to keep themselves abreast with the latest developments in their respective areas of interest.

**2.6.3 How are the University's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?**

The course contents of all academic programmes are regularly updated. The modifications are made from time to time to incorporate the latest developments so as to help students prepare for national tests like NET, GATE etc. In the semester system, a compulsory component of internal assessment based on sessional tests, assignments, seminars, etc. has been introduced. To ensure better and continuous participation of students, 20% weightage has been given to internal assessment. A good number of open-ended innovative experiments have

also been set up in science laboratories to explain the basics of the subject. The viva-voce examination is an integral part of practical examinations to judge overall knowledge acquired by the students in their subject.

**2.6.4 How does the University collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?**

The feedback on various components of teaching and evaluation is taken from the students to improve the quality of teaching-learning processes. The feedback so obtained is analyzed at the departmental/University level as per guidelines of the IQAC and findings implemented to improve teaching-learning process and over the barriers to learning.

**2.6.5 What are the new technologies deployed by the University in enhancing student learning and evaluation and how does it seek to meet fresh / future challenges?**

This information has been provided at several places in this report. Reference is invited to Section 4.3.6 of this report. Besides, the science labs have been equipped with latest equipments. For details, reference is invited to Section 3.3.1.

**Any other information regarding Teaching, Learning and Evaluation which the University would like to include.**

## CRITERION III

### RESEARCH, CONSULTANCY AND EXTENSION



### **3.1 PROMOTION OF RESEARCH**

#### **3.1.1 Does the university have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.**

The University has an independent Research Projects Cell with a clear mandate to facilitate and monitor research projects funded by various funding agencies. The Cell is headed by the Director, Research and Development. In this task, the Director of Research is assisted by an Advisory Committee which consists of the following:

- |  |          |
|--|----------|
| 1. Director, Research and Development                              | Chairman |
| 2. Three Professors working on Major Research Projects by rotation | Member   |
| 3. Officer-in-Charge of the Research Project Cell                  | Member   |

To improve quality of research, the university has framed a new Ph.D. Ordinance in accordance with the revised UGC guidelines. These guidelines allow enrolment of only those candidates to Ph.D. programme who exhibit good potential and right aptitude for research. In addition to various important provisions contained in the Ordinance, other measures being taken to improve quality of research at the doctoral level are as listed below:

- (i) Rules and guidelines governing the execution of Research Projects/Grants have been liberalized to make utilization of funds hassle free.
- (ii) The research topic of each candidate is properly evaluated by the Departmental Research Committee (DRC) and the Supervisor allotted keeping in view the broad area of specialization of the teacher concerned.
- (iii) Half-yearly progress report is examined and evaluated by the Dean of the Faculty concerned.
- (iv) Presentation of annual seminars by all research students is a compulsory requirement, which is monitored by the Departmental Committee.
- (v) A Pre-Ph.D. course of one semester duration is a pre-requisite for enrollment to the Ph.D. programmes, except those who have done M.Phil.
- (vi) Every Ph.D. scholar is required to publish at least one research paper in a peer reviewed journal before the submission of thesis.
- (vii) Every scholar has to present a seminar on one's research findings before the thesis is allowed to be submitted.
- (viii) University provides funding for publication of the thesis, if recommended by the examiners.
- (ix) Moderate financial assistance is also provided for funding of one's own independent research publications.
- (x) The system of academic audit has been introduced.

#### **3.1.2 What is the policy of the university to promote research in its affiliated / constituent colleges?**

The University sends all circulars received from various funding agencies to the affiliated colleges and encourages their teachers to apply for minor/ major

projects. College teachers are allowed to supervise Ph. D. students subject to fulfillment of conditions laid down for maintenance of quality of research.

### **3.1.3 What are the proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes/projects?**

\* **Advancing funds for sanctioned projects:** The University permits drawl of advance for the purchase of equipments, instruments, chemicals, glassware, etc. from the project funds.

\* **Providing seed money:** The University provides seed money out of its own resources for the creation of basic facilities for undertaking research.

\* **Simplification of procedures related to sanctions / purchases to be made by the investigators out of project funds and research grants:** University purchase policy allows the purchase of items costing upto Rs. 3000/- without calling quotations, upto Rs. 10,000/- through a department level committee, and at DGS&D/DS&D rates without any limit. Annual rate contracts are finalized well in advance for all important items such as instruments, chemicals, glassware, etc. The PIs can purchase such items from the designated suppliers without any hassles of calling quotations or advance payment.

\* **Autonomy granted to the principal investigator/coordinator for utilizing overhead charges:** The Principal Investigator has been delegated all administrative and financial powers to spend 80% of funds at him/ her own level.

\* **Timely release of grants:** The Research Projects Cell of the university monitors the proper and timely mobilization of funds allocated to the PIs.

\* **Timely auditing:** All expenses exceeding Rs. 40,000/- are pre- and post-audited by the govt. auditors, and records thereto are maintained by the Research Projects Cell.

\* **Submission of utilization certificate to the funding authorities:** Utilization certificates, duly audited and signed by the PI, Finance Officer and the Registrar, are regularly submitted to the funding agencies through the Research Projects Cell.

### **3.1.4 How is interdisciplinary research promoted?**

- \* **Between/among different departments/ schools of the university and**
- \* **Collaboration with national/international institutes / industries.**

The University encourages interdisciplinary research and collaborations with national/international institutes / industries. Teachers of various departments independently and / or in collaboration with their other sister departments submit research project proposals to various funding agencies. The Department of Biotechnology, Government of India has sanctioned funds for advanced interdisciplinary teaching and research programmes in Life Sciences wherein fifteen teachers belonging to ten different departments are involved. The Department of Chemistry has collaborations with IIT, Delhi, National Physical Laboratory, Delhi, KIER, South Korea, Polytechnica University of Valencia, Spain.

**3.1.5 Give details of workshops/ training programmes/ sensitization programmes conducted by the university to promote a research culture on campus.**

Various university teaching departments have organized 28 such programmes during the year 2007-12 as listed in **Annexure-3.1**

**3.1.6 How does the university facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the university?**

Researchers of eminence are welcome at the campus to carry out research. Prof. Kamla Chaudhry, visiting Professor in the Department of Microbiology, Dr. A.K.Singh, Scholar-in-Residence, Department of Genetics, and Dr. Pratap Singh Lamba, Emeritus Fellow in the Dept. of Political Science are currently engaged in research activities in the University. Their visionary approach and vast experience in their respective areas has cast a motivational impact on the postgraduate students and young investigators. The impact is reflected in terms of increase in the number of total research projects sanctioned to young investigators, increase in number of Ph.D. awarded students, and increase in number of publications in various national/ international journals.

**3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.**

About 12% of the total budget is earmarked for research and academic development during the current financial year. Special grants for research are also received by the departments from external funding agencies such as UGC, CSIR, and DST. Against a sum of Rs. 42.54 crore received from the various sources, Rs. 13.13 crore was utilized during the session 2011-12.

**3.1.8 In its budget, does the university earmark fund for promoting research in its affiliated colleges? If yes, provide details.**

Really not.

**3.1.9 Does the university encourage research by awarding Post Doctoral Fellowships/Research Associateships? If yes, provide details like number of students registered, funding by the university and other sources.**

**Yes**, the University has many Post-Doctoral Fellows and Research Associates working in its various departments. For example, Dr Munish Kumar, Dr Neha Jain and Dr Kaptan Singh are engaged in research as Post-Doctoral Fellows in the Centre/Depts. of Biotechnology, Psychology and Bioinformatics, while Dr Sanket Vij and Dr Seema are working as Research Associate/INSPIRE Fellow in IMSAR and Department of Genetics, respectively.

**3.1.10 What percentage of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?**

One Professor in Economics has availed sabbatical leave. The teacher is required to submit the report on the work carried out by him/her. Two others,



one in Music and the other in History, have been allowed such leave to work on their research works.

**3.1.11 Provide details of national and international conferences organized by the university highlighting the names of eminent scientists/scholars who participated in these events.**

The University has organized 52 conferences as listed in **Annexure-3.2**. Several eminent scholars have participated in these conferences, viz., Prof Krishan Lal, President INSA, Prof A.K.Bakshi, Vice-Chancellor, Allahabad, Dr D.V.S. Jain, Emeritus Professor, Panjab University, Chandigarh, Dr G. Padmanabhan, Former Director, IISc, Bangalore, Dr V.M. Katoch, Director ICMR, New Delhi, Dr Gokhle, Director IGIB, Dr V.K. Chauhan, Director ICGB, New Delhi, Dr Y.D. Sharma, Head, Department of Biotechnology AIIMS New Delhi, Dr R.C. Sobti, Vice-Chancellor, Panjab University, Chandigarh, Dr Neena Valecha, Director, NIMR, New Delhi, Dr A.P. Dash, WHO Member, New Delhi, etc.

**3.2 RESOURCE MOBILIZATION FOR RESEARCH**

**3.2.1 What are the financial provisions made in the university budget for supporting students' research projects?**

The University has a provision for payment of University Research Scholarships and contingencies for supporting the students for carrying out research (Rs.100 lac for current financial year) in science departments, besides separate budget heads for chemicals, glassware/plasticwares and equipments. The University also provides budget for repair of equipments in different departments. The expenditure on repairs can also be met out of budgetary provisions made under the head "Contingencies".

**3.2.2 Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?**

Yes, the University has a simple procedure in place for filing applications for grant of patents. The following teachers have their patents registered and/or accepted.

- i) Madan, A. K. and Gupta, Vishal: Improved Tablets for Enhancement of Dissolution Rate and a Process Thereof. Indian Patent 2695/DEL/05 – filed on 07.10.2005.
- ii) Madan, A. K. and Kaushik, Deepak: Rapidly Soluble Tablets and a Process Thereof. Indian Patent: 2900/DEL/2005 -filed on 31.10.2005.
- iii) Madan, A. K. and Kaushik, Deepak: Rapidly Soluble Tablets from Microencapsulated Solid Dispersions and a Process Thereof. Indian Patent - filed on 13.12.2005.
- iv) Thakral, S. and Madan, A. K.: Urea Based Inclusion Complexes of Isotretinoin, Enalapril Maleate and Amiloride Hydrochloride and Process Thereof. Indian Patent: 2311/DEL/2006 – filed on 20.10.2006.
- v) Thakral, S. and Madan, A. K.: Urea-based Inclusion Complexes of Nicorandil, Carvidilol, Gliclazide and Glipizide and the Processes Thereof. Indian Patent: 208/DEL/2007 – filed on 01.02.2007.

- vi) Thakral, S. and Madan, A. K.: Urea-based Inclusion Complexes of Teprenone, Busulphan, Cisapride, Glimipride and Nylindrin and the Processes Thereof. Indian Patent: 365/DEL/2007 – filed on 22.02.2007.
- vii) Kamalasanan M.N., Ritu Srivastava, Amit Kumar, Ishwar Singh, Dhawan, S.K., and Bawa, S.S.: Novel Lithium Metal Complexes as Good Emitting and Electron Injecting Materials for Organic Light Emitting Diodes. U.S. Patent: 045NF2009/US .
- viii) Kamalasanan M.N., Ritu Srivastava, Amit Kumar, Ishwar Singh, Dhawan, S.K. and Bawa, S.S., Organic Light Emitting Functional Devices. Indian Patent: 0780/DEL/2010.
- ix) Pundir, C.S., Chauhan N.S., and Bhambi: Immobilization of Proteins onto Solid Support and Process Thereof. Indian Patent: 2393/DEL/2004 – filed on 30.11.2004.
- x) Pundir C.S., Chauhan N.S., and Bhambi: Improved Immobilized Proteins, and Process Thereof. Indian Patent: 2394/DEL/2004 -filed on 30.11.2004.
- xi) Sharma, Gaiinda Lal, Dabur, Rajesh and Ali, Mohammad. 2002. Antifungal molecule 2-(3, 4-dimethyl-2, 5-dihydro-1H-pyrrol-2-yl)-1-methylethyl pentanoate. United States Patent: 6713504 – filed on 30-03-2004.
- xii) Sharma G.L., Rajesh and Ali, Mohammed: Antifungal molecule 2-(3, 4-dimethyl-2,5-dihydro-1H-pyrrol-2-yl)-1-Methylethyl entanoate- European Patent Office:1487791 – filed on 02-07-2008.
- xiii) Sharma G.L., Rajesh and Ali, Mohammed: Antifungal Molecule 2-(3, 4-dimethyl-2,5-dihydro-1H-pyrrol-2-yl)-1-Methylethyl entanoate-Canada: 2420952 – filed on 23-9-2008.
- xiv) Sharma G.L., Rajesh and Ali, Mohammed: A Process for Isolation of Novel Antifungal Lead Molecule: Russian Federation: 2294923 – filed on 10-03-2007.
- xv) Sharma G.L., Rajesh, Ali, Mohammed: A Process for Isolation of Novel Antifungal Lead Molecule: Indian Patent: 193290 – filed on 23-12-2005.
- xvi) Rajesh, Sharma G.L., and Ali, Mohammed: A Novel Antifungal Molecule 2-(3, 4-dimethyl-2, 5-dihydro-1h-pyrrol-2-yl)-1-methylethyl pentanoate: Indian Patent: 220711 – filed on 03-06-2008.

**3.2.3 Provide the following details of ongoing research projects of faculty:**

At present, 64 Major Research Projects and 11 Minor Projects sanctioned by UGC are in progress as may be seen in **Annexures 3.3 & 3.4**. Out of these, 14 Major and 05 Minor Projects have been sanctioned to University teachers during 1-6-2011 to 31-8-2012 as listed in **Annexures 3.5 & 3.6**. In addition, there are 21 other research projects which have been sanctioned by funding agencies other than UGC as per details given in **Annexure 3.7**.

**3.2.4 Does the university have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.**

Same information as provided under Section 3.2.3. above.

**3.2.5 How many departments of the university have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.**

Most of the departments have been recognised for their research activities. Eleven departments have been sanctioned Rs. 46625000/- by UGC under SAP. Two departments (Genetics and Environmental Science) have been sanctioned a sum of Rs.10400000/- under the UGC-sponsored Innovative Programme. A sum of Rs. 6500000/- has been granted to four science departments under Basic Scientific Research Grant scheme. In addition, six science departments, namely, Chemistry, Physics, Genetics, Zoology, Environmental Science, and Centre for Biotechnology have been provided with financial assistance of Rs.438 lac under FIST Programme. Details are given below:

**Details of Special Assistance Programmes Sanctioned by UGC**

<b>Sr. No.</b>	<b>Name of the Co-ordinator</b>	<b>Name of the Department</b>	<b>Amount sanctioned (Rs.)</b>
1	Dr. Kavita Chkarvarti	Economics SAP (DRS-1)	4400000
2	Dr. Surender Kumar	Sanskrit SAP (SAP-1)	3450000
3	Dr. Rajbir Singh	Psychology SAP (DRS-1)	3000000
4	Dr. K.S. Sangwan	Sociology SAP (DRS-11)	2800000
5	Dr. Shashi Bahal	Statistics SAP (DRS-1)	3150000
6	Dr. Arun Nanda	Pharmaceutical Sc. SAP (DRS-I)	4275000
7	Dr. S.K. Gakhar	Centre for Biotech. SAP (DRS-I)	6075000
8	Dr. R. S. Pandey	Hindi SAP (DRS-I)	3550000
9	Dr. M. I. Hassan	Geography SAP (DRS-I)	6175000
10	Dr. Renu Chugh	Mathematics SAP (DRS-I)	5000000
11	Dr. A.S. Maan	Physics SAP (DRS-I)	7050000
<b>Total</b>			<b>48725000</b>

**Details of Innovative Programmes Sanctioned by UGC**

<b>Sr. No.</b>	<b>Name of The Department</b>	<b>Name of the Scheme</b>	<b>Amount Sanctioned (Rs.)</b>
1	Genetics	M.Sc. (Forensic Science)	6000000
2	Environmental Science	M.Sc. (Environmental Biotechnology)	4400000
<b>Total</b>			<b>10400000</b>

**Details of Basic Scientific Research Grant Received from UGC for Infrastructure Development**

<b>Sr. No.</b>	<b>Name of the Department</b>	<b>Title of the Project</b>	<b>Amount Sanctioned (Rs.)</b>	<b>Amount Released (Rs.)</b>
1	Statistics	Basic Scientific Research for Infrastructure Development	20,00,000	20,00,000
2	Centre for Biotechnology	Basic Scientific Research for Infrastructure Development	20,00,000	20,00,000
3	Pharmaceutical Sciences	Basic Scientific Research for Infrastructure Development	20,00,000	20,00,000
4	Establishment of Women Study Centre	Empowering Women for Decision Making and Development Activities of Society	5,00,000	5,00,000
<b>Total Amount</b>			<b>65,00,000</b>	<b>65,00,000</b>

**Details of Financial Assistance for Faculty Improvement in Science and Technology (FIST)**

<b>Sr. No.</b>	<b>Name of the Department</b>	<b>Amount (Rs.)</b>
1.	Department of Chemistry	1,09,000
2.	Centre for Biotechnology	59,00,000
3.	Department of Physics	85,00,000
4.	Department of Environmental Science	65,00,000
5.	Department of Genetics	60,00,000
6.	Department of Zoology	60,00,000
	<b>Total</b>	<b>3,30,09,000</b>
7.	Department of Pharmaceutical Sciences*	
8.	Department of Botany*	
9.	Department of Biochemistry*	

\* Cases are under process.

These grants have strengthened the existing infrastructural and other research facilities available at various departments of the University.

**3.2.6 List details of**

**a) Research Projects Completed during the Last Four Years (Sanctioned by UGC).**

<b>Sr. No.</b>	<b>Name of the Teacher and the Department</b>	<b>Name of the Project</b>	<b>Amount Sanctioned (Rs.)</b>
1.	Dr. Kavita Chakravarti Economics	Land property rights of women in rural India: Study of four states	707600
2.	Dr. Surinder Kumar Economics	Evaluation of the power sector reform: A study of the North Indian States	642000

<b>Sr. No.</b>	<b>Name of the Teacher and the Department</b>	<b>Name of the Project</b>	<b>Amount Sanctioned (Rs.)</b>
3.	Dr. Pushpa Dahiya Botany	Assessment of allergen of city to outdoor fungal allergens of Rothak and its suburbs	910300
4.	Dr. Ram Ratti Malik Hindi	Samkleen Hindi kavita mein manviya sarokar	385200
5.	Dr. Ranbir Gulia Political Science	Right to Information Act (2005): A study of its implementation in Haryana	370200
6.	Dr. J.P. Yadav Genetics	Study of Fungal Endophytes associated with <i>Salvadoraoleoides</i> and effect of their secondary metabolite on antimicrobial, hypoglycemic and hypolipidemic activity	1104300
7.	Dr. (Mrs) Rajesh Dhankar Environmental Sc.	Bioameliorative responses of cyanobacteria in sewage irrigated soil	1086800
8.	Dr. Inderjeet Geography	Impact of climate change on water resources in Haryana	571200
9.	Dr. Sunil Kumar, Environment Science	Assessment of environmental status of Bhindawas wetland (Haryana)	185000
<b>Total</b>			<b>5962600</b>

**(b) Research Projects Completed during the Last Four Years (Sanctioned by Funding Agencies other than UGC)**

<b>Sr. No.</b>	<b>Name of the Principal Investigator</b>	<b>Subject</b>	<b>Funding Agency</b>	<b>Amount (Rs.)</b>
1	Mrs. Ranjana Jaiwal, Zoology	Evaluation of transgenic Mungbean.....	DST, New Delhi	1455000
2	Mrs. Sonia, UIET	Incorporation and expression of ...	-do-	1100000
3	Dr. C.S. Pundir, Biochemistry	Amperometric Enzyme Electrode system....	-do-	1100000
4	Dr. Raman Saini, Biosciences	Development of transgenic plants...	-do-	8250000
5	Dr. B.K.Behra, CBT	Anti-tumour drug development	HSCST, Chandigarh	398360
6	Dr. P.K. Jaiwal, CBT	Engineering yellow mosaic virus resistance.	-do-	582360
7	Dr. S.N.Mishra, Botany	Evaluation of heavy ions induced	NSC, New Delhi	198000

<b>Sr. No.</b>	<b>Name of the Principal Investigator</b>	<b>Subject</b>	<b>Funding Agency</b>	<b>Amount (Rs.)</b>
8	Dr. Jitender Parshad, Sociology	A pilot study of the socio-political and cultural status... Dalit women in Haryana	NHRC, New Delhi	138852
9	Dr. C.S. Pundir, Biochemistry	Preparation of an enzastrup for semi...	ICMR, New Delhi	111420
10	Dr. S.K. Gakhar, CBT	Engineering Indian Malaria Vector....	DBT, New Delhi	495600
11	-do-	Identification and characterization of ... mosquito immunity	ICMR, New Delhi	517000
12	Dr. S.S. Chahar, Public Administration	A study of roles and capacities of Panchayati Raj.... health system	ICMR, New Delhi	419120
13	Dr. P.K. Jaiwal, CBT	Development of yellow mosaic resistance in blackgram ...	DBT, New Delhi	2963000
14	Dr.C.S. Pundir, Biochemistry	Preparation of an amperometric biosensor for ...	DBT, New Delhi	1066720
15	-do-	Development of membrane bio-rector for synthesis of .....	-do-	166000
			<b>Total</b>	<b>Rs. 18961432</b>
<b>Grand Total (a+b) Rs. 2,49,24032</b>				

**(c) Inter-institutional collaborative projects and grants received**

**i) All India collaboration**

<b>Sr. No.</b>	<b>Name of the Principal Investigator</b>	<b>Subject</b>	<b>Funding Agency</b>	<b>Amount (Rs.)</b>
1	Dr. P.K. Jaiwal CBT	Engineering yellow mosaic virus resistance	HSCST, Chandigarh	582360
2	Dr. S.K. Gakhar CBT	Engineering Indian Malaria Vector....	DBT, New Delhi	495600
3	Dr. P.K. Jaiwal CBT	Development of yellow mosaic resistance in blackgram ...	DBT, New Delhi	2963000
			<b>Total</b>	<b>Rs. 4040960</b>

**ii) International: NIL**

### 3.3 RESEARCH FACILITIES

#### 3.3.1 What efforts have been made by the university to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

The university has strengthened research facilities by adding several ultra-modern research equipments and apparatus. Teaching and research laboratories in science departments have been renovated and safety features upgraded.

The major scientific instruments and equipments procured over the last few years include Scanning Electron Microscope, several UV-Visible Spectrophotometers, RT-PCR, PCR, High Performance Liquid Chromatography, Lyophilizer, Gel Doc. System, Fluorescence Microscope, Stereo-Zoom Trinocular Microscope with Micro-Photographic Apparatus, Nucleic Acid Extraction System, Human Karotyping Microscope with Software, Bio-safety Cabinets, Microbalances, High Performance Thin Layer Chromatography, High Speed Centrifuges, 2-Drop Micro-Calorimeter, Anton Par Densitometer, Potentiostate, Spectro-fluorometer, FTIR Spectrophotometer, Rubilaser, Dilaser, ESR, Double Monochromator, Shot Gun Apparatus, Gas Liquid Chromatography, Sound Level Meter, Air Sampler, Refrigerated Centrifuges, Speed Vac, PGA Thermo-gravimetric Analyzer, High Precision Boiling and Melting Point Apparatus, Karl-Fischer Apparatus, Auto-titrator, Moisture Analyzer, Particle Size Analyzer, Brookfield Viscometer, Rheometer, Table Top Spray Dryer, Deep Freezers, Projection Microscope with Camera, Trans-dermal Cell Assembly, Dissolution Rate Apparatus, Ultrasound Basket Assembly, Stability Chamber, Ultra Water Purification Plant, VL Time PCR, Chemidoc, Inverted Phase Contrast Microscope, DNA Extraction Machine, Ultracentrifuge, Carbon dioxide Incubator, MilliQ Water Purification Plant, Elisa Reader and Washer, etc.

The purchase of Impedance Analyzer, X-Ray diffractometer (XRD), Micro-differential Scanning Calorimeter-7, Inverted Fluorescent Microscope, -80°C Deep Freezer, GCMS, Acta-purifier and Nano-HPLC is in pipeline with sanction already accorded.

Besides the above, following facilities have also been created to facilitate research:

- Ultra High-Tech Greenhouse.
- Food Texture Analysis facility
- Animal Cell Culture facility
- Plant Tissue Culture facility
- Liquid Nitrogen Plant
- Animal House
- Botanical Garden
- A Sky Radiometer has been installed in the Department of Environment Science, recently.
- All labs, including computer labs, on the new campus are internet-

enabled and have been upgraded for providing full computer access to the students and faculty.

- Every room of the faculty members and the laboratories has been provided Internet connection.

**3.3.2 Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.**

Yes, Bioinformatics Centre of the University has been declared by DBT, Govt. of India, as a nodal centre to support teaching and research not only in the Life Science faculty of this university, but also in the neighboring universities/institutes.

**3.3.3 Does the university have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?**

Yes, the University has this facility, but the instruments are not installed in a single building. These are housed in different departments such as Chemistry, Physics, Genetics, Biotechnology, etc. These instruments are accessible to the researchers of all the departments.

**3.3.4 Does the university provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?**

Yes, the University has provided internet facilities in the research scholar's hotel. The visiting scientists, fellows of various academies, etc. are provided accommodation in the Faculty House where internet facilities are available. A transit Hostel with 60 suites has been commissioned recently to meet such requirements.

**3.3.5 Does the university have a specialized research centre/ workstation on-campus and off-campus to address the special challenges of research programmes?**

Yes, the University has specialized research centers such as Centre for Bioinformatics, Centre for Medical Biotechnology and Centre for Biotechnology.

**3.3.6 Does the university have centers of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.**

Yes, Centre for Medical Biotechnology has been accorded national status by the Department of Biotechnology, Government of India where research facilities of international standard have been created.

**3.4 RESEARCH PUBLICATIONS AND AWARDS**

**3.4.1 Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.**

Yes, the University publishes three biannual refereed journals as listed below:



- a) **Maharshi Dayanand University Research Journal (Arts)**; ISSN 0972-706X; Chief Editor – Prof Ravinder Vinayek; Editorial Board – Prof Nina Singh, Prof Promila Batra, Prof Jitender Prasad, Prof Narender Kumar, Prof Amar Singh and Prof Asha Kadiyan.
- b) **Journal of People & Society of Haryana**; ISSN2248-9029; Chief Editor – Prof S.S.Chahar; Editorial Board – Sh. D.R.Chaudhary, Prof. Rajbir Hooda, Prof. S. S. Tiwana, Prof. Mohinder Singh and Dr. Vidya Siwach.
- c) **MDU Law Journal**; Chief Editor – Prof. K.P.S. Mahalwar, upto 2010.

### 3.4.2 Give details of publications by the faculty:

* Number of papers published in peer reviewed journals (national / international)	:	<b>2937</b>
* Monographs	:	
* Chapters in Books	:	<b>193</b>
* Books edited	:	
* Books with ISBN with details of publishers	:	
* Number listed in international databases ( <i>e.g.</i> Web of Science, SCOPUS, Humanities International Complete, EBSCO host, etc.)		
(i) For the period since inception	:	<b>1643</b>
(ii) For the preceding period of 5 years	:	<b>556</b>
* Citation Index – range / average	:	<b>0-199 / 1.79</b>
* SNIP	:	<b>Annexure 3.8</b>
* SJR	:	<b>Annexure 3.8</b>
* Impact Factor – range / average	:	<b>0-8 /1.394</b>
* h-index	:	<b>31</b>

### 3.4.3 Give details of faculty serving on the editorial boards of national and international journals.

A number of teachers of the University are on the Editorial Boards of national and international journals. Details are given below:

- i) **Dr. K.K.Verma**
  - InstaSCI Journal of Chemistry
- ii) **Dr. J.P. Yadav**
  - Plant Archive Journal
  - Biological Bulletin Journal
- iii) **Dr. Minakshi Vashist**
  - National Journal of Life Sciences
- iv) **Dr. Jitender Prasad**
  - M.D.U. Research Journal (Arts)
- v) **Dr. S.R. Ahlawat**
  - Economy, Polity and Society; Convener, Research Committee, ISC
- vi) **Dr. R.P. Garg**
  - Sodh Patrika Yugshilpi; ISSN- 0975-4644
- vii) **Dr. S.C. Malik**
  - International Journal of Science, Tech. & Management

- viii) **Dr. Renu Chugh**
- Journal of Non-Linear Analysis and its Applications
  - Journal of Non-Linear Sciences and its Applications, Iran
- ix) **Dr P. K. Jaiwal**
- Journal 'Physiol. Mol. Biol. Plants'
- x) **Dr Gulshan Taneja**
- Caledonian Journal of Engineering, Oman.
- xi) **Dr. Sumeet Gill**
- International Journal of Computational Engineering and Management
  - International Journal of Interactive Computer Communication
  - International Technology Research Excellence
- xii) **Dr. Rajbir Singh**
- Journal of Indian Health Psychology, New Delhi
  - Disabilities and Impairments
  - Indian Journal of Community Psychology
- xiii) **Dr Sunita Malhotra**
- Journal of Psychology and Education
  - Journal of Health and Well-Being
- xiv) **Dr. Promila Batra**
- M.D.University Research Journal (Arts)
- xv) **Dr. Nav Rattan Sharma**
- Journal of Indian Health Psychology
- xvi) **Dr. Radhey Shyam**
- Indian Journal of Psychology and Education
  - Journal of Indian Academy of Applied Psychology
  - Indian Journal of Psychology and Mental Health
  - SIS Journal of Projective Psychology and Mental Health
  - Indian Journal of Positive Psychology
  - Journal of Well-Being
  - Indian Journal of Psychological Science
- xvii) **Dr. Deepti Hooda**
- Journal of Indian Health Psychology
- xviii) **Dr.M.I. Hasan**
- Eastern Geographer: A Journal of Eastern Geographical Society
- xix) **Dr K.P.S. Mahalwar**
- Vidhigya
  - MDU Law Journal
- xx) **Dr M.M. Chaturvedi**
- Naya Path Harkara, Rohtak
- xxi) **Dr. Baljeet Singh Yadav**
- Advanced Journal of Food Science and Technology
- xxii) **Dr. Amar Singh**
- M.D.U. Research Journal (Arts)

**xxiii) Dr. Pratyoosh Shukla**

- Indian Journal of Microbiology

**xxiv) Dr. S.S. Chahar**

- Journal of People and Society of Haryana, Centre for Haryana Studies, M.D. University Rohtak.

**xxv) Dr R.S. Chhillar**

- International Journal of Computer Science Issues
- International Journal of Computer and Electronics Research
- SOCH-Mastnath Journal of Science and Technology

**3.4.4 Provide details of**

- \* **research awards received by the faculty and students**
- \* **national and international recognition received by the faculty from reputed professional bodies and agencies**

Yes, a number of teachers from various university teaching departments have received recognition from various national and international bodies, and they are active members of various academic/administrative bodies.

**3.4.5 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the university participate in Shodhganga by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?**

The university faculty from various teaching departments have guided 637 Ph.D. and 1100 M.Phil. students during the last four years. The average of Ph.D. and M.Phil. scholars per teacher per year comes to 4.5 and 7.5, respectively. The university has entered into an MoU with INFLIBNET Centre on behalf of UGC for participation in Shodhganga, Shodhgangotri, and Indcat projects by depositing Ph.D. theses, synopses approved by the university for enrollment in Ph.D. programmes, and copies of Library Catalogue, respectively for sharing of information.

**3.4.6 What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.**

Plagiarism and other malpractices in research are strictly prohibited. Each university teaching department has a Departmental Committee which evaluates the research work done by the researcher. This practice helps the university check malpractices and plagiarism in research. The university encountered only one case of malpractices and plagiarism, and took immediate action against the culprit scholar.

**3.4.7 Does the university promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?**

Yes, the University encourages interdisciplinary research and collaborations with national/international institutes & industries, and therefore, the teachers of the same and different departments submit research projects to various funding agencies. For further details, reference is invited to Section 3.1.4.

**3.4.8 Has the university instituted any research awards? If yes, list the awards.**

Yes, for the promotion of quality research, the university has instituted three awards vide EC Res.37 of July, 2008. Every candidate, whose research papers appended to the Ph.D. thesis have a commulative Impact Factor of atleast 5.00, is given a certificate alongwith a cash award of Rs.5100/-.

A candidate having the highest Impact Factor (atleast 5.0) in the entire University is considered for the gold medal along with a cash award of Rs 11000/-. Similarly, a candidate having 2<sup>nd</sup> highest Impact Factor (atleast 5.0) in the entire university is considered for award of Silver Medal along with the cash award of Rs. 5100/-.

**3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?**

The applications of such faculty are duly recommended for the award of Haryana Ratan awarded by Haryana State Council of Science and Technology and other national awards.

**3.5 CONSULTANCY**

**3.5.1 What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the university during the last four years.**

The Institute of Development Studies offered consultancy to the Govt. of Haryana for preparation of State Development Report and Mid-Term Appraisal of Eleventh Five Year Plan, and fetched Rs.15 lac and Rs. 13 lac, respectively as consultancy charges. Planning Commission of India paid the consultancy fee. The Department of Law offers free consultancy to the needy persons through its Legal Aid Cell. Similarly, the consultancy provided by the Department of Psychology through its counseling activities is also a free service.

Only very recently Prof. K.S. Sangwan of the Department of Sociology carried out any extensive survey, funded by the Haryana Govt. with a special grant of Rs. 70 lac, to advise them field-based consultancy on reservation policy in Govt. Jobs.

The university is now working on a plan to provide consultancy services in the areas of data acquisition systems, entrepreneurship, market research, personality development, failure analysis, drug intermediates, gene amplification, molecular cloning, and production of medicinal plants through tissue-culture technique.

**3.5.2 Does the university have a university-industry cell? If yes, what is its scope and range of activities?**

Yes, Industry Liaison Cell has been set up in the university to provide interface between industry and academia. A Corporate Resource Centre too has been established. Various companies are invited for the placements of the students.

**3.5.3 What is the mode of publicizing the expertise of the university for consultancy services? Which are the departments from whom consultancy has been sought?**

The university has established an Industry Liaison Cell and a Corporate Resource Centre to promote the Industry-Academia interface, and to identify the faculty having expertise in various areas so that their services could be made available to the industry/govt./other agencies. For further details, reference is invited to Section 3.5.1.

**3.5.4 How does the university utilize the expertise of its faculty with regard to consultancy services?**

In consideration of its social commitment, the university has been providing consultancy services to a wide spectrum of community groups by conducting seminars, workshops, open sessions, and interactive dialogue sessions. Such services include child and mother care, nutrition, drug de-addiction, alcoholism, marital counseling, mental health, human resource management, marketing, etc. The Government of Haryana has been utilizing the expertise of our university faculty in monitoring and assessment of its development schemes and programmes, as also to have special survey work undertaken to plug gaps in important areas of policy formulation.

**3.5.5 List the broad areas of consultancy services provided by the university and the revenue generated during the last four years.**

The University provides consultancy in economic analysis, social surveys, legal advice, career counseling, psychology, etc. The university generated a revenue of Rs. 28 lac in the form of consultancy fee during the last four years. Besides, free consultancy is provided by the Department of Law and the Department of Psychology in the form of legal advice and counseling activities, respectively.

**3.6 EXTENSION ACTIVITIES AND INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)**

**3.6.1 How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.**

The university has been networking with Government and NGOs to organize several collaborative outreach programmes. Some of those being undertaken are described below:

**a) Environmental Awareness:** The students of the university regularly undertake various activities to create social awareness among the public. These activities are organized by the office of the Dean Students' Welfare and the NSS Coordinator. Issues of maintaining cleanliness, environmental protection, etc., are addressed by organizing special awareness drives, street skits, and dramas from time to time. The university has introduced a compulsory non-credit paper entitled "Environmental Awareness" at the undergraduate level. Similarly, the Departments of Psychology, Sociology, Law, and Commerce have designed their course curricula so as to include the same at an advance level.

**b) Dissemination of Information:** The faculty is actively involved in dissemination of knowledge and information not only in their respective academic interest areas, but also in areas of national and global importance. Expert lectures on diverse subjects are delivered by the faculty in various institutions. Important national / international events like World AIDS Day, Environment Day, Women's Day, Science Day, Van Mahotsav, Communal Harmony Day, and National Integration Week are regularly observed by the university. Various departments also do their bit to disseminate knowledge on sustainable technologies for conservation and management of natural resources.

**c) Health and Nutrition:** The Department of Psychology arranges several camps for health check-up, health awareness, nutrition and life style. It propagates vital information on these issues for the benefit of the university community and general public, particularly in rural areas. The Department also arranges training for the students on mental health check-up and behavioral problems & aberrations.

Department of Chemistry has been rendering help to M.D./M.S. students of the local University of Health Sciences in analyzing pathological samples of the patients since 1980.

**d) Service to the Society:** Teachers and students of the Faculty of Law extend free legal aid to the needy persons in Courts and Lok Adalats. Students from the Department of Psychology pay regular visits to mental hospitals to render counseling and other technical help to the needy and suffering patients. Blood Camps are organized by the Dean Students Welfare; yoga programmes are offered for general public in Maturam Yajnasala; community services programmes are arranged by the NSS Coordinator; and so on.

The Department of Chemistry has been allowing the use of its sophisticated instruments for analyzing samples of patients suffering from various diseases like Cancer, Eye Cataract, etc. It has helped in devising diagnostic tests for determining the stages of cancer and in evolving the mechanisms underlying the disease. Similarly, causes and mechanism of cataract formation, especially in the old age, has also been worked out. Investigations on blood infections in neonates and some other diseases like impotency in males too have been carried out.

### **3.6.2 How does the university promote university-neighborhood network and student engagement, contributing to the holistic development of students and sustained community development?**

The university promotes the neighborhood network through its full-fledged NSS office. There are 170 NSS units with 10335 male and 7080 female volunteers on roll at the university level. The NSS office provides training to students to enable them to contribute their mite to various community service activities. These volunteers run cleanliness and other social service campaigns in both rural and urban areas from time to time.

### **3.6.3 How does the university promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programmes?**

The university regularly organizes special seminars to create awareness among students and faculty about the aims and objectives of national service programmes of NSS. These seminars provide an ideal platform for promoting the concept of national service and for motivating students to join these services. As a measure of encouragement, students joining the NSS scheme are given appropriate weightage at the time of seeking admission to courses of study offered by the university. The campus-based NSS office plans, coordinates, and executes various national service programmes. NSS volunteers directly involve themselves in the various community service activities like blood donation camps, literacy campaigns, cleanliness drives, environmental awareness, and spreading awareness on important social issues like female foeticide, gender discrimination, consumer protection, AIDS, drug-addiction, and hazards of alcoholism & smoking.

### **3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?**

Some of the departments of the university conduct workshops and seminars, and also hold awareness campaigns on domestic violence, gender sensitization, declining sex ratio, and legal education. The **Women Study Centre** is rendering a yeoman service in all these areas. Some of the activities undertaken by the Centre during 2010-11 and 2011-12 are listed below:

1. Organized a 'Workshop on Emerging Trends in Gender Studies in India' on March 30, 2010.
2. 'Workshop on Integrated Initiative to Combat Declining Sex Ratio in Haryana' in Collaboration with WPC and HNYKS on June 30, 2010.
3. Organized 'Field Visits to Educate Women' September 16-17, 2010.
4. Organized a 'Workshop on Domestic Violence in Haryana: Problems of implementation of Domestic Violence Act' on September 14, 2010.
5. Organized a Workshop on Empowering Women in Higher Education, on September 24, 2010.
6. Organized a 'Lecture on Property Rights of Women' on Nov. 30, 2010.
7. Organized a 'National Seminar on Eliminating Daughters: Paradox of Development in India' on December 15-16, 2010.
8. Celebrated 'International Women's Day' on March 8, 2011.
9. Organized a 'Health Assessment and Awareness Camp for Female Students of the University' on September 30, 2011.
10. Organized an 'Awareness Campaign Against Female Feticide' on January 21, 2012.
11. Organized a 'National Seminar on Women, Society and State' on February 9-10, 2012.
12. Organized a 'Workshop on Enhancing Success and Flourishing in Women' on March 27, 2012

For more details, reference is invited to Section 3.5.1.

**3.6.5 Does the university have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?**

Yes, the record of involvement of the on-roll students in various social activities is maintained by the respective departments, Dean Students Welfare and NSS Coordinator. Besides, the university has formed a University Alumni Association, and created an office with a Professor level teacher as Director to look after its activities. The outgoing students are encouraged to register as members of the Association. The conference of the Association is held annually. The records of the members of Association are maintained by its office. This exercise helps the university to keep track of the student's achievements in their career and their involvement in social activities.

**3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.**

Besides delivering knowledge for career development, the university promotes the inculcation of values in the students to make them good human being and responsible citizens. The engagement of the students in extension programmes embeds in them the right type of values so that they can contribute their mite to make India a better country to live. Besides academic learning, the following values are inculcated in the students by their involvement in extension activities:

- i) They become religiously tolerant.
- ii) They acquire traits for eradication of social evils such as female foeticide, honour killing, untouchability, etc.
- iii) They become sensitive to environmental protection, national integration and such other issues.
- iv) They become aware that blood donation is pious work which can save a life, and therefore, develop inclination to involve in this activity.
- v) They get emotionally charged for general welfare of the society and render the help desired during natural calamities.

**3.6.7 How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities.**

The Women Study Centre, Department of Environmental Science, and Dean Students' Welfare of the University do involve the community in their following outreach programmes in their own humble way:

- i) Gender sensitization
- ii) Imbalance sex-ratio
- iii) Female foeticide
- iv) Domestic violence
- v) Health awareness
- vi) Environmental protection
- vii) Promotion of folk music



The university is taking initiatives to strengthen the university-community interface to encourage greater community participation in its various outreach activities.

**3.6.8 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.**

There is nothing worth mentioning here.

**3.7 COLLABORATIONS**

**3.7.1 How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?**

Yes, the university teaching departments have 33 research collaborations with the national institutions and 15 collaborations with the international institutions/ universities. Some of the academic and financial benefits accrued to the university are as under:

**Collaboration with Korea Institute of Energy Research:** Collaboration with this institute has been very successful in carrying out high quality research. Three Ph.D. students carried out research work in this institute for their Ph.D. theses. Several senior faculty members of the Chemistry Department have visited the Institute and carried out collaborative research work. The faculty on the university side helped the Korean Institute in making and synthesizing electronic materials, while the Korean side fabricated the electronic devices for diverse purposes such as sensor (especially for detecting low levels of toxic gases), lighting systems, optoelectronic systems, and organic light emitting devices (OLEDs). Several good quality research papers have been published jointly.

**Collaboration in Marie Curie Action Plan (European Union Project):** An International Project on Solar Cells has been sanctioned by European Union under the Marie Curie International Research Staff Exchange Scheme as collaborative research venture to be participated by six countries with effect from May 1, 2011 for four years. This will involve an exchange of researchers of the participating countries at the following universities:

- i) University of Valencia, Spain
- ii) University of Minho, Portugal
- iii) University of Politecnica Madrid, Spain
- iv) University of Warsaw, Poland
- v) University of Catholica, Valparaiso, Chile
- vi) University of Auburnoma, Puebla, Mexico
- vii) M.D. University, Rohtak, India

Professor Mari of the University of Valencia is the Chief-Coordinator and is responsible for budgetary control of the Project, including researchers' travel and living expenses. From the university side, the faculty of Chemistry Department will join the exchange process. Our faculty is working on developing advanced materials for solar cells. A plan has been worked out to prepare up-conversion phosphorescent materials to make the solar cells more

energy efficient. The research work has taken off and one senior faculty from the Chemistry Department is already working in Valencia (Spain).

These events will certainly boost the faculty research endeavours in the university and will act as a unique example for others to emulate.

**Collaboration with National Physical Laboratory, New Delhi & CEERI, Pilani:** The Department of Chemistry is collaborating with NPL, New Delhi for synthesizing materials for electronic devices. The devices are to be used for optoelectronic systems as an energy efficiency measure. These advanced materials are meant for use in sensor technology as well as solar cell devices. The Department of Physics is collaborating with CEERI, Pilani for devising systems for sensors and opto-electronic systems.

Two patents in collaboration with NPL have been submitted and numbers assigned by the Indian and US patent offices.

**Collaboration with National Institute of Malaria Research, New Delhi:** The students of life sciences undergo summer training and/or dissertation work at NIMR. Joint research supervision/ projects are being carried out.

**Collaboration with Pt. BDS University of Health Sciences, Rohtak:** Students of life sciences, particularly Medical Biotechnology, undergo clinical training in the collaborating university. The expert lectures are arranged for the students of Medical Biotechnology, clinical samples are provided for research work, and joint research projects have been submitted.

**Collaboration with Research Institute of Humanity and Nature, Kyoto, Japan:** Department of History is collaborating with this Institute. Excavation samples from the Meetha Thal site of Harrappan Culture is complete, and sample analysis work is in progress, involving the faculty and research scholars of Department of History. Some results have been presented in conferences held in Japan. Translation work is also in progress.

**Collaboration with other foreign institutions:** Several faculty members are working in collaboration with other research institutes with which MoU have been signed. Those working in Biotechnology and other life sciences departments have visited these institutions and delivered lectures in their institutions.

### **3.7.2 Mention specific examples of how these linkages promote**

**Curriculum development:** The linkages with the academic and research institutions enable the faculty to keep abreast with the latest developments in their respective areas of interest/ specializations. It helps the faculty to benchmark their course curricula with those of the other leading institutions. It enables the students to carve a distinctive niche for themselves.

**Internship:** The linkages with the academic and research institutions provide opportunities to the students of the university to work with leading scientists in their respective areas of research interest. These enable the students to complete their projects. The university has signed MoUs with leading institutions to this effect.

**On-the-job training:** Provision of on-the-job training is incorporated in linkages with the institutions with which university has entered into academic

and research collaborations. All professional courses offered by the University have in-built element of on-the-job training.

**Faculty exchange and development:** All the current institutional linkages with the university primarily entail collaborative research. Accordingly, the faculty comes across newer ideas and techniques to improve their teaching skills and research endeavors. This helps in generation and dissemination of knowledge which gets refined and enriched in the process both qualitatively and quantitatively.

**Research:** Faculty visiting advanced labs and research institutions get exposure to the latest research techniques and trends. It helps them in devising ways and means to translate their ideas into reality. It also encourages cross-fertilization of ideas leading to interdisciplinary research.

**Publications:** The publication profile of the faculty has greatly enhanced by the linkages developed with the peer institutions. These have helped the researchers to broaden the scope of their research investigations and have enabled them to work on sophisticated equipments, which otherwise may not have been possible. This interaction has produced quality research, resulting in research publications finding space in the leading international journals

**Consultancy:** Consultancy goes hand-in-hand with the generation of new ideas and skills. The above said linkages have opened new vistas of consultancy and the faculty is exploring avenues where their expertise could be utilized for resource generation.

**Extension activities:** The linkages established have helped improve extension activities. As per regional social needs, the university faculty collaborates with NGOs and other institutions for creating awareness on various issues of social concern, as also for providing vocational training.

**Student placement:** The university departments have established direct linkages with the prospective employers. As a result, the students on passing out their respective courses of study are able to find gainful employment in reputed institutions/organizations on their own. Departments offering professional programmes have established linkages with the industry. Those running courses in science streams have worked out mutually useful linkages with the leading research institutions which have helped to improve their teaching and research skills. Faculty references and alumni linkages do help the young professionals as springboards for illustrious careers.

### **3.7.3 Has the university signed any MoUs with institutions of national/international importance/ other universities/ industries/ corporate houses etc.? If yes, how have they enhanced the research and development activities of the university?**

**Yes,** the University has signed 16 MoUs – 13 with international institutions, and 3 with national institutions. Under some of these MoUs, students as well as faculty members have visited some of the foreign institutions. A complete list of such linkages through MoUs is given below.

#### **Department-wise Collaborations with Other Institutions**

**Botany:** Joint Research Programme

- i) Pt. B.D.S. University of Health Sciences, Rohtak

- ii) C.C.S. Haryana Agricultural University, Hisar
- iii) Panjab University, Chandigarh
- iv) Jamia Hamdard, New Delhi
- v) Institute of Genomics and Integrative Biology , New Delhi

**Genetics:** Joint Research Programme

- i) ICGEB, New Delhi
- ii) Forensic Science Laboratory, Madhuban, Haryana
- iii) Prof. A.G. Gibbs School of Life Sciences, University of Nevada, USA
- iv) Dr J.E. Cool, University of Copenhagen, Denmark
- v) Prof. J. Naenike, University of Rochester, New York, USA
- vi) Dr M.L. Chikindas, Rutgers State University of New Jersey, USA

**Chemistry:** Joint Research Programme and Exchange of Faculty and Junior Researchers

- i) Polytechnica University of Valencia, Spain
- ii) University of Minho, Portugal
- iii) University of Politecnica, Madrid, Spain
- iv) University of Warsaw, Poland
- v) University of Catholica, Valparaiso, Chile
- vi) University of Auburnoma, Puebla, Mexico
- vii) Korea Institute of Energy Research, Daejon, Korea
- viii) National Physical Laboratory, New Delhi
- ix) Central Electronics Engineering Institute, Pilani
- x) Pt. B.D.S. University of Health Sciences, Rohtak

**Centre for Biotechnology:** Joint Research Programmes

- i) One Ph.D. student is working on “Pod Borer Resistance in Pigeon Pea” in collaboration with Prof. P.A. Kumar, Director, NCPBR, New Delhi.
- ii) Prof. P.K. Jaiwal is working on a DBT project in collaboration with Prof K. Veluthambi, Department of Plant Biotechnology, Madurai Kamraj University, Madurai.
- iii) Pt. B.D.S. Post Graduate Institute of Medical Sciences, Rohtak.
- iv) National Institute of Malaria Research, New Delhi.
- v) One Ph.D. student is working on “Immunoproteomic Analysis of Aspergillus Fumigatus for Identification of Developmental Stage Specific Immunoreactive Molecules” in collaboration with Dr. G.L. Sharma, Dy Director, Institute of Genomics and Integrative Biology, Delhi.
- vi) Collaborative Research is going on between MDU and AIIMS, N. Delhi.
- vii) Research Project on “Development of Salt Tolerant Legume for Sustainable Agriculture and Nutrition: Identification of QTLs/Gene”, sanctioned by DST, New Delhi and JSPS, Japan.

**Computer Science:** Joint Research Programme

- i) Central Electronics Engineering Institute, Pilani
- ii) HCL Infosystems, Chandigarh
- iii) Indo-Japan Collaboration in Science and Technology

**History:**

- i) Research Institute of Humanity and Nature, Kyoto, Japan

**Mathematics: Joint Research Programme**

- i) Prof. B.E. Rhoades, Dept. of Mathematics, Indiana University, USA
- ii) Prof. S.M. Rizwan, Middle East Desalination Research Centre, Caledonian College of Engineering, Oman.
- iii) DBCR University of Science & Technology, Murthal, Sonapat
- iv) Gurukul Kangri University, Haridwar
- v) National Institute of Technology, Kurukshetra
- vi) Kirorimal College, University of Delhi, Delhi

**Physics: Joint Research Programme**

- i) Central Electronics Engineering Institute, Pilani

**Zoology: Joint Research Programme**

- i) Pt. B.D.S. University of Health Sciences, Rohtak.
- ii) National Dairy Research Institute, Karnal
- iii) Central Institute of Buffalo Research, Hisar
- iv) C.C.S. Haryana Agricultural University, Hisar
- v) Department of Zoology, Kurukshetra University, Kurukshetra
- vi) Central Institute of Fisheries Research and Education, Mumbai
- vii) Institute of Genomics and Integrative Biology, New Delhi
- viii) National Institute of Malaria Research, New Delhi

**UNIVERSITIES/INSTITUTIONS WITH WHOM MoUs HAVE BEEN SIGNED**

- i) Korea Institute of Energy Research, Korea
- ii) Central Electronics Engineering Research Institute, Pilani
- iii) University of Central Lancashire, United Kingdom
- iv) Brock University, St. Catharines, Ontario, Canada
- v) Lakehead University, Thunder Bay, Ontario, Canada
- vi) University of Massachusetts, Amherst, USA
- vii) National Institute of Malaria Research, New Delhi
- viii) American Institute of Indian Studies
- ix) Research Institute of Humanity and Nature, Kyoto, Japan
- x) Polytechnica University of Valencia, Spain
- xi) University of Minho, Portugal
- xii) University of Politecnica Madrid, Spain
- xiii) University of Warsaw, Poland
- xiv) University of Catholica, Valparaiso, Chile
- xv) University of Auburnoma, Puebla, Mexico
- xvi) University of Health Sciences, Rohtak

**3.7.4 Have the university-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?**

There is nothing that calls for a mention hereunder.

**Any other information regarding Research, Consultancy and Extension, which the university would like to include.**

The following **additional achievements/efforts have been made** to provide better research environment/facilities since the last visit of the Peer Team.

- Eleven (11) departments have received financial assistance from UGC under SAP.

- Six (6) departments have received funds from DST under FIST scheme, while another two are in Phase-II of funding.
- An additional amount of Rs.65 lac has been sanctioned by UGC for infrastructure development in four departments, viz., Statistics, Biotechnology, Pharmaceutical Sciences, and Women Study Centre.
- An additional amount of Rs. 349 lac has been allocated by the university since last accreditation for promotion of research.
- Ninety (90) UGC-JRF/CSIR-JRF and 9 SRF are engaged in research in various departments.
- Fifty four (54) Project Fellows are working in various research projects funded by various agencies.
- University Research Scholarship has been awarded to 151 research scholars who are pursuing Ph.D. programme.
- Five (5) Post-Doctoral fellows are engaged in advanced research.
- Fifty four (54) students have been awarded Rajiv Gandhi Fellowships
- University provides seed money for research to teachers, especially to the beginners, out of Dr. Radhakrishnan Foundation Fund based on the projects submitted by them.
- Three (3) students are availing Inspire Fellowships, and five others have been awarded JRF by Haryana State Council of Science and Technology.
- The amount of ongoing research projects has increased from Rs.1.7 crore to 14.11 crore.
- The university has set up Consultancy and IPR Cell to help filing patents, etc.
- As on date, the university has 16 MoUs and 48 collaborations.
- University has been awarded the prestigious ‘Life Science Builders Grant’ by the Department of Biotechnology, Govt. of India under interdisciplinary research programmes for Life Sciences.
- About 385 more Ph.D. scholars have been awarded Ph.D. degree after the visit of Peer Team in April 2010.
- 779 students are currently registered for Ph.D. degree, including 345 who got registered after the last accreditation in April 2010.
- University Industry Liaison Cell has been set up in the university to provide interface between industry and academia. Corporate Resource Centre too has been established.
- A grant of Rs.10 crore has been sanctioned by the World Bank for the University Institute of Engineering and Technology, M.D. U., Rohtak for strengthening teaching and research facilities.
- Centre for Bioinformatics has been recognized by DBT as a modal centre to support teaching and research not only in the Faculty of Life Sciences of this university, but also in the neighbouring universities/institutes.

- Centre for Medical Biotechnology has been given a grant of Rs.1.5 crore by DBT under the Human Resource Development Project.
- Department of Food Technology has received financial assistance of Rs.72 lac from the Ministry of Food Processing for upgrading the teaching and research facilities for M.Sc. (Food Technology).
- Two new M.Sc. Programmes, namely M.Sc. (Forensic Science) and M.Sc. (Environment Biotechnology) offered by the departments of Genetics and Environment Science, respectively, have been recognized by UGC as Innovative Programmes for special funding.
- Institute of Hotel & Tourism Management, MDU Rohtak has been recipient of prestigious grant of Rs. 2.00 crore under Central Financial Assistance Scheme as Capital Grant in Aid for Hospitality & Tourism Programmes from Ministry of Tourism, Govt of India vide Letter No 76(42)/2009-HRD dated 30 June 2011.
- Three Professor Emeritus have joined the University since last accreditation.
- The number of research publications has increased from 1368 to 2937.
- Fifty two (52) conferences/seminars and twenty eight workshops have been organized by various teaching departments.
- **Science Conclave** was organized recently in which 2500 young minds students from schools in Haryana participated. They interfaced with well-known scientists on two days with the objective of encouraging and motivating them to study science subjects. The Conclave was inaugurated by former President of India, His Excellency Dr. A.P.J. Abdul Kalam.
- Another such meet INSPIRE (sponsored by DST, Govt. of India) was held from April 28 to May 2, 2012. It was inaugurated by Dr. Kasturiranjana, member Planning Commission and former Chairman, ISRO.
- Same departments are offering consultancy, though the funds generated as a result of these services are not significant.
- The university has organized 10 Legal Literacy Camps for rural people through the Legal Aid Clinic and Consumer Protection Cell of the Faculty of Law. Health psychology camps were conducted by the Department of Psychology. NSS office also conducted a workshop on Swine Flu. Academic consultancy was undertaken for the Maharshi Dayanand Gurukul, New York by the Department of Sanskrit. Mathematics Olympiad is conducted every year by the Department of Mathematics.

## Eye-View of Facts in October 2012 vis-à-vis April 2010

	April, 2010	October, 2012
<b>Research Collaborations</b>		
National	20	33
Overseas	10	15
<b>Projects</b>		
Major/Minor	22/Rs.1.7 crore	96/Rs.14.11Cr.
SAP - UGC	4	11 / Rs.6.97 Cr.
FIST – DST	--	6 / Rs.4.38 Cr.
Innovative – UGC	--	Rs.1.04 Cr.
Infrastructure Development		Rs.0.65 Cr.
Bioinformatics - DBT		Rs.27.5 lac
Life Science Builders - DBT		Rs.2.81 Cr.
Medical Biotechnology -DBT		Rs.1.5 Cr.
World Bank Grant – UIET		Rs.10 Cr.
Food Technology - Mo FP		Rs.0.72 Cr.
<b>Publications</b>		
International Journals	-	921
National Journals	1368 (Nat'l+Int'l)	2016
University Journals	-	65
Books/Chapters	133	193
Abstracts	384	812
National Seminars	600	916
International Seminars	150	206
<b>MoUs</b>		
National		03
International		13
<b>Ph.D./Research Students</b>		
Registered	206	779
URS	140	151
JRF	--	90
SRF	--	09
RGNF	--	54
INSPIRE	--	03
HSSCT	--	05
Post-Doctoral	--	05
<b>Scholar-in-Residence</b>	--	01
<b>Adjunct Faculty</b>	--	02
<b>Emeritus Professor</b>	--	03
<b>UGC Research Awardee</b>	--	01



**DETAILS OF WORKSHOPS/ TRAINING PROGRAMMES/  
SENSITIZATION PROGRAMMES CONDUCTED BY THE  
UNIVERSITY TO PROMOTE RESEARCH CULTURE.**

**Centre for Biotechnology**

1. Microbial Technology for Human Benefits Colloquium, held on 7 August 2010.
2. National Workshop on Bioinformatics, held on 14-16 September 2010.
3. Short-Term Training Course on Molecular Biology, held on 02-16 May 2011.
4. National Workshop on Molecular Evolution & Phylogenetics, held on 21-22 October 2011.

**Centre for Haryana Studies**

5. Workshop on Consumer Protection and Services, held on 31 March 2011.

**Education**

6. Workshop on Future Intel Programme in various Colleges, held from 28 May to 23 June 2007.
7. Workshop on Need-Based Model for Improving Quality of Evaluation in Semester System, held on 23 May 2009.
8. Orientation Programme for Teacher Educators on National Framework for Teacher Education held on 26-27 February 2011.

**History**

9. Workshop on Historiography of Nationalism, held on 26 March 2011.

**Environmental Science**

10. Workshop on Environmental Problems and its Mitigation, held on 26 March 2010.

**Institute of Hotel & Tourism Management**

11. Workshop on Application of SPSS Software in Research, held on 19-20 April, 2011.

**Psychology**

12. Workshop on Experimental Training and Development, held on 11 February 2010.

**Public Administration**

13. National Workshop on Right to Information and Good Governance, held on 25 March 2011.

**Geography**

14. Workshop on Applications of Remote Sensing, GIS and GPS in Natural Resource Management, held on **16 to 25 2011**.

### **Statistics**

15. National Workshop on Modeling Optimization and their Applications, held on 17-21 August 2010.
16. National Workshop on Application of Statistics, held on 28-30 March 2010.
17. National Workshop on Modeling, Optimization and their Application, held on 17-21 August, 2010.
18. Workshop on Recent Developments in Sampling Techniques and its Applications, held on 26-27, March, 2011.

### **Sociology**

19. Environment Awareness Campaign, held on 1 April 2011.

### **Physics**

20. Workshop on Material Science, held on 25 March, 2011.

### **Commerce**

21. National Workshop on Enhancing Employability Skills: Communication and Personality Development, held on 13-15 November 2010.
22. National Workshop on Analytical Techniques for Research in Commerce and Management held from 27 December 2010 to 02 January 2011.
23. Workshop on Analytical Skills For Research in Business, held on 26 November 2011
24. Workshop on Computer Applications in Research, held on 4-10 December 2011.

### **University Institute of Engineering & Technology**

25. Workshop on Robotics and its Applications, held on 17 November 2011.
26. Workshop on Optical Fiber and its Applications in Backbone Networks, held on 02 March 2012.
27. Workshop on Innovation in Electrical Power Systems, held on 14 March 2012.
28. Workshop on Academic Reforms in Engineering & Technology, held in 2009.

## NATIONAL AND INTERNATIONAL CONFERENCES HOSTED

### Botany

1. National Seminar on Biodiversity: Concerns and Solutions, held on 18 November 2009.
2. National Conference on Biodiversity: Challenges and Opportunities, held on 18-19 February 2011.
3. Symposium on GM Crops: Indian Perspective, held on 3 September 2011.

### Chemistry

4. National Conference on Thermodynamics of Chemical and Biological Systems (NCTCBS-2011), held on 2-4 November 2011.

### Centre for Biotechnology

5. National Conference on Medical Biotechnology Vision 2020, held on 16-18 April 2010.

### Centre for Haryana Studies

6. National Seminar on Consumer Protection in India, held on 5-6 November 2009.
7. National Seminar on Sir Chhotu Ram: Life and Achievements, held on 7 February 2011.

### Economics

8. National Seminar on Gender Equality and Economic Development in India, held on 22-23 March 2010.
9. Seminar on Flagship Programmes in Haryana: An Evaluation, held on 25-26 March 2010.
10. International Conference on Governance Issues & Corruption, held on 29-30 November 2011.
11. National Seminar on Haryana Society: An Overview, held on 24-25 March 2011.

### English

12. Sixth World Conference on New Urges in New Literatures in English, held on 5-6 September 2007.
13. International Conference on Shakespeare as Critic in his Time and Ours: Literary, Social, Political, held on 8-10 October 2009.

### Environmental Science

14. National Conference on Environmental and Health Issues in Changing Climate Scenario, held on 14-15 October 2010.
15. National Seminar on Environmental Challenges and Sustainable Development, held on 29-30 March 2011.

## **IMSAR**

16. National Conference on Activity-Based Learning in Professional Education, held on 12 March 2011.

## **History**

17. Seminar on Dr Ambedkar: Mission and Vision, held on 28 March 2011.

## **Institute of Hotel & Tourism Management**

18. National Conference on Emerging Trends in Hospitality and Tourism, held on 9-10 April 2011.
19. National Seminar on Tourism Linking Cultures, held on 27 September 2011.

## **Mathematics**

20. National Conference on History of Mathematics and Recent Developments, held on 20-21 December 2006.

## **Psychology**

21. National Seminar on Positive Perspectives of Health and Behaviour, held on 1-2 February 2008.
22. National Seminar on Positive Psychology and Health: Interventions and Strategies, held on 28-29 March 2010.
23. National Seminar on Community Health Psychology: Research and Applications, held on 26-27 March 2011.

## **Public Administration**

24. International Seminar on Modernizing and Restructuring the District Administration in India in the Era of Liberalization, held on 1-2 March 2006.
25. National Seminar on Good Governance, held on 27-28 February 2007.
26. National Seminar on Gender Policy in India: Problems and Prospects, held on 9 March 2010.
27. Regional Seminar on MNREGA: Its Implementation, Problems and Prospects in North Western Region in India, held on 22-23 February 2011.

## **Law**

28. National Seminar on Indian Constitution and Weaker Sections, 25th February 2006
29. National Seminar on Right to Equality: Emerging Trends, 26-27 November 2010
30. Seminar on Environment and Law, 26-27 February 2011.

## **Statistics**

31. National Seminar on Recent Developments in Sampling Techniques and its Applications, held on 26-27 March 2011.
32. Recent Developments in Sampling Techniques and its Applications, held on 26-27, March, 2011.

### **Sociology**

33. Sociological Conference on Plight of Girl Child in India, held on 15-16 December 2005.
34. National Seminar on Role of State in Social Transformation, held on 10-11 March 2006.
35. National Seminar on Agrarian Transformation in India, held on 7-8 December 2006.
36. National Seminar on Economic Reforms and Emerging Social Crisis in India held on 10-11 February 2010.
37. National Seminar on Health and its Dynamics: State, Market and Society, held on 26-27 March 2010.
38. National Seminar on Civil Society, held on 18 September 2010.
39. North West Indian Sociological Association Conference on Challenges of Social Development in North-West India, held on 3-4 March 2011.
40. Interactive Seminar on Aging, held on 13th March 2011.
41. Environment Awareness Campaign, held on 1 April 2011.

### **Zoology**

42. National Seminar on Computing Life: Raw to Refined, held on 27 March 2010.
43. National Seminar on Internet: Applications in Research, held on 26 March 2011.

### **Biochemistry**

44. National Seminar on Molecular Technique: The Face of Modern Sciences, held on 24 October 2011.

### **Microbiology**

45. Seminar on Intellectual Property-Creation and Protection, held on April 23, 2011.

### **Commerce**

46. Inter-College Symposium on Gandhian Thought of Truth and Non-violence, held on 11 September 2010.

### **University Institute of Engineering & Technology**

47. National Conference on Advances in Computing Communication Network and Electrical Systems, held on 27-28 March 2012.
48. National Seminar on Recent Trends in Biotechnology, held in 2009.
49. Seminar on Intellectual Property Rights: Issues and Challenges, held in 2010.

## MAJOR RESEARCH PROJECTS SANCTIONED BY UGC

Sr. No.	Name of the Teacher and the Department	Title of the Project	Sanctioned Amount (Rs.)
1.	Dr. Ram Sajjan Pandey Hindi	Biswi shati ke pauranik aakhayanmulak kavya mein nari	417200
2.	Dr. Shashi Mehra Public Administration	Role of NGOs in women empowerment: A study of Middle-East Haryana	469200
3.	Dr. B.S. Mehra, Sanskrit	Shrayag evam anushthan kosha	508200
4.	Dr. Harish Kumar Journalism & Mass Communication	Lok Sabha General Elections-2009: A behavioral study of political attitudes and opinions in Haryana in perspective of political communication.	288000
5.	Dr. Ravi Parkash Genetics	Resistance to environmental stress in tropical Drosophilids: Analysis of multitrail association within geographical regions	1177300
6.	Dr. Meenakshi Vashist Genetics	A study on molecular cytogenetic characterization of patients in severe mental retardations	1190000
7.	Dr. P.K. Jaiwal Biotechnology	Metabolic engineering of coenzyme Q10 in wheat	861800
8.	Dr. Sudhir Kataria Zoology	Biochemical, cytogenetics and mutagenics ..... of insecticides.	1045800
9.	Dr. Ramphul IMSAR	Globalization and competitiveness of Indian Dairy Sector	447200
10.	Dr. Anil K. Chhillar Biotechnology	Isolation, characterization and mechanism of action of anti-fungal protein from bacterial production	883300
11.	Dr. Jitender Prasad Sociology	Assessment of the role of SHGC in women empowerment. . . in Haryana	753200
12.	Dr. Neelam Choudhary Economics	An evaluation of centrally-sponsored flagship programmes in Haryana	706200
13.	Dr. Sewa Singh Dahiya Public Administration	Police personnel in Haryana Service and working	676200
14.	Dr. Sudhikant Sanskrit	Technical terms in Suryasiddhanta	808000
15.	Dr. Jitender Laura Environmental Science	<i>In Vitro</i> and <i>In Vivo</i> studies on micropropagation, transformation and Camtohecin in <i>Nothapodytes foetida</i> and <i>Ophiorrhiza</i> species	1120300

<b>Sr. No.</b>	<b>Name of the Teacher and the Department</b>	<b>Title of the Project</b>	<b>Sanctioned Amount (Rs.)</b>
16.	Dr. Renu Chugh Mathematics	Non-linear functional analysis and applications: Fuzzy and probabilistic approach	887800
17.	Dr. V.K.Sharma Chemistry	Topological and thermodynamic studies of multi-component liquid mixtures containing ionic liquids	930800
18.	Dr. Nina Singh Geography	Sub-regional backwardness in India	778300
19.	Dr.Suresh C.Malik Statistics	Reliability modeling and analysis of computer systems with software failures	718800
20.	Dr. S.K.Bansal Geography	Planning for conservation and management of natural resources at village level using remote sensing and GIS techniques in Mahendragarh District, Haryana	1094300
21.	Dr. Santosh Tiwari Genetics	Characterization of bacteriocins of lactic acid bacteria isolated from fermented foods: Search for an effective food bio-preservative	1032800
22.	Dr. Bijender Singh Microbiology	Characterization of phytase from fungi isolated from soil samples: Search for an effective feed additive for amelioration of nutritional status	1078300
23.	Dr. Krishna Kant Microbiology	Production, cloning and characterization of laccase from soil bacteria	1098300
24.	Dr. Ashwani Kr. Sharma Physics	Study of mechanical, electrical, optical, structural and other properties of nano-particles of semiconductors, metals and their oxides	1051800
25.	Dr. Vinita Hooda Botany	Effect of changing the nanoscale environment on the activity and stability of nitrate reductase	622000
26.	Dr. Surinder Kumar Economics	Evaluation of the power sector reforms: A study of the Northern Indian states	707600
27.	Dr. Rajpal Singh Commerce	Performance appraisal and behaviour of National Rural Employment Guarantee Scheme: A study of selected Districts of Haryana	569200
28.	Dr. Vinita Shukla Zoology	Effect of electromagnetic radiations on reproduction of male rat	1095000
29.	Dr. Naveen Chemistry	Anodic oxide films on metals and alloys	897500

<b>Sr. No.</b>	<b>Name of the Teacher and the Department</b>	<b>Title of the Project</b>	<b>Sanctioned Amount (Rs.)</b>
30.	Dr. Davender Chemistry	Growth and optoelectronic characterization of phosphor materials	827300
31.	Dr. Pratap Singh Chemistry	Newer metal complexes for organic light emitting devices	848000
32.	Dr. Minakshi Sharma Zoology	CNT based potentiometric biosensor for nitrate determination	1091800
33.	Dr. Raj Kumar UIET	Assessment of information hiding techniques	1083800
34.	Dr. Baljeet S. Yadav Food Technology	Antioxidant properties of some raw and thermally processed vegetables of gourd family commonly grown in India	1071800
35.	Dr. Neel Kamal Genetics	Characterization of cytogenetics and pathology in prognosis of acute lymphocytic leukemia	900800
36.	Dr. Ritu Yadav Genetics	To study the use of biomarkers in breast cancer patients by immunohistochemistry	1120800
37.	Dr. Kashyap Kr. Dubey UIET	Bioprospection and process optimization to enhance bioconversion of betulin	962800
38.	Dr. Promod Mehta Biotechnology	Detection of immunodominant antigens and antibodies samples of pulmonary and extra pulmonary . . . . PCR amplifies immunoassay	952800
39.	Dr. Surender Singh Botany	Ecological status and ethnobotanical significance of village community forests (VCF's) of District Jhajjar, Haryana, India	679800
40.	Dr. Samander Kaushik Microbiology	Rapid detection and typing of influenza A and B by reverse transcriptase-loop-mediated isothermal amplification (RT-Lamp)	915300
41.	Dr. Vikas Hooda Biotechnology	Development of organophosphorus hydrolases... pesticides in food and water samples	1457800
42.	Dr. Ritika Food Technology	Production and characterization of gluten free..... flours from pseudo cereals	1293300
43.	Dr. Anil Ohlan Physics	Synthesis of conjugated polymer and graphene based ..... electromagnetic shielding	764000



<b>Sr. No.</b>	<b>Name of the Teacher and the Department</b>	<b>Title of the Project</b>	<b>Sanctioned Amount (Rs.)</b>
44.	Dr. Asha Sharma Botany	Accumulation, partitioning and metabolic ..... grown under arsenic contaminated conditions	1423300
45.	Dr. Vinod Bala Taxak Chemistry	Synthesis and characterization of light novel metal complex for OLEDs	1283300
46.	Dr. Veena Sachdeva Botany	Stability studies on nitrate reductase in the presence of additives	325000
47.	Dr. Sarvajeet S. Gill Biotechnology	A symbiotic approach for the improvement of salt tolerance of mustard (Brassica Juncea) through Piriformospora indica: Role of antioxidant machinery	852000
48.	Dr. Sudesh Rani Zoology	Effect of replacement of fish meal in commercial aquafeeds by soybean on growth and metabolism of most valuable freshwater cultivated fish species	537500
49.	Dr. Ranjana Jaiwal Zoology	Low cost production of proinsulin in plants for the oral delivery of insulin and C-peptide	1058300
50.	Dr. Mahesh Kularia Biotechnology	To develop a support vector machine tool for identification of unique protein-protein interaction with lowest drug cross reactivity potential	673000
51.	Dr. Veer Bhan UIET	Analysis of genetic diversity in Drosophila for susceptibility to pathogens by RAPD and SSR markers	928000
52.	Dr. Ritu Gill Biotechnology	Cloning expression, purification and characterization of chromatin assembly factor 1 from human malarial parasite Plasmodium falciparum	936000
53.	Dr. Bhoop S. Gulia Fine Arts	Study of the inter-relationship of arts with traditional buildings of Haryana	754600
54.	Dr. Parmod Kumar Geography	Remote sensing, GIS and GPS based modelling in land use/ land cover transformation : A case study of Rohtak city in Haryana	884600
55.	Dr. N.P. Singh Biotechnology	Impact assessment of high temperature stress on seed protein quality of wheat	965000

<b>Sr. No.</b>	<b>Name of the Teacher and the Department</b>	<b>Title of the Project</b>	<b>Sanctioned Amount (Rs.)</b>
56.	Dr. Pooja Gulati Microbiology	Identification and characterization of interferon-mediated antibiotic resistance in <i>Escherichia coli</i> isolated from Yamuna river water	1425800
57.	Dr. Nar Singh Chauhan Biochemistry	Metagenomics analysis of human microbiome and elucidation of genes involved in catabolism of wheat dietary proteins	1230300
58.	Dr. S.R. Ahlawat Sociology	Inclusion of 'excluded communities' for social cohesion : A sociological study of PRIs in Haryana	684800
59.	Dr. Anjana Rani Public Administration	Rural entrepreneurship strategies for inclusive growth: Role of public institutions (An empirical study of selected government institutions of North India.	752200
60.	Dr. Sanjay Kumar Biotechnology	Development of a cost-effective strategy for production of recombinant human tumor necrosis factor alpha (TNF alpha) in <i>Escherichia coli</i> .	415800
61.	Dr. Puran C. Sharma Hindi	Lok-Rangmanch : Dasha aur disa (Saundhya loknatya saang)	761600
62.	Dr. Ram Naresh Mishra Hindi	Manak Hindi aur Haryanvi ka vistrut adhyayan	703800
63.	Dr. Satish Kumar Library & Information Science (University Library System)	Evaluating the use of Web Resources by faculty and research scholars in MDU, CDLU, GJU and KUK of Haryana state	859600
64.	Dr. Satish Kumar, Sh. Sunder Singh and Sh. Roop Kishore Library & Information Science (University Library System)	Digitisation of Theses and setting up of ETD Lab	2066000
<b>Total Rs.</b>			<b>57405000</b>

**Annexure 3.4**

**MINOR RESEARCH PROJECTS SANCTIONED BY UGC**

<b>Sr. No.</b>	<b>Name of the Teacher and the Department</b>	<b>Title of the Project</b>	<b>Sanctioned Amount (Rs.)</b>
1.	Dr. Rachna Bhateria Environmental Science	Bioremediation of chromium (IV) from electroplating effluent using bacterial strains	170000
2.	Dr. R.P.Garg PGRC, Rewari	-----	60000
3.	Dr. Pooja Suneja Microbiology	Molecular characterization of Rhizobia forming nodules on reverted non-modulating selections of chickpea	200000
4.	Dr. Sanjay Dahiya Physics	Synthesis of oxide glasses containing heavy metals	190000
5.	Dr. Vijay Kumar Biochemistry	To study the changes in antioxidant gene expression and induction of oxidative stress in aluminum toxicity in sorghum	125000
6.	Dr. Rajvinder Singh Genetics	Forensic diatomological analysis of some water bodies of Punjab	195000
7.	Dr. Sajjan Physics	Synthesis and characterization of Sn, Bi and Fe modified Pb based solid solutions for multiferroic properties	200000
8.	Dr. Grima Dhingra Physics	Study of microdynamics of an alkali metal and a super-cooled liquid metal	170000
9.	Dr. Savita Rathee Mathematics	Fixed point and best approximation theory	197000
10.	Dr. Seema Mehra Berwal, Mathematics	Fuzzy sets and fuzzy logic: Theory and applications	160000
11.	Dr. Rajesh Kumar Economics	Promoting energy efficiency through 'demand side management'	130000
<b>Total Rs.</b>			<b>1797000</b>

**ON-GOING MAJOR RESEARCH PROJECTS  
DURING 01-06-2011 TO 31-08-2012**

<b>S. No.</b>	<b>Name of the teacher and the Department</b>	<b>Title of the Project</b>	<b>Sanctioned Amount (Rs.)</b>
1	Dr. Vinita Shukla Zoology	Effect of electromagnetic radiation on reproduction of male rat	1095000
2	Dr. Naveen Chemistry	Anodic oxide films on metals and alloys	897500
3	Dr. Davender Chemistry	Growth and optoelectronic characterization of phosphor materials	827300
4	Dr. Pratap Singh Chemistry	Newer metal complexes for organic light emitting devices	848000
5	Dr. Minakshi Sharma Zoology	CNT based potentiometric biosensor for nitrate determination	1091800
6	Dr. Raj Kumar UIET	Assessment of information hiding techniques	1083800
7	Dr. Baljeet Singh Yadav Food Technology	Antioxidant properties of some raw and thermally processed vegetables of gourd family commonly grown in India	1071800
8	Dr. Neel Kamal Genetics	Characterization of cytogenetics and pathology in prognosis of acute lymphocytic leukemia	900800
9	Dr. Ritu Yadav Genetics	To study the use of biomarkers in breast cancer patients by immunohistochemistry	1120800
10	Dr. Kashyap Kr. Dubey Biotechnology	Bioprospection and process optimization to enhance bioconversion of betulin	962800
11	Dr. Promod Mehta Biotechnology	Detection of immunodominant antigens and antibodies samples of pulmonary and extra pulmonary ----- PCR amplifies immunoassay	952800
12	Dr. Surender Singh Botany	Ecological status and ethnobotanical significance of village community forests (VCF's) of District Jhajjar Haryana, India	679800
13	Dr. Samander Kaushik Microbiology	Rapid detection and typing of influenza A and B by reverse transcriptase-loop-mediated isothermal amplification (RT-Lamp)	915300
14	Dr. Satish Kumar Library & Information Science (University Library System)	Evaluating the use of web resources by faculty and research scholars in MDU, CDLU, GJUS&T & KUK of Haryana State.	859600
<b>Total</b>			<b>13307100</b>

**Annexure 3.6**

**ON-GOING MINOR RESEARCH PROJECTS  
01-06-2011 TO 31-08-2012 SANCTION BY UGC**

Sr. No.	Name of the Teacher and the Department	Name of the Project	Amount sanctioned (Rs.)	Amount released (Rs.)
1	Dr. Pooja Suneja Microbiology	Molecular characterization of Rhizobia forming nodules on reverted non-nodulating selections of chickpea	200000	140000
2	Dr. Sanjay Dahiya Physics	Synthesis of oxide glasses containing heavy metals	190000	145000
3	Dr. Vijay Kumar Biotechnology	To study the changes in antioxidant gene expression and induction of oxidative stress in aluminum toxicity in sorghum	125000	82500
4	Dr. Rajvinder Singh Forensic Science	Forensic diatomological analysis of some water bodies of Punjab	195000	158500
5	Dr. Rajesh Kumar Economics	Promoting energy efficiency through 'demand side management'	859600	541600
<b>Total</b>			<b>1569600</b>	<b>1067600</b>

**RUNNING PROJECTS SANCTIONED BY FUNDING AGENCIES  
OTHER THAN UGC**

<b>Sr. No.</b>	<b>Name of the Principal Investigator and the Department</b>	<b>Name of Funding Agency</b>	<b>Title of Research Project</b>	<b>Amount sanctioned (Rs.)</b>
1	Dr. S.K.Tiwari Genetics	DST	Bacteriocin production by lactic acid bacteria: Purification and characterization	18,66,000
2	Dr. S.K.Tiwari Genetics	CSIR	Characterization of halocins produced by halobacteria isolated from Pachpadra salt lake in Rajasthan	19,75,000
3	Dr. Ram Phul IMSAR	ICSSR	Economic viability of organic farming in Haryana	4,24,625
4	Dr. S.K. Gakhar Biotechnology	DBT	Population genomics of Indian Malaria Vector <i>A. stephensi</i> mosquitoes in Indian sub-continent	58,23,600
5	Dr. Minakshi Vashisht Genetics	ICMR	Evaluation of mental retardation cases in Haryana population	23,14,815
6	Dr. Ritu Gill Biotechnology	DRDO	Cloning expression and characterization of Bromodomain containing protein from human malaria parasites	9,99,975
7	Dr. S.S.Chahar Public Admn.	IIPA	A study of banking in Haryana	3,18,000
8	Dr. P.K. Jaiwal Biotechnology	DBT	Development of yellow mosaic virus resistance in blackgram ( <i>Vigna mungo</i> L.Hepper) and cowpea ( <i>Vigna unguiculate</i> L.Walp.): Transformation of blackgram and cowpea with MYMV-Vig genes	17,16,800
9	Dr. Jitender Parshad Sociology	Labour Commissioner, Haryana	To conduct survey in Districts of Mewat, Rohtak and Jhajjar and bonded labour under centrally-sponsored scheme	4,50,000
10	Dr. N.S. Chauhan Biochemistry	CSIR	Functional metagenomics to mine the human gut microbiome for dietary fiber gluton and polyphenol catabolic enzymes	50,40,000

<b>Sr. No.</b>	<b>Name of the Principal Investigator and the Department</b>	<b>Name of Funding Agency</b>	<b>Title of Research Project</b>	<b>Amount sanctioned (Rs.)</b>
11	Dr. Ravi Parkash Genetics	CSIR	Climatic stress adaptations in Drosophilids: Impact of global warming in Western Himalayas	19,50,000
12	Dr. Seema Genetics	DST	Effect of climatic change on invasion extinction of generalist as well as endemic Drosophila species from the Western Himalayas	18,80,000
13	Prof. J. P. Yadav Genetics	NMPB	Studying the impact of climate change on quality and quantity of secondary metabolites in some commercial medicinal plants	19,69,000
14	Dr. K. K. Sharma Microbiology	CSIR	Consistent production of multiple enzymes: Scale up and application in the deinking of newspaper plump	19,89,600
15	Dr. Manju Genetics	DST	Genetic and phenotypic relatedness of <i>Pseudomonas aeruginosa</i> strains from burn ward environment	27,10,000
16	Dr. K.S. Sangwan Sociology	Haryana B.C Commission, Chd.	Socio-economic survey of various castes in Haryana	59,56,000
17	Dr. Manu Bhambi Botany	DBT	Synthesis characterization of nano curcumin and its medicinal application	25,44,000
18	Dr. Bijender Singh Microbiology	DST	Thermostable and neutral phytase form bacteria and testing their efficiency in dephytinization of food immigration	24,20,000
19	Dr. K.K. Sharma Microbiology	DST	Molecular screening for the existence of laccase gene family in different white rot fungi	25,00,000
20	Dr.S.K.Gakhar Biotechnology	DBT	DBT-MDU interdisciplinary Life Science Programme for advanced research and education.	2,81,04,400
21	Dr. Seema Genetics	DST- INSA	Thermal adaptation in ectotherms: A case study of Drosophilids in Western Himalayas	90,00,000
			<b>Total</b>	<b>Rs. 81951815</b>

**SCIENTIFIC JOURNALS RANKING (SJR) AND SOURCE NORMALIZED IMPACT FACTOR PER PAPER (SNIP) OF PUBLISHED DOCUMENTS (585) AS SHOWN IN VARIOUS DATABASES DURING 2007-2012**

<b>S. No.</b>	<b>Name of Journal</b>	<b>Total Papers</b>	<b>SJR</b>	<b>SNIP</b>
1.	2008 International Conference of Recent Advances in Microwave Theory and Applications Microwave 2008	1	NA	NA
2.	2011 2nd International Conference on Computer and Communication Technology (ICCCT 2011)	1	NA	NA
3.	Acta Pharmaceutica	1	0.068	1.593
4.	Acta Pharmaceutica Scientia	9	0.03	0.464
5.	Acta Poloniae Pharmaceutica Drug Research	6	0.049	0.323
6.	Advances in Intelligent and Soft Computing	1	0.028	0.142
7.	Aerobiologia	1	0.082	1.048
8.	AIP Advances	1	NA	NA
9.	AIP Conference Proceedings	4	0.033	0.094
10.	Analyst	3	NA	NA
11.	Analytica Chimica Acta	2	0.31	2.091
12.	Analytical and Bioanalytical Chemistry	1	0.284	1.416
13.	Analytical Biochemistry	6	0.27	1.017
14.	Analytical Letters	3	0.065	0.399
15.	Analytical Methods	3	0.096	0.335
16.	Annals of Agri Bio-Research	4	0.025	0.059
17.	Annals of Biology	3	0.026	0.018
18.	Applied Mathematical Sciences	2	0.031	0.369
19.	Artificial Cells Blood Substitutes and Biotechnology	5	0.061	0.27
20.	Asian Journal of Chemistry	5	0.03	0.183
21.	Biochemical Engineering Journal	2	1.686	1.686
22.	Biologia Plantarum	2	0.067	1.332
23.	Biology and Medicine	2	NA	NA
24.	Bioprocess and Biosystems Engineering	2	0.1	1.686
25.	Biosciences Biotechnology Research Asia	4	0.026	0.069
26.	Biosensors and Bioelectronics	5	0.493	2.422
27.	Bulletin of the Korean Chemical Society	2	0.059	0.322
28.	Chemical Biology and Drug Design	2	1.194	0.614
29.	Clinical Biochemistry	3	0.189	0.938
30.	Comparative Biochemistry and Physiology: A Molecular and Integrative Physiology	2	0.124	1.155
31.	Der Pharma Chemica	5	NA	NA
32.	Displays	2	0.121	1.332
33.	E-Journal of Chemistry	2	0.043	0.7
34.	Economic and Political Weekly	3	0.026	0.063



<b>S. No.</b>	<b>Name of Journal</b>	<b>Total Papers</b>	<b>SJR</b>	<b>SNIP</b>
35.	ECS Transactions	11	NA	NA
36.	Entomological Research	3	0.032	0.224
37.	Enzyme and Microbial Technology	2	0.129	1.697
38.	European Journal of Medicinal Chemistry	7	0.164	1.712
39.	Evolutionary Ecology	3	0.13	1.002
40.	FEMS Immunology and Medical Microbiology	1	0.198	0.779
41.	Fitoterapia	1	0.086	1.669
42.	Fixed Point Theory and Applications	1	0.061	1.679
43.	Food Analytical Methods	2	0.075	0.402
44.	Food and Chemical Toxicology	1	0.125	1.361
45.	Genetic Engineering and Biotechnology Journal	1	NA	NA
46.	Green Chemistry Letters and Reviews	6	0.053	0.404
47.	(ICECT 2011: 2011 3rd International Conference on Electronics & Computer Technology	1	NA	NA
48.	ICNIT 2010: 2010 International Conference on Networking and Information Technology	1	NA	NA
49.	ICSTE 2010: 2010 2nd International Conference on Software Technology and Engineering Proceedings	1	NA	NA
50.	IFLA Journal	1	0.027	0.204
51.	In Vitro Cellular and Developmental Biology Plant	1	0.068	1.304
52.	Indian Journal of Agricultural Sciences	1	0.029	0.343
53.	Indian Journal of Biochemistry and Biophysics	2	0.056	0.486
54.	Indian Journal of Biotechnology	4	0.035	0.292
55.	Indian Journal of Chemical Technology	4	0.038	0.303
56.	Indian Journal of Chemistry. Section A-Inorganic, Physical, Theoretical and Analytical Chemistry	2	0.057	0.763
57.	Indian Journal of Chemistry. Section B-Organic and Medicinal Chemistry	7	0.042	0.453
58.	Indian Journal of Clinical Biochemistry	1	0.037	0.498
59.	Indian Journal of Community Medicine	1	NA	NA
60.	Indian Journal of Engineering and Materials Sciences	1	0.034	0.329
61.	Indian Journal of Environmental Protection	1	0.025	0.094
62.	Indian Journal of Experimental Biology	2	0.063	0.717
63.	Indian Journal of Heterocyclic Chemistry	14	0.03	0.236
64.	Indian Journal of Medical Research	1	NA	NA
65.	Indian Journal of Microbiology	2	0.052	0.579
66.	Indian Journal of Nephrology	1	0.037	0.276
67.	Indian Journal of Pharmaceutical Sciences	1	0.047	1.062
68.	Indian Journal of Pharmacology	2	0.045	0.993

<b>S. No.</b>	<b>Name of Journal</b>	<b>Total Papers</b>	<b>SJR</b>	<b>SNIP</b>
69.	Indian Journal of Physics	1	0.034	0.174
70.	Indian Journal of Pure and Applied Physics	1	0.05	0.634
71.	Indian Journal of Traditional Knowledge	2	0.03	0.313
72.	Industrial and Engineering Chemistry Research	2	0.128	1.459
73.	Industrial Crops and Products	1	0.093	1.669
74.	Insect Science	4	0.068	0.604
75.	International Arab Journal of Information Technology	1	0.027	0.338
76.	International Journal of Agricultural and Statistical Sciences	2	0.025	0.004
77.	International Journal of Biological Macromolecules	8	0.199	1.308
78.	International Journal of Chemical Sciences	1	NA	NA
79.	International Journal of Chemtech Research	2	0.031	0.318
80.	International Journal of Computational Biology and Drug Design	1	0.037	0.207
81.	International Journal of Dairy Science	1	0.028	0.416
82.	International Journal of Drug Development and Research	1	0.029	0.028
83.	International Journal of Engineering and Technology	1	NA	NA
84.	International Journal of Environmental Research	2	0.047	0.577
85.	International Journal of Green Pharmacy	1	0.033	0.567
86.	International Journal of Human Genetics	1	0.033	0.174
87.	International Journal of Mathematical Analysis	3	0.028	0.284
88.	International Journal of Modelling and Simulation	1	0.027	0.27
89.	International Journal of Performability Engineering	1	0.03	0.418
90.	International Journal of Pharma and Biosciences	1	NA	NA
91.	International Journal of Pharmaceutical Sciences	3	NA	NA
92.	International Journal of Pharmaceutical Sciences Review and Research	3	NA	NA
93.	International Journal of Pharmacy and Pharmaceutical Sciences	5	0.032	0.332
94.	International Journal of Pharmacy and Technology	1	NA	NA
95.	International Journal of Pharmtech Research	1	0.032	0.344
96.	International Journal of Physical Sciences	2	0.035	0.296
97.	International Journal of Pure and Applied Mathematics	2	0.027	0.254
98.	International Journal of Security and its Applications	1	NA	NA

<b>S. No.</b>	<b>Name of Journal</b>	<b>Total Papers</b>	<b>SJR</b>	<b>SNIP</b>
99.	International Journal of Thermophysics	3	0.063	0.722
100.	International Journal of Wireless Information Networks	1	0.04	1.876
101.	Internet Journal of Law Healthcare and Ethics	1	NA	NA
102.	Iranian Journal of Environmental Health Science and Engineering	1	0.04	0.215
103.	Iranian Journal of Pharmaceutical Sciences	1	0.029	0
104.	Journal Indian Academy of Clinical Medicine	1	0.028	0.094
105.	Journal of Advanced Pharmaceutical Technology and Research	1	NA	NA
106.	Journal of Alloys and Compounds	2	0.149	1.664
107.	Journal of Analytical Chemistry	1	0.052	0.169
108.	Journal of Applied Mathematics	2	0.034	0.625
109.	Journal of Basic Microbiology	1	0.078	0.734
110.	Journal of Biosciences	1	0.16	0.729
111.	Journal of Biotechnology	2	0.289	1.369
112.	Journal of Bronchology	1	0.034	0.173
113.	Journal of Chemical and Engineering Data	6	0.092	1.466
114.	Journal of Chemical and Pharmaceutical Research	3	NA	NA
115.	Journal of Chemical Research	3	0.04	0.161
116.	Journal of Chemical Thermodynamics	4	0.11	1.745
117.	Journal of Coordination Chemistry	2	0.058	0.756
118.	Journal of Environmental Biology	7	0.041	0.514
119.	Journal of Enzyme Inhibition and Medicinal Chemistry	2	0.08	0.706
120.	Journal of Food Science and Technology	2	0.033	0.463
121.	Journal of Inclusion Phenomena and Macrocyclic Chemistry	4	0.091	0.605
122.	Journal of Insect Physiology	3	0.154	1.376
123.	Journal of Luminescence	6	0.202	1.4
124.	Journal of Mathematics and Statistics	3	0.038	0.681
125.	Journal of Molecular Catalysis B - Enzymatic	3	0.148	1.27
126.	Journal of Molecular Liquids	7	0.085	0.999
127.	Journal of Optoelectronics and Advanced Materials	4	0.044	0.364
128.	Journal of Pharmaceutical Innovation	2	0.086	1.203
129.	Journal of Pharmacy and Pharmacology	3	0.132	0.804
130.	Journal of Scientific and Industrial Research	6	0.043	0.315
131.	Journal of Solution Chemistry	7	0.072	0.724
132.	Journal of the Indian Academy of Applied Psychology	5	NA	NA
133.	Journal of the Serbian Chemical Society	3	0.047	0.603
134.	Journal of Zoology	2	0	0

<b>S. No.</b>	<b>Name of Journal</b>	<b>Total Papers</b>	<b>SJR</b>	<b>SNIP</b>
135.	Latin American Journal of Pharmacy	3	NA	NA
136.	Letters in Drug Design and Discovery	3	0.055	0.339
137.	Materials Chemistry and Physics	3	0.146	1.502
138.	Materials Letters	2	0.164	1.532
139.	Medicinal Chemistry Research	27	0.056	0.373
140.	National Academy Science Letters	3	0.028	0.154
141.	Natural Product Research	2	0.053	0.48
142.	Novi Sad Journal of Mathematics	2	NA	NA
143.	Optical Materials	3	0.337	1.502
144.	PDA Journal of Pharmaceutical Science and Technology	2	0.043	0.309
145.	Pharma Research	3	NA	NA
146.	Pharmaceutical Reviews	2	0.026	0.079
147.	Pharmacognosy Reviews	2	0.037	0.353
148.	Pharmacology-online	2	0.029	0.369
149.	Physiology and Molecular Biology of Plants	6	0.044	0.387
150.	Plant Cell Tissue and Organ Culture	2	0.07	1.234
151.	Plant Signaling and Behavior	2	0.117	0.32
152.	Process Biochemistry	3	0.128	1.94
153.	Research Journal of Pharmacy and Technology	2	NA	NA
154.	Scientia Pharmaceutica	6	0.052	0.492
155.	Sensors and Actuators B- Chemical	6	0.293	1.775
156.	Spectrochimica Acta. Part A- Molecular and Biomolecular Spectroscopy	2	0.103	1.133
157.	Thermochimica Acta	13	0.092	1.369
158.	Transactions of the Institute of Indian Geographers	4	0.025	0
159.	WCE 2010: World Congress on Engineering 2010	2	NA	NA

## CRITERION IV

### PHYSICAL FACILITIES



Jai Jawan Jai Kisan Chowk

## 4.1 PHYSICAL FACILITIES

### 4.1.1 How does the university plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

**The University campus**, spread over an area of 697 acres with a built up area of 3,50,168 sq. meters, is well laid with the state-of-the-art buildings, and asphalted roads connecting all buildings fitted with street lights and high-mast power mercury lamps. The campus presents a spectacle of harmony in architecture and natural beauty. Besides the **Indira Gandhi P.G. Regional Centre, Meerpur, Rewari** spread over 100 acres of land and **University Institute of Law and Management Studies (UILMS)** with 5.37 acres of prime land in Gurgaon, the University has adequate infrastructural facilities for all academic, administrative, examination, and other related activities.

#### **Planning of adequate physical infrastructure**

The University focuses on its goals, and ensures proper planning and optimal utilization of its resources. All the university teaching departments and administrative units identify their annual financial requirements for maintenance of existing infrastructure, development of new physical infrastructure, enhancement of facilities in laboratories, strengthening of information and knowledge delivery systems, enhancement of co-curricular, extra-curricular, sports and other student-centric activities, etc., and submit the same with justification to the university authorities for consideration. After taking into consideration the requirements of each department/office, budgetary provisions are judiciously made in the university budget with the approval of the statutory authorities.

#### **Availability of physical infrastructure**

There are as many as 12 **teaching blocks** and other independent buildings housing 38 teaching departments. Many of the departments have separate self-contained buildings and spacious seminar/conference halls. All the departments are provided with adequate number of classrooms, well-equipped laboratories, separate sitting rooms for the faculty, and seminar rooms for academic interactions. The University has separate blocks to house its **administrative, finance, and examination branches**.

On-campus residential accommodation is provided in 16 hostels – 8 for girls and an equal number for boys. Four more hostels, 2 each for boys and girls with intake capacity of 1000 students, will be ready for occupation by the turn of March, 2013.

The **University Health Centre**, with a full-time doctor and other para-medical staff, caters to the primary health care needs of the student community and the university employees.

The **Campus School**, housed in a spacious building, meets the educational requirements of the employees' wards.

The majestic **Tagore Auditorium**, with 1850 seats and equipped with the state-of-the-art gadgetry, provides a platform to the students to give vent to their extra-curricular talents. It keeps buzzing throughout the year with cultural and other youth programmes.

The **Students Activity Centre**, another magnificent building located next door to the Auditorium, is a rendezvous for students. The Centre has all the amenities and facilities such as cafeteria, cyber café, bookshop, photocopying facilities, etc.

**World Class Swimming Pool and Indoor Gymnasium** is the central focus for MDU sports. We are unique in a sense that we offer facilities and services to both the student population and the local community.

The University has a **Holiday Home at Dhanacholi in Nainital** district of Uttarakhand where the students are encouraged to go for trekking and other youth creativities.

There is a large cafeteria to serve food and refreshments to at least 300 persons simultaneously, a **Shopping Complex** with a vegetables outlet, a flour mill, and a general store. Branches of State Bank of India and Central Co-operative Bank are the other facilities available on the campus.

The **Faculty House** with well-furnished 5 VVIP/VIP suites, 28 AC and 8 non-AC rooms, a Committee Room and a Lounge, caters to the requirements of the visiting faculty and other university guests.

**Faculty Club**, a spectacular structure, provides facilities to the teaching community for social gatherings and leisure time passing in the evenings.

The **Community Centre** meets the social requirements of the campus residents and other university community.

A modern **Printing Press** caters to the printing requirements of the university.

The University **Transport Office** supports a fleet of buses and other vehicles to cater to the students' and the teachers' transport needs.

**The Engineering Cell** ensures uninterrupted water and power supplies. The teaching blocks and the library have a generator set each to overcome the problem of electricity failure. With an eco-friendly campus as motto, thousands of saplings have been planted on the campus. In a year's time, the campus will teem with lush green trees accompanied by soothing landscape. The University has a nursery, a rose garden, a botanical garden, and a garden for medicinal plants.

Master Plan, indicating campus area and locations of buildings, is displayed in **Annexure – 4.1**.

### **Optimal utilization of physical infrastructure**

The University endeavors to ensure optimal utilization of its resources. Some facilities such as classrooms, language lab, and computer labs are shared by different departments by staggering and appropriately adjusting the timings of teaching classes. Costly scientific equipments are accessible to all the departments for use. Some facilities like library and sports are also made available beyond working hours as well as on holidays. Besides, the facilities and services like university auditorium, conference halls, sports complex, and community centre are also provided to local community.

#### **4.1.2 Does the university have policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.**

The University has been vigorously pursuing upgradation of its infrastructural facilities with the changing scenario on the academic front. The replacement of traditional classrooms with smart classrooms equipped with e-podiums, interactive panels, and latest audio-visual aids are in the offing.

The **Central Instrumentation Lab** is being strengthened by the introduction of specific and sophisticated equipments. The facilities for proteomics and genomics have been planned for development by the end of current financial year. Other instruments like MS/MS, Flow Cytometer and Atomic Force Microscope have been planned for the next plan.

Separate spacious buildings with facilities such as well-equipped labs, internet connectivity, IP-based telephone facilities, modular furniture, etc. have been added for housing the Institute of Hotel and Tourism Management, University Institute of Engineering & Technology, Centre for Biotechnology, Centre for Bioinformatics, Centre for Medical Biotechnology, Department of Microbiology and other Bioscience departments.

Putting a robust campus-wide network in position and providing more than 3500 network points in all the new and old buildings is a landmark achievement, and is a big leap forward towards university's goal of total e-Governance.

Establishment of a Language Lab for improvement of communication skills is another important accomplishment. New communication system, an amalgam of internet and IP-based telephone facilities, has been put into place in every teacher's room and administrative branch. This facility is unique to this university campus in this part of the country.

#### **4.1.3 How does the university create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?**

The University has adequate well-furnished classrooms equipped with latest audio-visual aids and ICT gadgets – LCD/digital projectors along with motorized screens, TVs, multimedia systems, etc. – to provide a fillip to the traditional pedagogy of teaching. Conversion of traditional classrooms into smart classrooms equipped with e-podiums, interactive panels, and other gadgetry is a short while away; in fact, some such classrooms have already been set up.

The science labs are rich in their inventory of a variety of instruments and equipments, which have been named and listed in detail under Section 3.3.1.

**Seminar/conference halls** are shared by the departments whenever required. Academic activities are further backed by university library system having a rich collection of knowledge and information resources.

The University has robust **Campus Wide Network** - an amalgam of OFC and **Wi-Fi** technologies, with 1 Gbps internet bandwidth. All the departments/offices/hostels are linked to the Campus Network. There is a **Computer Centre** in the university to cater to the common needs of students, research



scholars, teachers, and other staff. However, each teaching block has its own computer lab too.

#### **4.1.4 Has the university provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?**

**Yes**, each department in different Teaching Blocks and also Administrative Block, Auditorium, Sports Complex, Students Activity Centre, or Library, have separate office rooms, and rest rooms for men and women, students and staff. The University is conscious of the need for common room facilities for the students, and the same have, therefore, been provided at required locations.

#### **4.1.5 How does the university ensure that the infrastructure facilities are disabled-friendly?**

The University takes care of the interests of differently-abled students, and teaching and non-teaching staff. Ramps, railings and modified toilets are being provided in various university buildings. Besides, classes and examinations of such students are held on the ground floor.

In Vivekananda Library, reading, OPAC and internet facilities are available on the ground floor for the convenience of the differently-abled students. Such students can go into the Library with their wheelchairs. Plans are afoot to provide a lift in the library to facilitate their visit to the 1<sup>st</sup> and 2<sup>nd</sup> floors. The UIET Library, located on top floor of the building, has been shifted to the ground floor just to meet the requirements of differently-abled persons.

#### **4.1.6 How does the university cater to the requirements of residential students? Give details of**

- \* **Capacity of the hostels and occupancy (to be given separately for men and women)**
- \* **Recreational facilities in hostel/s like gymnasium, yoga centre, etc.**
- \* **Broadband connectivity / Wi-Fi facility in hostels.**

Maintenance of salubrious and caring environment in the hostel complexes and provision of hygienic food at reasonable rates always remain the primary concern of the university authorities. Mess in each hostel is run by the residents on cooperative basis. The hostels are furnished with all the basic amenities such as kitchens, dining halls, geysers for supply of hot water, water coolers with water purifiers, ceiling fans, inverters for uninterrupted power supply to messes, STDs, canteens, visitors' rooms, etc. Every hostel has a well furnished Guest Room.

Each Girls' Hostel is looked after by a Lady Warden. The University has decided to create common night reading facility in girls' hostel complex. Friendly environment, well-maintained grassy lawns with beautiful flowerbeds, help in making the students' hostel stay quite enjoyable. The Girls Hostel complex will soon have a small Health Centre, and a dedicated guest house having 8 bed rooms, apart from shops for essentials for the residents. In case of emergencies, timely medical attention and transportation are also provided.

**Intake Capacity:** The University provides residential accommodation on the campus to about 3800 students in its 16 hostels – eight each for girls and boys.

In order to offset the increasing demand for accommodation in the hostels due to introduction of new courses, 2 more hostels, one each for boys' and girls' are under construction, each with accommodation for 240 residents. The new hostels will be ready by the turn of March 2013.

### **Hostel Occupancy**

#### **Women**

Number of hostels available = 8

Number of girls staying in hostels = 2000

#### **Men**

Number of hostels available = 8

Number of boys staying in hostels = 1800

**Recreational facilities:** The common room of each hostel is provided with the facilities like TV and newspapers/magazines. Hostels also arrange cultural programmes, debates, quiz, and other extra-curricular activities and indoor sports activities to promote talent and community living among the students. Wardens and other hostel officials along with student representatives ensure availability of all the required facilities.

**Broadband connectivity / Wi-Fi facility:** University has a robust campus wide network through OFC and Wi-Fi connectivity with 1 Gbps bandwidth. Research Scholars' hostel has been provided Wi-Fi internet connectivity. This facility is being extended to all the hostels; it will hopefully be in position by the end of November 2012. There is a provision for establishing cyber café in the Girls' Hostels complex. Besides internet surfing, the cyber café will have facilities for computer printing, typing, photocopying service, packaged eatables, and coffee.

#### **4.1.7 Does the university offer medical facilities for its students and teaching and non-teaching staff living on campus?**

**Yes**, the University Health Centre, with a full time doctor and other para-medical staff caters to the primary health care needs of the student community, and the university employees and their families. Free medical treatment is provided to the students.

Pt. Bhagwat Dayal Sharma University of Health Sciences is located in close proximity of the University, where the employees can get out-patient and in-patient treatment. The in-patient treatment of the employees is reimbursable in designated hospitals as per State Government rules.

#### **4.1.8 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?**

##### **a) Promoting students' interest in sports:**

For harnessing the potential of the youth and promoting students' interest in sports, the University has created excellent infrastructure. **The sports complex** has a 400 m 8-lane track (grassy), 1 Football Ground, 1 Hockey Ground (Grassy), 2 Volley Ball Courts with flood lights, 4 Badminton Courts with flood lights, 1 ultra **modern Gymnasium Hall** including Gym facility with capacity of 100 spectators (60m x 25m), 1 Wrestling Hall with Mats, 2 Kabaddi Courts, 2 Kho-Kho Courts, 2 Handball Courts (Indoor & Outdoor), 2 Basket Ball Courts, 1 Lawn Tennis Court with flood lights, 1 Table Tennis

Hall, 1 Boxing Hall with 2 Boxing Rings, 1 Weight Lifting Platform, 1 Judo Hall with 2 sets of mats, sets of Gymnastics equipments, 1 Squash Court, and 1 Swimming Pool of international standard. Synthetic athletics track, cricket ground, and Astroturf hockey ground of international standards will be ready by the turn of academic session 2013-14.

The Directorate of Sports always keeps sufficient stockpile of sports material and kits to facilitate sports activities. Regular coaching in specialized games and sports by experts lends support and guidance to student sportspersons in enhancing their sports skills.

The University has produced 124 sportspersons of international repute, including 10 Arjuna and 8 Bhim Awardees, who brought laurels not only to the University and the State, but to the country as a whole. The University secured 1<sup>st</sup> position in the overall events during 2010-2011. These achievements could be possible only due to splendid sports facilities which the University provides to its students.

#### **b) Promoting students' interest in cultural events/activities**

The University has a majestic fully air-conditioned **Tagore Auditorium** with a seating capacity of 1850 and equipped with all modern gadgetry and amenities, a spacious fully air-conditioned **Dr. B.R. Ambedkar Hall** with a seating capacity of 250, and a magnificent **Students Activity Centre**, furnished with all amenities which a student can think of. These facilities provide an excellent platform to the students for showcasing their talent for cultural and literary events, and many co-curricular activities.

The Auditorium is also used for screening of films of social relevance for the students and the other university community. Competitions for folk songs, paintings, debates, acting and other co-curricular activities such as Kavi Sammelans and Mushairas, quiz contests are organized from time to time to harness the talent of the youth.

A magnificent 'Yajnashala' with serene aura offers a platform to inculcate high values in the minds of the students and the other campus community alike.

## **4.2 LIBRARY AS A LEARNING RESOURCE**

### **4.2.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?**

Yes, the university library system has a Library Committee with Vice-Chancellor as its Chairman, all the Deans and HODs, Registrar and two Research Scholars as Members, and the University Librarian as Member-Secretary, to provide guidance for a structured, balanced and innovative growth of the library. The Committee considers budgetary requirements of the Library and approves the discipline-wise budget allocation as per the requirements of the users. The Committee also approves the development proposals of the library, policies for purchase of books and subscription of journals, staff requirements, job description of the staff, and advises the

Executive Council thereto. In fact, the Library Committee frames all the library rules and policies, while the University Librarian implements the same.

The Library, under the guidance of the Library Committee, has taken several innovative initiatives to make the library services and its learning resources students/ teachers-friendly. Some of these initiatives are as follows:

- i) User orientation programmes are organized to educate the students and the teachers to make them aware of the information services provided by the library, and to upgrade their skills to use various ICT-based library services.
- ii) New arrivals are exhibited prominently in the library. Books from the existing stock are also displayed at a prominent place from time to time.
- iii) Reading areas have been air-conditioned.
- iv) A new generator set has been installed to ensure uninterrupted alignment power supply to the library.
- v) Internet facility has been created in the library which is a motivating factor to induce an urge in the students and the teachers to visit the library to use its resources.
- vi) Facilities for online access to e-journals and other e-materials have been created.
- vii) All library operations have been automated. It is an important initiative that facilitates the use of books and other reading material. For example, online catalogue, accessible from the desktops and laptops of the users through Intranet and Internet, reveals the library resources, notifies new arrivals, and helps users to locate books of their interest from home/office/lab.
- viii) Competent and qualified library professionals, manning the Reference Desk in the library, help the library users to trace information of their interest.
- ix) Library provides comfortable reading chairs and tables, ensures supply of purified drinking water, and maintains utmost cleanliness.
- x) A reading Hall with over 250 seating capacity has been set-up. It keeps open 7x24. This Hall is always packed with the students.

#### **4.2.2 Provide details of the following:**

- \* **Total area of the library (in Sq. Mts.)**
- \* **Total seating capacity**
- \* **Working hours (on working days, on holidays, before examination, during examination, during vacation)**
- \* **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**
- \* **Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection**

**Area of the Library:** Strategically located, **Vivekananda Library**, with excellent state-of-the-art computer facilities, cozy reading environment, and comfortable furniture, is housed in a magnificent 3-storey building with

7803.86 sq. m. (84000 sq. ft.) carpet area and a seating capacity of 963 with another 1300.64 sq. m. (14000 sq. ft.) carpet area and 315 reading seats in its five offshoots.

**Working hours:**

The library remains open for 360 days in the year and observes the following timings:

- |      |  |   |
|------|--|---|
| i.   | Working days and Saturdays<br>(including examination days)                               | 9.00 a.m. to 8.00 p.m.  |
| ii.  | Sundays and other holidays including Saturdays if any Gazetted holiday falls on this day | 9.00 a.m. to 5.00 p.m.  |
| iii. | Check-out Check-in   | 9.00 a.m. to 6.00 p.m.  |
| iv.  | Reading Halls on 1 <sup>st</sup> and 2 <sup>nd</sup> Floors                              | 9.00 a.m. to 6.00 p.m.  |
| v.   | Reading Hall (Rear) with 250 seats   | Round-the-clock throughout the year including Sundays, Saturdays, and other holidays. |

**Layout of the library:**

The university library system comprises central library named as Vivekananda Library and five satellite libraries – IMSAR Library, Engineering Library, Mathematics Library, Law Library, and Hotel and Tourism Library. The physical layout of Vivekananda Library is given below:

**LIBRARY LAYOUT**

<b>Name of Area</b>	<b>Location</b>
<b>Offices</b>	
Librarian’s Room	First Floor
Deputy Librarian (Research and Planning)	Second Floor
Deputy Librarian (IT)	First Floor
Asst. Librarian (Readers’ Services)	Ground Floor
Asstt. Librarian (Circulation)	Ground Floor
Asst. Librarian (Acquisition)	Ground Floor
Asst. Librarian (Technical Processing)	Ground Floor
Asst. Librarian (Periodicals)	Ground Floor
<b>Services and Collections</b>	
IT Zone (Internet Services)	First Floor
OPAC Services	Ground Floor
Internet and OPAC facilities for differently-abled persons	Ground Floor
Browsing Room	Ground Floor
Reading Halls	Ground, First & Second Floors

<b>Name of Area</b>	<b>Location</b>
24x7 Reading Hall	Ground Floor in Extension Wing (Rear Entry)
Stack Areas (Books)	Ground, First & Second Floors
Stack Areas (Journals) (Back Sets)	Second Floor of Extension Wing; Entry from top floor of Main Library
Research Carrels	First and Second Floors
Videoconferencing Facility	First Floor
Dept. of Library & Information Science	First Floor of Extension Wing (Entry from First Floor of Main Library)
Drinking Water Facilities	All Floors
Public Conveniences	All Floors

**Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection:**

Ramps have been provided to facilitate the visits of the differently-abled persons to both the main library as well as 24x7 reading hall. OPAC and internet facilities are located on the ground floor. The library staff is ever ready to provide necessary help and support to such persons. Fire extinguishers have been installed at strategic locations on each floor. Plans are afoot to provide a lift in the library to facilitate their visit to the 1<sup>st</sup> and 2<sup>nd</sup> floors. The UIET Library, located on top floor of the building, has been shifted to the ground floor just to meet the requirements of differently-abled persons.

**4.2.3 Give details of the library holdings:**

- a) **Print (books, back volumes and theses)**
- b) **Average number of books added during the last three years**
- c) **Non Print (Microfiche, AV)**
- d) **Electronic (e-books, e-journals)**
- e) **Special collections (e.g. text books, reference books, standards, patents)**

**a) Print (books, back volumes and theses)**

Statistical information about the print and e-resources available in the library as on 30.6.2012 is given in the table below:

<b>Print Resources</b>	<b>Number</b>
Books	3,00,022
Current journals	553
i. Indian journals	435
ii. Foreign journals	118
Peer reviewed journals	492
Back volumes of journals	48,325
Theses	14,767

**b) Average number of books added during the last three years**

Library Resources	Year before last (2009-2010)		Year before (2010-2011)		Current Year (2011-2012)	
	Number	Total Cost	Number	Total Cost	Number	Total Cost
Text books	5,341	15,94,639	8,524	30,26,583	13276	60,34,836
Reference books	2962	21,52,847	6,257	95,17,167	14589	96,65,417
Journals excluding e-journals	550	48,09,900	743	63,26,455	743 (Print)	86,84,513
Theses	141	--	204	--	243	--

**c) Non-Print (Microfiche, AV)**

Non- Print Resources	Number
AV (Audio-Visual) resources	1,082

**d) Electronic Resources (e-books, e-journals)**

Electronic Resources	Number
e-journals (UGC-Infonet Consortium)	6,049
e-journals (Open Access)	200
CDs/ DVDs	1,627
e-Databases including 549 e-journals (University Funded)	Manupatra, Emerald Management Plus, MLA International Bibliography, SCOPUS and DELNET IPC (Pharmaceutical Collection)

**e) Special collections (e.g. text books, reference books, standards, patents)**

Special collections	Number
Textbooks	79,405
Reference books (excluding textbooks, theses and back sets of journals)	2,20,617
Book titles as on 01.10.2012	1,98,673
Magazines + Newspapers	32+18
Materials acquired under special schemes (IEEE, ACM, NBHM, DST etc.) (included in the figures for textbooks and reference books given above)	14,605
Competitive examinations	1,291

**4.2.4 What tools does the library deploy to provide access to the collection?**

- \* **OPAC**
- \* **Electronic Resource Management package for e-journals**
- \* **Federated searching tools to search articles in multiple databases**

- \* **Library Website**
- \* **In-house/remote access to e-publications**

Open Access practice in vogue in this library system provides to library users an environment of unhindered access to the learning resources, which inspires them to make the best use of library services. Students, teachers, and other employees of the University are issued barcoded library cards for entry to and borrowing books from the library. The library users are free to visit the stack area, browse the books, choose the book (s) of their interest, and borrow them for reading out of library premises.

The university library system uses LibSys 7 software to automate its operations and services. It will not be out of place to mention here that all the library operations including its catalogue (OPAC) were automated in 2010. Access to library resources is provided through the Library Portal linked to the university website. The library users can access the OPAC through University's Intranet as well as Internet, while full text e-resources are accessible through PCs connected to the Campus Network. 'Digital Library' link on the Library Portal provides access to a large number of e-resources including e-journals, e-theses, e-census of India, e-reference sources, e-govt. publications, university subscribed e-journals and databases, DELNET, and many more. Federated search facility is provided through Knimbus. Thus, the knowledge resources in the Library are just a click away from the knowledge seekers.

**4.2.5 To what extent is ICT deployed in the library? Give details with regard to Library automation**

<b>Total number of computers for public access</b>	86
<b>Total numbers of printers for public access</b>	05
<b>Internet bandwidth speed</b> □2mbps □10 mbps □1 GB	1 Gbps
<b>Institutional Repository</b>	Yes
<b>Content management system for e-learning</b>	Yes
<b>Participation in resource sharing networks/ consortia (INFLIBNET)</b>	Yes

The University has entered into an MoU with the INFLIBNET Centre for sharing of resources through the latter's IndCat (Online Union Catalogue of Indian Universities), Shodhgangotri (a database of approved synopses), and Shodhganga (a reservoir of Indian Theses) projects. Multimedia Library, Information Kiosks, and Internet Lab are other important facilities provided to the library users.

Some knowledge products and resources are institute/university specific as these are available in that institute/university only. Such knowledge products/resources encompass M.Phil. and Ph.D. theses, Course Catalogues, Case Studies, Question Banks, e-Course Material, Annual Reports, House Journals, Newsletters, University Calendar, Policy Documents, and so on. A systematic effort to develop and maintain an Institutional Knowledge Repository of these resources, digitize them, and make them accessible online would facilitate their potential use for extracting maximum value from them. The Library, with its eyes set on this vision, has **submitted a Project entitled**



**“e-Institutional Knowledge Repository” to the UGC for financial assistance of Rs. 70.00 lac.** This Project envisions the creation of full text database of the university-specific knowledge resources. In the meanwhile, the Library has started uploading of Ph.D. theses from 2011 onwards on its in-house developed software. Over 250 theses have already been uploaded and put in public domain.

The library also maintains a separate Archives Section comprising collection of Ph.D. and M. Phil. theses, proceedings of different decision-making bodies of the University, art books, etc. These archival materials are stored separately subject to monitored entry. Though the theses are used extensively, their use is subjected to some restrictions. For instance, photocopying from theses is not allowed to check plagiarism. Documents from this collection are not lent for outside reading.

The library provides access to more than 6049 e-journals subscribed through UGC-Infonet interface and the rest 749 subscribed out of university’s own resources. Besides, the library subscribes to the following IP-based databases out of its own funds:

- i. Emerald Management Plus:** It is a database of more than 245 e-journals and other literature in Management, Library and Information Science, and other disciplines.
- ii. SCOPUS:** It is a database of abstracts of articles published in over 18000 science and social science disciplines.
- iii. Manupatra:** It is a database of legal cases decided by the Supreme Court of India, all High Courts, Administrative Tribunals, Govt. legal notifications, etc.
- iv. MLA International Bibliography:** It is a bibliographic database of English Literature
- v. DELNET IPC (Pharma. Collection):** It is a database of e-resources in Pharmaceutical Sciences.

Since the access is IP-based, both teachers and students can access all the above resources from their desktops and the PCs installed in the Internet Labs of the library and the departments/institutes.

#### **4.2.6 Provide details with regard to**

* <b>Average number of walk-ins per month</b>	51,025
* <b>Average number of books issued/returned per month</b>	9240
* <b>Ratio of library books to students enrolled</b>	49:1
* <b>Average no. of books added in the last 4 years</b>	17857 per annum
* <b>Average number of login to OPAC per month</b>	2261
* <b>Average number of login to e-resources</b>	24,800
* <b>Average number of e-resources downloaded/ printed</b>	7591
* <b>Number of IT literacy training organized</b>	05

#### 4.2.7 Give details of specialized services provided by the library with regard to

- \* **Manuscripts**
- \* **Reference**
- \* **Reprography**
- \* **Inter-library Loan Service**
- \* **Information Deployment and Notification**
- \* **OPACS**
- \* **Internet Access**
- \* **Downloads**
- \* **Printouts**
- \* **Reading list/Bibliography compilation**
- \* **In-house/remote access to e-resources**
- \* **User Orientation**
- \* **Assistance in searching Databases**
- \* **INFLIBNET/IUC facilities**

Reprographic service is another step towards bridging the gap between the knowledge seekers and the knowledge resources. This service has been outsourced. Five photocopiers in Reprographic Unit are available at very cheap rates, just 40 paise per exposure. Library procured 49 printouts from other libraries for the research scholars of the University during 2011-12.

The library organizes awareness and orientation programmes from time to time to sensitize and educate library users to understand knowledge organization in the library, know their privileges, and acquire skills to use **Online Public Open Access Catalogue (OPAC)**, conduct literature survey, trace information from information sources, and use e-resources. Five such programmes were organized during June 2011- May 2012. New arrivals are displayed at a prominent place in the library to promote their use. The library brings new arrivals to the notice of the students and teachers through its OPAC service.

The internet services are used extensively by the faculty, research scholars, and students alike for literature search, correspondence, and other literary purposes. Facility for internet surfing, access to 6049 full text e-journals subscribed through UGC-Infonet Consortium, and access to databases including 549 e-journals subscribed by the University out of its own funds is provided by the library in the Internet Lab. Teachers are provided this facility on their desktops. Research scholars are allotted 'password' to use Internet on their laptops/desktops. Internet Lab opens from 9.00 a.m. to 6.00 p.m. on all working days and Saturdays. More than 310 users visit the Internet Lab daily.

The library has a Readers' Services Division including a Reference Desk, headed by a senior library professional, to help the library users trace the books, find specific information from reference sources, or seek guidance in the use of library services.

The safety of library materials is ensured through regular watch and ward by the security staff. Applications of RFID technology for self check-out check-in and CCTV surveillance system to enhance library security are in the process of commissioning.

#### 4.2.8 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

Keeping pace with the emerging requirements, the university library spent a sum of Rs.7,21,28,488 on the enrichment of its knowledge and information resources during 2006-07 - 2011-12. A sum of Rs. 3,15,22,414 is estimated to be spent during 2012-13 out of university budget, with another Rs. 30.00 lac from UGC. The amount of investment made on books/journals during 2006-07 – 2011-12 is given below:

##### Books

Sr. No.	Year	No. of Books	Expenditure
1.	2006-2007	5095	Rs. 13,12,331
2.	2007-2008	10516	Rs. 43,11,998
3.	2008-2009	5,795	Rs. 38,52,579
4.	2009-2010	8,303	Rs. 37,47,486
5.	2010-2011	14,781	Rs. 1,25,43,750
6.	2011-2012	-	Rs. 1,57,00,253
7.	2012-2013	-	Rs. 2,45,22,414 (Provision)

##### Journals

Sr. No.	Year	Journals		e-Resources	Expenditure (Rs.)
		Indian	Foreign		
1.	2006-07	435	104	-	4097691
2.	2007-08	435	104	-	4741192
3.	2008-09	435	104	-	4809240
4.	2009-10	435	104	-	4809900
5.	2010-11	435	118	5300 e-journals + 3 databases	8326455
6.	2011-12	435	118	5300 e-journals + 4 databases	8684513
7.	2012-13			6049 e-journals + 5 databases	10000000 (Provision)

#### 4.2.9 What initiatives has the university taken to make the library a 'happening place' on campus?

The University has taken numerous initiatives to make library a vibrant and responsive unit. A brief elaboration of the initiatives is given below:

- The University has created 24-hour reading facilities for the library users.
- Internet Lab with over 80 PCs has been set up to provide internet services.
- A generator set of 125 KVA capacity has been installed to ensure uninterrupted power supply.
- Reading Halls have been air-conditioned to provide cozy reading environment.

- e) All library operations including catalogue, circulation system, etc. have been automated to offer online services to the library patrons.
- f) Reference desk has been established to help the library users to find literature of their interest.
- g) Orientation programmes are organised to equip the library users with skills to use the library resources independently.
- h) Internet bandwidth has been enhanced from 14 Mbps to 1Gbps
- i) Access to over 6049 e-journals and databases through the UGC-Infonet gateway and university's own channels has been ensured.
- j) Barcoding of entire collection has been accomplished.
- k) Multimedia Library with 20 PCs has been established
- l) Over 600 new comfortable reading chairs have been added in the Reading Halls.
- m) 08 Information Kiosks have been installed in Vivekananda Library and all its satellite libraries to provide access to library resources.
- n) CCTV surveillance system will be put in place by November 2012 to make library more secure.
- o) Lift will be put in place by the turn of the next financial year to make library differently-abled persons-friendly.
- p) Library staff has been given incentive in the form of honorarium for keeping the library services open on Saturdays, Sundays and other holidays throughout the year.
- q) Enough funds are allocated to the library for strengthening of its learning resources.

**4.2.10 What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?**

The Library gets feedback from the staff and students by using face-to-face mechanism in the day-to-day working time. Formal written complaints received from the library users are given due attention and recorded for future consideration. Users get personal attention and feel that their issues are recognized. Suggestions given by the library users are quickly responded to and problems resolved if any. The UGC, vide letter no. 5-643/2010 (HRP) dated 22.08.2012 has sanctioned a project worth Rs. 8,59,600.00 to conduct a survey of the use of web resources by the faculty and research scholars in four Haryana universities including M.D. University. The survey findings will provide a good feedback to the library to improve its services, particularly with regard to the use of e-resources.

**4.2.11 List the efforts made towards the infrastructural development of the library in the last four years.**

- a) Extension Wing of the Library was completed at a cost of Rs.276.67 lac in 2007.
- b) 24-hour reading facilities were created in the Library's Extension Wing in 2008.

- c) Campus Wide Network and IP-based telephone system were commissioned in 2008.
- d) Internet lab with 30 PCs was established in 2008.
- e) New Generator set of 125 KVA capacity was installed in 2009.
- f) Rear Reading Hall and other reading areas were made air-conditioned in December 2009, December 2011 and again in June 2012.
- g) LibSys software for computerization of library operations was upgraded in 2009 and then in 2011.
- h) Internet bandwidth was enhanced from 14 Mbps to 1Gbps in Sept. 2010.
- i) Library started providing access to e-journals through the UGC-Infonet gateway in 2008. It was further strengthened in 2010 to provide access to over 5300 e-journals.
- j) Links for access to more than 100 Open Access Journals were created in 2010, and further added another 100 journals over the period.
- k) Catalogue was computerized in May 2010.
- l) Barcoding of 2.8 lac volumes of books was accomplished in May 2010.
- m) Automated Circulation System was implemented in July 2010.
- n) Videoconferencing facility was created in March 2010.
- o) Multimedia Library with 20 PCs was established in March 2010.
- p) Renovation in the interior and face lifting was accomplished during December 2009 - September 2010.
- q) Internet Lab was further renovated, air-conditioned and strengthened by addition of 50 new and replacement of 30 old PCs in Feb. 2010.
- r) Five hundred reading chairs were added in 2011.
- s) Three Information Kiosks were installed in 2011 – 02 in Vivekananda Library and 01 in IMSAR Library - for accessing OPAC and e-resources of the library.
- t) Library started subscription of 4 IP-based databases – SCOPUS, Emerald Management Plus, Manupatra, and MLA International Bibliography in 2011.
- u) A Reading Hall with 100 seats was added in September 2012.
- v) DELNET IPC (Pharma. Collection) service was introduced in Sept. 2012.
- w) One hundred Reading Chairs were added during 2012.
- x) One each Information Kiosk was installed in Law Library, IHTM Library, and UIET Library during 2011-12.
- y) RFID technology implementation is in progress. RFID tags have already been applied to one lac volumes.
- z) Renovation of 1<sup>st</sup> and 2<sup>nd</sup> floors was accomplished during June-Oct. 2012.
- aa) One server and three PCs were added during September 2012.

### **4.3 IT INFRASTRUCTURE**

#### **4.3.1 Does the university have a comprehensive IT policy with regard to**

- **IT Service Management**
- **Information Security**

- **Network Security**
- **Risk Management**
- **Software Asset Management**
- **Open Source Resources**
- **Green Computing**

The University fully complies with the provisions of and guidelines provided in the Information Technology Act, 2000 as amended from time to time. Respecting the anti-piracy laws of the country, the University does not permit the use of pirated/unauthorized operating systems, applications softwares, application development tools, or any other type of software on its servers, desktops and laptops. Purchase of licensed software along with the hardware, wherever required, is the set policy of the University. Necessary action is taken if any violation comes to the notice of the university authorities.

The university databases are well-guarded against hackers and unauthorized persons. The students, teachers and other employees who wish to use university's Wi-Fi and other network facilities including university maintained Internet Labs are assigned username and passwords so as to dispel the intrusion by the unauthorized persons. It is thus ensured that only authorized users have access to the university databases through multilayer password system.

The University Computer Centre, headed by a Director and supported by a Sr. System Analyst, two System Analysts and other staff is responsible for the Campus Wide Network maintenance and security. All the systems, necessary for network and information security are in position. In fact, the University has already initiated action to establish its Datacenter, enhance network efficiency and ensure full network security using state-of-the-art UTM technology at a cost of Rs. 190 lac. The UTM technology will secure the network against intrusion by the unauthorized persons, keep it virus-free, and manage the distribution of bandwidth.

Several measures have been taken to contain the risk of network and datacenter failure. These measures include uninterrupted power supply, parallel servers for data mirroring, maintenance of data at other locations, maintenance of data in tapes, installation of fire extinguishers in the Computer Centre and other strategic locations, air-conditioned environment in server room, and restricted entry to the server room.

Attempt is made to ensure that the University's IT resources are used only for academic, research, and official purposes. Adult/porn websites are blocked. Use of Facebook and such other sites is always under the scanner. Even sending unsolicited bulk e-mail messages is considered a violation of the University IT Policy.

The University is well conscious of the adverse environmental impact of information technology, and, therefore, encourages the purchase of such IT equipments as are least power-hungry to promote green computing, For instance, purchase of power-up and power-down energy-intensive peripherals such as laser printers is restricted, use of liquid-crystal-display (LCD) monitors rather than cathode-ray-tube (CRT) monitors is encouraged, and use

of laptops and notebook computers rather than desktop computers is promoted.

#### **4.3.2 Give details of the university's computing facilities i.e., hardware and software.**

<b>Number of systems with individual configurations</b>	1500
<b>Computer-student ratio</b>	1 : 10.4
<b>Dedicated computing facilities</b>	Bioinformatics Centre (DBT funded)
<b>LAN facility</b>	Robust Campus Wide Network wrapped around Wi-Fi and OFC technologies
<b>Proprietary software</b>	LibSys, Statistica, Yashara, DNA-Star, Sybpt-Tripos ASAR-Comfa, University's own software developed for computerisation of University functions
<b>Number of nodes/ computers with internet facility</b>	1500
<b>Any other (please specify)</b>	
<b>Number of network points in the university</b>	3500

#### **4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

The University has been augmenting its IT infrastructure to match its growing academic and administrative needs with the replacement of obsolete and addition of latest hardware and software. This is evident from the budgetary provision of Rs. 190 lac made under e-Governance budget head, and another Rs. 574.61 lac made under the budget heads of various departments for upgradation and enhancement of IT infrastructure during 2012-13.

The University has following ongoing and future plans for upgrading the IT infrastructure and associated facilities.

- i) Establishment of Datacenter at cost of about Rs. 190 lac (would be in place by the end of December 2012).
- ii) Provision to provide a computer on each seat in the Administrative Block and Examination Block (likely to be ready by March 2013).
- iii) Provision for internet access in all the hostels by the end of Nov. 2012.
- iv) Plan to make internet facility available at residences of teachers during XII Five Year Plan.
- v) Conversion of all classrooms into smart classrooms during XII Five Year Plan.
- vi) Provision of computer Tablets to students during XII Five Year Plan.
- vii) Provision of laptops in place of PCs to all teachers during XII Five Year Plan.

#### **4.3.4 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided**

**to the staff and students for quality teaching, learning and research.**

The students and the faculty are provided access to the following learning resources and other knowledge and information databases for quality learning, teaching, and research in addition e-resources as described in Section 4.2.5.

<b>Sr. No.</b>	<b>Program</b>	<b>Academic ID advantage</b>
1	Dalton 2011	Academic free
2	Emolecules	Academic free
3	Pymol	Academic free
4	Jmol	Academic free
5	Arguslab	Academic free
6	Ghemical	Academic free
7	TURBOMOLE	Low Cost Academic License
8	GRID	Academic free
9	DRAGON	Academic free
10	COLUMBUS	Academic free
11	GAMESS	Low Cost Academic License
12	VLifeQSAR	30 days Academic trial
13	Ligandscout	30 days Academic trial
14	Chamanon	Academic free
15	Autodock	Academic free
16	Rasmol	Academic free
18	Chimera	Academic free
19	Gromacs	Academic free
20	NAMD	Academic free
21	R (package)	Academic free
22	TINKER	Academic free
23	FRED	Academic free
24	BROOD	Academic free
25	OmEGA	Academic free

#### **4.3.5 How does the university address issues such as authenticity and copyright with regard to online resources that lie outside the university?**

The University enters into agreements with the publishers of e-resources with regard to their fair use, and abides by the instructions enshrined in the agreement document. Necessary guidance relating to copyright issues is provided to faculty, students and staff. The users are advised to make fair use of electronic access to literature hosted outside the University.

#### **4.3.6 What are the new technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?**

The following new technologies have been deployed during the last 4-5 years to enhance student learning and evaluation:

- i) Establishment of Campus Wide Network in 2008.
- ii) Establishment of Internet Lab in the library in 2008, followed by its air-conditioning and strengthening by addition of 50 new and replacement of 30 old PCs in 2010.



- iii) Installation of a generator set in 2009 for uninterrupted power supply to the library to make reading in the library better than at home or in the hostel, and to ensure non-stop working of network.
- iv) Enhancement of Internet bandwidth from 14 Mbps to 1Gbps in September 2010 to make internet surfing more efficient.
- v) Introduction of ICT in classroom to make lecture delivery more effective.
- vi) Establishment of Language Lab for improvement of communication skills.
- vii) Provision of internet facilities in the hostels.
- viii) Addition of specialized softwares such as SPSS, Statistica, Yashara, DNA-Star, and Sybpt-Tripos ASAR-Comfa.

#### **4.3.7 What are the IT facilities available to individual teachers for effective teaching and quality research?**

All the teachers have been provided with PCs/laptops with internet connection. The necessary softwares such as MS Office 2007 and software development tools have been provided for preparation of lecture slides, reports, application softwares, etc. LCD/Digital projectors, projection screens, etc. have been made available in classrooms.

#### **4.3.8 Give details of ICT-enabled classrooms/learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?**

Latest teaching tools like interactive Electronic Boards, TV, LCD/Digital projectors, computers, etc. are extensively used as classroom teaching aids in almost all the university teaching departments. Establishment of Language Lab in the Department of English is an important step in providing ICT-enabled platform to the students to improve their communication skills. Adoption of ICT-enabled modern teaching methods has helped making teaching more interactive and effective with the teacher finding extra time to attend to queries raised by the students. Most of the departments/institutes have their own well-equipped and well-furnished computer labs with internet connectivity for the benefit of students and faculty.

#### **4.3.9 How are the faculty assisted in preparing computer- aided teaching-learning materials? What are the facilities available in the university for such initiatives?**

The faculty use computers for a variety of educational and research purposes – preparation of PowerPoint presentations for classroom teaching, presentation of research papers in conferences/ symposia/ workshops, preparation of self-learning materials, lesson planning, Internet surfing for data and literature collection, typing of research papers, etc.

The University Computer Centre organizes computer and Internet appreciation and training programmes from time to time to equip the faculty and non-teaching staff with the required skills in these areas. The teachers are also provided necessary help in the preparation of PowerPoint slides, e-learning materials, data analysis, etc., whenever required.

#### **4.3.10 How are the computers and their accessories maintained?**

While purchasing computers, the University asks the suppliers to quote their rates with service warranty for a minimum period of three years, and extended warranty along with rates for another two years. This system ensures uninterrupted service warranty for maintenance of the computers for five years. The University enters into AMC for the maintenance of computers and their peripherals beyond the warranty/extended warranty period. Annual rate contract for the purchase of computer accessories is struck with the manufacturers/distributors/other suppliers. The University purchases well-known brands in bulk, and strikes a bargain with the suppliers to post their Resident Engineers on the campus for day-to-day maintenance. For example, the Resident Engineers of HP, Lenovo and Uniline are available on the campus for maintenance of computers and UPSs. Besides, the university has also appointed hardware and software engineers for this purpose.

#### **4.3.11 Does the university avail of the National Knowledge Network connectivity? If so, what are the services availed of?**

Yes, the University has joined National Knowledge Network (NKN) in September 2010 through BSNL to promote academic and research activities. One (01) Gbps dedicated bandwidth has been provided to the University under NMEICT project of Ministry of HRD, Govt. of India. Besides, a network of 460 nodes has also been created under the project referred to above. This facility is used to avail of the following services:

- i). Internet surfing from all nodes connected to the Campus Network.
- ii). Accessing e-journals subscribed through UGC-Infonet project and out of university's own resources.
- iii). Videoconferencing facility installed in Vivekananda Library.
- iv). Online database sharing, and a common virtual country classroom.
- v). Enhanced internet speed for downloading of information and video streaming.

#### **4.3.12 Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?**

The University avails of web resources such as Wikipedia, dictionaries and similar other educational resources. Considering these as open source resources, the students and teachers are free for accessing the same, but they are personally responsible and accountable for all the actions performed by them using the University's computers, network, mail facilities, web services, and other technological facilities.

#### **4.3.13 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the university.**

The University has central contingent budget for the upgradation, deployment and maintenance of computers/peripherals and purchase of accessories. Besides, the departments/offices are also allocated budget for this purpose, and are authorized to purchase the required spare parts/items from the market at approved rates. Budgetary provision for this purpose has witnessed an increase

from a mere Rs. 54.00 lac in 2006-07 to Rs. 240 lac in 2011-12. During the current financial year, there is a provision of Rs. 2,35,66,000 for this purpose.

#### **4.3.14 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?**

Emphasizing upon the educational innovations, the University endeavors to encourage teachers and students to actively participate in the emerging open education movement. The University recognizes the ICT-based lifelong and personalized learning needs, the creation and use of open resources as an integral component of education system, and encourages the teachers to join the open learning and teaching environment.

Development of e-Institutional Knowledge Repository containing M.Phil. and Ph.D. theses, Course Catalogues, Case Studies, Question Banks, e-Course Material, Annual Reports, House Journals, Newsletters, University Calendar, Policy Documents, etc. in digital form is in progress. Over 250 Ph.D. theses have already been uploaded on the University website and placed in public domain. Likewise university's rule books such as University Calendar Volumes 1-4, and agendas and minutes of meetings of statutory bodies such as University Court, Executive Council, Academic Council, and Finance Committee have been digitized, uploaded on university website, and placed in public domain.

### **4.3 MAINTENANCE OF CAMPUS FACILITIES**

#### **4.4.1 Does the university have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.**

Yes, the University has a full-fledged Engineering Cell, headed by a Resident Engineer. The Resident Engineer is supported by Sub-Divisional Engineers, Assistant/Junior Engineers, Supervisors, and other skilled workers, who are in regular positions in adequate numbers. The Cell is responsible for the maintenance of existing buildings, classrooms and laboratories, and also for the construction of new physical infrastructure - buildings, roads, water supply system, and power supply system. The details of initiatives undertaken by the Engineering Cell to improve the physical ambience during 2010-11, 2011-12 and those presently in progress are as given below:

#### **Constructions completed during 2010-11, 2011-12 and 1<sup>st</sup> half of 2012-13:**

- i. University Institute of Engineering and Technology building
- ii. Biosciences Block
- iii. Students Activity Centre
- iv. Extension of Department of Pharmaceutical Sciences
- v. Twelve Type II-A houses
- vi. Yajnashala
- vii. Working Women's Hostel
- viii. Narmada Girls Hostel with 240 rooms
- ix. Kaveri Girls Hostel with 240 rooms
- x. Sabarmati Girls Hostel with 240 rooms

- xi. Meghna Girls Hostel with 240 rooms
- xii. Krishna Girls Hostel with 240 rooms
- xiii. Extension of Sabarmati Girls Hostel (60 rooms)
- xiv. Extension of Kaveri Girls Hostel (60 rooms)
- xv. Udayagiri Boys Hostel with 240 rooms
- xvi. Himgiri Boys Hostel with 240 rooms
- xvii. Vindhya Boys Hostel with 240 rooms
- xviii. Everest Boys Hostel with 240 rooms
- xix. Dhaulagiri Boys Hostel with 280 rooms
- xx. Extension of Udayagiri Hostel (60 rooms)
- xxi. Extension of Water Distribution Pipelines
- xxii. Two Greenhouses
- xxiii. Renovation of Gymnasium Hall
- xxiv. Renovation of Library Building
- xxv. One Electric Sub-Station
- xxvi. Faculty House Extension
- xxvii. Teachers' Club
- xxviii. Gate No. 2

#### **Ongoing constructions during 2012-13**

- i. Construction of Sewage Treatment Plant
- ii. Swaraj Sadan
- iii. Mathematics Block
- iv. Psychology Block
- v. RCC roads in Girls and Boys Hostels complexes
- vi. Multi-Purpose Hall in University Campus School
- vii. Extension of UIET building
- viii. Transit Hostel
- ix. Cafeteria and Guest House in Girls Hostel
- x. Two Hostels each for Girls and Boys
- xi. Four 11 KVA sub-stations
- xii. Boundary wall around the campus
- xiii. Boundary wall around Girls Hostel Complex
- xiv. New Shopping Complex
- xv. Mini-auditorium with a seating capacity of 500
- xvi. Greenhouse for Biosciences departments
- xvii. Parking lots for all buildings
- xviii. Administrative Block,
- xix. Examination Block
- xx. Thirty two residential flats for faculty.

#### **4.4.2 How are the infrastructure facilities, services and equipments maintained? Give details.**

Besides regular staff for maintenance of infrastructure facilities and equipments, some services such as housekeeping, maintenance of electrical and public health fittings and services, maintenance of parks, security, etc. have been outsourced to private service providers.

Annual maintenance contracts are struck with the manufacturers or their authorized agents for the maintenance of computers and scientific equipments. For some critical equipments, break-down call arrangements are made for optimal use of the resources. The University provides adequate budget for maintenance of infrastructure facilities and equipments. The statement given below in tabular form gives picture of the expenditure incurred during 2010-11 and 2011-12, and the budget allocation for 2012-13 for maintenance of various facilities and services:

S. No.	Items	Expenditure 2010-11 (Rs. lac)	Expenditure 2011-12 (Rs. lac)	Expenditure 2012-13 (Rs. lac)
a).	Building	150	250	150
b).	General Equipments & Furniture	50	100	177.10
c).	Scientific Equipments / Computers	16.5	24.87	42.25
d).	Transport/Purchase of Vehicles	6.81	12.05	10.00

**Any other information regarding Infrastructure and Learning Resources which the university would like to include.**

The university has made serious efforts to maintain its academic ambience and strengthen its infrastructure and learning resources.

Quite a good amount of money has been spent on maintaining and renovating various buildings, especially hostels, and revamping essential facilities like potable drinking water, street lights, fencing, and recreational facilities for hostel occupants. Plans are underway to do more in this direction.

The university has given a teaching block, a hostel, and 9 residential units to the Indian Institute of Management, Rohtak (IIMR) which started functioning from the 2010-11 academic session. University library services, faculty house, campus network, and other facilities are also extended to the students and teachers of IIMR. It is a matter of pride for the university to have this prestigious Institute on its Campus. Besides, the university has also rendered help to the neighbouring Pt. BDS University of Health Sciences by lending a girls hostel as they are short of hostel accommodation for their girl students.

## **CRITERION V**

### **STUDENT SUPPORT AND PROGRESSION**



**Everest Boys Hostel**

## 5.1 STUDENT MENTORING AND SUPPORT

### 5.1.1 Does the university have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes, the university has a well-developed system of support and mentoring for the students on the campus and also for those studying in the affiliated institutions. The university has instituted various schemes for the welfare of the students. These schemes are undertaken by the Dean, Students Welfare. This office is housed in the magnificent building 'Students Activity Centre'.

Expenditure incurred by the students on educational tours is shared by the Directorate of Youth Welfare. Facility of bus and railway passes is arranged for the students daily commuting from the villages around. Several scholarships are awarded to the needy and deserving students under different schemes.

Liberal financial assistance is also given from the Students' Aid Fund and Cultural Fund. In addition, '**Need-cum-Merit**' scholarships are awarded out of Dr. Radhakirshanan Foundation Fund to deserving and meritorious students. An ambitious scheme '**Earn While You Learn**' is also operative for the benefit of the students belonging to weaker sections of the society in order to make them self-reliant while pursuing their studies on the campus.

For wholesome personality development of the students, various cultural, literary, and adventurous events of local, regional and national importance are organized by this department. Various camps and courses are arranged at different places in the mountainous areas. The university has its own **Holiday Home-cum-Youth Centre** at Dhanachuli, Nanital (Uttarakhand) constructed on an area of about 2000 sq. metres.

#### **Exhibit 5.1: M.D.U. Holiday Home-Cum-Youth Centre at Dhanachuli**



The University provides residential accommodation on the campus to over 3800 students in its 16 hostels - 8 each for girls and boys. For more details, reference is invited to Section 4.1.6 of this report.

The sports activities of the university are being looked after by the Directorate of Sports. For more details, reference is invited to Section 4.1.8 of this report.

### **5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?**

Apart from classroom interactions, there are ample opportunities for the students to develop and grow in their academic and other related fields. The departments/institutes frequently organize national and international level seminars and conferences where the students get opportunities to interact with experts in their respective fields, as also with their seniors in the subject. The University Alumni Association and the Alumni Associations of the respective departments have been meeting from time to time to provide a platform to the students to come in contact with their seniors who are working in different spheres. These interactions help the students prepare themselves as per demand in the job market. The departments also arrange and organize special lectures/workshops in association with the Career Counseling and Placement Cell and with the office of the Dean Students' Welfare, which also help the students to develop and grow.

### **5.1.3 Does the university have any personal enhancement and development schemes such as career counseling, soft skill development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.**

The university has several such schemes wherein the students get opportunities for personal enhancement and growth. The University Career Counseling and Placement Cell provides guidance and counseling facilities to the students. The cell organizes special lectures and workshops relating to soft skills and personality development. It also makes arrangement for preparing the students for job market by making them learn employability skills. Last year, a total of 2340 students participated in such activities.

The Youth Centre for Skill Development for All Services help the interested students to prepare for entry into defense forces at officer level and other services. In a short span of three years, 51 students have joined defense forces as officers. The teachers and Heads of the Departments provide orientation to the students of their respective departments. The Department of Psychology runs a 'Centre for Positive Health' through which it offers guidance and counseling services to all the stakeholders. The Department also, under its SAP programme, organizes health awareness/check-ups and well-being camps almost every year for the students and other faculty members.

Two Red Cross Units (one each for boys and girls) are also working on the campus. These provide useful service in spreading awareness against HIV/AIDS under its Red Ribbon Club. Recently, it organized a health and well being camp for the students.

### **5.1.4 Does the university publish its updated prospectus and handbook annually?**

**If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?**

**Yes**, the university publishes its Information Brochure with updations annually. It contains all the information that one may need for admission to any course in the university. The Brochure contains general information about



the university, courses offered, department-wise teaching faculty, admission schedule, procedure for submission of applications, syllabi and pattern of entrance examination, admission procedure, reservation/distribution of seats, eligibility criteria, procedure for preparing merit list, weightages, fee structure, and students' conduct and discipline rules. Information about the university library, scholarships, youth welfare activities, NSS, and hostel and other facilities are also given in the Information Brochure. Its availability on the university website further enhances the dissemination of information to the students and other stakeholders.

**5.1.5 Specify the type and number of university scholarships / freeships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/PG/M.Phil/Ph.D./Diploma/others (please specify).**

**Yes**, the University provides financial aid and scholarships to students under different schemes. There are about twenty nine types of scholarships available to the students. These include national merit scholarships, university merit scholarships, state/central government merit scholarships, Haryana State Silver Jubilee scholarships, and university scholarships through endowment funds. Besides, there are specific scholarships for the students of scheduled castes and backward classes as per state government policy. During the last four years, 408 research scholars got university research scholarships, and 557 students of various post-graduate courses also got university merit scholarships/general stipends/merit-cum-means scholarships from the university. Details are given in the Table 5.1.

**Table: 5.1 Number of students getting scholarships in the last four years**

<b>Session</b>	<b>University Research Scholarships</b>	<b>University Merit Scholarships/ Stipends/ Merit-cum-Mean Scholarship</b>
2008-09	151	185
2009-10	114	166
2010-11	78	173
2011-12	65	33

Not only this, the University has given stipend out of Dr. Radhakrishnan Foundation Fund to 153 students. An amount of Rs.127998/-, as per details given in the Table 5.2, was disbursed in the last four years. In addition to this, the University disbursed an amount of Rs.745200/- to 369 students (UG/PG/M.Phil.) in the form of need-cum-merit scholarship out of Dr. Radhakrishnan Foundation Fund. The University also awards cash prizes to each of the topper in each course and a wholesome amount of Rs.1101600/- was disbursed to 216 toppers during the said period.

**Table:5.2 Amount disbursed (No. of students) out of Dr. Radhakrishanan Foundation Fund Student Aid Fund**

Level of students	2008-09 Rs. (No. of students)	2009-10 Rs. (No. of students)	2010-11 Rs. (No. of students)	2011-12 Rs. (No. of students)
UG	4800 (4)	3276 (2)	3500(10)	6750(3)
PG	16800(14)	29484(18)	28700(82)	29250(13)
M.Phil.	2400(2)	1638(1)	1400(4)	--

**Need-cum-Merit Scholarship**

Level of students	2008-09 Rs. (No. of students)	2009-10 Rs. (No. of students)	2010-11 Rs. (No. of students)	2011-12 Rs. (No. of students)
UG	--	48000(40)	27600(23)	64800(54)
PG	--	96000(40)	2,68,800(112)	1,68,000(70)
M.Phil.	--	24,000(10)	38,400(16)	9600(4)

**Prizes to Toppers**

2008-09 Rs.(No. of students)	2009-10 Rs.(No. of students)	2010-11 Rs.(No. of students)	2011-12 Rs.(No. of students)
--	2,85,600(56)	3,57,000(70)	4,59,000(90)

**5.1.6 What percentage of students receive financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?**

The students of the University receive financial assistance in the form of scholarships/fellowships from various agencies of Govt. of India and State Government. During the last four years, a total of 3414 students got financial assistance from various agencies, as shown in Table 5.3.

**Table: 5.3 Scholarships/Fellowships given by the various agencies**

	GOI Ph.D.		Total	GOI		Haryana State PG	
	UGC JRF/ SRF	Others (RGNF, CSIR, SST, ICMR, DBT etc.)		PG	PG PMS SC/ BC	HSM	DUO SC/BC
2008-09	18	39	57	20	712	57	197
2009-10	44	50	94	36	820	--	176
2010-11	79	73	152	31	536	--	239
2011-12	89	65	154	41	--	92	--

During 2011-12, three hundred seventy two (4.68%) students got financial assistance from various Central and State Government agencies (UGC/AICTE/DST/etc.).

During the last four years, two hundred thirty students got UGC (JRF/SRF) and four hundred and eight students got University Research Scholarships as

shown in Tables 5.1 and 5.3. Besides, two hundred and twenty seven (227) students got Fellowships/Scholarships from different funding agencies like Rajiv Gandhi National Fellowship (RGNF), CSIR, SST, ICMR, DBT, etc. during the same period. A total of one hundred twenty eight post-graduate students got scholarship from AICTE and two thousand sixty eight (2068) students of SC/BC category were awarded post-matric scholarship.

One hundred forty nine (149) post-graduate students got Haryana State Merit Scholarship. Not only this, a good number of 612 students of SC/BC category were also awarded scholarships by district welfare office of Haryana State as per details in Table 5.3. In addition, seventeen students belonging to minority groups got Need-Cum-Merit-Scholarship.

If the number of students who got the financial assistance from Dr. Radhakrishnan Foundation Fund is (738) added, the total number of students getting Financial Assistance/Scholarship/ Fellowship adds up to 5117 (Tables 5.1, 5.2, and 5.3). Thus, a fairly large majority of the students got financial assistance during the last four years. In addition, M.Sc. students of Medical Biotechnology are getting scholarship of Rs.5,000/- p.m. each from DBT, Govt. of India.

#### **5.1.7 Does the university have an International Student Cell to attract foreign students and cater to their needs?**

The university has a full-fledged **Foreign Students Cell** headed by a senior Professor. It provides single-window information and assistance relating to admissions and other facilities available to foreign applicants, and addresses all problems faced by them. It also makes efforts to attract foreign students to the campus.

#### **5.1.8 What types of support services are available for**

##### **\* overseas students:**

The Foreign Students' Cell looks after the needs of these students. The University provides several facilities to these students. Fifteen percent (15%) of the seats over and above the sanctioned seats in each course/department are reserved for students coming from other countries, subject to the eligibility and availability of necessary facilities. Of these, five percent (5%) seats have been earmarked for children of Indians working in the Gulf Countries and South East Asia.

As a token of commitment to contribute to the socio-economic development of third world countries, candidates from these countries are given concession of fees being charged at par with the Indian students. These students are admitted without having to pass any entrance test. If a foreign student successfully passes the Pre-Ph.D. course and the department does not have any vacant seat, a special additional seat is sanctioned.

The overseas students are provided accommodation in the hostel. They are paid special attention to acclimatize to the alien environment.

##### **\* physically challenged / differently-abled students**

Differently-abled students do not lack capabilities. A little support may go a long way to boost their efforts and actualize their hidden potentials. The university takes care of the welfare of these students and provides all facilities

to them as per central and state Govt. schemes. Three percent (3%) of seats of state quota (2.55% of intake) in each course are reserved for differently-abled students. For the sake of convenience, their classes and examinations are held on the ground floor. A special scheme "SAMRATH" has been launched by DSW office with a corpus fund of Rs. 6,00,000 and the interests accruing on it is given to these students as stipend. In addition, ramps are being provided in all academic buildings so as to facilitate their movement.

**\* SC/ST, OBC and economically weaker sections**

The university provides special facilities to students belonging to weaker sections (SC/ST and BC) of the society. Twenty percent (20%) of the seats of state quota (17% of intake) in each course are reserved for SC students as per government policy. They are given relaxation in minimum marks for admission eligibility to the extent of 5% of marks. They are also entitled for exemption from getting the minimum qualifying marks in the entrance examinations for admission wherever it applies.

The **University Centre for Competitive Examinations (UCCE)** arranges free coaching classes for them to prepare for National Eligibility Test, Central and State Civil Services, Banking Services, etc. The SC/ST Cell works for the welfare of these students and monitors the implementation of their welfare schemes.

There is one hostel specifically constructed for SC/ST students. Seats are otherwise reserved for them in the university hostels. All government schemes for the benefit of SC/BC students are being implemented. Fifteen (15) special university research scholarships are awarded to SC category research scholars in various teaching departments on rotation basis.

A sum of Rs.11,28,452/- and Rs.10,96,599/- was spent for the award of different scholarships/ stipends to such students during the session 2010-11 and 2009.10, respectively. Even the Information Brochure is sold to the SC/BC students at 25% of the sale price. A subsidy of Rs.24,69,000, Rs.44,67,730, Rs. 1,01,29,005, and Rs.64,09,210, was given to the SC/BC students during 2011-12, 2010-11, 2009-10, and 2008-09, respectively, on concessional sale of Information Brochure.

**\* students participating in various competitions/conferences in India and abroad**

The Dean Students' Welfare Office looks after the participation of students in different competitions. It provides financial assistance and arranges for concessional tickets for their journey. Besides, the teachers and Heads of the Departments also help students of their respective departments to participate in competitions, seminars and conferences. The Vice-Chancellor always encourages such activities and readily provides financial assistance to such students on the recommendations of the departments.

**\* health centre, health insurance etc.**

The university has its own Health Center in the campus for basic medical help. Along with this, university is located in close vicinity of Pt. BDS University of Health Sciences, Rohtak where all medical facilities are provided to the needy students on priority. Even the facility of student insurance is provided annually.

- \* **skill development (spoken English, computer literacy, etc.)**

The University **Career Counseling and Placement Cell**, the **University Centre for Competitive Examinations**, the **Youth Centre for Skill Development for all Services**, and the **University Computer Centre** provide facility to the students to learn and enhance their skills by participating in the various courses and workshops/ training programmes organized from time to time. In addition, individual departments also arrange holding of special/extra classes for the needy students.

- \* **performance enhancement for slow learners**

Special classes are held for slow learners. Interactions with specific group of students are held to bridge the gap.

- \* **exposure of students to other institutions of higher learning/ corporate/business houses, etc.**

The university has also set up a **Corporate Resource Centre** and **University-Industry Liaison Cell** to offer necessary guidance to those aspiring to start their own business ventures and to expose the students to corporate/business houses. The departments at their own level also arrange educational tours/trips whereby the students are taken to various places of historical importance including institutions of higher learning.

- \* **publication of student magazines**

Several Departments have started their wall magazines wherein the students can publish and display their creative writings. The Department of Journalism and Mass Communication brings out special newsletters at the time of mega events hosted by the University. These newsletters are edited and published by the students with the help of faculty members.

#### **5.1.9 Does the university provide guidance and/or conduct coaching classes for Students appearing for Civil Services, Defense Services, NET/SET and any other competitive examinations? If yes, what is the outcome?**

**The University Centre for Competitive Examinations** provide coaching for civil/state services preliminary examinations, NET, NDA/CDS and remedial coaching classes for English. A total of 41, 223, 245, and 241 students enrolled themselves for these courses during 2008-09, 2009-10, 2010-11, and 2011-12, respectively, and many of them got selected. Besides, the **Youth Centre for Skill Development** for all Services provides coaching for all services.

#### **5.1.10 Mention the policies of the university for enhancing student participation in sports and extracurricular activities through strategies / schemes such as**

- \* additional academic support and academic flexibility in examinations
- \* special dietary requirements, sports uniform and materials
- \* any other (please specify)

The university gives lot of attention and encouragement to the students who prove their potential for excellence in sports. It provides a variety of incentives for participation and excellence in sports. Students who win national and international sports championships are honored by the university at a special

function organized annually. The university provides free coaching in different games and sports. They are treated present for the period of their participation in tournaments.

It bears all the expenses incurred on travelling and provides dearness allowance to participating sportspersons during coaching and tournament days. Players of different sports are given good quality playing kits, standard equipments, and track suits. To ensure that outstanding sports persons do not lag behind in academics, they are given special weightage as per their grades (i.e., A1=5 marks, A2=4 marks, B1=3 marks, C1=2 marks, C2=1 marks and D=0 marks) for admission to various courses.

**5.1.11 Does the university have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?**

Quality education is expected to prepare the students for acquiring knowledge and skills to compete in the job market and get placements in reputed national and multinational companies and public sector undertakings. The university has a **Career Counselling and Placement Cell** (CC and P Cell) for rendering the required help. Besides, there is one Training and Placement Officer (TPO), specifically for the University Institute of Engineering and Technology.

Similarly, another TPO is being appointed for Management Courses. This Cell not only facilitates placement of the students of professional courses, but also renders counseling services to them. In most of the teaching departments which are running professional courses, there are placement committees which look after the placement and counseling needs of the students of their respective departments.

Career Counseling and Placement Cell has a coordination committee with one faculty as a coordinator from each department. It facilitates dissemination of the career-related information and identifies the specific placement needs of the students of each department. Several reputed companies visit the university for campus placements. As a result, the placement profile of the students pursuing different professional courses has considerably improved. The Cell organized several workshops and special lectures for skill refining and development.

Special emphasis is given to sharpening employability skills, personality development, and tips relating to how best to perform in an interview. Last year, the Cell organized 23 such activities and a total of 2340 students participated in these. The University Employment Information and Guidance Bureau, a unit of the State Government, located on the campus, helps the students in their educational and vocational planning endeavours, and also seeks employment and training opportunities for them.

Besides, emphasis is placed on entrepreneurship development. Importantly, the Institute of Management Studies and Research (IMSAR) has set up a centre called **IMSAR Business Incubation Centre (IBIC)** to impart training in entrepreneurship to its students. The University has also set up a **Corporate Resource Centre** and **University- Industry Liaison Cell** to offer necessary guidance to those aspiring to start their own business ventures.

**5.1.12 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).**

In this last four years, around 748 students have been selected by different companies during on-campus interview. Available records indicate that more than one thousand twenty five (1025) students got selected through off-campus interviews.

The reputed companies/organizations which visited the campus for placement include Asian Paints, LPS Bosard, Somani Group, Global Data, L & T Finance, Analec Infotech, Wipro, Appolo Tyres, Cipla, Axis Bank, SBI, IDBI, Bank of Baroda, Fedral Bank, ICICI Prudential, Thompson Digital (India Today Group), Option Consulting (for Aviation Industry), etc.

For the campus selection of the students of the Institute of Hotel and Tourism Dept., a number of reputed Hotels like Hotel Regent Continental, Tivoli Group of Hotels, Jaypee Group of Hotels, Quality Inn Hotels, Hotel Radission, and Southern Motels, Delhi visited the University campus. Several other companies like JK Teck Software, Cre Zone, CMC Pvt. Ltd., Du-Cat, NM Infotec, Tek Travels Pvt. Ltd., IT Solutions, Accrolect Technology, Pardon Technology, EME Technology, Aon Hewitt, and ACS Xerox also visited the campus during the last few years.

**5.1.13 Does the university have a registered Alumni Association? If yes, what are its activities and contributions to the development of the university?**

The university has an **Alumni Association** which was formally constituted in 2005. An Alumni Directory was published and released on the occasion of the first Alumni Meet held in April, 2007. The Alumni Directory has since been updated and released in the second Alumni Meet held on 12<sup>th</sup> February, 2012 in which 1000 alumni participated. Shri Rajbir Deswal, IPS, Inspector General of Police (CID), Haryana, was the Chief Guest in this meet. All the alumni visited their respective departments and shared their experiences with the students. About 75 prominent alumni were honored on the occasion.

Our alumni have proved as effective goodwill ambassadors. They have been building the image of the university at all levels they interact, especially more so in the organizations they have worked in. As the university alumni are of great help to the university in its development and growth, they are frequently invited to attend the alumni meets, seminars, workshops/conferences, and other academic meetings organized by the concerned teaching departments or at the level of the university as a whole. Their interaction with the faculty members and students provide valuable feedback to improve the performance of juniors at the work places. They also provide critical inputs for improving course curricula and training modules.

In addition to Alumni Association office, several departments have created their own websites, e-groups, and internet-based databases which keep them in constant touch with their old students working in various positions for help and guidance. The University takes pride in having produced academicians, administrators, judges, doctors, army officers, and having sent its students to various services, who extend valuable help in enhancing placement avenues.

**5.1.14 Does the university have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?**

For the redressal of grievances of the students, the University has established a **Grievance Redressal Cell**. Any stakeholder having any grievance can approach this Cell for help and redressal. The Cell is looked after by a senior faculty with few others as its members. The Cell has got installed suggestion/complaint boxes at several strategic points in the campus for the redressal of common grievances and to make suggestions. Moreover, **Departmental Committees** consisting of senior teachers have been constituted in all the departments for the purpose. These committees take all day-to-day decisions on specific and general issues and work as an effective means for the redressal of grievances of the students.

The Vice-Chancellor also frequently interacts with the students, as also the teaching and non-teaching staff, to know their expectations and to get feedback for policy formulation and decision making at the university level. The office of the Dean Students Welfare and Proctorial Board are other institutionalised modes of redressal of the grievances of students. The Committee for Prevention of Sexual Harassment of Women at Workplace addresses the complaints of girl students as per guidelines and directions issued by the law courts, and also in the manner the situation may demand. No such grievance is pending for redressal.

**5.1.15 Does the university promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.**

The university lays special emphasis on the promotion of gender sensitive environment at the campus. The Department of Sociology, Psychology, Law and the Women Study Centre organize programmes to sensitize the students and the faculty members on several gender sensitive issues.

The university also has a **Committee for the Prevention of Sexual Harassment of Women at the Workplace**. Ever since its establishment in 2003, it has received eleven complaints from women students, teachers, and non-teaching staff. The Cell has successfully resolved all the complaints. It has organized various interactive sessions for creating awareness and sensitization of women employees and students on their rights and privileges and the role of the Cell created as a means of redressal of their complaints against any objectionable conduct of the male employees. For more details, reference is invited to Section 6.3.6.

**5.1.16 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?**

Ragging in the campus and its affiliated institutes is strictly banned. Any one indulging in ragging is punished appropriately and expeditiously. The punishment may include expulsion from the institute, suspension from the institution or classes for a limited period, or fine with public apology. The punishment may also take the shape of (i) withholding of scholarships or other



benefits, (ii) debarring from representation in events, (iii) withholding results, (iv) suspension or expulsion from hostel or mess, (v) lodging of FIR to local police, etc.

The University has constituted a committee under the convenorship of Proctor to check the menace of ragging. Wide publicity is given to this by way of notices, banners and posters. Every student taking admission is required to submit an affidavit to this effect which is required to be countersigned by the parents. Besides, there are anti ragging committees in each of the departments/institutes to check ragging and their contact numbers are displayed on the Notice Boards. All this information is given in the University Information Brochure and Hostel Admission Brochure. It is also posted on university website. No complaint of ragging in the campus was received during the last four years.

#### **5.1.17 How does the university elicit the cooperation of all its stakeholders to ensure the overall development of its students?**

Though there are three important components of university community, viz., the students, the teachers, and the non-teaching staff, yet the most important are the students. If the students are not there, the existence of others is at stake. The University takes utmost care of the students, and prepares and motivates the teachers and non-teaching staff to work for the betterment and development of the students. The Vice-Chancellor always keeps on motivating the teachers and non-teaching staff on the desired lines and always remains available to the students to redress their grievances.

#### **5.1.18 How does the university ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.**

The university gives utmost care and attention to encourage the women students to participate in sports. Weightage for sports is given for admission to various courses. The university bears all expenses incurred on their boarding and lodging. They are also provided sports kits and track suits, etc. As a result of these and other incentives given by the university and state government, sportspersons of Haryana, particularly the women, have won several medals in various national and international sports events.

## **5.2 STUDENT PROGRESSION**

### **5.2.1 What is the student strength of the university for the current academic year? Analyse the Programme-wise data and provide the trends for the last four years.**

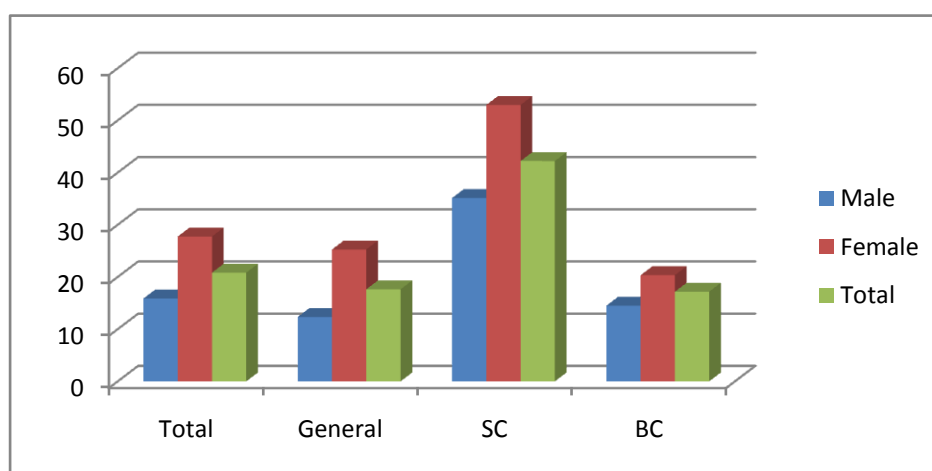
During the academic year 2012-13, 10447 students were admitted to various courses in the university teaching departments and its constituent institutions (IPGRC, Meerpur, Rewari and UILMS, Gurgoan). Of these, 14.91% belonged to scheduled castes and 23.67% to backward classes. While the male students constituted about 55.02%, the remaining 44.98% were females. The percentage of female students was the highest among the backward classes

(47.23%), followed closely by those of general castes (45.83%) and scheduled castes (37.92%). During the preceding session, 19 differently-abled and 25 NRI students got admission in various courses. Six Kashmiri migrants also sought admission.

Being a state university, 85% of the total seats are reserved for the students from Haryana and the remaining 15% are open seats for all India students. Though the majority of students belonged to Haryana, yet a good number of them come from other states, particularly in the case of professional courses like B.Tech, B. Pharma, M.Pharma, M.B.A, LLB, etc.

There was an increase of 20.83% in the enrolment of students in 2010-11 as compared to 2009-10. This increase was due to a number of highly job-oriented professional courses launched during the last few years. It is important to note that the increase in the number of students was higher for females (27.75%) than for males (15.87%). The increase was the highest in the case of females of scheduled castes at 52.97%, as compared to 25.27% for those of general castes and 20.34% for those of backward classes.

**Exhibit 5.2: Percentage increase in the number of students from the session 2010 to 2012.**



It is pertinent to mention that majority of the students seeking admission in the university belong to the middle, lower middle, and lower-strata of society as defined in terms of socio-economic parameters. Thus, a large majority of them belong to rural areas.

**Table 5.4 Student Progression (in percent)**

Student Progression	%age
UG to PG*	60.50
PG to M.Phil.*	45.65
PG to Ph.D.	27.00
Ph.D. to Post-Doctoral	45.22*
Employed	
* Campus selection	9.42
* Other than campus recruitment	12.91

\*In Botany, Zoology, Chemistry, Mathematics and Psychology only

Though it is not possible to monitor the progress of all outgoing students to higher ladders of studies, yet the limited information available with the University indicate that more than sixty percent students of under-graduate classes opt for higher studies. About 45.65 percent of post-graduate students go in for pursuing M.Phil. and about 27 percent opt for doctoral degrees in their respective fields. In case of Botany, Zoology, Chemistry, Mathematics and Psychology subjects, 45.22 percent of the Ph.D. students pursue post-doctoral course, as shown in Table 5.4.

### **5.2.2 What is the programme-wise completion rate during the time span stipulated by the university?**

The information available with the different departments indicate that the completion rate of the students of post-graduate courses is around ninety one percent (90.72%) within the stipulated time. It was almost the same in the case of M.Phil. (89.14%) and a little less for Ph.D (86.84%). For master of Computer Science, it was 100 percent whereas for Master of Business Administration (M.B.A), it was slightly less (95%). Eighty eight percent (88.37%) of undergraduate students pursuing engineering, hospitality and tourism courses complete their courses within the stipulated time frame. The completion rate was slightly less (83.33%) for the five-year integrated courses and diploma courses. Overall, the completion rate was over eighty three percent (83%) for all the courses.

### **5.2.3 What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.?**

Students are provided intensive training and counseling to face the challenges in life and job market expectations/requirements. During the last four years, a total of 1595 students appeared for UGC, CSIR-NET and SLET examinations and about 32.04 percent of them (511) qualified. Similarly, 170 students appeared for CAT and 35.29 per cent of them (60) qualified. More than thirty three per cent (33.33%), that is, 277 of those who appeared for GATE (831) qualified the examination. A total of 286 students appeared for GPAT and a good number of them (78) qualified (more than 27 per cent).

A large number of students of the university appear for central services each year. During the last four years, 756 appeared and more than forty five percent of them (343) cleared the examination. For state services, 671 students appeared and 220 (32.78 %) of them qualified. One hundred four (104) students have joined the defence forces as officers and sixty students of the university have joined judicial services. Thirty two students have cleared the TOFEL and eleven students have qualified for Central and State Civil services (IAS/HCS) during the last four years.

### **5.2.4 Provide category-wise details regarding the number of Ph.D./D.Litt./D.Sc. theses submitted/ accepted/ resubmitted/ rejected in the last four years.**

A total of 643 Ph.D. theses were submitted during the last four years, out of which 629 were accepted for award of Ph.D. degree. Only 14 theses out of the 643 were revised and resubmitted after revisions. No thesis was rejected. No

D.Sc./D.Lit. thesis was submitted. Details may be seen in Table 5.5.

**Table: 5.5 Ph.D. Thesis submitted/ accepted/ resubmitted/ rejected**

<b>Ph.D. Degree</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>
Submitted	141	139	163	200
Accepted	138	137	157	197
Resubmitted	03	02	06	03
Rejected	--	--	--	--

### **5.3 STUDENT PARTICIPATION AND ACTIVITIES**

#### **5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.**

The university can legitimately boast of having produced sportspersons of substance who have brought laurels by their achievements in national and international sports events. Nine of our sports persons have been awarded the prestigious Arjuna Award and an equal number have received the Bhim Award. During the last four years, university has organized many national level sports events. Our students participated in most of the events and have got nine first positions, four second positions, and one third position in sports events at national level. Our students named Geeta, Babita, and Suman Kundu bagged gold, silver, and bronze medals, respectively, in the Commonwealth Games 2010.

Our university organized Baseball (men & women) and Hokey (women) All India Inter - University Tournaments during the session 2010-11 and got 1<sup>st</sup> position in all the three. Some of the outstanding sportspersons of international stature are – Padmashree Satpal Pahalwan, Asan Kumar (Kabaddi), Raj Kumar Sangwan (Boxing), Mamta Kharab (Hockey), Seema Antil (Athletics), Akhil Kumar (Boxing), and Geeta, Babita and Suman Kundu (Wrestling), besides many others.

The University Directorate of Sports also publishes its **Calendar of Activities** in the beginning of every session, with a copy placed as **Annexure- 5.1**. Our university is, in fact, a live example of the success stories of sportspersons from Haryana who brought laurels to the country by their excellent performance in the last Commonwealth and Asian Games.

#### **5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.**

The university has top class infrastructure for the purpose. It provides lot of encouragement, opportunities, and incentives to the students with potential for excellence in different co-curricular/extracurricular activities. These activities are organized and arranged by the office of the Dean Students Welfare and the Director Youth Welfare which fall in one of the three groups, viz., cultural, adventurous, and literary.

Every year, the university organizes six Zonal and one Inter-Zonal Youth

Festival having a long profile of 41 events/items in which students of the campus and affiliated colleges participate. The events relate to dance, music, theatre, literary, and fine arts. The position holders then participate in the All India Inter-University North Zone and All India Inter-University Youth Festivals. In 2009, the university organized an All India Inter-University Youth Festival in which 62 universities of the country participated. During the last four years, a total of 1603 students of the campus participated in the youth festivals and 887 of them got positions/prizes (Table 5.6).

**Table: 5.6 Details of Participation and position held in last 4 years**

Level	2008-09	2009-10	2010-11	2011-12
Zonal Youth Festival				
- No. of Participants	204	204	204	204
- No of Prize winners	102	96	94	102
Inter-Zonal Youth Festival				
- No. of Participants	102	96	94	102
- No of Prize winners	62	58	49	52
N.Z.I.U.Z.F				
- No. of Participants	40	40	40	40
- No Prize winners	28	31	27	32
A.I.N.I.U.Y.F				
- No. of Participants	24	26	27	32
- No of Prize winners	14	16	20	22
Inter- National Youth Festival				
- No. of Participants	--	38	47	39
- No of Prize winners		24	33	25

A number of literary and cultural events are also organized on regular basis to commemorate and celebrate important events like, Haryana Day, Independence Day, Republic Day, UN Day, Teachers Day, etc. For the students of technical institutions affiliated to the university and the campus students, the university organizes '**Techno Management Fest**' each year. Likewise, the university also organizes '**Edufest**' for the students of teachers training colleges/institutes. Various other functions like '**Kavi Sammelan**', '**Mushaiara**', '**Ragani Competition, declamation and debate competitions, painting and poster making competitions** are also held.

The university also organizes a number of excursion / adventure camps and courses in activities like rock climbing, trekking, snow skiing, river rafting, etc. Youth leadership training camps, personality development camps, and value-based spiritual training camps are of special significance and deserve specific mention here.

In fact, the **Activity Calendar** of the Students' Welfare Office is pretty long, and may be the largest among those of other Indian universities. A copy of the Activity Calendar of the Students' Welfare Department is appended as **Annexure-5.2** to highlight the long list of important activities being undertaken. In all, thousands of students participate in various competitions and activities every year in different events. Every year prizes and university colours are awarded to about 500 position holders.

### **5.3.3 Does the university have a mechanism to gather data and feedback from its graduates and employers and use them for the growth and development of the institution?**

For any academic institution, its students are the most important stakeholders and feedback received from them is of vital importance. This feedback, when utilized properly, helps the institution in its growth and development on the desired lines. Every effort is made to remain in touch with the old students to collect as much of feedback from them as possible.

The Dean Students Welfare and Director Youth Welfare offices attend to various issues relating to the student support services. The university administration (including the Vice-Chancellor and the Heads of the Departments) hold frequent interactions with the students, and use the suggestions obtained from them for improving various support services and welfare measures.

The concerned teaching department collects inputs regarding levels of skill formation of students when in job, and also identifies weaknesses in the course curricula in order to take corrective steps on regular basis. At various platforms like Alumni Association meetings, the faculty members discuss the needs/demands of the organizations and try to get inputs on the performance of the their juniors. The University-Industry Liaison Cell and the Corporate Resource Centre of the University also help in collecting vital information from the employers to import the same into improving course curricula and strengthening the training modules.

### **5.3.4 Does the university conduct special drives / campaigns for its faculty and students to promote heritage consciousness?**

The university gives special attention to heritage consciousness and preservation. Office of D.S.W. has a project named 'Arist' for this purpose launched in 2009-10. Under this project, the University has started videographic documentation of folk festivals and rituals in Haryana. So far it has completed seven documentary films of about 40 minutes each. These are 'Teej', 'Googa', 'Holi', 'Sanskriti', 'Vivah' (Marriage)', and 'Janjeevan' and an amount of Rs.25 Lacs (approx.) has been spent for this purpose.

This project is being conducted with the help of students, teaching and non-teaching faculty of the University. Former students of the University who are now working as amateur artists of different levels are of special help in this endeavour. Besides, the university has also published a book entitled, "Pandit Jagannath Rachnavali". It is the compilation of the Haryanvi Folk Art, "Haryanvi Saang" written by Pandit Jagannath a local folk artist.

### **5.3.5 How does the university involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/materials brought out by the students during the last four academic sessions.**

Though, the university does not as such publish any magazine/ catalogue, yet the students have several opportunities to express their creative writings and potentialities. Several departments have started Wall Magazines in their respective departments which give opportunity to the students to publish their

write-ups. Many departments (e.g. education) have started publishing Newsletters. In addition, the department of Journalism and Mass Communication brings out special Newsletters at times when the University organizes mega events like All India Inter-University Youth Festival. It was published by the students with the help of faculty members.

**5.3.6 Does the university have a Student Council or any other similar body? Give details on its constitution, activities and funding.**

As per the State government policy, no formal Students Union exists at any level. But the university has evolved several mechanisms for the involvement and participation of the students in the planning and execution of different students related activities. The office of the Dean Students' Welfare plays a pivotal role and students can raise issues of their interest and concern through this office.

The student representatives in the Youth Welfare Committee are there in the planning and decision making process. The Heads of the departments and the departmental committees are in constant touch with the students of their respective departments. Above all, the Vice-Chancellor is easily accessible and remains in constant touch with the students. The students are welcome to raise their issues and discuss the same with the administration.

**5.3.7 Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.**

The University has provided for inclusion of students in various academic and administrative bodies. Topper of each faculty in its examinations automatically becomes the member of **University Court** (the highest body of the University). These students along with other members of Court elect two teachers (from those of the affiliated institutes) for the **Executive Council** of the University.

Two (one male and one female) students who excel in extra co-curricular activities are nominated as members of the **Youth Welfare Committee** (the highest body for running and regulating the youth welfare related activities). Two Research Scholars are nominated as members of the **Library Committee**. Besides, the departments also seek involvement of students in deciding the activities to be done for their respective department.

**Any other information regarding Student Support and Progression which the university would like to include**

Recently a **Film Club** has also been started by the office of Dean Students' Welfare. All the students of the university teaching departments/institutes are its members. It runs six shows per month (2 each for boys, girls, and teaching and non-teaching staff). A Hobby Club has also been set up on 'no profit no loss' basis wherein the students learn to play instruments like guitar, harmonium, rhythm (Dholak and Tabla), classical and folk dance, etc.

In the last few years the university has spent over Rs. 25 lac for the preservation of heritage, and has produced four documentaries of forty minutes each and has published one book relating to the work of a local folk artist Pt. Jagannath.



## CALENDAR OF EVENTS OF DIRECTORATE OF SPORTS

 <b>MAHARSHI DAYANAND UNIVERSITY, ROHTAK</b> <b>CALENDAR OF SPORTS COUNCIL 2011-12</b>						
Sr. No.	Name of the Game	Date of Inter-College Tournament	Venue of Tournament.	Date of Selection Trials	Date of NZ/AIUU Tournament	Venue of AIUU Tournament
1	Cross Country (M & W)	28.8.11	MDU Rohtak	28.8.11	3.10.11	MDU
2	Kho Kho (W)	2 to 5.9.11	VMM Rohtak	5.9.11/11 am	15.10.11	Mumbai
3	Kabbadi (W)	5 to 8.9.11	JVMGRR Dadri	8.9.11/12 Noon	10.10.11	KUK
4	Swimming & Waterpolo	7 to 9.9.11	MDU Rohtak	During Compt.	10.10.11	Kolkata
5	Netball (M)	10 to 12.9.11	NRSGC, Rohtak	12.9.11/11.30am	10.10.11	GGDU, Bilaspur
6	Football (M)	6 to 12.9.11	Ahir, Rewari & G.C. B.Garh	13.9.11/10 am	30.9.11 (NZ) 15.10.11 (IZ)	PTU, Jalandhar
7	Netball (W)	13 to 15.9.11	KMW Kharkhauda	15.9.11/ 11.30 am	10.10.11	GGDU, Bilaspur
8	Basketball (W)	20 to 23.9.11	MKJKM Rohtak	23.9.11/ 12 noon	7.11.11	KUK
9	Pistol Shooting & Rifle Shooting(M&W)	3 & 4.10.11 M & 5.10.11 W	MDU Rohtak	During Compt.	17.10.11	Jiwaji Uni., Gwalior
10	Cricket (W)	1 to 6.10.11	MDU Rohtak	7.10.11 / 9.00 am	15.11.11	Banesthall
11	Badminton (M & W)	5 to 7.10.11	MDU Rohtak	7.10.11 / 1.30 pm	NZ 2.11.11 IZ 28.11.11	PTU, Jalandhar MLS, Udaipur
12	Boxing (M & W)	5 to 7.10.11 & 7 & 8.10.11	-do-	7&8.10.11 / 10 am	14.11.11	BU, Bhopal
13	Volleyball (W)	7 to 9.10.11	DCS Edu. Gohana	9.10.11 / 12.30 pm	10.11.11	YSP Uni., Solan
14	Kabbadi (M)	5 to 9.10.11	MDU, Rohtak	9.10.11 / 1.30 pm	28.10.11 NZ 25.11.11 IZ	YS Parmar Salem
15	Judo (M & W)	15.10.11 M 16.10.11 W	MDU, Rohtak	15.10.11 / 11.30 am 16.10.11 / 11.30 am	14.11.11	TMV, Pune
16	Kho Kho (M)	15 to 17.10.11	L.N. Hindu, Rohtak	15.10.11 / 1.30 pm	15.11.11	SRTM, Nandeed
17	Archery (M & W)	20.10.11 M 21.10.11 W	MDU, Rohtak	20-21.10.11	10.11.11	Pbi. Uni., Patiala
18	Chess (M)	20 to 22.10.11	Vaish Coll. Rohtak	22.10.11 / 11 am	27.11.11	VIT Vellor
19	Football (W)	22 to 24.10.11	GC (W) Rohtak	24.10.11 / 1.30 am	5.11.11	Annamalai
20	Lawn Tennis (M)	25 & 26.10.11	MDU, Rohtak	26.10.11 / 1.30 pm	30.11.11 IZ	Manipal Uni.
21	Base Ball (W)	29 to 31.10.11	H.G.C. Sonipat	31.10.11 / 11.30	26.11.11	Cuttack
22	Cricket (M)	20.10.11 to 2.11.11	V.C. Rohtak, Z-A G.C. BWN Z-B KLP RWR, Z-C DGC, GGN, Z-D	3.11.11 / 9.00 am	10.12.11 IZ	VTU, Dehradun BHU, Varanasi
23	Baseball (M)	2 to 4.11.11	MDU, Rohtak	4.11.11 / 11.30 am	26.11.11	Cuttack
24	Korfball	4 & 5.11.11	MDU, Rohtak	5.11.11 / 1.30 pm		Vacant
25	Handball (M & W)	5 to 7.11.11 M 8 to 10.11.11W	MDU, Rohtak	7.11.11 / 2 pm M 10.11.11/2 pm W	10.12.11 IZ	PU, Chandigarh
26	Hockey (W)	5 to 8.11.11	-do-	8.11.11 / 12 noon	20.12.11 IZ	Vacant
27	Athletics (M & W)	7 to 9.11.11	-do-	During Compt.	17.12.11	Bangalore
28	Wrestling (M & W)	10 & 11.11.11 12 & 13.11.11	Govt. College, Faridabad	11.11.11 / 12.30 M 13.11.11 / 12.30 W	10.12.11	CDLU, Sirsa
29	Hockey (M)	15 to 18.11.11	Jat Coll. Rtk.	18.11.11 / 2 pm	20.12.11 IZ	Vacant
30	Softball (M)	1 to 4.12.11	-do-	4.12.11 / 9 am	25.12.11	PU, Chandigarh
31	Softball (W)	4 to 6.12.11	GC (W) Rohtak	6.12.11 / 9 am	25.12.11	- do -
32	Gymnastics (M & W)	5.12.11 M 6.12.11 W	DAV Cent. Faridabad	During Comt.	25.12.11	GNDU, Amritsar
33	Table Tennis (M & W)	6 & 7.12.11M 8 & 9.12.11W	Vaish College Singg. Rtk.	7.12.11 / 2 pm M 9.12.11 2 pm W	9.1.12 IZ	RTM, Nappur
34	Power Lifting (M)	15 & 16.12.11	MDU, Rtk.	During Compt.	19.1.12	Vacant
35	Weight Lifting (M)	18 & 19.12.11	- do -	- do -	- do -	-do-
36	Best Physique (M)	20.12.11	- do -	- do -	- do -	-do-
37	Power Lifting (W)	21.12.11	- do -	- do -	- do -	-do-
38	Weight Lifting (W)	22.12.11	- do -	- do -	- do -	-do-
39	Basketball (M)	15 to 17.12.11 19 & 20.12.11	Aggr. Bilgarh Z-B MDU Rtk (UTD) Z-A	21.12.11 / 2 pm	26.1.12 IZ	Rej. Uni., Jaipur
40	Squash Racket (M)	20 & 21.12.11	MDU, Rtk.	21.12.11 / 12 noon	2nd Week of Jan. 12	Pune
41	Taekwando (M & W)	15 & 16.12.11 M 17 & 18.12.11 W	MDU, Rtk	16.12.11 / 11.30 M 18.12.11 / 11.30 W	25.2.12	Imphal
42	Volleyball (M)	5 to 9.1.12	G.C. Bhiwani	9.1.12 / 2 pm	NZ IZ 10.2.12	MJP, Rohilkhand Bareilly
43	Kabaddi (M) HS	5 to 7.2.12	Jat Coll. Rtk	---	---	---
44	Kabaddi(W) HS	8 to 10.2.12	VMM, Rohtak	---	---	---
45	Yoga (M & W)	15 & 16.2.12	MDU, Rohtak	---	---	---
46	Relay Races (M)	19.2.12	- do -	---	---	---

Abbreviations :  
 1. M stands for Men Section.  
 2. W stands for Women Section.  
 3. HS stands for Haryana Style.  
 4. NS stands for National Style.

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**(Dr. D. S. Dhull)**  
 Secretary, MDUSC  
 Director Sports, M.D.U., Rohtak



## CALENDAR OF EVENTS OF DEAN STUDENTS WELFARE OFFICE



# MAHARSHI DAYANAND UNIVERSITY ROHTAK

## DEAN STUDENTS WELFARE OFFICE

### Calendar of Events 2011-12

#### CAMPS, COURSES AND ADVENTUROUS ACTIVITIES

	<p><b>1. River Rafting</b> Boys : 03.10.11 to 09.10.11      Pirdi (Kullu) Girls : 12.10.11 to 19.10.11      -do-</p>	
	<p><b>2. Adventure Camps consisting of Rappelling, River Crossing, Parasailing, Ladder Climbing, Rock Climbing etc.</b> Girls : 05.11.11 to 11.11.11      Kalsi/Hathiyari (Mussoorie) Boys : 12.11.11 to 18.11.11      -do-</p>	
	<p><b>3. Basic Snow Skiing</b> Boys : 11.01.2012 to 24.01.2012      Narkanda (HP) Girls : 28.01.2012 to 10.02.2012      -do-</p>	
	<p><b>4. Nature Fauna &amp; Flora Study Camp</b> Boys : 02.02.2012 to 08.02.2012      Dhanachuli (Nainital) Girls : 13.02.2012 to 18.02.2012      -do-</p>	
	<p><b>5. Youth Leadership Training Camp for Professional Institutes</b> Boys &amp; Girls : Feb/March 2012      Dhanachuli (Nainital)</p>	
	<p><b>6. Trekking Expedition</b> Boys : 26.05.2012 to 02.06.2012      Dhanachuli/Narkanda Girls : 05.06.2012 to 11.06.2012      -do-</p>	
	<p><b>7. Youth Leadership Training Camp</b> Girls : 02.06.2012 to 08.06.2012      Dhanachuli Boys : 11.06.2012 to 17.06.2012      -do-</p>	
	<p><b>8. Personality Development Program (Know thyself and Enhance)</b> Boys : 18.06.2012 to 23.06.2012      Dhanachuli Girls : 24.06.2012 to 30.06.2012      -do-</p>	

DATES, DURATION AND VENUES ARE SUBJECT TO CHANGE/CANCELLATION.

**PROF. RAJBIR SINGH**  
Dean Students' Welfare  
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Director Youth Welfare  
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## **CRITERION VI**

### **GOVERNANCE, LEADERSHIP AND MANAGEMENT**



**Students Activity Centre**

## **6.1 INSTITUTIONAL VISION AND LEADERSHIP**

### **6.1.1 State the vision and the mission of the university**

The vision and the mission statements of the university read as under:

**VISION:** ‘The University envisions promoting quality education and research through inter-disciplinary understanding, state-of-the-art learning, and the use of emerging knowledge for developing world-class human resources capable of mastering the global challenges of future technology and management. The University seeks to create, preserve, and disseminate knowledge to build competitive capability for holistic development of man and society.’

**MISSION:** ‘The University is committed to encourage inter-disciplinary higher education and research to spread knowledge to every strata of the society. It aims at creating an innovative, value-based, and research-oriented world-class learning environment and establishing itself as a centre of excellence.’

### **6.1.2 Does the mission statement define the institution’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution’s tradition and value orientations, its vision for the future, etc.?**

The mission statement is self-speaking. It is easy to make out from this statement the university’s responsibility towards the students in particular and the society at large. The university is ‘committed to encourage value-based inter-disciplinary higher education and research to spread knowledge’ to every part of the territorial jurisdiction assigned to it by the State Govt. through quality teaching and congenial classroom environment. Acknowledging its constitutional obligations, the university welcomes aspirants for higher education from all strata of the society irrespective of race, class, caste, and creed. Keeping in view these beliefs, the university pursues the following goals:

- i) Fostering inter-disciplinary higher education;
- ii) Exhorting students to opt for integrated courses in the fields of Social Sciences, Humanities, Sciences, Law, Management and Technology;
- iii) Providing opportunities for advanced learning in professional courses such as Management, Law, Engineering and Technology, Pharmaceutical Sciences, etc. through proper blending of theory and practice;
- iv) Permeating education to such underprivileged groups as remain deprived of regular mode of education;
- v) Forging social and cultural aspects for community development through establishment of departments of languages, fine arts, sociology, etc.;
- vi) Disseminating knowledge through research in participative cross-cultural settings;
- vii) Inculcating and strengthening the core values of commitment in teachers and students alike;
- viii) Continual upgradation of the existing and formulation of new courses to produce manpower with skills to meet the global market demands;

- ix) Empowering women through modern and scientific value-based spiritual education;
- x) Promoting equity in distribution of education with an emphasis on rural communities;
- xi) Placing special emphasis on sports, cultural and extra-curricular activities for overall personality development of the students.

### 6.1.3 How is the leadership involved

- \* in ensuring the organization's management system development, implementation and continuous improvement?
- \* in interacting with its stakeholders?
- \* in reinforcing a culture of excellence?
- \* in identifying organizational needs and striving to fulfill them?

**His Excellency, the Governor of Haryana** is the ex-officio Chancellor and the Head of the University. The university remains under his scanner all the time. The university also keeps him apprised of all important developments from time to time.

**The Vice-Chancellor**, as the whole time Principal Executive and Academic Officer of the university, exercises general supervision and control over the day-to-day affairs of the university. He translates the decisions of all the university authorities into action, and facilitates interactive and participative teaching-learning in a very congenial and harmonious academic environment to induce the culture of excellence. In consonance with the goals for quality assurance in different fields of academic and research interest, he coordinates all the activities to address local, regional and national socio-economic development needs, and ensures implementation of all policies of the State and Central Governments, University Grants Commission, and other regulatory bodies.

**The Registrar**, who is also appointed by the Chancellor, is the Chief Administrative Officer of the university. He is an ex-officio Secretary of the University Court, the Executive Council, and the Academic Council.

**The Dean, Academic Affairs** oversees the academic matters of the university and renders appropriate advice to the Vice-Chancellor. There are 12 faculties, each of which is headed by a Dean, appointed by rotation.

**The Head of the Department**, in consultation with the Departmental Committee, works for the academic functioning and development of the departmental unit under his charge. Other officers of the university - Proctor, Provost, Dean of Students Welfare, Dean of Colleges, University Librarian and Controller of Examinations - also provide leadership and discharge important responsibilities in their respective areas.

The university employs various channels of communication – internet, newspapers, radio – for sharing of information and maintaining transparency with regard to programmes of study.

**6.1.4 Were any of the top leadership positions of the university vacant for more than a year? If so, state the reasons.**

It has always been the sincere endeavour of the State Govt. and the top executive of this University to fill up the top leadership positions as early as possible. Sometimes these positions remain vacant due to factors beyond university's control. For instance, the university could not fill up the position of Finance Officer, University Librarian, etc. for sometime due to non-availability of a suitable candidate despite floating advertisements in the national dailies. However, as of now, no top position is vacant.

**6.1.5 Does the university ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?**

The University Act, 1975 provides for the following university authorities:

- i) the Court;
- ii) the Executive Council;
- iii) the Academic Council;
- iv) the Finance Committee; and
- v) the Faculties.

Their constitution and powers have been defined unequivocally in the University Calendar Vol. 1 containing University Act and Statutes. In addition to the above five university authorities, other university statutory bodies include Selection Committees for appointment of teachers, Establishment Committee for recruitment to non-teaching posts, P.G. and U.G. Boards of Studies, Departmental Research Committees, Departmental Committees, Library Committee, and Admission Committees. The university initiates immediate action to fill up the positions that fall vacant on account of completion of tenure or any other reason of any member – nominated or elected. The positions on these bodies are thus never allowed to remain vacant.

The constitutions of the first four statutory bodies/authorities of the University **will be made available to the Peer Team during the 'On-site-visit' as Annexures-6.1 to 6.4.**

The statutory bodies meet regularly as per requirement of the Act and the Statutes, and/or the agenda. The Court - the highest body of the university - meets once a year, sometime in the second half of March, wherein all important policy matters are discussed and approved, and the university budget passed. The other important bodies like Executive Council, Academic Council, etc. meet regularly depending upon the agenda and importance of the issue(s). During 2010-11 and 2011-12, the Court, the EC and the AC met as many times as 02, 16 and 12, respectively as given below:

**Dates of meetings of the Court, EC and AC held during 2010-11 & 2011-12**

<b>The Court</b>		<b>1 meeting held on 30.03.2011</b>	
<b>The Executive Council</b>			
<b>16 meetings held on</b>			
01.05.2010	24.12.2010	09.06.2011	01.03.2012
10.07.2010	05.02.2011	29.08.2011	28.03.2012
17.09.2010	29.03.2011	30.11.2011	22.06.2102
15.10.2010	25.04.2011	13.01.2012	05.08.2012

<b>The Academic Council</b>		<b>12 meetings held on</b>	
23.04.2010	08.03.2011	14.10.2011	29.06.2012
06.08.2010	30.05.2011	29.02.2012	16.08.2012
16.11.2010	11.07.2011	25.05.2012	

The decisions taken by the statutory bodies focus on promoting quality and enhancing academic ambience. The details of major decisions taken by the Executive Council in the above meetings **will be made available to the Peer Team during the ‘On-site visit’ as Annexure-6.5.**

**6.1.6 Does the university promote a culture of participative management? If yes, indicate the levels of participative management.**

The constitutions of various statutory bodies speak evidently of the participative nature of management even at the highest levels. The system provides for continuous involvement of all important functionaries and the faculty in the decision making and policy formulation, as also in the formulation of academic, research, and extension programmes. At the university level, faculty representation on all the important decision making bodies - the Court, the Executive Council, and the Academic Council – is provided for either by seniority and/ or by election.

In addition, different committees are constituted / nominated by the Vice-Chancellor from time to time to guide and administer the university functioning both at the academic and administrative levels. At the departmental level, faculty is actively involved in academic decision-making and in other decisions taken by the Boards of Studies and other Departmental Committees.

**6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges and the support and encouragement given to them to become autonomous.**

The university provides academic and administrative leadership to the affiliated colleges through its College Development Council. The Council frames rules and guidelines for affiliation, governance, academic monitoring, and development of government-aided and self-financing colleges/institutions in all spheres of knowledge with the approval of the Academic Council – the University’s watchdog in academic matters. The course curricula for all academic programmes offered by the affiliated colleges is prepared and structured to meet the emerging needs of the society, industry, govt. and international market by an elite group of academia drawn from the University Teaching Departments, affiliated colleges and the industry. The course curricula, so prepared, are placed before the Academic Council for deliberations and approval. It is worthwhile to note that the affiliated colleges have representation on the Academic Council through their teachers/Directors/ Principals.

The university encourages and advises the colleges/institutes to offer courses in the emerging areas; provides necessary support to the colleges in the faculty development programmes; motivates the participation of students in the co-curricular and extra-curricular activities organized by the university a dozen times



in a year; has established an Administrative Staff College in June 2011 for organizing skill upgradation programmes for the administrative and ministerial staff of the University and affiliated colleges; hosts workshops of the Principals/Directors/teachers/staff of the colleges/institutes to apprise them of the latest developments such as ERP implementation in the University; and deputed experts for recruitment of the teachers and other staff whenever asked for.

**6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?**

The University has an independent ordinance for grant of 'Autonomous Status' to a college/institute wherein necessary guidelines have been laid down. The Academic Council keeps on revising the existing guidelines and devising new ones to meet the emerging needs and challenges. The college/institute submits an application for the grant of 'autonomous status'. If the applicant college/institute satisfies the Executive Council of the University that it meets all the requirements prescribed in the ordinance and other rules/regulations approved by it from time to time, it is only then that the Council approves the grant of autonomous status to the college/institute. Finally, the University confers the 'autonomous status' upon the college/institute only after concurrence of the State Government.

In matters of according affiliation to new institutions, the university is guided by norms laid down by the concerned statutory regulatory authorities as under:

- i) University Grants Commission guidelines are observed for according affiliation to the colleges that offer/propose to offer courses in Arts, Science, and Commerce.
- ii) AICTE guidelines are followed for according affiliation to the colleges/institutes that offer/propose to offer courses in Engineering, Management, Pharmacy, and the ilk.
- iii) Ministry of Human Resource Development, Govt. of India/ NCTE guidelines are observed for according affiliation to the colleges/institutes which propose to offer courses in the discipline of education.
- iv) Bar Council of India guidelines are observed for according affiliation to the colleges/institutes which offer/propose to offer courses on legal education.

**6.1.9 How does the university groom leadership at various levels? Give details.**

The top leadership of the University plays a role model to make a positive impact on all levels of functionaries, provides autonomy and environment to the functionaries of different levels to work fearlessly, and issues situation-specific instructions and advice from time to time. In consonance with this policy, most of the academic and administrative powers in a large measure are delegated to the respective Deans of Faculties, and the Heads of the Teaching/Administrative Departments/Offices, including Research and Development. These academics and officers meet the Vice-Chancellor as frequently as required to deliberate on academic, administrative, and developmental matters.

As a matter of fact, an effective internal coordination monitoring system is practised through the Dean, Academic Affairs, Deans of various Faculties, Heads of the Teaching/Administrative Departments, and other functionaries. Whenever warranted, special committees are constituted to deal with special situations. The teachers and branch heads of administrative units are motivated to develop intra-departments linkages for creating a congenial work environment. If any exigency arises, special meetings with the staff are held to discuss and resolve important issues of time-bound nature. The total decision making process is democratic and decentralized which ensures continuous interaction between the teachers and other staff and the administration. This work approach promotes healthy co-ordination among various academic and administrative units of the University.

**6.1.10 Has the university evolved a knowledge management strategy? If yes, give details.**

The knowledge management policy of the University revolves around knowledge creation, access to knowledge, knowledge delivery, and knowledge applications. Implementation of this policy entails infrastructural development, implementation of knowledge management technologies (ICT), well-equipped laboratories initiatives for faculty development, organization of national/international conferences/ seminars/workshops, enhancement of laboratory and library facilities, creation of amenities and facilities for the learners and the faculty on the university campus, and shift from closed traditional teaching-learning process to open environment. All these programmes stand implemented in the university, resulting in creation of best of facilities for knowledge management.

The University, on an average, invests Rs. 300 lac per year on enriching its knowledge base. As a result, the library has a rich collection of knowledge resources - 314789 volumes of books including 14,767 theses, and 48,325 bound volumes of journals. Besides, 553 Indian and foreign journals are subscribed in print form. Online access is provided to 5300 e-Journals through UGC-Infonet facility, 200 Open Access Journals, SCOPUS- an Elsevier database of abstracts from about 18,000 science and social science journals, Emeralds Management Plus- a full text database of management journals including 245 e-journals, Manupatra - a full text law database, and MLA International Bibliography and DELNET database including 304 e-journals. Photocopying service is another tool to bring the knowledge seekers close to the knowledge resources. The UGC has provided a grant of Rs.20.66 lac for digitization of Ph.D. theses.

The University's Directorate of Distance Education is doing a commendable job right from its inception. A year back, it introduced 'Self-Learning Material' (SLM) model whereby the students are provided learning material online, in print form, as well as softcopy on CD. An MoU has been signed between the university and a renowned publisher for the purpose.

**6.1.11 How are the following values reflected in the functioning of the university?**

- \* **Contributing to national development**
- \* **Fostering global competencies among students**



- \* **Inculcating a sound value system among students**
- \* **Promoting use of technology**
- \* **Quest for excellence**

### **Contributing to National Development**

National development, production of competitive human resource, inculcation of values in its own staff and its students, promotion of use of new technologies and march towards achievement of excellence are the hallmarks of university policies. The university has established an Internal Quality Assurance Cell with a senior Professor at the helm of affairs to achieve excellence and impart quality education; has strengthened the Computer Centre with the appointment of a Director at the top and a Sr. System Analyst, two System Analysts, three programmers and three Technical Assistants to support him; has established a state-of-the-art datacenter for computerization all the university functions; and organizes havens and lectures on spiritual development and moral science twice a week in the Matu Ram Yajnasala for the staff and the students alike. Experts from other institutions are invited to deliver lectures on special topics. In addition, the following steps are taken for contributing national development:

- State Government norms are strictly followed in matters of reservation of seats for various categories for admission to all courses run on the campus and in all its affiliated colleges. A transparent roster system based on reservation policy is followed and maintained.
- Constitution of an SC/ST cell, financial assistance to students of socially backward and economically weaker sections in the form of concession in tuition, admission, and hostel fees, Rajiv Gandhi National Fellowship scheme, etc. help address the core issues for the national development.
- Ramps, railings and modified toilets are being provided in various university buildings, besides other facilities for the convenience of differently-abled students. Award of scholarships and provision of books free of charge or at nominal rates are some other facilities made available to them. Special sports meets are also held for some of them to create a feeling of equal status among the differently-abled students.
- Equal opportunities are ensured to the female students in matters of recruitments and admissions. At present, by virtue of their better academic performance, female students represent more than 50 % of the total student strength in all courses on the campus. In teaching and non-teaching staff, female representation is 40.85 % and 17.01 %, respectively.
- The University hosted a ‘Science Enclave’ in collaboration with the State Govt. on 2-3 December 2011 and DST – INSPIRE internship programme during April 28,2012 to May 2, 2012 for the secondary and senior secondary school students to inspire them to join science courses, which, these days, are considered less attractive.

## **Fostering Global Competencies among Students**

Conscious efforts have been made by the university to inculcate global competencies among students through various activities. Important among these are as summarized below:

- The University has introduced several innovative programmes such as continuing education and distance education, and launched high-priority postgraduate programmes like M.Sc. programmes in Environmental Biotechnology, Agriculture Biotechnology, Medical Biotechnology, Bioinformatics, Forensic Science, M.B.A.(Hons.), and M.B.A.(Executive). All these initiatives are meant to respond to the changing societal needs and environmental goals.
- The University Promotes activities directed at students taking leading role in organizing debates, poetry recitations, quizzes, declamation contests, and other competitions to help them to sharpen their talents and mental faculties.
- The University has strengthened university-industry interaction, invites renowned academicians and industrial leaders for discussions, accommodates the viewpoints of leading expert academicians and industry leaders, and restructure the curriculum, accordingly. Some of the teaching departments are using workshop and case study methods to add to the relevance of their respective study programmes.
- Apart from interdisciplinary and interdepartmental collaborative research programmes, as also those in collaboration with other reputed institutions, the university has taken important initiatives to forge international linkages and alliances with some premier educational institutions abroad.
- Faculty improvement and training programmes at regular intervals have been conducted to update teachers with the latest knowledge and skills to the benefit of their students. Formal and informal efforts are also made to improve communication and computational skills of the students.

## **Promoting the Use of Technology and Quest for Excellence**

The university has already started using advanced technology in the discharge of its academic and administrative functions which help in making the system more transparent, efficient, and reliable.

Computerization of all functions of Directorate of Distance Education and putting all activities online, computerization of all library operations and services, provision of access to 6049 e-journals and other e-resources, computerisation of all administrative, financial, examination-related works, hostel functions, store management, provision of internet facility in all classrooms and teachers' rooms, etc. are some ICT-related initiatives, undertaken by the university during the last four years.

### **6.2 STRATEGY FOR DEVELOPMENT AND DEPLOYMENT**

#### **6.2.1 Does the university have a perspective plan for development? If yes,**

### **what aspects are considered in the development of policies and strategies?**

- \* Vision and mission
- \* Teaching and learning
- \* Research and development
- \* Community engagement
- \* Human resource planning and development
- \* Industry interaction
- \* Internationalisation
- \*

The University has taken a number of initiatives for promoting access and expansion of higher education during the XI Plan Period. During this period, several new courses with market potential – M.Tech. (CSE), M.Tech. (Software Engg.), M.Tech. (E&C), M.Tech. (Mechanical Engg.), M.Tech. (Biotechnology), M.Tech. (Engineering Physics), M.Sc. (Bioinformatics), M.Sc. (Agricultural Biotechnology), M.Sc. (Environmental Biotechnology), M.Sc. (Medical Biotechnology), M.Sc. (Forensic Science), M.Lib.I.Sc. 2-Year Integrated, M.A. (Hons.) English 5-Year Integrated, M.A. (Hons.) Economics 5-Year Integrated, M.A. (Hons.) Geography 5-Year Integrated, M.A. (Hons.) Public Administration 5-Year Integrated, - have been launched, and quite a few more being in the pipeline. Besides, the Institute of Hotel & Tourism Management was also set up to offer Diploma, Bachelor and Master Degree Programmes in Hotel Management and Tourism Management.

As a consequence, the students' intake has increased from 5727 at the beginning of the XI Plan to 8332 towards the end of the plan. The percentage of female students has increased from 45.32% to 46.26% during the same period. Similarly, the students belonging to Scheduled Castes, OBC and BC categories have also registered similar growth.

During the XII Plan Period, the University has ambitious plans to further enhance the student's intake capacity, which has already grown by 10% in the existing courses from academic session 2012-13. Ten new job-oriented courses are planned to be introduced. Strategic location of Rohtak, where the MD University is located, will be an added advantage for attracting students from Delhi and other states.

Presently, intake capacity of boys' hostels is 1800 and that of girls is 2000. The University is still facing shortage of hostels. The University has plans to increase its hostel accommodation by 30% to 35% during the current plan period.

During the current plan period, the University plans to make existing buildings compatible to the needs of differently-abled students, and also has plans to provide battery-operated vehicles to them. The central library is proposed to be provided with a lift to make all its floors accessible to the differently-abled persons. The UGC has been approached to provide a sum of Rs.375 lac for the extension of Law and Management libraries.

The University has already set up a Women Study Centre which will undertake various outreach programmes to sensitize women, particularly those who belong to SC/ST/ OBC categories, about their rights so that they may play more constructive role in the social and national development.

Environmental awareness is another area where the University wishes to launch programmes to make the society more responsible to protect the earth for the posterity.

Though the University makes significant contribution towards the development of various sports, yet there is need to enhance sports facilities to international standards. The University wishes to have a synthetic athletic track, a hockey ground and cricket ground of international level. These grounds are proposed to be developed during the XII plan.

The University has plans to make huge investment in ICT enabled technologies in its quest for quality and excellence in teaching and research. It plans to provide smart classrooms in phased manner in all the University Teaching Departments. The establishment of Datacenter at a cost of Rs. 190 lac and surveillance system (CCTV) at a cost Rs. 100 lac with cameras at all strategic locations including library, university gates, etc. has already been embarked upon.

Majority of the teachers have been provided with PCs of latest configuration along with Internet connectivity. All the remaining (around 80) and the newly recruited teachers will be provided the PCs or laptops or tablets to enable them to make their pedagogy more effective and carry out research more efficiently. As a matter of fact, a large majority of them have also been provided PCs in the first year of the current plan. The University also plans to provide tablets to its students, particularly the girls and those who belong to weaker sections. Proposal has already been submitted to UGC for providing financial assistance to achieve this ambitious target.

During the previous plan period, the University has taken initiatives to integrate teaching-learning, research, and administration with ICT. The campus LAN is a hybrid of OFC and Wi-Fi technologies. Though the offices have been connected by LAN, yet there is a need to take it to the hostels and faculty's residences. Some progress has already been made in this direction. The University has embarked upon e-governance during the XI plan. Its implementation is a gargantuan task, and therefore, will spill over to XII plan.

The automation of entire gamut of University functions – administrative work, financial matters, admissions, examinations, hostels operations, e-learning, and so on – is in progress. This will certainly improve the working of the University, bring in transparency, and meet the aspirations of the stakeholders. Plans are afoot to make university website user-friendly for differently-abled by incorporating in it the tools that can be used by listening and visually impaired persons.

Choice-based credit system has been implemented on an experimental basis in ten departments of the Faculty of Life Sciences during the Academic Session 2011-12. The University has plans to implement this system in all the Teaching Departments in a phased manner during the XII Plan Period.

The RFID technology will make the library services more efficient, reduce human intervention substantially, minimize pilferage, and help in shelf order

maintenance. The university library has started its implementation in January 2012. It will be accomplished during the current plan period.

The University has started 24x7 hours help line for students (15 lines) and other stakeholders to seek information about any academic and administrative issue. This will need sustenance during the current plan period.

The University does not have Academic Staff College of its own, but wishes to have one during the XII plan. Of late, the University has established an Administrative Staff College for skill upgradation of the non-teaching staff. This is an initiative unique to this University. This facility will be open not only to its own staff, but will also be available for the staff of all the 550 odd colleges affiliated to M D University. The faculty will need further strengthening during the XII Plan.

The University has placed plans in position to take long strides in research. **For instance, increase in amount of funding from Rs. 2,60,55,515 during 2010-11 to Rs. 6,11,98,173.00 during 2011-12 sanctioned by various funding agencies for research and development projects is an indicator of the University's initiatives in this direction.**

#### **6.2.2 Describe the university's internal organizational structure and decision making processes and their effectiveness.**

The (Maharshi Dayanand) University Act, 1975 provides for five university authorities, namely, the Court, the Executive Council, the Academic Council, the Finance Committee, and the Faculties. Besides these authorities, the other university statutory bodies include Selection Committees for appointment of teachers, Establishment Committee for recruitment to non-teaching posts, P.G. and U.G. Boards of Studies, Departmental Research Committees, Departmental Committees, Library Committee, and Admission Committees.

On crucial issues/matters, the statutory bodies sometimes constitute committees from amongst their members and also associate external experts, if the need arises. The recommendations of the committees are placed on the floor of the respective bodies for deliberations and final decision. The Councils/Boards/Committees maintain and monitor effective co-ordination among various academic and/or supporting units for smooth functioning of the university. The Vice-Chancellor delegates powers to the senior academic officers on most of the routine administrative matters. Almost all the decisions are taken by consensus, except very rarely when a proposal is put to vote. Thus, the decision making processes of the university are highly democratic. The organizational structure of the University is reflected in graphic representation **shall be made available to the Peer Team during the 'On-site visit' as Annexure-6.6.**

#### **6.2.3 Does the university have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?**

The Quality Policy of the University reads as : **'We visualize to establish and operate a quality regime that endeavours to make continual improvement in our systems and processes to the benefit of all the stakeholders in terms of**

**accessibility and productivity, relevance and excellence in the field of higher education with a strong sense of social responsibility and accountability.’**

The Internal Quality Assurance Cell of the University monitors the implementation of the quality policy. The Vice-Chancellor, on the advice of Cell, constitutes an academic and administrative audit committee for each department/administrative unit for the evaluation of its functioning and performance. The committee consists of the Dean of the respective faculty, and two external experts, while the Registrar replaces the Dean in case of administrative units.

The list of Committees which visited the various departments/offices to assess the facilities and to know the delivery systems against a set of parameters stated herein, and made various recommendations for plugging the gaps and further improvements **will be made available to the Peer Team during the ‘On-site visit’**. The recommendations are placed before the Quality Advisory Council for consideration and approval. Finally, the Cell issues instructions to the departments/offices to implement the decision of the Council and pursues their implementation. The Cell also invites suggestions from the faculty and other staff for improvement in the delivery of quality education and improvement in office procedures. The suggestions are processed and implemented the same way as described above. The Cell keeps an eagle’s eye on the progress made in achieving the quality policy goals.

#### **6.2.4 Does the university encourage its academic departments to function independently and autonomously and how does it ensure accountability?**

The departments enjoy full independence and functional autonomy. Each department has a U.G. and P.G. Board of Studies. The constitution of the Board of Studies is given below:

i).	HOD	-	Chairman
ii).	Dean of the Faculty	-	Member
iii).	All Professors in the Department	-	Members
iv).	Two Associate Professors by rotation	-	Members
v).	Two Assistant Professors by rotation	-	Members
vi).	Two external Experts	-	Members

The Departments have full autonomy to devise their academic and research programmes, and review and restructure them from time to time to keep pace with the emerging demands subject to approval of the Academic Council. The academic accountability of the departments is ensured through IQAC reports, students’ feedback, Dean of the Faculty, and formal and informal interaction with the department’s faculty and the stakeholders.

#### **6.2.5 During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?**

A few court suits have been filed by some University staff and outsiders not connected with University on unfounded and malicious grounds. For example, the

University had revised the qualifications for some posts keeping in view the job requirements in the technology-driven environment. Some staff members have approached the Hon'ble Punjab and Haryana High Court that the decision of the University to modify/upgrade the qualifications is malafide. The suits are sub-judice, and decrees are still awaited.

**6.2.6 How does the university ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship?**

The grievances relate to both genders of the staff, students, and other stakeholders. The grievances of the staff are presented to the university administration by the respective elected teaching and non-teaching associations. The grievances are resolved through mutual discussions and the agreements so arrived at are religiously implemented. The University has a 'Committee to Check the Menace of Sexual Harassment and Violence against Women at Their Workplace' to address the grievances of the women, both working as well as students. This Committee is headed by a senior female faculty, and has members from both male and female sections with majority of the latter.

There are anti-ragging committees, both at the University and departmental levels, to deal with the complaints of the students, particularly the freshers. The telephones of the HODs and members of the committees are uploaded on the university website so that the student complaints could be dealt with promptly.

The Dean, Students Welfare and Proctorial Board of the University also deal with the complaints of the students and look after their welfare issues. Each department has a Parent-Teacher Association for interaction between the parents and the teachers to keep the former apprised of their wards' progress in the learning process.

The SC/ST Cell looks after the grievances of the students belonging to the disadvantaged sections of the society, particularly the benefits that should be accrued to them under various government schemes. The Call Centre facility, with 15 telephone lines, has been provided to help the students who are enrolled in the University for higher education in distance as well as regular modes.

The University has worked out a detailed Citizen Charter in consultation with the stakeholders. The copy of the charter **shall be made available to the Peer Team during the 'On-site visit' as Annexure-6.8**. This charter goes a long way in addressing many of the complaints of all sections of the stakeholders. The Citizen Charter, besides having been uploaded on the university website, has been displayed at important locations on the university campus to apprise the students and other stakeholders of their rights.

The University is also implementing its ambitious e-governance project to make its working more efficient, responsive, transparent and convenient. The e-governance system is in its final stage of implementation. It will provide a great relief both to the University and the stakeholders.

**6.2.7 Does the university have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?**

The University has student feedback system in place. The following feedback proforma has been developed by the IQAC

**PROFORMA FOR FEEDBACK FROM STUDENTS**

Department/Institute/Faculty..... Session.....  
 Programme/Course..... Semester.....

**NAAC RATING SCALE**

<b>4.0</b>	<b>3.0</b>	<b>2.0</b>	<b>1.5</b>
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Very Good</b>	<b>Good</b>	<b>Satisfactory</b>	<b>Unsatisfactory</b>

<b>PARAMETERS</b>	<b>Score (Out of 4)</b>
1. Quality of course content <sup>1</sup>	<input type="checkbox"/>
2. Course coverage and delivery	<input type="checkbox"/>
3. Knowledge base of the teachers <sup>2</sup>	<input type="checkbox"/>
4. Communication skills of the teachers <sup>3</sup>	<input type="checkbox"/>
5. Sincerity and commitment level of teachers	<input type="checkbox"/>
6. Practical or applied content of teaching	<input type="checkbox"/>
7. Teachers' accessibility outside the class <sup>4</sup>	<input type="checkbox"/>
8. Teachers' testing methods to evaluate students <sup>5</sup>	<input type="checkbox"/>
9. Learning outcomes	<input type="checkbox"/>
10. Encouragement by teachers for class participation	<input type="checkbox"/>
11. Fairness of internal assessment <sup>6</sup>	<input type="checkbox"/>
12. Availability of optional papers for students' choice	<input type="checkbox"/>
13. Students' knowledge about course details, fees etc. before admission	<input type="checkbox"/>
14. Adequacy and quality of computer labs/workshops/studio etc.	<input type="checkbox"/>
15. Library support	<input type="checkbox"/>
16. Support from administrative office	<input type="checkbox"/>
17. Co-curricular and extra-curricular activities	<input type="checkbox"/>
18. Student-teacher relationship	<input type="checkbox"/>
19. Handling of students' grievances	<input type="checkbox"/>
20. Career counseling and placement facilities	<input type="checkbox"/>
21. <b>OVERALL RATING</b> (Keeping in view general teaching-learning environment)	<input type="checkbox"/>



The proforma is circulated among the students during each semester to obtain their feedback. The feedback report is required to be placed before the Departmental Committee for consideration and implementation of suggestions for institutional and teaching improvement.

#### **6.2.8 Does the university conduct performance audit of the various departments?**

The university has been conducting assessment study of its academic and administrative management since its inception in one form or the other. Earlier, the Dean, Academic Affairs, as the convener of any such committee, used to hold periodical discussions/deliberations on various issues concerning smooth functioning of the departments with the respective Heads of the Departments. Such an exercise is undertaken even now, particularly before the commencement of the new academic session.

However, of late, the Vice-Chancellor constituted a 3-member committee for each Teaching Department/University Library System/Administrative Unit for the purpose of performance audit. This Committee consisted of the Dean of the Faculty concerned and two outside experts in the respective disciplines, nominated by the Vice-Chancellor out of panels proposed by the respective Heads of the Departments/University Librarian/Registrar. Those committees were provided with audit portfolios prepared by the teaching departments/ university library system/administrative units, and other information asked for.

These committees visited the Departments/University Library System/Administrative Units, interacted with students and other stakeholders, and measured performance of each unit against six criteria – curricula development, teaching-learning and evaluation, research, consultancy and extension, infrastructure and learning resources, student support and progression, and innovations made.

The University has been rated as the one having developed curricula matching with the emerging needs, well-qualified and competent faculty, good classrooms, well-equipped labs, splendid computer labs in the departments, state-of-the-art library services, elegant university auditorium and Students Activity Centre, excellent sports facilities, adequate hostel facilities for boys and girls, adoption of e-governance model, a campus booming with extra- and co-curricular activities, good residential houses, well-planned eco-friendly campus, and other facilities such as bank, shopping complex, post office, canteens, etc. The committees have given suggestions such as filling of vacant posts, addition of specific scientific equipments in some departments, etc.

The suggestions of the committees have been implemented. For example, recruitment of teaching and non-teaching staff is being pursued vigorously, library has been allocated additional funds for addition of knowledge resources and modernisation of its services, departments have been provided additional funds for purchase of latest equipments, datacenter with state-of-the art equipments has been established, computer labs have been strengthened in most of the departments, 80 odd teachers who were not having computer facilities on

their tables have been provided the same, students activities are being given due attention and weightage, and so on. A consolidated Academic and Administrative Performance Audit Report **shall be made available to the Peer Team during its 'On-site visit' as Annexure- 6.7.**

**6.2.9 What mechanisms have been evolved by the university to identify the developmental needs of its affiliated institutions?**

The Dean, College Development Council serves as an important link between the university and its affiliates. The university, through the office of the Dean, remains in constant touch with all the affiliated colleges/institutes, keeps a constant watch on their developmental needs, and deposes inspection committees almost every year to ensure observance of the guidelines of the respective Regulatory Bodies. Faculty-student ratio, spacious classrooms equipped with modern teaching aids, library with adequate learning material and cosy reading space, computer lab, language lab, experimental labs, play-grounds, canteen facility, common rooms for boys and girls, parking space, medical aids facilities, public-conveniences, drinking water, etc. form the core factors for assessment of the colleges/institutes.

Many a time, colleges offer vocational courses for which the university conducts special inspections before granting approval to such courses. Recently, the UGC has introduced a scheme of special grants-in-aid for the establishment of women colleges. The university considers requests from such colleges on priority, and grants necessary approval, if the standards for establishing new college/institute are met.

**6.2.10 Does the university have a vibrant College Development Council (CDC) / Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.**

The university has a College Development Council with the Vice-Chancellor as its Chairperson, Dean, College Development Council as Member-Secretary, and the following as members:

- Professors from university teaching departments.
- Principals of affiliated colleges, Registrar of the University, Commissioner of Higher Education, Haryana Govt., Dean Academic Affairs, Director of Distance Education, and Controller of Examinations.

The Dean, College Development Council is the most important link between the university and the affiliated colleges/institutes on establishment and academic matters. He is normally empowered by the Vice-Chancellor to take most of the routine decisions at his own level before these are approved by the respective statutory bodies. The Council deliberates on all the academic, administrative, and developmental programmes and policies concerning affiliated colleges, take appropriate decisions thereon, and ensures their implementation.

The affiliated colleges/institutes are assessed periodically – once a year in most of the cases, with a view to ensure smooth conduct of various courses. The university deposes inspection committees to inspect the colleges/institutes,

normally during the summer vacations so that the discrepancies, if any, pointed out by the inspection committees, are met before the beginning of the ensuing academic session.

The inspection committee starts the audit of the college/institute with direct interaction with the faculty, lab-staff, supporting staff, etc. Thereafter, the physical verification of all the facilities - classrooms equipped with modern teaching aids, library with adequate learning material in electronic and print form and cosy reading space, computer lab, language lab, experimental labs, playground, canteen facility, separate common rooms for boys and girls, parking space, medical aids facilities, public-conveniences, drinking water, staff room, facilities for differently-abled persons, and generators for uninterrupted power supply - is done. The committee goes through the previous year's report, and submits its report for the current session with full details dwelling on the action taken by the college/institute on previous year's report. The college/institute is provided with a copy of the report for compliance of recommendations and removal of deficiencies, if any.

### **6.3 FACULTY EMPOWERMENT STRATEGIES**

#### **6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff?**

There is a provision in the University statutes for grant of three years each of study leave and sabbatical leave to the teachers for the pursuit of higher education and availing of teaching and research assignments in other institutions.

The departments of the university conduct refresher and orientation courses regularly for internal as well as external faculty. The UGC liberally extends grant-in-aid for such programmes. The faculty is motivated by the university to attend such courses at other places also. Since the state of Haryana already has three Academic Staff Colleges, our faculty gets ample opportunities throughout the academic session to attend refresher and orientation courses as per requirement.

The university also organizes staff development programmes for non-teaching staff for value addition to their skills for a technology-driven administrative functioning. The University Computer Centre conducts short-term courses on regular basis. During the last two years, sixteen such programmes were organized (21.06.2010 to 20.07.2010, 09.08.2010 to 08.09.2010, 10.08.2010 to 15.09.2010, 15.03.2011 to 16.04.2011, 16.05.2011 to 15.06.2011, 16.08.2011-15.9.2011, 21.02.12, 05.03.12, 12-15.3.12, 09.04.12, 11.-12.04.12, 24-26.04.12, 01-03.05.12, 22-23.05.12, 27-29.06.12, & 13-16.08.12 ).

The participants in such programmes are given instructions in the basics of computer hardware, imparted training in the use of operating systems such as Windows, and equipped with skills to use application softwares such as MS Office. Good knowledge of ICT, and MS Office, particularly, Word, PowerPoint and Excel, have been made essential qualifications for recruitment to the posts of Clerk-cum-Junior Data Entry Operators.

The Executive Council has also taken a decision in its meeting held on 09.06.2011 to set up an Administrative Staff College to meet the training needs of the administrative staff of the university as also those working in the affiliated colleges/institutes. As a matter of policy, the university imparts on-the-job training to the newly recruited staff to enable them to learn the basic office procedures before they are put on any regular duty. Non-Teaching staff, wherever and whenever required, is deputed for training outside the university also.

**6.3.2 What is the outcome of the review of various appraisal methods used by the university? List the important decisions.**

The university has put in place a well-designed convenient 'self-appraisal system' for its faculty. Each faculty member is required to submit a self-appraisal report annually on the basis of such parameters as teaching hours, number of subjects taught, research papers/articles/books published, conferences attended, papers presented in the conferences, new curricula designed/developed, participation in extracurricular/co-curricular activities, extra responsibilities assigned by the university, and other contributions made towards the society.

The self-appraisal reports of the teaching staff, duly verified by the Heads of respective Teaching Departments, are evaluated by the subject experts outside the university. These reports are considered even at the time of upward movement for higher Grade Pay. A teacher committed more to teaching and research is also rewarded by the university in various forms. Many faculty members have been promoted recently on the basis of their self-appraisal reports as one of the criteria.

These self-appraisal reports are great motivators to the faculty members in terms of their annual contributions and help them introspect their strengths and weaknesses which, in turn, help them improve upon their past performance in a progressive manner.

The performance appraisal of the non-teaching staff is equally important for efficient running of an institution. The University has Annual Confidential Report (ACR) system wherein the branch heads make specific observations based on performance of their juniors. These reports are again placed before the Reviewing Officer whose remarks are finally carried to convey to the delinquent employee to see the writing on the wall. Such reports are given due consideration for promotion and/or confirmation of the non-teaching staff.

**6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.**

The University has the following staff welfare schemes in operation:

- a) Loans at concessional interest rates for building of houses, and purchase of computers and vehicles.
- b) Interest free loan to Group C & D employees for purchase of wheat.
- c) Marriage loan of Rs. 1,00,000.00 and Rs.60,000.00 for marriage of daughter and son, respectively at concessional interest rates.

- d) Full tuition fee concession to the children of the employees getting education in the courses offered by the University.
- e) Re-imburement of expenditure on school education of two children @ Rs. 500/- per month per child.
- f) Pension Scheme and Defined Pension Scheme for employees in the service of the University before and after 2006, respectively.
- g) Leave Travel Concession (LTC) benefit to the employees in the form of either one month salary or re-imburement of expenditure on Leave Travel, if bills are submitted.
- h) Six months Maternity Leave to female employees.
- i) Upto two years Child Care Leave to female employees for two surviving children upto the age of 18 years.
- j) Several other types of leaves such as Special Casual Leave, Hospital Leave, Anti-Rabic Treatment Leave, Quarantine Leave, Half Pay Leave, etc. to meet exigencies and emergencies.
- k) Residence on Campus at concessional licence fee.
- l) Community Centre facilities at very low rates for social ceremonies and without any charge for some ceremonies.
- m) Faculty Club facilities at concessional rates for evening pastime.
- n) University Health Centre for free medical advice, and full medical re-imburement for indoor patients.
- o) Facility for spiritual development at Ch. Matu Ram Yajnasala.

Every employee has availed one or the other benefit in the last four years.

#### **6.3.4 What are the measures taken by the University for attracting and retaining eminent faculty?**

The University offers higher basic pay, residential accommodation in the campus, and special lab facilities in science disciplines for bringing the eminent faculty from outside into its ambit. The University has also made provisions in its statutes to re-employ its eminent superannuated faculty from other educational institutions. A few such faculty are already in its service, while some more are being identified.

#### **6.3.5 Has the university conducted a gender audit during the last four years? If yes, mention a few salient findings.**

- Gender ratio statistics both for students and teachers are annually collected from each department. While the enrolment data is documented and analyzed, social profiles and gender profiles of staff and students are closely watched and monitored for analysing and observing future trends.
- At present women have representation of 40.85% in the teaching staff, 17.01% in the non-teaching staff, and 50 to 90% in the student population in various departments.
- The university provides equal opportunities to male and female students in matters of recruitments and admissions. Though there is no separate quota for

admission of women students as a matter of reservation, but owing to better academic performance, female students represent more than 50 % of the total student strength in all courses on the campus.

- Woman teachers are given due representation in various committees and other governance activities of the university administration. Special welfare activities such as cultural, adventure, and sports are arranged for the girl students.
- The university administration keeps a continuous watch on maintaining gender ratio by taking feedback from HODs and other functionaries. No indifference is allowed in respect of women empowerment in the university functioning.
- A working women hostel has been built on the campus.
- Women grievance cells have been created at university and department level to address issues of the women concern. Cases of sexual harassment, if ever reported, are strictly dealt with.
- In the technical courses of study (such as Pharmaceutical Sc. and Engg.), 25% horizontal reservation has been provided for girls of all categories (All India, Haryana Open, SC, BC-A, BC-B and PH/ESM/FF, etc.).

#### **6.3.6 Does the university conduct any gender sensitization programmes for its faculty?**

The Women Study Centre undertakes various outreach programmes to sensitize women, particularly those who belong to SC/ST/ OBC categories, about their rights so that they may play more constructive role in the social and national development. Some of the activities undertaken by the Centre during 2010-11 and 2011-12 are listed below:

1. Organized a 'Workshop on Emerging Trends in Gender Studies in India' on March 30, 2010.
2. Organized a 'Workshop on Integrated Initiative to Combat Declining Sex Ratio in Haryana' in collaboration with WPC and HNYKS on June 30, 2010.
3. Organized 'Field Visits to Educate Women' September 16-17, 2010.
4. Organized a 'Workshop on Domestic Violence in Haryana: Problems of implementation of Domestic Violence Act' on Sept. 14, 2010.
5. Organized a 'Workshop on Empowering Women in Higher Education' on September 24, 2010.
6. Organized a 'Lecture on Property Rights of Women' in Nov., 2010.
7. Organized a 'National Seminar on Eliminating Daughters: Paradox of Development in India' on December 15-16, 2010.
8. Celebrated 'International Women's Day' on March 8, 2011.
9. Organized a 'Health Assessment and Awareness Camp for Female Students of the University' on September 30, 2011.
10. Organized an 'Awareness Campaign Against Female Feticide' on January 21, 2012.

11. Organized a ‘National Seminar on Women, Society and State’ on February 9-10, 2012.
12. Organized a ‘Workshop on Enhancing Success and Flourishing in Women’ on March 27, 2012

In addition to the above, a full course on WOMEN MEDIA forms an important part of the course inputs in Journalism and Mass Communication, which is an important initiative in gender sensitization.

The University also provides budget to the ‘Cell to Check the Menace of Sexual Harassment and Violence Against Women’ every year to organize women sensitization programmes e.g. a sum of Rs. 50,000/- has been provided during the current financial year.

### **6.3.7 What is the impact of the University’s Academic Staff College programmes in enhancing the competencies of the university faculty?**

The University does not have its own Academic Staff College. However, three other universities in the state have such colleges. The University deputed its academic staff to attend refresher courses offered by the above said colleges and other such colleges in the country. However, the University Teaching Departments organize refresher courses. The teachers are allowed to attend these courses. Such courses, undoubtedly, sharpen the faculties and enhance the competencies of the faculty in discharging their teaching assignments and undertaking research in emerging areas.

## **6.4 FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION**

### **6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?**

The University has codified and published its own financial rules and regulations for the convenience of the university community and other stakeholders. The publication of University’s ‘Calendar Volume IV: University Accounts Code’, codifying general principles of financial management and control of the university revenues and grants received from the govt. and various funding agencies, procedures for procurement of stores and control thereof, etc. is indeed a marvelous feat. This compilation has proved of immense help to the faculty and the administrative staff of the University and other stakeholders to acquaint themselves fully with rules, regulations, Ordinances, etc.

### **6.4.2 Does the university have a mechanism for internal and external audit? Give details.**

**Yes**, the university has its own audit rules in position, including exhaustive Accounts Code, duly approved by the University Authorities, and where needed by the State Govt. A copy of the audit rules may be referred to at **Annexure-6.9**. At the initial stage, the bills/vouchers are pre-audited by the Govt. auditors posted in the university on regular basis. Thereafter, these are post-audited by the auditors deputed by the Haryana Govt. Expenditure is thus incurred only after

prior sanction of competent authority, checking by university staff, and pre-audit by the auditors with a provision for post-audit.

**6.4.3 Have the accounts been audited regularly? What were the audit objections, if any, and how were they complied with?**

Yes, the university accounts are regularly audited by Govt. auditors. There has not been any major audit objection against the university so far. Continuous efforts are made to settle audit requisitions, advances, and provisional payments.

**6.4.4 Provide the audited income and expenditure statement of academic and administrative activities of the last four years.**

The statement of income and expenditure for the last four years is given below:

S. No.	Year	Income (Rs. in lac)	Expenditure (Rs. in lac)
1	2008-09	21501.26	19943.20
2	2009-10	26800.96	27461.81
3	2010-11	30469.87	32400.07
4	2011-12	32984.34	33920.44

It is evident from the above figures that the financial health of the University is very sound. The detailed statement of Income and Expenditure for the financial year 2011-12 may be seen at **Annexure-6.10**.

**6.4.5 Narrate the efforts taken by the university for resource mobilization.**

The University has created many endowment funds during the past few years for the purpose of award of scholarships to meritorious students. In some cases, the amount of interest generated from such endowment funds is used even for the award of Gold / Silver Medals to the 1<sup>st</sup>/2<sup>nd</sup> position holders in selected subjects / departments. The donations amounting to Rs.36,41,846/- were received for the purpose from non-govt. donors during 2009-10 and 2010-11.

**6.4.6 Is there any provision for the university to create a corpus fund? If yes, give details.**

The University adds some amount to its Corpus Fund every year. The additions made to this Fund during the last four years are given below:

Sr. No.	Year	Addition (Rs. in lac)
1	2008-09	1000.00
2	2009-10	2000.00
3	2010-11	2000.00
4	2011-12	3000.00

**6.5 INTERNAL QUALITY ASSURANCE SYSTEM**

**6.5.1 Does the university conduct an academic audit of its departments? If yes, give details.**

To pursue the goals set by the quality policy as enshrined in the Quality Policy Statement given under Section 6.2.3 of this document, and to keep its academic



system upto-date to meet the emerging market demands, the Internal Quality Assurance Cell, established in 2003, provides a platform for conducting audit of the teaching departments, supporting services and administrative offices. Of late, an academic audit of the entire university was conducted during August 2011 to January 2012. The common report on the academic audit prepared by IQAC **shall be made available to the Peer Team during the ‘On-site visit’ as Annexure-6.7.**

**6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?**

The University has taken several initiatives to inject quality in academic and administrative units. Some of the measures that have been embarked upon on the recommendations of the Quality Assurance Council – the oversight committee of IQAC- are enumerated below:

- i) Continuous updation of course curricula through regular meetings of Board of Studies has been introduced. As a result, majority of courses offered by the University have been restructured.
- ii) Suitable mechanism to ensure regularity in holding classes has been developed and put in place. Students’ attendance is being monitored.
- iii) Parent-Teacher Associations have been constituted in all the Teaching Departments to keep the parents apprised of the progress of their wards in the learning process.
- iv) Student feedback mechanism has been developed and implemented.
- v) Alumni Association of each department as well as such an Association at the University level has been formed. These Associations meet once in a year. The conference of the University Alumni Association was last organized on 12.02.2012.
- vi) Counselling and Placement Cell of the University has been established with a senior Professor as its Director. Such Cells operate at departmental levels also.
- vii) The University has taken initiative to involve stakeholders in the decision making process.
- viii) Central Language Lab has been established in the Department of English and Foreign Languages, while another is in the offing in the University Institute of Engineering and Technology.
- ix) Choice-based Credit System has been introduced in the Faculty of Life Sciences. It will be introduced gradually in the remaining faculties viz., Pharmacy, Physical Sciences, Social Sciences and Humanities also.
- x) Over 270 teaching and non-teaching posts have been filled up during the last one year. Another 200 are expected to be filled up by March 2013.

**6.5.3 Is there a central body within the university to continuously review the teaching-learning process? Give details of its structure, methodologies of operations and outcome?**

The development, application and maintenance of quality benchmarks for all key performance areas is one of the emerging challenges faced by the higher education institutions. To institutionalise the process of quality sustenance and enhancement, the University had established its Internal Quality Assurance Cell way back in 2003.

The Quality Advisory Council, consisting of the Vice-Chancellor as Chairman, Dean Academic Affairs, Dean of Research, Registrar, University Librarian, four outside experts, seven Deans/Heads of the Departments/Professors, and Coordinator, IQAC as members, and Director IQAC as Member-Secretary, performs the role of an oversight committee. As of now, the Council stands constituted as under:

<b>S. No.</b>	<b>Name and Office</b>	<b>Designation</b>
1.	<b>Prof. R. P. Hooda, Vice-Chancellor</b> M.D. University	Chairman
2.	Prof. Ravinder Vinayek, Dean, Academic Affairs	Member
3.	Prof. K. K. Verma, Director, Research & Development	Member
4.	Prof. H. J. Ghosh Roy, Director, IMSAR	Member
5.	Prof. Narender Garg, Dept. of Commerce	Member
6.	Prof. S. K. Gakhar, Centre of Biotechnology	Member
7.	Prof. S. P. Khatkar, Director, U.I.E.T.	Member
8.	Prof. Arun Nanda, Head, Dept. of Pharmaceutical Sciences	Member
9.	Prof. Madhu Nagla, Dept. of Sociology	Member
10.	Prof. A. S. Mann, Head, Dept. of Physics	Member
11.	Prof. Prem Singh, University Librarian	Member
12.	Dr. S.P. Vats, Registrar	Member
13.	Dr. Pardeep Ahlawat, Associate Prof. & Coordinator, IQAC	Member
14.	Prof. S. K. Bedi, Dean Administration and Professor of International Business, IMT, Ghaziabad	Outside Expert
15.	Prof. N. K. Matta, Dept of Botany, Kurukshetra University, Kurukshetra	Outside Expert
16.	Prof. R. C. Verma, Dept of Physics, Punjabi University, Patiala	Outside Expert
17.	Prof. H. L. Verma, Haryana School of Business, GJUS&T, Hisar	Outside Expert
18.	Prof. M. I. Hassan, Head, Dept. of Geography & Director, IQAC	Member-Secretary

The Council meets regularly, considers the reports placed before it by the Director, IQAC, monitors the enforcement of decisions taken by it, and renders advice for future educational development of the University.

#### **6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?**

Some of the strategies and processes that the IQAC has developed and enforced are:

- i) Development of quality benchmarks.
- ii) Implementation of quality policies.
- iii) Development of feedback mechanism.
- iv) Holding regular meetings to review progress.
- v) Conducting visits to the departments and administrative units to ensure implementation of quality policies.
- vi) Adoption of foolproof selection criteria for appointment to the teaching and other posts.
- vii) Promoting transparency in the university functioning and decision making processes.
- viii) Empowerment of the Heads of the Teaching Departments to take independent decisions for research and development programmes with the active participation of the faculty.
- ix) Fostering mutual respect and trust among the employees - teaching as well as non-teaching staff.
- x) Ensuring regularity in holding classes.
- xi) Monitoring of students' attendance in classes.
- xii) Apprising the parents of the progress of their wards in the learning process through Parent-Teachers meetings.
- xiii) Involving stakeholders in the decision making process.
- xiv) Regular audit of the functioning of administrative units.
- xv) Continuous updation of course curricula through regular meetings of Board of Studies.
- xvi) Consolidation of Information Brochure into one informative and manageable volume.
- xvii) Automation of all functions of the university - admissions, examinations, financial matters, administrative functions, store inventory and control, hostel affairs, library operations, and so on.
- xviii) Establishment of Counselling and Placement Cell.
- xix) Formation and activation of Alumni Association.
- xx) Implementation of academic and administrative audit system in all the Teaching and Administrative Departments/Offices.

#### **6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the university for implementation?**

In the first instance, IQAC proposals are placed before the Quality Assurance Council for consideration and approval, which is followed by its implementation

by various departments and offices. The implementation reports are again placed before the Council for information and necessary action, if any, in its subsequent meetings. If any decision/proposal requires the approval of any statutory body, the approval is sought before its implementation, and the matter is again reported to the approving authority.

**6.5.6 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.**

As evident from the constitution of the Quality Assurance Council given under Section 6.5.3 above, the Council has four outside experts. The advice of the experts is given due weight.

**6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?**

Teaching departments maintain academic record of the students, right since their joining a course of study, as also of their performance while doing the course. This record is useful for assessing incremental growth of all the students, but more so of those coming from the disadvantaged sections of the society.

- The university ensures comprehensive growth of students of all backgrounds. State Government norms are followed in reservation of seats for admission to all courses run on the campus and in all its affiliated colleges. 20 % seats are reserved for SC/ST candidates and 27 % for backward classes.
- The university has established **an SC/ST Cell** for promoting, monitoring, and protecting the interest of such students.
- Financial assistance is provided to the students of socially backward and economically weaker sections in the form of concession in tuition, admission, and hostel fees. In some cases, full fee concession is allowed without any discrimination.
- Recently, the university took special pains to motivate research students from these sections to apply for **Rajiv Gandhi National Fellowships**, which has benefited many of them.
- The university has constructed a separate hostel for the SC students, although any formal segregation is discouraged.
- The **University Centre for Competitive Examinations** organizes coaching programmes for those coming from weaker sections to prepare them for competitive examinations. A token money is charged from SC/BC students and those below poverty line joining the modulated short-term courses offered by the Centre.
- More than 50 % of students enrolled in various courses in the campus are girls, all of whom are accommodated in the hostels.
- Needy SC/BC students are also given financial assistance from the Students' Welfare Fund and other sources.
- University Information Brochure is made available to them at a subsidized rate of 25% of its cost.

- Ramps, railings, and modified toilets are being provided in various university buildings for the convenience of **differently-abled students**.
- There is a 3% reservation for differently-abled students for admission in each teaching department.
- Award of scholarships and providing books free of charge, or at nominal rates, are other facilities given to the differently-abled students.
- Special sports meets are also held for some of them to create a feeling of equal status among the differently-abled students.
- The DSW office has launched a scheme called “**Samarth**” for physically handicapped students, through which these students are given some awards in the shape of mementos, books, and other motivational literature, besides a stipend of Rs. 3100/- to each such student.
- In addition, 25 % horizontal reservation for girls has been provided for students of all categories (SC/ BC-A & BC-B / PH, ESM, FF, etc) in the various technical courses, such as Engineering and Pharmacy.

#### **6.5.8 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?**

The IQAC is responsible for conducting periodic review of the administrative and teaching departments, restructuring of course curricula, and research programmes. Of late, such a review was conducted between August 2011 to January 2012.

#### **Any other information regarding Governance, Leadership and Management which the University would like to include**

The university is committed to achieving excellence, and has made remarkable strides under the dynamic leadership and able guidance of its Vice-Chancellor. Such leadership is an epitome of value-based and ethical functioning with a spiritual flavour. The core values of respect, openness, professional commitment, and sense of responsibility have helped all important obligations being met and achieved with high level of satisfaction. The following best practices in Governance and Leadership that the university has adopted over the last few years are briefly described as below:

- i) **State-of-the-art Datacenter:** Datacenter having servers with mirroring facilities, storage devices, firewall, switches, 42 PCs, power back-up system, OS and application softwares along with development tools, etc. has been established to operate e-Governance System (ERP) and host university databases.
- ii) **Call Centre:** A Call Centre with 15 telephone lines and an Information Desk with two persons in position have been established to address the day-to-day problems of the students and other stakeholders. The Call Centre operates from 9.00 a.m. to 9.00 p.m. and Information Desk from 8.30 a.m. to 5.00 p.m. across the year except Sundays.
- iii) **Campus Network:** The University has a very robust campus-wide network wrapped around the state-of-the-art OFC and Wi-Fi technologies with over

3500 network points in departments and offices. The university has 1Gbps connectivity for Internet surfing through BSNL and a PRI line from Reliance Communications. All the departments and hostels housing research scholars are connected to the campus network.

The establishment of a network of 460 computers in the hostels, new administrative block and examination block at a cost of Rs. 53.00 lac is in the offing. It is a landmark achievement of the University.

- iv) **Smart Classrooms:** Smart Classrooms with e-podiums, electronic panels and sound system have been established in some departments, while others will follow suit, in XII Plan period.
- v) **Cyber Cafés in Students Activity Centre:** A Cyber Café in the Students Activity Centre has been established for the benefit of the students.
- vi) **‘Online Campus’ for Students Enrolled for Distance Education Courses:** The Directorate of Distance Education has launched an ‘online campus’ facility to provide end-to-end solutions to the students enrolled with the university for distance education courses. This university is the first in the country to provide this facility. Besides addressing the day-to-day problems of the students, they are provided self-instructional material in three formats – online, print form, and copy on CD.
- vii) **Internal Quality Assurance Cell:** The University has established its Internal Quality Assurance Cell (IQAC). A senior Professor with the designation of its Director looks after its activities. A Quality Assurance Council consisting of the Vice-Chancellor as its Chairman, Director, IQAC as its Member-Secretary, and 16 others as members, oversee the functioning of the Cell, frames quality-related policies, and ensures their implementation. The meetings of the Council are held regularly.
- viii) **Academic and Administrative Audit:** The University has devised a Self-Academic and Administrative Audit system. Hereunder, audit of each teaching department and administrative unit is conducted by a committee comprising the Dean of the concerned faculty and two outside experts. The report of the committee is forwarded to the Director, Internal Quality Assurance Cell, who places the same before the Cell’s governing council for consideration and necessary directions to the respective departments and offices for compliance.
- ix) **Technology-based Surveillance System:** Installation of CCTV Intelligent Surveillance System for maintenance of internal security is another noteworthy achievement of the University.
- x) **University Accounts Code:** The University has its own Accounts Code in position duly approved by the Executive Council in its meeting held on 09.06.2011. It is a document with detailed rules and a large number of standardized forms for various purposes. It is a unique achievement which only a few universities can claim.

**xi) Administrative Staff College:** The Executive Council of the university has taken an important decision in its meeting held on 09.06.2011 to set up an Administrative Staff College. It is envisioned to meet the training needs of the administrative staff of the university, as also those of affiliated colleges/institutions. Further, as a matter of policy, the university imparts on-the-job training to the newly recruited staff to enable them to know the basic office procedures before they are put on any regular duty/job.

The students do their best by exhibiting excellent performance in academics as well as in extra-mural activities. Girl students are doing exceptionally well, bagging 80% of the Gold Medals based on their performance in examinations and extra-mural activities. The non-teaching staff also works with enviable devotion. They, indeed, are the ones who provide desired support for all the achievements garnered by the students and teaching staff. All three have been working in perfect harmony, ensuring perfect peace on the campus.

### BASIC RULES OF AUDIT OF ACCOUNTS

- 1 (a) The accounts of the University shall be **regularly audited either by the Internal Audit of the University** or by the Joint Director, Local Audit on the establishment of the Director (Local Fund Audit, Haryana).
- (b) The University shall pay to Government an audit fee as determined by the Director, Local Audit, Haryana in accordance with the orders of the Government.
- (c) No cheque shall be issued from the University Account unless **the Audit has recorded pre-audit encacements on the relevant vouchers showing the amounts admitted for payment.**
- (d) The Director or Joint Director, Local Audit, Haryana shall issue such utilization certificates in respect of grants in-aid received from State Government and other funding agencies as may be required.
- (e) The University shall deal with the Audit Notes, if any, received from the Director, Local Audit, Haryana **expeditiously** and have the objections removed without avoidable delay and Local Audit shall also **drop** the objections **as expeditiously**.
- (f) The University shall **promptly** deal with the Audit Notes, if any, received from the Accountant General, Haryana, and have the paras removed without avoidable delay.

#### 2 **Modification in Present Pre-Audit Scheme**

The Pre-Audit Scheme given hereunder, notified by Government of Haryana vide Memo No. 14/116/09-3FA date 18.8.2009, shall be followed.

- (a) The University accounts shall be subjected to Pre-audit as per the following expenditure limits:

Sr. No.	Description of expenditure	Exemption from Pre-audit upto (Rs.)
1.	All recurring contingent expenses including stationery and consumables	40,000
2.	Expenses by teachers against Research Projects of various funding agencies.	50,000
3.	All non-recurring expenses including equipments, maintenance and repairs of building, minor construction works, etc.	1,00,000
4.	Expenses relating to conduct of examination including TA/DA	1,20,000

- (b) In addition to the above, in the case of “salaries to staff and other fixed charges like dearness allowances/travelling allowance, etc., following procedure will be adopted:



- |     |   |   |
|-----|---|---|
| i   | Salaries and other allowances                                       | Payment of salary of staff can be made without pre-audit except in the case of new appointments, which will be done after getting the same pre-audited. Similarly at the time of annual increment or enhancement occasioned in salary of an incumbent due to DA hike, the same will also be got checked from <b>audit</b> . However, whenever there is a clarification on pay revision/ACP/ pay fixation, these cases <b>shall</b> be verified by L.A.D. by way of pre-audit. |
| ii  | Government levies Electricity, Telephone and medical reimbursement. | Full exemption from pre-audit on actual amount of bill received.  |
| iii | Refund against deposits   | Full exemption from pre-audit   |
- (c) The modified scheme as stated above, will be introduced initially in all Universities and the Board of School Education, Bhiwani.
- (d) The results of this liberalized system of pre-audit will be reviewed after one year.
- (e) Accounts including income and reconciliation of four months in a year i.e. one month in each quarter of each year shall be subjected to detailed check. Selected months shall be conveyed by the Directorate through month selection memo.
- (f) The daily income and receipts of the universities and Board of School Education, Bhiwani will be checked by their Chief Accounts Officers and will be post-audited by the Audit staff.
- (g) From 1.4.2010, the modified system of pre-audit will be implemented in all the universities and Board of School Education, Bhiwani with following changes in the instructions issued by Finance Department vide memo non 14/116/2009-3FA dated 18.8.2009.
- (i) The bills of constructions/Engineering Branch will be subject to hundred percent pre-audit.
- (ii) All bills pertaining to medical reimbursement will be pre-audited.
- (iii) The post-audit of expenditure made out of grants will be done on priority basis for timely issue of utilization certificate.
- (h) Audit organization will ensure that there is no splitting of bills and vouchers pertaining to the same expenditure with an aim to make use of the liberalized monetary limits of the modified Pre-Audit Scheme.

**STATEMENT OF PROJECTED INCOME AND EXPENDITURE  
FOR THE YEAR 2011-12**

<b>A.</b>	<b>NON-PLAN</b>	(Rs. in lac)
	<b>Income</b>	
	1. Grant-in-aid from the State Govt.	2400.00
	2. Internal Receipts:-	
	(i) Directorate of Distance Education	6000.00
	(ii) Other internal receipts	10436.95
	<b>Total</b>	<b>18836.95</b>
	<b>Expenditure</b>	
	1. Salary including PF	9069.75
	2. a) Provision of DA etc.	200.00
	b) Revision of pay scales (arrears):	
	i) Non-Teaching staff	
	ii) Teaching staff	
	3. Payment of arrears of salary/leave encashment	200.00
	<b>(Total of 1, 2 (a), 2(b) and 3)</b>	<b>9469.75</b>
	4. Statutory contribution (LTC, Gratuity, Ex-gratia, Medical Reimbursement, Leave Salary & Pension contribution and Corpus Fund	3902.00
	5. TA (including payment of TA to examiners etc.)	135.00
	6. Conduct of Examinations including Remuneration to Examiners	2519.50
	7. Directorate of Distance Education	4347.30
	8. Others (including Contingencies, Library Books, Equipments, Postage, Telephones & Electricity, Computerization (IT), etc.)	6289.65
	<b>Total</b>	<b>26663.20</b>
	Surplus(+) or Deficit (-)	(-)7826.25
<b>B.</b>	<b>PLAN</b>	
	<b>Income</b>	
	1. Grant-in-aid from the State Govt.	1700.00
	2. Development Research & Academic Activities	5894.26
	<b>Total</b>	<b>7594.26</b>
	<b>Expenditure</b>	
	1. Construction Works	
	i) At University Campus	
	a) Continued Works	10080.65
	b) New Works	435.00
	2. Landscaping & Horticulture	225.00
	3. Purchase of equipments & Laboratories etc. for various Science Departments	-
	4. Development Research & Academic Activities	1338.45
	<b>Total</b>	<b>12079.10</b>

	Surplus(+) or Deficit (-)	(-)4484.84
5.	Directorate of Distance Education	-
<b>C.</b>	<b>SELF FIANCING SCHEME</b>	
	<b>Income</b>	
1.	Self Financing Scheme:	1134.13
	Total	1134.13
	<b>Expenditure</b>	
1.	Self Financing Schemes	1134.13
	Total	1134.13
	Surplus(+) or Deficit (-) (+)	(-)0000.00
<b>D.</b>	<b>UGC/CSIR/ICSSR &amp; OTHER FUNDING AGENCIES ETC.</b>	
	<b>Income</b>	
1.	UGC	1585.00
2.	CSIR/ICSSR & Other funding agencies etc.	420.00
3.	Scholarships, Stipend and prizes etc.	101.00
	<b>Total</b>	<b>2106.00</b>
	<b>Expenditure</b>	
1.	UGC	1535.00
2.	CSIR/ICSSR & Other funding agencies etc..	350.00
3.	Scholarships, Stipend and Prizes etc.	91.00
	<b>Total</b>	<b>1976.00</b>
	Surplus (+) or Deficit (-)	(+)130.00
	<b>GRAND TOTAL (A+B+C+D)</b>	
	<b>RECEIPTS</b>	29671.34
	<b>EXPENDITURE</b>	41852.43
	Surplus(+) or Deficit (-)	(-) 12181.09
	Overall (+) or (-)	(-) 6369.36

**INDIRA GANDHI P.G. REGIONAL CENTRE, MIRPUR (REWARI)**

**INCOME**

State Govt. Grant

Non Plan

-

Plan

700

Internal Receipt

84.53

**Total Income**

**784.53**

**EXPENDITURE**

Recurring

723.42

Non-Recurring

2405.00

**Total Expenditure**

**3128.42\***

Deficit/Surplus

(-)2343.89

Opening Balance of Plan Grant

(+) 13.23

**Overall Surplus (+)/Deficit(-)**

**(-)2330.66**

\* Expenditure will be restricted to the extent of funds actually made available by the State Govt.

## **CRITERION VII**

### **INNOVATIONS AND BEST PRACTICES**



**Kranti Chowk**

## 7.1 ENVIRONMENT CONSCIOUSNESS

### 7.1.1 Does the university conduct a Green Audit of its campus?

A “Green Audit Committee” is functional to address the related issues like Eco-friendly Campus, Carbon Neutrality, Waste Management, Energy Conservation, etc. Senior faculty in the departments of Environmental Science, Public Health, Geography, Botany, and Management are members of this Committee.

The concept of green building has also been adopted in the design of various newly constructed buildings. Administrative Block and Examination Wing, being executed by NBCC, New Delhi are the two huge buildings which have been designed specifically on prescribed parameters of energy efficiency and environmentally benign technologies.

### 7.1.2 What are the initiatives taken by the university to make the campus eco-friendly?

The University has taken several initiatives for making the campus eco-friendly.

- \* **Energy conservation:** Conscious of the environmental impact of energy, following measures have been taken to ensure energy conservation:
  - All the existing tube fittings (1X40 W, 2X40 W and 1X20 W box type) in various buildings and hostels have been replaced with 1X28 W TL-5, 2X10 W TL-5 and 1X14 W TL-5 energy efficient tube fittings.
  - The use of air-conditioners and energy-gulping appliances has been restricted to the bare minimum, and star-labeled equipments are purchased to conserve energy.
  - Buildings in the campus have been constructed to ensure adequate natural light in the rooms throughout the day to minimize energy consumption.
  - Strict compliance to switch off the electrical appliances, when not in use, in all offices is ensured.
  - Bare minimum road lights are switched on during the night.
  - The watchman/security-guards switch-off the lights earlier in the morning.
- \* **Use of renewable energy:** Solar water heating systems have been installed in a number of hostels, and feasibility for its installation in others is under consideration.
- \* **Water harvesting:** Master plan for rain water harvesting on the campus has been drawn. However, the network of covered drains to collect rain water has already been laid.
- \* **Check dam construction:** The campus liquid waste is disposed off in the forest land of the University, where link channels are provided, with the check dams at suitable intervals, so that heavy particles / garbage settles down, and water from the sewer falls ultimately in Rohtak drain.
- \* **Efforts for carbon neutrality:** The following steps have been taken.
  - Thousands of plants of various species and varieties have been planted in the campus during the last five years.

- In addition, approximately 44,000 Eucalyptus trees had been planted by the Forest Department of Haryana Govt. on 10 acres of University land, which have now grown fully.
  - Over 112 varieties of various kinds of herbs have been planted in Herbal Garden over an area of approximately 1.75 acres.
  - Approximately 18,500 decorative/ornamental plants, bushes, shrubs, etc. have been planted in the surroundings of office buildings, residences, Rose Garden, Library, Faculty House, Hostels, etc.
  - Hedge (8,500 metres long and 1.5–3.0 foot wide) of Golden duranta, Inrami, Lal Grass, and Bougainvilla, etc. has been planted in the University campus.
  - Survival rate of the plants in the University campus is more than 90%.
  - Use of fossil fuels in the laboratories and hostels has been replaced, wherever possible, with electricity and LPG.
  - The campus has been declared as a “No Smoking Zone”.
  - Burning of litter and other waste material has been banned; it is rather used for compost making.
  - Recycling of used paper is promoted; and the process of recycling of waste paper is being planned in the University Press.
- \* **Plantation:** Massive area has been earmarked in the Master Plan as “Forest Area” and “Dense Tree Area” in the campus. A very large number of plants have been planted, and tree guards provided. Parks have been created in the vicinity of all departmental buildings, library, hostels, auditoria, administrative and other blocks, residential area, etc.
  - \* **Hazardous waste management:** The University has a Hazardous Waste Management Committee as per UGC guidelines. The Department of Physics has got some  $\beta$ -ray source used in the “counters”, which are of very low intensity and are well-shielded. The Department has proper certification for it. The other waste material coming from different laboratories are disposed-off as per norms and guidelines. Different Committees like Institutional Bio-Safety Committee constituted by DBT is well in place. Similarly, Institutional Human Ethical and Animal Ethical Committees, constituted as per ICMR and CPCEA guidelines, are functioning regularly.
  - \* **E-waste management:** The University has E-waste management policy and a committee to monitor it. The collection, storage, transportation, segregation, refurbishment, dismantling, recycling, and disposal of e-waste is done in accordance with the guidelines of Central Pollution Control Board.
  - \* **Any other (please specify)**
    - Construction of Sewage Treatment Plant in the campus has been approved, and contract awarded to NBCC, New Delhi in Feb. 2012.
    - “Litter free campus” manifesto has been adopted and implemented.
    - Environmental awareness campaigns are run by the Department of Environmental Science, and Dean Students Welfare.
    - A proposal for installation of solar energy system in the Library has been submitted to UGC for financial assistance.

- \* **Environmental consciousness:** Programmes for environmental protection and sensitization among students and members of the faculty are organized in the form of seminars / conferences / workshops / extension lectures, etc. Important days concerned with the environment - World Wet Day, World Forestry Day, World Water Day, World Earth Day, World Environment Day, World Ozone Protection Day, World Wild Life Week, etc. - are celebrated.

## 7.2 INNOVATIONS

### 7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the university.

#### 1. Flexible approach for teaching through Distance Mode:

The Directorate of Distance Education (DDE) of the University has adopted “flexible approach” based innovative practices for the benefit of the following categories of aspiring learners:

- Those who could not join the regular stream of this or any other University.
- Those who had to exit the (distance mode) programme “in-between” due to any reasons.
- Those who had to discontinue the regular mode of education in the University due to any reasons, and still wish to pursue their studies.

The “flexible approach” based innovative practices offer the following facilities:

**Flexi-examination system:** Under this system, a student can decide his own examination schedule, timings and place of examination. Students also have the option to take all the examinations in a single day.

**Freedom of exit:** Under this scheme, students can exit from the programme / course at any time they wish. In that case, they will be awarded certificate / diploma / degree / post-graduate diploma or degree, depending upon his stage of exit.

**Freedom of entry:** Under this scheme, students can take admission at any stage of his education. For instance, if a student has passed his 1<sup>st</sup> year 10 years ago, he can join back now for the 2<sup>nd</sup> year of the programme.

**Multiple degree programmes:** Under this scheme, a student can join multiple courses at the same time.

**Eligibility determination at the completion of the course:** The “compartments” students can pursue their degrees from DDE, as is determined the eligibility of the students at the time of exit, and not at the time of entry, as is traditionally done.

**7.2.2 e-Governance:** The University has embarked, in Oct. 2010, upon computerization of its functions comprising admissions, all examination-related tasks, financial matters (budgetary control, salaries, preparation of balance sheet, fee collection, etc.), administrative working in different branches, store inventory and control, RFID implementation in library, hostels affairs, and all other functions. The admissions, examinations, financial, and

administrative modules have already been implemented, while the remaining modules are in final stage of implementation. A Call Centre with more than 10 hunting lines and an Information Desk with two persons in position have been established to address the day-to-day problems of the students and other stakeholders. The Call Centre operates from 9.00 a.m. to 9.00 p.m. and Information Desk from 8.30 p.m. to 5.00 p.m. across the year except a few holidays. Both these facilities have been working since 2009 for distance mode courses and since October 2010 for regular courses. It is a landmark achievement of the university.

**7.2.3 Participation in National Knowledge Network:** The University has joined the National Knowledge Network, launched by the Ministry of Human Resource Management, Govt. of India in September 2010.

**7.2.4 Campus Network:** The University has a very robust campus-wide network wrapped around the state-of-the-art OFC and Wi-Fi technologies with over 3500 network points in departments and offices, 1Gbps connectivity for Internet surfing through BSNL, and a PRI line from Reliance Communications. All the departments and hostels housing research scholars are connected to the campus network. The connectivity to other hostels will be provided by the end of November 2012.

**7.2.5 University's new Website:** The University has designed and developed its new website, having new features, with a new URL <[www.mdurohtak.ac.in](http://www.mdurohtak.ac.in)>.

**7.2.6 e-Information:** All useful information, including examination schedules, syllabi, results, date sheet, etc. required by the students, is available on the University website. All tenders, notices and advertisements are also posted on this website.

**7.2.7 e-Records:** The agenda and minutes of the meetings of Academic Council, Executive Council, and Finance Committee, and also service books of employees have been digitized and posted on the University website. Besides, all the four volumes of University Calendar comprising Act and Statutes, Ordinances, Accounts Code, etc. can be accessed through the university website.

**7.2.8 Cyber Cafés in Students Activity Centre and Girls Hostels:** Two Cyber Cafes – one in Students Activity Centre and the other in Girls' Hostels – have been established for Internet surfing.

**7.2.9 'Online Campus' for Students Enrolled for Distance Education Courses:** The DDE has launched an 'online campus' facility to provide end-to-end solutions to the students enrolled with the University for distance education courses. This University is the first in the country to provide this facility. Besides addressing students' day-to-day problems, they are provided self-learning material online, in print form, and copy on CD.

**7.2.10 Single Information Brochure:** Until two years back, the university used to print 15 admission/information brochures for different courses, running into about 750 pages. With effect from the academic session 2011-12, all these admission/information brochures were merged into a single document running into just 110 pages. This concise information brochure added to the



convenience of the students, and resulted in substantial cost reduction. The information brochure has also been posted on the university website.

**7.2.11 Computerization of the library:** All the library operations and services such as catalogue and cataloguing, purchase of books, subscription of journals, check-out check-in, barcoding of books, access to e-resources, etc. have been computerized. The books can be easily tracked, borrowed and reserved by library patron through the automated system.

**7.2.12 RFID Implementation:** RFID implementation in the library is half-way through. Its completion will enhance library security and maintenance of shelf order, and will introduce self check-out check-in system too.

**7.2.13 University Accounts Code:** The University has its own Accounts Code in position duly approved by the Executive Council in its meeting held on 09.06.2011. It is a 500-odd pages document with detailed rules and a large number of standardized forms for various purposes. It is a unique achievement which only a few universities can claim.

**7.2.14 Videoconferencing facility:** This facility has been created in the library for remote lecture delivery, discussions on subjects of common interest, interviews, etc.

**7.2.15 Access to e-Resources:** Access to 6049 e-journals including 200 open access journals, and five databases are provided to the students and teachers on their PCs/laptops across the campus.

**7.2.16 24-hours Reading Facility:** An air-conditioned Reading Hall with 250 seats keeps open round the clock throughout the year. Very few universities provide this facility.

**7.2.17 Internet Lab:** Besides the computer labs in UIET, IHTM, IMSAR, Department of Computer Science and Applications, Department of Mathematics, etc., an internet lab with 80 PCs has been set up in the Library for the benefit of students and teachers.

**7.2.18 Samarth Scheme:** The Dean, Students' Welfare has set up a Corpus Fund, named **Samarth**, with donation of Rs. 2.00 lac by an NGO "**Haryana Sanskritik Sangthan**" and Rs. 4.00 lac by University for the welfare of differently-abled students. Under this scheme, the University provides a stipend of Rs. 3,100/- to each differently-abled student. Along with this, motivational literature and some other utility items are also disbursed among these students.

**7.2.19 Earn While Learn Scheme:** The Dean, Students' Welfare operates "Earn While You Learn" scheme under which a student gets remuneration of Rs. 100/- for each hour of engagement with a maximum of Rs. 2,200/- per month. The objective of this scheme is to utilize the skills of the students, provide them financial assistance, and induce in them the sense of dignity for labour. Every year, enough count of students avail of this benefit by taking part in the organization of various functions / seminars, and office work too.

**7.2.20 Dr. Radhakrishnan Foundation Fund:** Under this scheme, financial help is provided to the needy UG and PG students on need-cum-merit basis. In addition, the topper students of university teaching departments are awarded

with a cash prize of Rs. 5,100/-. Marker boards, water coolers with aqua guards, notice boards, etc. are also provided to the departments.

**7.2.21 Youth Centre for Skill Development for All Services:** Youth Centre for Skill Development, under the aegis of Dean, Students' Welfare, has produced very good results during the academic sessions 2009-10, 2010-11 and 2011-12. This Centre has been able to help over 51 boys and girls to join Defence Services as officers. During the academic session 2011-12 alone, 18 boys and girls of the University and affiliated colleges/institutes were benefited by the guidance rendered by the Centre. There is now a popular demand from the students that the Centre should arrange regular classes throughout the year. Consequently, it has been decided to conduct 8 batches in an academic session, while ensuring that the schedule of the Centre does not clash with the examination schedule. The contents of the programme have been designed to meet the requirements of the students for appearing in examinations/facing interviews for Civil Services, Defence Services, Para-Military Forces, SSB Interviews, etc.

**7.2.22 Camps, Courses and Adventurous Activities:** A hoard of camps, courses and adventurous activities are organized by the Dean, Students' Welfare throughout the year. Some of the notable activities include River Rafting (Pirdi, Kullu), adventure camps consisting of Rappelling, River Crossing, Parasailing, Ladder Climbing, Rock Climbing, etc. at Kalsi / Hathyari (Mussoorie), Basic Snow Skiing at Narkanda (Himachal Pradesh), Nature Fauna & Flora Study Camp at Dhanachuli (Nainital), Youth Leadership Training Camp for Professional Institutes at Dhanachuli (Nainital), Trekking Expedition at Dhanachuli (Nainital), and Personality Development Programme (Know thyself and Enhance) at Dhanachuli (Nainital).

**7.2.23 Ch. Ranbir Singh Institute of Social and Economic Change:** The University has established **Ch. Ranbir Singh Institute of Social and Economic Change** as its constituent organ at its local campus in 2012. It is visualized as an independent centre for advanced research on the socio-economic issues specific to the State of Haryana, and also those confronting the country as a whole. In the process of undertaking its defined research activities, it shall aim at providing useful inputs for policy formulations and their execution, besides acting as a nucleus of training programmes for Government, Non-Government, NGO officials and other manpower.

**7.2.24 DST-INSPIRE Internship Programme – 2012:** The Centre for Biotechnology, organized a five-day “Inspire Science Camp” in April 2012, sponsored by the Department of Science and Technology, Govt. of India, New Delhi. Over 300 science students of 11<sup>th</sup> and 12<sup>th</sup> classes, selected from all over Haryana on the basis of their performance in the matriculation examination, participated in the programme. These students were exposed to a number of eminent scientists of India, including those from Kumaun University, Nainital, DBCR University of Science & Technology, Sonapat, NCERT, Delhi, ICAR, New Delhi, Planning Commission, New Delhi, CCSHAU, Hisar, PGIMS, Rohtak, ZSI, Kolkata, Gurukul Kangri University, Haridwar, J.N.U., Delhi, CLDU Sirsa, KU Kurukshetra, CEERI, Pilani, NISCAIR, Delhi, TIFR, Mumbai, etc. This camp was aimed at reversing the

declining interest in sciences by exposing the young minds to the burning scientific problems and challenges.

**7.2.25 Science Conclave – 2011:** A 2-day “Science Conclave” was jointly organized by the Maharishi Dayanand University, Rohtak, and the Department of Science and Technology, Government of Haryana on Dec. 2-3, 2011 by inviting about 2000 students from Secondary and Senior Secondary Schools located in rural and urban areas in Rohtak district, besides many teachers and educational administrators from the Department of School Education, Haryana. The “Science Conclave” was aimed to provide a platform to the innovative young minds to interact with eminent scientists, to expose them to the intriguing world of science by way of live demonstrations, and to inspire and motivate bright students to take up studies and professional research careers in basic sciences. Eminent speakers/participants were invited from such organizations as National Geophysical Research Institute Hyderabad, NCERT New Delhi, IISER Mohali, UPRTOU Allahabad, and neighbouring universities.

**7.2.26 Citizen Charter:** Citizen Charter has been drawn and displayed at prominent places on the campus for the convenience of the students and other stakeholders. A copy of the Charter has been posted on the university website.

**7.2.27 Grievance Boxes:** Grievance boxes have been installed at strategic points on the campus to know and keep track of the grievances of students, parents, and the public, as also to know their views and to receive suggestions.

**7.2.28 Capacity Building:** University-Industry interface has improved through frequent organization of seminars, conferences, corporate interactions, and guest lectures. This has resulted in increased exposure to new knowledge and skills in the emerging areas specific to different courses of study. Corporate interactions have enhanced dynamic thinking and idea generation.

- Faculty makes use of electronic gadgets and other IT tools in classroom delivery more frequently than before, thus replacing the traditional mode of teaching to the advantage of improved learning. There is now more dependence on presentations, interactive sessions, quizzes, mid-term tests, training modules, and other extra-mural activities in the classroom teaching environment, which together have greatly improved quality and overall learning environment.
- In order to improve quality of research at doctoral level, entrance test and compulsory pre-registration course work in research methodology and computing skills have been made mandatory for registration to a Ph.D. programme. A Ph.D. scholar is required to publish at least one research paper in a refereed journal before submission of his/her Ph.D. thesis.
- Association of experts from industry and other specialized institutions with the Boards of Studies / Departmental Research Committees / Faculties / Academic Council has helped improve the social relevance of courses of study.
- Each faculty member is required to fill up a Self Appraisal Form which reports the overall research work and other academic work done during a given academic session. The Self-Appraisal Report is taken into account at

the time of consideration of a teacher for promotion under the Career Advancement Scheme.

- Overall strengthening of infrastructure, raising of new teaching blocks to provide required space for expansion, purchase of needed equipments for laboratories, recruitment of new faculty, etc. have started showing results in terms of larger output and better quality research publications, more research projects awarded, and better placements of students.
- The greater element of autonomy given to the departments in their working has resulted in timely evaluation and declaration of examination results and improved students' satisfaction.
- The University Alumni Cell and Career Guidance and Placement Cell (CGPC) have been activated. This has facilitated better participation of the various stakeholders in the academic processes of the University, resulting in improved response and effective delivery of services.
- Students' feedback mechanism monitored by IQAC has:
  - (i) helped analyze the Strengths / Weaknesses / Opportunities / Challenges (SWOC) of efforts made to improve quality of teaching and delivery modes;
  - (ii) improved students' participation in the evaluation of quality initiatives adopted by the faculty; and
  - (iii) provided useful inputs to the faculty to improve their class performance with respect to content and delivery.

**7.2.29 Research Chairs:** The university has established Research Chairs in the names of Sir Chhotu Ram, Dr. B.R. Ambedkar, Jawaharlal Nehru, Maharshi Dayanand, Maharishi Balmiki, Pt. Lakhmi Chand, Sant Kabir, and Ch. Ranbir Singh to carry out research on the lives and contributions of these social reformers and illustrious personalities of their times in their respective work spheres.

**7.2.30 Inter-disciplinary research:** The stronger and deeper interdisciplinary character of research and teaching is emphasized in various disciplines, particularly management, commerce, biosciences, engineering, and computer sciences, with a view to improve quality of contribution to knowledge.

**7.2.31 Yajñashala activities:** A centrally-located building, known as Yajñashala, is a focal point attracting the students for character building and desired value orientation. Havan Puja is performed here at least twice in a week in the evening in which students in large number participate, and are encouraged to attend serious lectures delivered by the faculty on religious issues and matters of larger social concern. The emphasis of such lectures is on character building, fostering desired social values, and propagating ideals of human brotherhood.

**7.2.32 Campus tranquility:** The students, non-teaching staff, and the faculty members have responded positively in maintaining highly peaceful and congenial academic environment on the campus. The teachers discharge their teaching assignments with devotion, and sincerely participate in decision-making process, while attending meetings of various academic bodies of the university.

**7.2.33 Timely declaration of results:** The University takes pride in the fact that it declares the results well in time to enable the students to apply for jobs and seek admission to courses elsewhere. A pre-decided schedule is invariably observed for declaring university results.

**7.2.34 Language Lab:** The Language Laboratory, established in the Department of English and Foreign Languages, will be used for developing effective communication skills of students. The students will be offered open invitation to join two-days-a-week formal programme to be designed for the purpose. Another is in the offing in the University Institute of Engineering and Technology.

### **7.3 BEST PRACTICES**

#### **7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the university.**

##### **FIRST BEST PRACTICE:**

**Title:** ICT applications to academic and administrative functions

**Objectives:** ICT is used to achieve the following objectives.

- (i) To augment learning resources for advancement of learning, teaching, and research.
- (ii) To enhance effectiveness of knowledge delivery system in classroom.
- (iii) To enhance administrative efficiency and transparency
- (iv) To address the problems of remotely located students and other stakeholders

**Context:** ICT is such a powerful and potential tool that it has left nothing in the world unaffected, and is therefore, mother of third revolution, after agricultural and industrial revolutions. Use of ICT has enhanced access to knowledge resources exponentially, which otherwise was very limited earlier; has made pedagogy and knowledge delivery very effective and sharpened research techniques; and has tremendously enhanced administrative efficiency and transparency.

**Practice:** The University considers ICT infrastructure as an important component, and is committed to ensure its equitable access to students, teachers and non-teaching staff for learning, teaching, research, and administrative activities. Towards this end, the university has been augmenting its ICT infrastructure to match its growing academic and administrative needs. The university is continuously extending and upgrading its ICT infrastructure with the replacement of obsolete and addition of latest hardware and software based on the needs of the newly introduced programmes and courses. The use of ICT is evident from the following activities:

- i) **Campus Network:** A robust Campus Wide Network has been established with 3500 internet points all over the campus including classrooms equipped with PCs, LCDs, projection screens, e-podiums and other electronic gadgetry for lecture delivery through PowerPoint presentations, teachers' rooms having facilities for internet surfing and preparation of lectures, administrative units equipped with facilities for discharging administrative, financial and examination-related functions and internet

labs in Library and departments/institutes for Internet surfing by the students, hostels for the benefit of students. Besides, IP-based telephone system for communication forms an integral part of the campus LAN.

- ii) **Augmentation of Learning Resources:** Use of ICT has augmented the quantum of learning resources manifold. For example, access is provided to the teachers and the students through internet labs as well as on PCs/desktops of the teachers in their rooms to 6049 full text e-journals and 5 databases subscribed through UGC and out of university's own funds. Besides, thousands of Open Access e-Resources have been linked to the Library Portal.
- iii) **E-governance:** E-governance system is in its last phase of implementation. It includes computerization of functions comprising admissions, all examination-related tasks, financial matters (budgetary control, salaries, preparation of balance sheet, fee collections, etc.), administrative work in different branches, stores inventory and control, hostels affairs, and all other functions big or small. It is a landmark achievement of the university.
- iv) **'Online Campus' for Students Enrolled for Distance Education Courses:** The Directorate of Distance Education has launched an 'online campus' facility to provide end-to-end solutions to the students enrolled with the university for distance education courses. This university is the first in the country to provide this facility. Besides addressing the day-to-day problems of the students, they shall be provided instructional material in three formats – online, print form, and copy on CD. This facility for the learners became reality only because of ICT power.
- v) **Call Centre:** A Call Centre with 15 hunting lines has been established to address day-to-day problems of the students and stake-holders. The students and other stakeholders need not come to Rohtak unless their physical presence is required. The Call Centre operates from 9.00 a.m. to 9.00 p.m. and Information Centre from 8.30 p.m. to 5.00 p.m. across the year except a few holidays.
- vi) **Videoconferencing Facility:** This facility for interaction among the teachers of different universities on subjects of common interest, remote interviews for placement, etc. owes its existence and use to ICT.

**Evidence of Success:** The impact of ICT is seen on classroom teaching in terms of effective knowledge delivery, submission and sanction of larger number of research projects by the teachers, successful online admission to all courses offered by university teaching departments during academic session 2012-13, timely declaration of results, drastic reduction in students' rush on campus because of Call Centre facility, and efficiency and transparency in discharging administrative functions. Use of ICT for making recruitments of 200 Clerks-cum-Data Entry Operators over a period of last 1 ½ years has been a great success. Interviews for placement, and interaction between a research scholar and her foreign contact regarding her visit were arranged through videoconferencing facility.

**Problems & Resources:** Lack of enthusiasm and the shortage of manpower skilled in the use of the ICT and financial resources were the major constraints. Lack of enthusiasm in teachers has been overcome by organizing

training programmes in ICT. There was a tremendous resistance from the non-teaching staff to the use of ICT. This, perhaps, was due to the lack of confidence in the staff whether they would be able to adapt to the new technologies. Confidence and capacity building measures were taken by the university in the form of organizing computer appreciation and advanced programmes from time to time. Further, the university has overcome the shortage of skilled manpower by recruiting 200 clerk-cum-Data Entry Operators who are ICT savvy. The university, over a period of time, has developed very good ICT infrastructure out of its own funds and financial assistance provided by UGC and other funding agencies.

## **SECOND BEST PRACTICE**

**Title:** Industry Integrated Approach in DDE mode

**Objectives:** To provide experience while studying to enhance the employability skills of the students.

**Context:** In the present system of education, a student has to acquire the academic degrees first, followed by the experience and employment. In the Industry Integrated Approach, the student will get both the academics and experience simultaneously, and will be competent for employment immediately. This will enhance the employability of the students many a times.

**Practice:** These programmes have been designed in consultation with the industry, with a coordinated approach for their implementation. The university has tie up with industry all over the country. The programmes have been structured in such a manner that the students visit the industry for four days in a week and study in the classrooms only on Saturdays and Sundays. The teachers involved in the programme also accompany the students to the industry to provide the latter on-the-job training.

**Evidence of Success:** The University is in a position to enroll more than 5000 students to these programmes. There is a heavy demand for these programmes amongst the students' community.

**Problems & Resources:** The major problem in this venture was to identify the appropriate and willing industry. Secondly, these industries are not located in one part of the country; rather they are spread all over the country. When this programme was implemented, the orthodoxy of the higher education regulatory bodies such as UGC became an impediment.

**Any other information regarding Innovations and Best Practices which the university would like to include.**

Besides those recounted under Sections 7.1 and 7.2 in foregoing pages, the following innovations and best practices also go to the credit of the University.

- Implementation of internal assessment both at UG and PG levels, admissions through entrance tests, entrance test for registration to doctoral programmes, effecting the desired examination reforms, and curricula restructuring/updating as frequently as necessary are some of the initiatives comprising the best practices. Award of internal assessment even for class attendance at UG and PG level has elicited more seriousness in studies and thus better learning environment.
- Several departments conduct surprise class tests, pre-announced and

scheduled tests, mock interviews, group discussions, critical essay writing, etc., as a means of students' performance evaluation.

- The Department of Pharmaceutical Sciences has implemented a new scheme, known as Tutor Guardian Scheme (TGS), to facilitate interaction among the teachers, students, and their parents. Induction programmes held in various other departments and organizing freshers' gathering in an informal setting have served as effective acclimatization exercise to make freshers comfortable with the new teaching-learning environment.
- Faculty's encouragement to participate in seminars, symposia, conferences and workshops held at national and international levels for which liberal financial assistance is provided.
- Organizing extension lectures by renowned academicians and industry leaders, seeking infrastructural aid ahead of time, fulfilling social responsibilities by organizing NSS, NCC, and blood donation camps, and hosting national and international events (such as Haryana State Games) are some of the other positive steps towards internalizing best practices.
- In the Department of Journalism and Mass Communication, the best practices include Live Shows with A.I.R., Rohtak for exposure to real broadcast journalism experience, Film Displays for film reviews, Field Reporting Assignments for real life journalistic experiences, and other desired field work as a part of regular teaching-learning experience. Commissioning of a Community Radio shortly on the campus will be a feather in the cap of this department. The establishment of a TV Studio is also going at a fast pace.
- Through its highly developed infrastructure, the Institute of Hotel Management and Tourism has created a niche for constant exposure of its students to real life work experience. Frequent talks by specialists in the hotel industry are unique to the Institute. It is because of the various healthy practices adopted by the Institute that its Hotel Management courses are rated very high in the industry, with the result that the placement avenues are stupendous.
- Wall magazine started by the Centre for Biotechnology displays the latest developments in the field. It is managed by the students under the supervision of teachers.
- The Youth Welfare Department offers a variety of activities for participation by the students. All such activities help the students learn the virtues of team work and fellow feelings. It organizes yoga classes for those who wish to pursue yoga as a hobby, all free of cost.
- A Film Society has been formed by the Youth Welfare Directorate, which screens two films each month, in the grand University Auditorium. This is aimed at bringing recreation at the doorsteps of the students. Preference is given to screening films which offer some useful social message or those focusing on national integration, religious harmony, and developing love for patriotism.
- Health assessment camps are organized by Psychology Department for students and employees.
- The University has established Anti-Corruption Cell to check academic and financial irregularities.





(Shall be made available to the Peer Team during the 'On-site visit')

## VOCATIONAL/ADD-ON COURSES

S. No.	Name of the College	Name of Courses
1.	Adarsh Mahila Mahavidyalya, Bhiwani	1. Advertising & Sales Management 2. Tourism and Travel Management 3. Computer Applications 4. Data Care Management 5. Early Child Care and Education
2.	J.V.M.G.R.R.College, Charkhi Dadri	1. Tourism and Travel Management 2. Computer Applications
3.	Apeejay Saraswati Colllege for Girls, Charkhi Dadri	1. Computer Applications (Vocational)
4.	Vaish College, Bhiwani	1. Computer Applications (Vocational) 2. Advertising and Sales Management
5.	B. L. Jindal Suiwala College, Tosham	1. Computer Applications 2. Advertising, Sales Promotion & Sales Management 3. Web Designing and Office Automation 4. B.T.M.
6.	Aggarwal College, Ballabgarh	1. Computer Applications (Vocational)
7.	Pt.J.L.N.G.C, Faridabad	1. Computer Applications (Vocational) 2. Tax Procedure and Practice (Vocational) 3. Data Care Management (COP) 4. Guidance and Counselling (COP)
8.	K.L. Mehta D.N. College for Women, Faridabad.	1. Fashion Designing 2. Early Child Care and Education 3. Computer Applications 4. Accounting and Computers
9.	G.G.D.S.D.College, Palwal	1. Tourism and Travel Management (Vocational) 2. Computer Applications (Vocational)
10.	Saraswati Mahila Mahavidyalaya, Palwal	1. Computer Applications (Vocational) 2. Information Technology 3. Advertising, Sales Promotion & Sales Management.
11.	DAV Centenary College, Jind.	1. Computer Applications (Vocational) 2. Tax. Procedure and Practice 3. Advertising, Sales Promotion & Sales Management 4. Industrial Chemistry 5. Tourism and Travel Management (Vocational)
12.	D.Govt. College, Gurgaon.	1. Functional English 2. Functional Hindi 3. Bachelor of Tourism & Travel Management

<b>S. No.</b>	<b>Name of the College</b>	<b>Name of Courses</b>
13.	N.B.G.S.M. College, Sohna	1. Computer Applications (Vocational) 2. Advertising, Sales Promotion & Sales Management 3. Tourism and Travel Management
14.	Maharaja Aggarsen College for Women, Jhajjar	1. Computer Applications (Vocational) 2. Fashion Designing
15.	S.J.K. College, Kalanaur	1. Functional English 2. Data Care Management 3. Guidance and Counselling
16.	M.K.J.K. Mahavidyalaya, Rohtak	1. Translation and English Speaking 2. Apparel and Dress Designing 3. Early Child Care and Education 4. Arts and Craft
17.	G.B. Degree College, Rohtak	1. Computer Applications (Vocational)
18.	A.I.J.H.M. College, Rohtak	1. Computer Applications 2. Electronic Equipments Maintenance 3. Computer Maintenance 4. Web Designing & Office Automation
19.	Vaish College, Rohtak	1. Computer Applications (Vocational) 2. Functional English 3. Functional Hindi 4. Human Rights 5. Advertising and Sales Management
20.	Vaish Mahila Mahavidyalaya, Rohtak.	1. Spoken English 2. Music and Dance 3. Food Processing 4. Fashion Designing
21.	K.L.P. College, Rewari.	1. Maintenance of Electronic Equipments 2. Computer Maintenance 3. Web Designing and Office Automation
22.	Ahir College, Rewari	1. Tax Procedure and Practice
23.	Govt. College, Nahar	1. Functional English
24.	C.R.A. Coll., Sonapat	1. Industrial Chemistry (Vocational)
25.	Govt. College, Gohana	1. Computer Applications (Vocational)
26.	Hindu College, Sonapat	1. Computer Applications (Vocational) 2. Computer Hardware and Maintenance 3. Flouriculture 4. Analytical Techniques

<b>S. No.</b>	<b>Name of the College</b>	<b>Name of Courses</b>
27.	Hindu College for Girls, Sonapat	1. Computer Applications (Vocational) 2. Functional English 3. French Language 4. Nutrition and Health Education 5. Information Technology
28.	T.R.Girls College, Sonapat	1. Early Child Care and Education 2. Advertising, Sales Promotion & Sales Management 3. Functional English / Communicative English <b>Evening Courses:</b> 1. Certificate Course in Computer Applications 2. Internet and Web Designing 3. Spoken English
29.	G.V.M.Girls College, Sonapat	1. Computer Applications (Vocational) 2. Data Care Management 3. Interior Designs 4. Cosmetology and Beauty Care 5. Office Management and Secretarial Practice
30.	Govt. Girls College, Gurgaon	1. Communicative English 2. Fashion Designing 3. Medical Laboratory
31.	Vaish Arya Kanya Mahavidyalaya, Bahadurgarh	1. O.M.S.P. (Vocational) 2. Information Technology 3. E-Commerce 4. Cosmetology and Beauty Care.
32.	Sh. L.N. Hindu College, Rohtak	1. Computer Applications (Vocational) 2. Fashion Designing
33.	Govt. College, Narnaul	1. Functional English
34.	Y.M.D. College, Nuh, Gurgaon	1. Functional English



**Annexure-1.4**

(Shall be made available to the Peer Team during the 'On-site visit')

**COURSES OFFERED THROUGH DISTANCE LEARNING MODE****(a) UNDERGRADUATE PROGRAMMES**

<b>Sr. No.</b>	<b>Programme Offered</b>	<b>Duration</b>	<b>Level of Degree</b>
1.	Bachelor of Arts (BA)	3-Year	U.G. Degree
2.	Bachelor of Commerce (B.Com)	3 Year	U.G. Degree
3.	Bachelor of Business Administration (BBA)	3-Year	U.G. Degree
4.	Bachelor of Computer Applications (BCA)	3-Year	U.G. Degree
5.	Bachelor of Hotel Management (BHM)	2-Year	U.G. Degree
6.	Bachelor of Tourism Management (BTM)	2-Year	U.G. Degree
7.	Bachelor of Science (Animation and Multimedia) and B.Sc.(Animation & M.M.)	3-Year	U.G. Degree
8.	Bachelor of Science (Interior Design) – B.Sc. (ID)	3-Year	U.G. Degree
9.	Bachelor of Arts (Performing Arts) – B.A. (PA)	3-Year	U.G. Degree
10.	Bachelor of Arts (Fine Arts) – B.A. (FA)	3-Year	U.G. Degree
11.	Bachelor of Arts in Yoga – B.A. (Yoga)	3-Year	U.G. Degree
12.	Bachelor of Journalism and Mass Communication (BJMC)	3-Year	U.G. Degree
13.	Bachelor of Library & Information Science (B.Lib.I.Sc.)	1-Year	U.G. Degree
14.	Bachelor of Education – B.Ed.	2-Year	U.G. Degree

**(b) POSTGRADUATE PROGRAMMES**

<b>Sr. No.</b>	<b>Programme Offered</b>	<b>Duration</b>	<b>Level of Degree</b>
15.	Master of Arts (Hindi, English, Sanskrit, Economics, Political Science, History, Public Administration)	2-Year	PG Degree
16.	Master of Commerce (M.Com.)	2-Year	PG Degree
17.	Master of Science (Mathematics)	2-Year	PG Degree
18.	Master of Arts (Geography)	2-Year	PG Degree
19.	Master of Business Administration (MBA)	2-Year	PG Degree
20.	Master of Business Administration (Executive)	18 Months	PG Degree

<b>Sr. No.</b>	<b>Programme Offered</b>	<b>Duration</b>	<b>Level of Degree</b>
21.	Master of Retail Management (MRM)	2-Year	PG Degree
22.	Master of Hotel Management (MHM)	2-Years	PG Degree
23.	Master of Tourism Management (MTM)	2-Years	PG Degree
24.	Master of Computer Applications (MCA)	3-Year	PG Degree
25.	Master of Library and Information Science (M.Lib.I.Sc.)	1-Year	PG Degree
26.	Master of Journalism and Mass Communication (MJMC)	2-Years	PG Degree
27.	Certificate Course in Corporate and Industrial Security Management (DCISM)	Six month	Certificate
28.	P.G. Diploma in Corporate and Industrial Security Management (PGDCISM)	1-Year	PG Diploma
29.	P.G. Diploma in Applications of Psychology	1-Year	PG Diploma
30.	Post-Graduate Diploma in Yoga (PGDY)	1-Year	PG Diploma
31.	P.G. Diploma in Public Relations and Media Management – PGDPR and MM	1-Year	PG Diploma
32.	P.G. Diploma in Public Relations and Advertising Management (PGDPR and AM)	1-Year	PG Diploma
33.	Bachelor of Business Administration (Financial Markets) *	3-Year	UG Degree
34.	Master of Business Administration (Financial Markets) *	2-Year	PG Degree

\* In collaboration with National Stock Exchange (NSE).

**Annexure-1.5****(Shall be made available to the Peer Team during the 'On-site visit')****INTERDISCIPLINARY COURSES**

<b>Sr. No.</b>	<b>Programme Offered</b>	<b>Duration</b>	<b>Level of Degree</b>
1.	M.Sc. (Mathematics with Computer Science)	2-Year	P.G. Degree
2.	M.Sc. (Environmental Science)	2-Year	P.G. Degree
3.	M.Sc. (Biotechnology)	2-Year	P.G. Degree
4.	M.Sc. (Medical Biotechnology)	2-Year	P.G. Degree
5.	M.Sc. (Food Technology)	2-Year	P.G. Degree
6.	M.Sc. (Biochemistry)	2-Year	P.G. Degree
7.	M.Com. (Hons.) 5-Year Integrated	5-Year	P.G. Degree
8.	Master in Retail Management	2-Year	P.G. Degree
9.	M.B.A. (Hons.)*	2-Year	P.G. Degree
10.	M.B.A. (5-Year Integrated)	5-Year	P.G. Degree
11.	M.Tech. (Software Engineering)*	2-Year	P.G. Degree
12.	B.Tech. (Electronics & Communication)	4-Year	U.G. Degree
13.	B.Tech. (Computer Science)	4-Year	U.G. Degree
14.	B.Tech. (Mechanical Engineering)	4-Year	U.G. Degree
15.	B.Tech. (Biotechnology)	4-Year	U.G. Degree
16.	M.Tech. (Electronics and Communication)*	2-Year	P.G. Degree
17.	M.Tech. (Computer Science)*	2-Year	P.G. Degree
18.	M.Tech. (Mechanical)*	2-Year	P.G. Degree
19.	M.Tech. (Biotechnology)*	2-Year	P.G. Degree
20.	M.B.A. (Business Economics)*	2-Year	P.G. Degree
21.	Master of Hotel Management	2-Year	P.G. Degree
22.	Master of Tourism Management*	2-Year	P.G. Degree
23.	Bachelor of Tourism Management*	3-Year	U.G. Degree
24.	BBA (Hospitality Management)	3-Year	U.G. Degree
25.	LL.B. (5-Year Integrated)	5-Year	U.G. Degree
26.	Diploma in Front Office Operations Mgt.	1-Year	U.G. Diploma
27.	M.Sc. (Bioinformatics)*	2-Year	PG Degree
28.	M.Sc. (Environmental Biotechnology)*	2-Year	PG Degree
29.	M.Sc. (Microbial Biotechnology)*	2-Year	PG Degree
30.	M.Sc. (Agricultural Biotechnology)*	2-Year	PG Degree
31.	M.Sc. (Forensic Science)*	2-Year	PG Degree
32.	M.Sc. (Electronic Media) (On launch)		
33.	M.Sc. (Clinical Biochemistry) (On launch)		

\* Courses started during the last three years



**Annexure-2.1****(Shall be made available to the Peer Team during the ‘On-site visit’)****LIST OF EMERITUS/ADJUNCT FACULTY/VISITING PROFESSORS**

<b>Name of the Department</b>	<b>Name of the Faculty</b>	<b>Emeritus/Adjunct/Visiting</b>
Genetics	1. Dr. Ravi Parkash 2. Dr. A.K Singh	Prof. Emeritus, CSIR Scheme Scholar-in Residence under UGC scheme
Inst. Hotel & Tourism	1. Dr. Sonia Sharma 2. Prof. Anand Kumar Singh 3. Prof. Deepak Raj Gupta 4. Prof. Manjula Chaudhary	Director, School of Tourism & Hospitality, IGNOU, New Delhi. Director, Institute of Hotel Management, Bhopal Director, School of Tourism & Hospitality, University of Jammu, Jammu. Director, Indian Institute of Travel & Tourism Management, Ministry of Tourism, Govt. of India.
<b>Industry:</b>	1. Diwas Wadhera 2. Manjit Gill 3. Sanjeev Jaiswal 4. Col. Sumant Bhatia 5. Dr. R.N Pandey	Chef, Eaton Hotels, Delhi Corporate Chef, ITC Welcome Group, Delhi Ex. Chef, Hyatt Regency, N. Delhi Managing Director, Colonels Travel Solutions, Noida Director, Ministry of Tourism, Govt. of India
Microbiology	1. Prof. Kamla Chaudhary	Prof. Emeritus
Political Science	1. Prof. Pratap Singh	Dept. of Political Science, M.D.U., Rohtak



**Annexure-2.2**

(Shall be made available to the Peer Team during the 'On-site visit')

**LIST OF TEACHERS WHO HAVE RECEIVED AWARDS / RECOGNITIONS FOR EXCELLENCE IN TEACHING AT THE STATE, NATIONAL AND INTERNATIONAL LEVEL**

<b>Name of the Department</b>	<b>Name of the Faculty</b>	<b>Name of Award</b>
1. Biochemistry	Prof. C.S. Pundir	Rashtriya Gaurav Award by IIFS, New Delhi (2009)
2. Food Technology	Dr. Baljeet Singh Yadav	Best oral paper presentation in the National Seminar, organized by Directorate of Research, CCS HAU, Hisar (2012)
3. Genetics	Dr. Santosh Kumar Tiwari	Indo-US Research Fellowship Innovative Young Academician/ Researcher by Academy of Innovative Science (2010)
	Dr. Ravi Parkash	Emeritus Scientist Award by CSIR (2010)
	Prof. J.P. Yadav	International Travel Grant from CSIR, New Delhi and CCSTDS, Chennai to attend SEGH 2010 at Ireland from 27 <sup>th</sup> June to 2 <sup>nd</sup> July 2010
	Dr. A.K. Singh	K.L. Mehra Memorial Award for best paper in the Journal of Asian Agri-History published by Asian Agriculture Foundation, Secunderabad (2011)
	Dr. Sapna Sharma	Adjudged best presenter at 6 <sup>th</sup> Orientation Programme held at BPS Mahila Vishvavidyalaya, Khanpur Kalan, Sonapat
4. Inst. of Hotel & Tourism	Dr. Neelkamal	Adjudged most punctual participant in 6th Orientation Programme, held at BPS Mahila Vishvavidyalaya, Khanpur Kalan, Sonapat
	Dr. Ashish Dahiya	Appreciation by Chancellor Uttarakhand Open University Haldwani for contribution to the Advancement & Support of School of Hotel & Tourism Management, UOU. (2009)

Name of the Department	Name of the Faculty	Name of Award
		Felicitated by Indian Hospitality Congress for contribution to the Advancement & Support of Hospitality & Tourism Education (2009)
	Dr. Sanjeev Kumar	'Award of Appreciation' by Institute of Hotel & Tourism Management - Pusa, Ministry of Tourism Govt. of India (2011)
5. Mathematics	Prof. Renu Chugh	Felicitated by Hindustan Times (2012)
		'Award of Appreciation' by Institute of Hotel & Tourism Management - Pusa, Ministry of Tourism Govt. of India (2011)
	Prof. N. R. Garg	<b>“Rashtriya Gaurav Award”</b> for Meritorious Services, Outstanding Performance and Remarkable role by <b>India International Friendship Society.</b>
	Dr Sumeet Gill	<b>“Rashtriya Gaurav Award”</b> for Meritorious Services, Outstanding Performance and Remarkable role by <b>India international Friendship Society.</b>
6. Music	Dr. Ravi Sharma	'Young Scientist Award 2012' for Computer Science by International Scientific and Engineering Serials (SIT@IP)
7. Psychology	Prof Sunita Malhotra	'Best Music Teacher Award' by Sangam Kala Group, New Delhi (2008)
	Prof. Promila Batra	6 <sup>th</sup> V.P. Sharma, Memorial Lecturer Award (2010)
	Prof. Amrita Yadav	Best Citizen Award (2008)
		Felicitated for contribution in the areas of Cognitive Psychology, Health Psychology & Counseling at National Seminar on Mental Health and Current Scenario, G.K University Haridwar (2009)

<b>Name of the Department</b>	<b>Name of the Faculty</b>	<b>Name of Award</b>
	Prof. Nov Rattan Sharma	“Prof. (Mrs) Manju Thakur Memorial Award” (2010).
8. Sanskrit	Prof Radhey Shyam Prof. B.S. Mehra	“Prof Anima Sen” Award (2008) Banabhatta Puruskar given for Excellence in Sanskrit Literature by Haryana Sanskrit Akadami
9. UIET	Dr. Yudhvir Singh	DST Young Scientist Award by International Academy of Physical Sciences, Allahabad (India) Best Paper Award in International Conference held at Cochin (2011)
10. Library & Info. Sc.	Prof. Prem Singh	SATKAL Punjab National Librarian Award (2009)



**Annexure-2.3****(Shall be made available to the Peer Team during the ‘On-site visit’)****LIST OF FACULTY WHO HAVE UNDERGONE STAFF DEVELOPMENT PROGRAMMES DURING THE LAST FOUR YEARS (2008-12)****Name of the Department: Botany**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Dr. Anita R Sehrawat	Content development for edusat programme in Haryana setup of working group in various subjects, organized by Govt. of Haryana in Govt. College, Hisar	23.03.09 to 25.03.09
2	Dr. Vinita Hooda	1. Comparative Genomic and Proteomics Drug Discovery, organized by Kamraj University, Madurai 2. UGC Networking Resource Centre Workshop in Biological Sciences, organized by Indian Institute of Science, Bangalore	30.05.11 to 13.06.11 01.05.12 to 25.05.12
3	Dr. SurenderYadav	1. NRDMS Summer Training Workshop on Geo-spatial Technology, organized by Department of Geography, M.D.U., Rohtak 2. Methods and Approaches in Plant Systematics, organized by National Botanical Research Institute, Lucknow 3. Application of Remote Sensing, GIS and GPS in Natural Resource Management, organized by Department of Geography, M.D. U., Rohtak 4. Working Effectively and the Interface of Forest Sciences and Forest Policy, organized by Punjab University, Chandigarh	28.05.12 to 17.06.12 05.12.11 to 14.12.11 16.05.11 to 25.05.11 14.05.09 to 15.5.09

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
4	Dr. Asha Sharma	1. Application of SPSS Software in Research, organized by M.D.U., Rohtak	19.04.12 to 20.04.12
		2. Prospective in Advance Material Sciences, organized by Pt. NRS Govt. College, Rohtak	08.09.12 to 09.02.12
		3. Bioinformatics, organized by Centre for Biotechnology, M.D.U., Rohtak	14.09.10 to 16.09.10

**Name of the Department: Commerce**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Prof. R. Vinayek, Prof. M.S.Malik Prof. S.D.Vashishtha Prof. S.S.Chahal Prof. Narender Kumar Dr.(Mrs.) Geeta Dr. R.R. Saini Dr. Raj Pal Singh Dr. (Mrs.) S. Nandwani Mrs. Raman Dr. Sanjiv Kumar Dr. Kuldeep Singh Mr. Tilak Raj Dr. V.S. Nehra	Enhancing Employability Skills: Communication & Personality Development	11.11.10 to 13.11.10
2	Prof. R. Vinayek Prof. Narender Kr Dr. R.R. Saini Dr. Raj Pal Singh Dr. Sanjiv Kumar Dr. Kuldeep Singh Mr. Tilak Raj Dr. V.S. Nehra	National Workshop on Analytical Techniques for Research in Commerce & Management	27.12.10 to 02.01.11
3	Dr. Raj Pal Singh Dr. Sanjiv Kumar Dr. Kuldeep Singh Mr. Tilak Raj Dr. V.S. Nehra	Workshop on Consumer Protection: Problems & Prospects	31.03.11



<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
4	Prof. Narender Kumar Dr. Raj Pal Singh Dr. Sanjiv Kumar Dr. Kuldeep Singh Mr. Tilak Raj Dr. V.S. Nehra Dr.(Mrs.)Seema Rathee	Workshop on Analytical Skills for Research in Business	26.11.11
5	Prof. Narender Kumar Dr. Raj Pal Singh Dr. Sanjiv Kumar Dr. Kuldeep Singh Mr. Tilak Raj Dr. V.S. Nehra Dr.(Mrs.)Seema Rathee	Workshop on Computer Applications in Research	4.12.21 to 10.12.11

**Name of the Department: Computer Science & Applications**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Dr. Rajender Singh Chhilar	1. Reporting Hidden Faults through Mutation Testing, IEEE sponsored National Seminar-cum-Workshop on Software Testing, organized by PDMRCEA	30.03.10
2	Dr. Nasib Singh Gill	1. Recent Trends in Software Testing, organized by DTU, Delhi 2. Application of SPSS Software and Research, organized by IHTM, M.D.U., Rohtak	17.9.10 19.04.11 to 20.04.11
3	Mrs. Pooja Mittal	1. Software Reliability and Testing, organized by School of Information and Communication Technology, Gautum Buddha Univ., Noida 2. Application of SPSS Software and Research, organized by IHTM, M.D.U., Rohtak 3. Short Term Course on Matlab Programming, organized by Dept. of Comp. Sci., NITTTR, Chandigarh	02.09.11 to 03.09.11 19.04.11 to 20.04.11 21.09.11 to 25.09.11

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
4	Mrs. Preeti Gulia	1. Application of SPSS Software and Research, organized by IHTM, M.D.U., Rohtak	19.04.11 to 20.04.11
		2. National Workshop on Applicable Statistics	28.03.10 to 30.03.10
		3. National workshop on Data Mining	Sept. 2010
5	Mr. Sandeep Dalal	1. National Workshop on Applicable Statistics, organized by Dept. of Statistics, M.D.U., Rohtak	28.03.10 to 30.03.10
		2. Network and Information Security, organized by Dept. of Comp. Sci. & Engg., DCRUST, Murthal	21.10.10
		3. Application of SPSS Software and Research, organized by IHTM, M.D.U., Rohtak	19.04.11 to 20.04.11
		4. Analytical Skills for Research in Business, organized by Faculty of Commerce, M.D.U., Rohtak	26.11.11
		5. Computer Applications in Research, organized by IHTM, M.D.U., Rohtak	04.12.11 to 10.12.11
		6. Application of e-Techniques/ Tools, organized by IHTM, M.D.U., Rohtak	19.12.12 to 20.12.12
6	Mr. Gopal Singh	1. Data Mining Using SPSS Clementine, organized by Dept. of Comp. Sci. & Engg., GJU, Hisar	06.02.09
		2. Network and Information Security (NIS-09), organized by Dept. of Comp. Sci. & Engg., DCRUST, Murthal, Sonapat	06.03.09
		3. Application of Statistics, organized by Dept. of Statistics, M.D.U., Rohtak	28.03.10 to 30.03.10

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
		4. Network and Information Security, organized by Dept. of Comp. Sci. & Engg. DCRUST, Murthal	21.10.10
		5. Application of e-Techniques/ Tools, organized by IHTM, M.D.U., Rohtak	19.12.12 to 20.12.12
7	Dr. Balkishan	1. Software Reliability and Testing, organized by School of ICT, Gautum Buddha University, Noida	02.09.11 to 03.09.11

**Name of the Department: Economics**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
	Mr. Jagdeep	1. Workshop on Qualitative Methods and Techniques in Social Science Research, organized by ICSSR, North Western Regional Centre, PU, Chandigarh	15.03.10 to 20.03.10
		2. 6 <sup>th</sup> Refresher Course in Public Economics/Public Finance, organized by National Institute of Public Finance and Policy and Indira Gandhi National Open University, New Delhi	10.05.10 to 04.06.10
		3. Computer Applications in Research, organized by Dept. of Commerce, M.D.U., Rohtak	04.12.11

**Name of the Department: Environmental Science**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Prof. Rajesh Dhankhar	1. National Workshop on Bioinformatics, organized by Centre for Biotechnology, M.D.U., Rohtak	14.09.10 to 16.09.10

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
		2. Resource person in “State Level Workshop on Save Water- Save Life & Save Environment- Save Earth”, organized by Govt. PG Nehru College, Jhajjar, Haryana	04.03.11
		3. National Workshop on “Microbial Diversity: Exploration and Perspective”, Dept. of Environmental Science, M.D.U., Rohtak	03.05.12 to 12.05.12
2	Dr. J.S. Laura	1. National Workshop Application of Remote Sensing and GIS in Natural Resource Management , organized by Dept. of Geography, M.D.U. Rohtak	16.05.11 to 25.05.11
		2. National Workshop on “Microbial Diversity: Exploration and Perspective”, Dept. of Environmental Sciences, M.D.U., Rohtak	03.05.12 to 12.05.12
3	Dr. Meenakshi Nandal	1. National Workshop on Bioinformatics, organized by Centre for Biotechnology, M.D.U., Rohtak	14.09.10 to 16.09.10
		2. National Workshop on Current Perspectives in Advanced Material Sciences, organized by Pt. N.R.S. Govt. College, Rohtak	08.02.12 to 09.02.12
		3. National Workshop on “Microbial Diversity: Exploration and Perspective”, organized by Dept. of Environmental Science, M.D.U., Rohtak	03.05.12 to 12.05.12
4	Mr. Sunil Kumar	1. National Workshop on Bioinformatics, organized by Centre for Biotechnology, M.D.U. Rohtak	14.09.10 to 16.09.10

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
		2. Training Program on “Application of Remote Sensing and GIS in Natural Resource Management”, HARSAC, Hisar	04.12.10 to 24.12.10
		3. National Workshop on “Application of Remote Sensing and GIS in Natural Resource Management, organized by Dept. of Geography, M.D.U. Rohtak	16.05.11 to 25.05.11
		4. National Workshop on Current Perspectives in Advanced Material Sciences, organized by Pt. N.R.S. Govt. College, Rohtak	08.02.12 to 09.02.12
		5. National Workshop on “Microbial Diversity: Exploration and Perspective”, organized by Dept. of Environmental Sciences, M.D.U., Rohtak	03.05.12 to 12.05.12
5	Mrs. Rachna Bhatelia	1. Training on “Basics of Bioinformatics for Biology Teaching”, organized by Bioinformatics Centre, Dept. of Bio and Nanotechnology, GJUS&T, Hisar	28.03.08 to 29.03.08
		2. Indian Association for Radiation Protection & Public Awareness Program on “Atom for Peace”, organized by the Department of Environmental Sc. & Engg., GJUS&T, Hisar in association with IARP, Trombay, Mumbai	15.04.08 to 17.04.08
		3. National Workshop on Current Perspectives, in Advanced Material Sciences organized by Pt. N.R.S. Govt. College, Rohtak	08.02.12 to 09.02.12

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
		4. National Workshop on “Microbial Diversity: Exploration and Perspective”, organized by Dept. of Environmental Sciences, M.D.U., Rohtak	03.05.12 to 12.05.12
6	Dr. Babita Khosla	1. 73 <sup>rd</sup> BARC-IANCAS National Workshop on Radiochemistry and Applications of Radioisotopes, organized by School of Chemistry & Biochemistry, Thapar University, Patiala	03.04.11 to 11.04.11
		2. National Workshop on Current Perspectives in Advanced Material Sciences, organised by Pt. N.R.S. Govt. College, Rohtak.	08.02.12 to 09.02.12
		3. National Workshop on “Microbial Diversity: Exploration and Perspective” in Dept. of Environmental Science, M.D.U. Rohtak	03.05.12 to 12.05.12
7	Dr. Geeta	1. National Workshop on Current Perspectives in Advanced Material Sciences organized by Pt.N.R.S. Govt. College, Rohtak	08.02.12 to 09.02.12

**Name of the Department: Geography**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	1. Dr. R.S. Sangwan	In-Service Training Programme on Scaling up of Water Productivity for livelihood in Agriculture, organized by Krishi Vigyan Kendra, Rohtak	22.02.10 to 07.03.10
	2. Dr. Naresh Malik		
	3. Mrs. Renu Arya	Application of Remote Sensing, GIS & GPS in Natural Resource Management, organized by Dept. of Geography, M.D.U., Rohtak	16.05.12 to 25.05.12

**Name of the Department: History**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Dr. J.S. Dhankhar	Workshop on “Historiography and Research Methodology”, organized by I.C.H.R., New Delhi	23.06.08 to 06.07.08

**Name of the Department: IGPGRC (Rewari)**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1.	Dr. Mamta Kamra	Workshop on Latex A Document Preparation System	10.12.12
	Dr. Ravinder		--
	Dr. Sanjay Kumar	Seven days Workshop	--
	Dr. Tej Singh	Four External Workshops	--
	Prof. Shri Krishan	External Workshop	--

**Name of the Department: IHTM**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1.	Dr. Ashish Dahiya	1. Workshop on International Food- The Cuisine of China, organized by IHTM, M.D.U., Rohtak.	28.02.12
2.	Dr. Sandeep Malik		
3.	Dr. Sanjeev Kumar		
4.	Dr. Ranbir Singh	2. Faculty Development Programme, organized by IHTM, M.D.U., Rohtak.	02.04.12 to 08.04.12
5.	Dr. Amit K Singh		
6.	Dr. Goldi Puri		
7.	Dr. Manoj Kumar	3. Faculty Development Programme, organized by IHTM, M.D.U., Rohtak.	19.04.12 to 20.04.12
8.	Mr. Anoop Huria		
9.	Mr. Sumegh		
10.	Mrs. Gunjan	4. Workshop on Beverage Production and Services, organized by IHTM, M.D.U., Rohtak	22.09.12
11.	Ms. Shilpi		

**Name of the Department: Law**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Date(s) &amp; Duration</b>
1.	Dr. Suman Lata	1. Workshop, organized by BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat	08.12.08 to 12.12.08

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Date(s) &amp; Duration</b>
		2. Workshop, organized by NALSAR University of Law, Hyderabad	16.04.08 to 23.04.08
		3. Workshop, organized by Department of Economics, M.D.U., Rohtak	24.03.10
2.	Dr. Asha Sharma	Workshop, organized by BPS MahilaVishwavidyalaya, Khanpur Kalan, Sonapat	08.12.08 to 12.12.08
3.	Dr. S.S. Shilwant	Workshop, organized by Dept. of Public Administration, M.D.U., Rohtak	25.03.11
		-do-	31.03.11
4.	Dr. Anju Khanna	Workshop, organized by BPS MahilaVishwavidyalaya, Khanpur Kalan, Sonapat	08.12.08 to 12.12.08
5.	Dr. Satya Pal Singh	1. Workshop, organized by IHTM, M.D.U., Rohtak	19.04.11 to 20.04.11
		2. Workshop, organized by Women Study Centre, M.D.U., Rohtak	03.02.12
		3. Workshop, organized by Kumaun University, Nainital (UK)	14.07.12 to 15.07.12
6.	Dr. Sonu	1. Workshop, organized by Indian Council of Social Science Research, North Western Regional, Chandigarh organized at M.D.U., Rohtak	24.03.08 to 28.03.08
		2. Workshop, organized by IHTM, M.D.U., Rohtak	19.04.11 to 20.04.11
		3. Workshop, organized by Kumaun University, Nainital	14.07.12 to 15.07.12
7.	Dr. Ved Pal Singh	1. Workshop, organized by National Law Univ., Patiala	20 <sup>th</sup> Jan, 2008
		2. Workshop, organized by Women Study Centre, M.D.U., Rohtak	03.02.12
		3. Workshop, organized by National Law University, Dwarka, Delhi	04.03.12 to 05.03.12



<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Date(s) &amp; Duration</b>
		4. Workshop, organized by IHTM, M.D.U., Rohtak	19.04.11 to 20.04.11

**Name of the Department: Medical Biotechnology**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Dr. Amita Suneja Dang	1. Training on 'Real Time PCR Technology' in National Workshop on Real Time PCR Technology	24.11.11 to 25.11.11
2	Dr. Hari Mohan	1. Training Course on "Recombinant DNA and Cell Culture Techniques", organized by Department of Animal Biotechnology, CCS HAU, Hisar	3.11.08 to 24.11.08
		2. Training on Application of Bioinformatics in Environment and Biodiversity, organized by Bioinformatics Centre, GJUS&T, Hisar	03.11.08 to 07.11.08
		3. Training Course on "Recombinant DNA Techniques and Bioinformatics Tools", organized by Dept. of Animal Biotech., CCS HAU, Hisar, Haryana	03.02.08 to 24.02.08

**Name of the Department: Microbiology**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Dr. Pratyosh Shukla	1. Beneficiary Role of Micro-algae Against Arsenic Contamination, organized by IICB, Kolkata and University of Barkley	Nov. 2011
		2. International SA-Swedish Research Workshop, organized by Durban University of Technology, Durban, South Africa and Lund University, Sweden	18.09.08 to 19.09.08

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
2	Dr. K.K. Sharma	1. Workshop on Confocal Microscopy Leica and Hands on Practice on the Instruments	13.10.09 to 15.10.09
		2. National Workshop, organized by IVRI, Izat Nagar	03.05.12 to 12.05.12
3	Dr. Bijender Singh	1. International Workshop Molecular Methods in Malaria, organized by International Centre for Genetic Engg. & Biotechnology	17.11.08 to 28.11.08
		2. National Workshop on Environmental Problems and its Mitigations, organized by Dept. of Environmental Science, M.D.U., Rohtak	26.03.10
		3. National Workshop on Current Perspectives in Advanced Material Sciences, organized by Pt. NRS, Govt. College, Rohtak	08.02.12 to 09.12.12

**Name of the Department: Physics**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	1. Dr. Sunil Chaudhary 2. Dr. Ashwani Sharma 3. Dr. Harjeet Kaur 4. Dr. Anirudh Yadav 5. Sh. Sanjay Dahiya 6. Dr. Anil Ohlan 7. Dr. Grima Dhingra 8. Ms. Rajni Bala 10. Sh. Sajjan Dahiya	1. Workshop on Introduction to Fortran and C++ Languages, organized by Dept. of Physics, M.D.U., Rohtak 2. Workshop on Material Science, organized by Dept. of Physics, M.D.U., Rohtak 3. Workshop on Semiconductor Devices: Fabrication and Applications, organized by Dept. of Physics, M.D.U., Rohtak	28.10.10 to 30.10.10 25.03.11 13.02.12

**Name of the Department: Physical Education**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1.	1. Prof. Indira Dhull 2. Dr. B.S. Rathee 3. Dr.(Mrs.)Jagmati Sangwan 4. Mr. Kultaj Singh 5. Dr. R.P. Garg 6. Ms. Sarita 7. Ms. RajniSaini	National Workshop on, Modern Developments & Trends in Sports Conditioning, organized by Department of Physical Education, M.D. U., Rohtak	12.02.12 to 18.02.12

**Name of the Department: Political Science**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Dr. Rajender Sharma	Use of Qualitative Techniques in Research, organized by the Dept. of Commerce, M.D.U., Rohtak	4.12.11 to 10.12.11

**Name of the Department: Sanskrit**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Dr. Baldev Singh Mehra	1. Workshop on Computational Sanskrit, organized by Dept. of Sanskrit, M.D.U., Rohtak 2. Workshop on Triadistic Philosophy, organized by Dept. of Sanskrit, M.D.U., Rohtak	17.11.08 20.01.12
2	Dr. Surender Kumar	1. Conducted an Online Workshop on Jeevaatma Bodha: An Understanding of Soul, Dept. of Sanskrit, M.D.U., Rohtak 2. Conducted a Workshop on Tridestic Philosophy Trait-vad, Dept. of Sanskrit, M.D.U., Rohtak	24.11.11 to 26.11.11 20.01.12
3	Dr. Sunita Saini	1. Workshop on Computational Sanskrit, organized by Dept. of Sanskrit, M.D.U., Rohtak 2. Prakrit Language Elementary Course, organized by Bhogi Lal Lehar Chand Inst. of Indology, Delhi	07.11.08 10.05.09 to 31.05.09

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
		3. Workshop on Triadistic Philosophy, organized by Dept. of Sanskrit, M.D.U., Rohtak	20.01.12
4	Dr. D.P. Kularia	1. National Workshop in Enhancing Employability Skills: Communication and Personality Development, organized by Dept. of Commerce, M.D.U., Rohtak 2. Faculty Development Programme on Learning to do Academic Research in Hospitality & Tourism, organized by IHTM, M.D.U., Rohtak	13.11.12 to 15.11.12 02.04.12 to 08.04.12

**Name of the Department: Sociology**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Dr. Desh Raj	1. UGC Sponsored Seven Days National Workshop organized by School of Mgt. Studies, BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat 2. UGC Sponsored Workshop for Professors/Readers, organized by ASC, BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat 3. National Workshop, organized by Govt. College, Ajmer (Rajasthan) 4. Workshop, organized by Department of Commerce, M.D.U., Rohtak	24.03.12 to 30.03.12 10.05.11 to 16.05.11 16.06.11 to 22.06.11 04.12.11 to 10.12.11
2	Dr. Supriti	1. Workshop on Enhancing Success and Flourishing in Women organized by Women Studies Centre, M.D.U., Rohtak 2. Application of e-Techniques/ Tools in Research, organized by IHTM, M.D.U., Rohtak	27.05.12 19.04.12 to 20.04.12

**Name of the Department: University Institute of Engineering & Technology (UIET)**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Dr. S. P. Khatkar	1. Chaired a Workshop of Directors/Principals of Various Engg. Institutes to update the Syllabi of Various B.Tech. Courses	02.02.11 to 03.02.11
		2. National Workshop on Frontiers in Chemistry, organized by Sardar Patel University, Vallabh, Vidyanagar, Gujrat	03.02.12 to 04.02.12
		3. Organized Science Conclave for School Students at M.D.U., Rohtak	02.12.11 to 03.12.11
2	Dr. Yudhvair Singh	1. Workshop on Innovation in Electrical Power Systems, organized by UIET, M.D.U., Rohtak	2012
		2. National Workshop on Recent Trends in Engineering & Technology (RTET-11), organized by GJUS&T, Hisar	2011
		3. National Workshop on Recent Trends in Engineering & Technology (RTET-11), organized by GJUS&T Hisar	2010
		4. National Workshop on Chemistry in Our Lives, organized by GJUS&T, Hisar	2010
		5. National Workshop on Recent Trends in Engineering & Technology (RTET-11), organized by GJUS&T Hisar	2009
		6. National Workshop on Career Prospects for Engineering Students in Today's Scenario	2009
		7. National Workshop on Recent Trends in Printing Technology	13.03.09 to 14.03.09
		8. Course on Advances in Networking under TEQIP	06.12.08 to 13.12.08

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
3	Dr. Raj Kumar Yadav	1. National Workshop-cum-Conference on Domain Based Classification of Digital Watermarking, organised by TITS, Bhiwani (Haryana)	21.05.11
		2. National Workshop-cum-Conference on A Review Article of Different Biometric Techniques, organised by TITS, Bhiwani (Haryana)	21.05.11
		3. National Workshop-cum-Conference on Enhancing the Security over Network Using Cryptography: A Robust Approach, organised by TITS, Bhiwani (Haryana)	21.05.11
4	Sh. Vikas Siwach	1. Mission 10 X	26.10.10 to 31.10.10
		2. Workshop on Robotics and its Applications	17.11.11
		3. Workshop on Optical Fiber and its Applications in Backbone Networks	02.03.12
		4. Workshop on Innovations in Electrical Power System	14.03.12
5	Mrs. Kamna	1. Mission 10 X	26.10.10 to 31.10.10
6	Mrs. RainuNandal	1. Mission 10 X	26.10.10 to 31.10.10
		2. Workshop on Robotics and its Applications	17.11.11
		3. Workshop on Optical Fiber and its Applications in Backbone Networks	02.03.12
		4. Workshop on Innovations in Electrical Power System	14.03.12
7	Mrs. Chhavi Rana	1. Mission 10 X	26.10.10 to 31.10.10
8	Sh. Dheeraj Khurana	1. Mission 10 X	26.10.10 to 31.10.10
		2. Workshop on Robotics and its Applications	17.11.11

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
		3. Workshop on Optical Fiber and its Applications in Backbone Networks	02.03.12
		4. Workshop on Innovations in Electrical Power system	14.03.12
9	Sh. Harkesh Sehrawat	1. Workshop on Robotics and its Applications	17.11.2011
		2. Workshop on Optical Fiber and its Applications in Backbone Networks	02.03.12
		3. Workshop on Innovations in Electrical Power system	14.03.12
10	Mrs. Amita Dhankhar	1. Mission 10 X	26.10.10 to 31.10.10
11	Dr. Kashyap Dubey	1. Animal Tissue Culture Tools and Techniques at Bhartee Vidyapeeth University, Pune, Maharashtra	11.05.09 to 23.05.09
		2. Short-term Training Program on Design & Analysis of Engineering Experiments, organised by School of Engineering, Gautam Buddha Univ., Greater Noida	04.07.11 to 08.07.11
		3. Tissue Culture/ Transgenic Technology/ Biotechnology organized by Centre for Transgenic Plant Development, Hamdard University, Hamdard Nagar, New Delhi	30.11.09 to 05.12.2009
		4. Workshop on Paradigms of Synthetic Biology, organized by JUIT, Solan and Jt. Bioenergy Institute, Emeryville, CA, USA.	26.07.11 to 28.07.11
		5. Workshop on SPSS Software in Research, organized by IHTM, M.D.U., Rohtak	19.04.11 to 20.04.11
12	Dr. Manvender Singh	1. STC on Biotechnology	02.07.11 to 14.07.11
		2. Microbial Technology and its Human Benefits, M.D.U., Rohtak	07.08.10

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
		3. Prospects of Biotechnology , DCRUST, Murthal	19.11.10
13	Dr (Ms)Vijay Dangi	1. Mission 10 X	26.10.10 to 31.10.10
		2. UGC Academic Staff College, Punjab University, Chandigarh	15.02.11 to 16.03.11
		3. Workshop on High Impact Teaching Skills by Dale Carnegie & Associates, Inc. Trainer and Wipro, UIET, M.D.U., Rohtak	25.10.10 to 26.10.10
14	Dr Veer Bhan	1. National Level Short-Term Course on Biotechnology & Biochemical Engineering, NITTTR, Chandigarh	23.11.09 to 27.09.09
		2. Workshop on Application of SPSS Software in Research, organized by IHTM, M.D.U., Rohtak	19.04.11 to 20.04.11
		3. National Workshop on Applicable Statistics, organized by the Department of Statistics, M.D.U., Rohtak	28.03.10 to 30.03.10
15	Dr.(Ms) Manjeet Kaur	1. Gene Technology for Production , Enhancement and Sustainability	14.07.09 to 27.07.09
		2. Academic Reforms in Engineering and Technology	27.02.09
		3. Biomedical Engineering (BME- 09) Application of SPSS Software in Research	12.11.09 to 13.11.09
16	Dr. Prabhakar Kaushik	Entrepreneurship Development Programme (EDP), Department of Mechanical Engineering, Shri Krishan Institute of Engg. & Tech., Kurukshetra	06.12.08
17	Sh. Rajesh	Mission 10 X	26.10.10 to 31.10.10
18	Sh. Sandeep Kumar	1. Workshop on Application of SPSS Software in Research, IHTM, M.D.U., Rohtak	19-20 April, 2011



<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
		2. Workshop on Material Sciences, Department of Physics, M.D.U., Rohtak	25.03.11
19	Sh. Pardeep Gahlot	1. SDP for Workshop Instructor, NITTTR, Chandigarh	16.07.12 to 20.07.12
		2. SDP on Engineering Drawing, NITTTR, Chandigarh	23.07.12 to 27.07.12
20	Sh. Ravinder Kumar Sahdev	Engineering Drawing - The Language of Engineers	23.09.11 to 25.09.11
21	Sh. Vikash Nandal	1. Mission 10 X	26.10.10 to 31.10.10
		2. Workshop on Robotics and its Application	17.11.11
		3. Workshop on Optical Fiber and its Applications in Backbone Networks	02.03.12
		4. Workshop on Innovations in Electrical Power System	14.03.12
22	Dr. Vikash Sindhu	1. Optical Fibers Communication & Sensing Applications, NITTTR, Chandigarh	16.07.12 to 27.07.12
		2. Wireless LANS, NITTTR, Chandigarh	30.07.12 to 03.08.12
		3. Basic Applications of MATLAB, DCRUST, Murthal, Sonapat	22.02.10 to 26.02.10
		4. Mission 10 X	26.10.10 to 31.10.10
		5. Distribution System Automation, NIT, Kurukshetra	22.02.09
		6. Workshop on Robotics and its Application, UIET, M.D.U., Rohtak	17.11.12
23	Dr.(Col) Suresh Kumar	1. Mission 10 X	26.10.10 to 31.10.10
		2. Workshop on Robotics and its Applications, UIET, M.D.U. Rohtak	17.11.11
		3. Workshop on Optical Fiber and its Applications in Backbone Networks, UIET, M.D.U., Rohtak	02.03.12

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
		4. Short-Term Course on Basics and Applications of MATLAB, DCRUST, Murthal, Sonapat	22.02.10 to 26.02.10
		5. Faculty Development Program, conducted by WIPRO Technologies	25.10.10 to 29.10.10
		6. Faculty Development Program conducted by WIPRO Technologies	04.02.11 to 05.02.11
		7. Faculty Empowerment Program under Mission 10X 2nd Stage	04.02.11 to 05.02.11
24	Sh. Shamsher	1. Mission 10 X	26.10.10 to 31.10.10
25	Dr. Anil Sangwan	1. Mission 10 X	26.10.10 to 31.10.10
		2. Workshop on Robotics and its Applications	17.11.11
		3. Workshop on Optical Fiber and its Applications in Backbone Networks	02.03.12
		4. Workshop on Innovations in Electrical Power System	14.03.12
26	Sh. Manoj Ahlawat	1. Mission 10 X	26.10.10 to 31.10.10
		2. Workshop on Application of SPSS Software in Research, organized of IHTM, M.D.U., Rohtak	19.04.11 to 20.04.11
		3. Workshop on Optical Fiber and its Applications in Backbone Networks	02.03.12
		4. Workshop on Robotics and its Applications	17.11.12
27	Sh. Vipin Kumar	1. Workshop on Robotics and its Applications	17.11.11
		2. Workshop on Optical Fiber and its Applications in Backbone Networks	02.03.12
		3. Workshop on Innovations in Electrical Power System	14.03.12

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
28	Mrs. Meena Kumari	1. Workshop on Innovations in Electrical Power System	14.03.12
29	Sh. Gurdiyal Singh	1. Workshop on Innovations in Electrical Power System	14.03.12
30	Sh. Surender Singh	1. Workshop on Robotics and its Application	17.11.11
		2. Workshop on Optical Fiber and its Applications in Backbone Networks	02.03.12
		3. Workshop on Innovations in Electrical Power System	14.03.12
31	Mrs. Neha Khurana	1. Workshop on MATLAB, TITS, Bhiwani	
		2. Workshop on Recent Trends in Mathematics and Computing, TITS, Bhiwani	
		3. Workshop on HACK TRACK, TITS, Bhiwani	
		4. India's Economic Health: Major Issues, TITS, Bhiwani	
		5. Workshop on Linux Administration, TITS, Bhiwani	
32	Mrs. Savita Khatri	1. Workshop on Robotics and its Applications	17.11.11
		2. Workshop on Optical Fiber and its Applications in Backbone Networks	02.03.12
		3. Workshop on Innovations in Electrical Power System	14.03.12
33	Dr. Seema	1. Workshop on Research Methodology in Education and Use of Technology in Research, G.V.M. College of Education, Sonapat	15.11.08 to 16.11.08
		2. National Workshop on Quality Assurance in Higher Education, K.M. College of Education, Bhiwani	19.12.09
		3. Workshop on Empowering of Women in Higher Education, Women Study Centre, M.D.U., Rohtak	24.09.10

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
		4. Workshop on Material Sciences Dept. of Physics, M.D.U., Rohtak	25.03.11
		5. Workshop on Application of SPSS Software in Research, IHTM, M.D.U., Rohtak	19.04.11 to 20.04.11
		6. National Workshop on Recent Trends in Chemistry, Dept. of Chemistry, DCRUS&T, Murthal, Sonapat	29.09.11
		7. National Workshop on Current Perspectives in Advanced Material Sciences, Pt. N.R.S. Govt. College, Rohtak	08.02.12 to 09.02.12
34	Dr. Rajesh Kumar	1. Indo-Russian Workshop on Nanotechnology and Laser Induced Plasma, University of Delhi	24.11.09 to 26.11.09
35	Dr. Grima Chopra	1. Training Program on Optimization Theory and Applications, organised by University of Delhi, Delhi	10.02.10 to 14.02.10

**Name of the Department: Zoology**

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
1	Dr. Meenakshi Sharma	1. National Workshop on Bioinformatics, Centre for Biotechnology, M.D.U., Rohtak	14.09.10 to 16.09.10
2	Dr. Sudhir Kataria	1. Techniques in Animal Cell Culture & In Vitro Toxicology Bharathidasan University, Tiruchirapalli, Tamil Nadu	24.12.11 to 02.01.12
		2. Training on Molecular Markers for Genetic Diversity Assessment & Tools for Genome Resource Conservation, NBFGR, Lucknow	21.04.11 to 04.05.11
		3. National Workshop on Basic Techniques in Biotechnology, Food Tech & Bioinformatics Dept. of Biotechnology & Food & Tech., CDLU, Sirsa	15.06.11 to 28.06.11

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Name of Summer/ Winter School/ workshops etc.</b>	<b>Period</b>
		4. Training Course on Biomarkers of Genotoxicity and Oxidative Stress in Fishes, National Bureau of Fish Genetic Resources, Lucknow	18.02.10 to 27.02.10
		5. National Workshop on Bioinformatics, Centre for Biotechnology, M.D.U., Rohtak	14.09.10 to 16.09.10
		6. Workshop on Efficient use of MDU Integrated Network & IP Telephony, DDE, M.D.U., Rohtak	23.10.09
3	Dr Vinay Malik	1. Training Course on Capacity Building for Lectures of Higher Education organised by HIPA, Gurgaon	29.06.09 to 03.07.09
		2. Short Term Training Course on Molecular Biology/ Biotechnology, organized by Centre for Biotechnology, M.D.U., Rohtak	02.05.11 to 16.05.11
		3. National Workshop on “Environmental Problems and its mitigation” organised by Department of Environmental Sciences, M.D.U., Rohtak	26.03.10
		4. National Workshop on Current Perspectives in Advance Material Sciences organised by Pt. NRS Govt. College, Rohtak	08.02.12 to 09.02.12



(to be made available to the Peer Team during the ‘On-site visit’)

## **THE COURT AND ITS CONSTITUTION**

**The Court shall consist of the following members, namely:**

1. (a) **Ex-Officio Members**
  - (i) the Chancellor;
  - (ii) the Vice-Chancellor;
  - (iii) Pro-Vice-Chancellor;
  - (iv) the Deans of Faculties;
  - (v) the Higher Education Commissioner, Haryana;
  - (vi) the Director of Technical Education, Haryana;
  - (vii) the Registrar;
  - (viii) the Dean of Students' Welfare;
  - (ix) the Dean, Colleges Development Council;
  - (x) the Controller of Examinations;
  - (xi) the Librarian;
  - (xii) the Proctor;
  - (xiii) the Finance Officer;
  - (xiv) the Director, Indira Gandhi P.G. Regional Centre, Rewari;
  - (xv) the Director, Distance Education
- (b) **Other Members**
  - (i) Two persons to be elected by the Haryana Vidhan Sabha from amongst its members, out of which at least one should be woman;
  - (ii) Professors of the University, not exceeding ten, on the basis of seniority by rotation;
  - (iii) Five teachers to be elected from amongst Readers and Lecturers of the university of whom at least two shall be Readers; out of the aforementioned five elected teachers, at least one should be woman;
  - (iv) One Principal from the maintained colleges, on the basis of seniority by rotation;
  - (v) One Principal from Colleges of Education, on the basis of seniority by rotation;
  - (vi) Six Principals of Arts/Science/Commerce colleges of which at least two shall be women, on the basis of seniority by rotation;
  - (vii) Ten regular teachers (other than Principals) from the affiliated or maintained colleges by election as under:

- a) Two teachers of Colleges of Education;
- b) Two teachers of Arts/Science/Commerce Colleges from each of the following four zones:
  - Zone-1 Colleges situated in Rohtak and Jhajjar Districts;
  - Zone-2 Colleges situated in Sonapat & Bhiwani Districts.
  - Zone-3 Colleges situated in Faridabad and Palwal Districts and Gurgaon Town.
  - Zone-4 Colleges situated in Mohindergarh, Rewari, Mewat and Gurgaon Districts excluding Gurgaon Town.

Provided that out of the eight teachers from Arts/Science/Commerce Colleges, at least four shall be women, one from each zone.

- (viii) Five students to be nominated in the manner to be prescribed by the statutes for a term of one year.
  - (ix) Fifteen representatives of learned professions with special interest including representatives of industry, commerce and weaker sections of the society, to be nominated by the Chancellor; out of the aforementioned fifteen representatives, atleast five should be women.
- (2) The Registrar shall be the Member-Secretary of the Court.
  - (3) The members of the Court, other than ex-officio members, shall hold office for a term of three years except those coming by rotation who shall hold office for two years: Provided that any member, who ceases to hold the qualifications by virtue of which he was elected or nominated as member to the Court, shall cease to be a member thereof.
  - (4) The method of election except in case of Sub-Clause (b)(iii) of Clause-1 shall be by simple majority voting of ballot and the election shall be conducted in accordance with the rules framed by the Vice-Chancellor. The election of members to the Court in the case of Sub-Clause (b)(iii) of Clause-1 shall be held by the method of proportional representation.

**Frequency of Meetings of the Court**

- (1) The Court shall meet atleast once a year on a date to be fixed by the Vice-Chancellor.
- (2) A special meeting of the Court may be convened at any time by the Vice-Chancellor himself or on a written request of twenty-five members.
- (3) Twenty-five members shall form a quorum.
- (4) The Chancellor shall, if present, preside over the meetings of the Court.



**(to be made available to the Peer Team during the ‘On-site visit’)**

**THE EXECUTIVE COUNCIL AND ITS CONSTITUTION**

- (1) The Executive Council shall consist of the following persons, namely:
  - (a) Ex-officio members:
    - (i) the Vice-Chancellor;
    - (ii) the Pro-Vice-Chancellor;
    - (iii) the Secretary, Education, Haryana or in his absence, the Higher Education Commissioner, Haryana;
    - (iv) the Finance Secretary, Haryana or his representative not below the rank of Joint Secretary;
  - (b) Other Members:
    - (i) One Dean from the Faculties of Engineering & Technology, Education, and Law, in rotation for two years;
    - (ii) One Dean from the Faculties of Life Sciences, Physical Sciences, and Pharmaceutical Sciences, in rotation for two years;
    - (iii) One Dean from the Faculties of Social Sciences, Humanities, Commerce and Management Sciences, in rotation for two years;
    - (iv) Two Principals (other than the Deans of the Faculties) of maintained or affiliated colleges, out of which one shall be a woman, by rotation, on the basis of seniority, for two years;
    - (v) One Professor of the University Teaching Departments by rotation, for one year, in accordance with their seniority;
    - (vi) Two teachers of the University Teaching Departments (other than Professors) to be elected from amongst themselves, out of which at least one shall be reader, for a period of two years. The election shall be held by the method of proportional representation;
    - (vii) One teacher (other than a Principal) of a College to be elected by the members of the Court from amongst themselves;
    - (viii) Four persons as the Chancellor's nominees from amongst distinguished educationists or administrators, for a period of two years; provided that at least two out of these four persons are members of the Court, but are not employees of the Government, the university, the colleges maintained by or affiliated to the university or students of the university; provided further that out of the aforesaid four persons, atleast one shall be a woman.
- (2) The Registrar shall be the Secretary of the Executive Council.
- (3) Seven members shall form a quorum.
- (4) Any member who ceases to hold the qualifications by virtue of which he was elected or nominated as member to the Executive Council shall cease to be a member thereof.



**(to be made available to the Peer Team during the ‘On-site visit’)**

**THE ACADEMIC COUNCIL AND ITS CONSTITUTION**

- (1) The Academic Council shall consist of the following persons, namely:
- (a) Ex-Officio members:
    - (i) the Vice-Chancellor;
    - (i)a. the Pro-Vice-Chancellor;
    - (ii) The Higher Education Commissioner, Haryana; or the Joint Director (Colleges), Haryana or any nominee of Higher Education Commissioner, not below the rank of Deputy Director, Colleges;
    - (iii) the Deans of Faculties;
    - (iv) the Dean of Students' Welfare, if any;
    - (v) the Dean of Colleges, if any;
    - (vi) the Heads of the University Teaching Departments;
    - (vii) the Professors appointed by the University;
    - (viii) the Provost(s) of University Hostels;
    - (ix) the Director, Indira Gandhi P.G. Regional Centre, Rewari;
    - (x) Librarian of the University Library;
  - (b) Other members:
    - (i) One University Reader by seniority from each Faculty, by rotation;
    - (ii) One University Lecturer from each Faculty, by rotation on the basis of seniority;
    - (iii) Ten Principals of the affiliated/maintained colleges, out of which atleast two shall be women on the basis of seniority by rotation;
    - (iv) Fifteen regular teachers (other than the Principals) from affiliated/maintained colleges by election as under:
      - (a) One teacher (other than Professors) of Engineering Colleges;
      - (b) Two teachers of Education Colleges;
      - (c) Three teachers of Arts/Science/Commerce colleges, from each of the following four zones:
        - Zone-1 Colleges situated in Rohtak & Jhajjar Districts.
        - Zone-2 Colleges situated in Sonapat & Bhiwani Districts.
        - Zone-3 Colleges situated in Faridabad & Palwal Districts and Gurgaon town.
        - Zone-4 Colleges situated in Mohindergarh, Rewari, Mewat and Gurgaon Districts excluding Gurgaon town.

Provided that out of twelve teachers from Arts/ Science/Commerce colleges, at least one shall be a woman, by rotation from the above zones.

- (v) Five persons as experts to be co-opted by the Academic Council; provided that not more than one of them shall be from the same faculty.
  - (vi) President, M.D. University Students' Union and two Presidents to be elected from amongst themselves by the Presidents of the students Union in the Colleges, (out of the two Presidents, one shall be a girl) for the period from the date of election till new elections are held during their period of incumbency provided the students' representatives remain on rolls of the institution concerned; provided that the members coming under this Clause shall not participate in the meeting at the time the Academic Council considers the appointment of examiners.
- (2) The Registrar shall be the Secretary of the Academic Council.
  - (3) Two-fifths of the members shall form a quorum.
  - (4) The members of the Academic Council, other than *ex-officio* members shall hold office for a term for two years:  
Provided that any member who ceases to hold the qualifications by virtue of which he was elected or nominated as member to the Academic Council shall cease to be a member thereof.
  - (5) The method of election of members to the Academic Council shall be by simple majority voting of ballot and the election shall be conducted in accordance with the rules framed by the Vice-Chancellor.

**Annexure-6.4**  
**(to be made available to the Peer Team during the ‘On-site visit’)**

**THE FINANCE COMMITTEE AND ITS CONSTITUTION**

- 1) The Finance Committee shall consist of the following persons, namely
  - a. the Vice-Chancellor;
  - b. the Pro-Vice-Chancellor;
  - c. the Finance Secretary, Haryana;
  - d. the Education Secretary, Haryana;
  - e. two Deans of Faculties as prescribed under Clauses (1) (b) (ii) and (iii) of Statutes 11;
  - f. One person to be nominated by the Chancellor from amongst four members nominated by him to the Executive Council under Clause (1) (b) (viii) of Statute 11.
- 2) The Vice-Chancellor shall be the Chairman of Finance Committee, and the Finance Officer shall be its Secretary.
- 3) Four members shall form a quorum out of which atleast one shall be Finance Secretary, Haryana or the Education Secretary, Haryana.
- 4) The members nominated to the Finance Committee shall hold office for a term of two years.
- 5) Any member who ceases to hold the qualification by virtue of which he was nominated shall cease to be member thereof.



(to be made available to the Peer Team during the 'On-site visit')

**IMPORTANT DECISIONS TAKEN BY THE EXECUTIVE COUNCIL  
IN ITS VARIOUS MEETINGS**

<b>Item No.</b>	<b>Decisions Taken</b>
<b>Meeting held on 1<sup>st</sup> May, 2010</b>	
16.	Modified the promotion policy for the staff of University Press.
20.	Approved the Inspection Performa/Norms & Standards for the M.Ed., D.Ed., C.P.Ed., and B.P.Ed. Courses.
21.	Accorded the provisional affiliation to new Colleges/Institutes for running D.Ed. Course.
27.	Approved the introduction of M.Tech. (Computer Science) Course in the Department of Computer Science & Applications.
28.	Amended Clause 10 of the Ordinance: B.Sc./B.Sc. (Home Science)/B.com. (Pass & Vocational - Semester System) Examinations.
41.	Approved installation of 'Sky-radiometer' at the Campus.
<b>Meeting held on 10<sup>th</sup> July, 2010</b>	
10	Approved recommendations of the committee with regard to M.Tech. (Computer Science) Course.
27	Approved revival of 27 posts in the University Press.
<b>Meeting held on 17<sup>th</sup> September, 2010</b>	
3.	Approved MoU between M.D. University and NYSA Communications (P) Ltd., New Delhi for computerization of all administrative functions of the University.
17.	Approved introduction of M.Tech. (Engineering Physics) Course and fee thereof.
18.	Approved introduction of PG Diploma in "Psychology in Organizations" Course and fee thereof.
19.	Approved introduction of 5-year Integrated M.A. (Hons.) Courses in Geography and English.
<b>Meeting held on 15<sup>th</sup> October, 2010</b>	
12.	Approved implementation of Defined Contributory Pension Scheme.
<b>Meeting held on 24<sup>th</sup> December, 2010</b>	
21.	Approved provisional affiliation to new Engineering/ Management Institutes for running B.Tech. and MBA Courses.
35.	Issues relating to Distance Education Courses.
45.	Approved implementation of Students' Evaluation and Feedback System.
59.	Approved fees for the students of IT and Management Courses of DDE for Shifting/Transfer of Study Centres.
<b>Meeting held on 5<sup>th</sup> February, 2011</b>	
5.	Revised the rates of remuneration payable to the resource persons/ teachers.

<b>Item No.</b>	<b>Decisions Taken</b>
19.	Approved Incentive Plan for Non-teaching Employees for e-Governance in the University.
24.	Approved the promotion of Class-IV employees.
<b>Meeting held on 29<sup>th</sup> March, 2011</b>	
13.	Approved introduction of M.Tech. (Geo-Informatics) Course in the Department of Geography and fee thereof.
37.	Approved MoU between Maharshi Dayanand University, Rohtak and Daeduk University, Taejon (S. Korea).
38.	Approved MoU between Maharshi Dayanand University Rohtak and Universidad Politecnica De Valencia.
52.	Approved the appointment of Prof. S.P. Khatkar as Director, University-Industry Liaison Cell, and of Dr. Pardeep Ahlawat, Reader, IMSAR as Director, Corporate Resource Centre.
<b>Meeting held on 25<sup>th</sup> April, 2011</b>	
22.	Accorded Autonomous Status to the University Institute of Engineering and Technology.
<b>Meeting held on 9<sup>th</sup> June, 2011</b>	
9.	Approved the establishment of Administrative Staff College for the training of Administrative Staff of the University as well as Affiliated Colleges.
11.	Approved the University Accounts Code.
25.	Approved the creation and accorded the Status of an Independent Department to 'Centre for Bioinformatics' and 'Centre for Medical Biotechnology'.
26.	Approved MoU between M.D. University, Rohtak and Pt. B.D. Sharma University of Health Sciences, Rohtak
31.	Approved Ordinance for Registration and Award of Doctor of Philosophy (Ph.D.).
33.	Approved introduction of MA (Hons.) Public Administration 5-year Integrated Programme under S.F.S. and Fee thereof.
44.	Approved Sitting Fee of Rs. 1000/- for Outside Experts for attending meetings of UG/PG Boards of Studies, Departmental Research Committees and the Faculties.
45.	Approved MoU between M.D. University and M/s NIAM Educational Services Pvt. Ltd., New Delhi for their appointment as Online Campus Manager for the Directorate of Distance Education.
46.	Approved MoU between M.D. University and National Stock Exchange of India Limited for introduction of New Job-oriented Programmes.
48.	Approved recommendations of the Faculty of Distance Education.
<b>Meeting held on 29<sup>th</sup> August 2011</b>	
49.	Approved provision for additional Rs. 1.00 Crore in the Budget Estimates 2011-12 under the Budget Head Ex-gratia.



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<b>Item No.</b>	<b>Decisions Taken</b>
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**Meeting held on 30<sup>th</sup> November 2011**

51. Approved qualifications for appointment of teachers and other Academic Staff in the University and Colleges and Measures for Maintenance of Standard of Higher Education.
52. Approved qualifications for appointment of Teachers and other Academic Staff in the Technical Institutions.
53. Rules for award of Internal Assessment for PG Classes.

**Meeting held on 13<sup>th</sup> January 2012**

54. Approved the revision/prescription of various Components of Fee for UG/PG/Professional Courses.
55. Approved the State Govt. Instructions for change of option of 199 leftover employees from CPF to Pension Scheme.
56. Approved the MoU between Maharshi Dayanand University, Rohtak and INFLIBNET Centre, Ahmedabad for supply of copies of Synopses, Full Text of the Theses, and Meta Data of the M.Phil. and Ph.D. students/scholars.
57. Approved the restructuring of University Computer Centre.

**Meeting held on 1<sup>st</sup> March 2012**

58. Approved the establishment of Ch. Ranbir Singh Institute of Social and Economic Change.
59. Approved the MoU between Maharshi Dayanand University Rohtak and Lakshmi Precision Screws Ltd., Rohtak.
60. Approved common ordinance for all the 5-Year Integrated Courses.
61. Approved conferment of Degree of D.Litt. (Honoris Causa) on Pandit Jasraj Jee, a renowned personality in the field of performing arts.

**Meeting held on 28<sup>th</sup> March 2012**

62. Approved Budget Estimates of the University for the year 2012-13.

**Meeting held on 22<sup>nd</sup> June 2012**

63. Approved the request of five teachers to attend international conferences.
64. Approved the start of M.A. (Population Studies) course in the Department of Geography.
65. Approved the MoU between CSIR Institute of Genomics and Integrative Biology, New Delhi and Maharshi Dayanand University, Rohtak for Collaborative Research and Training.

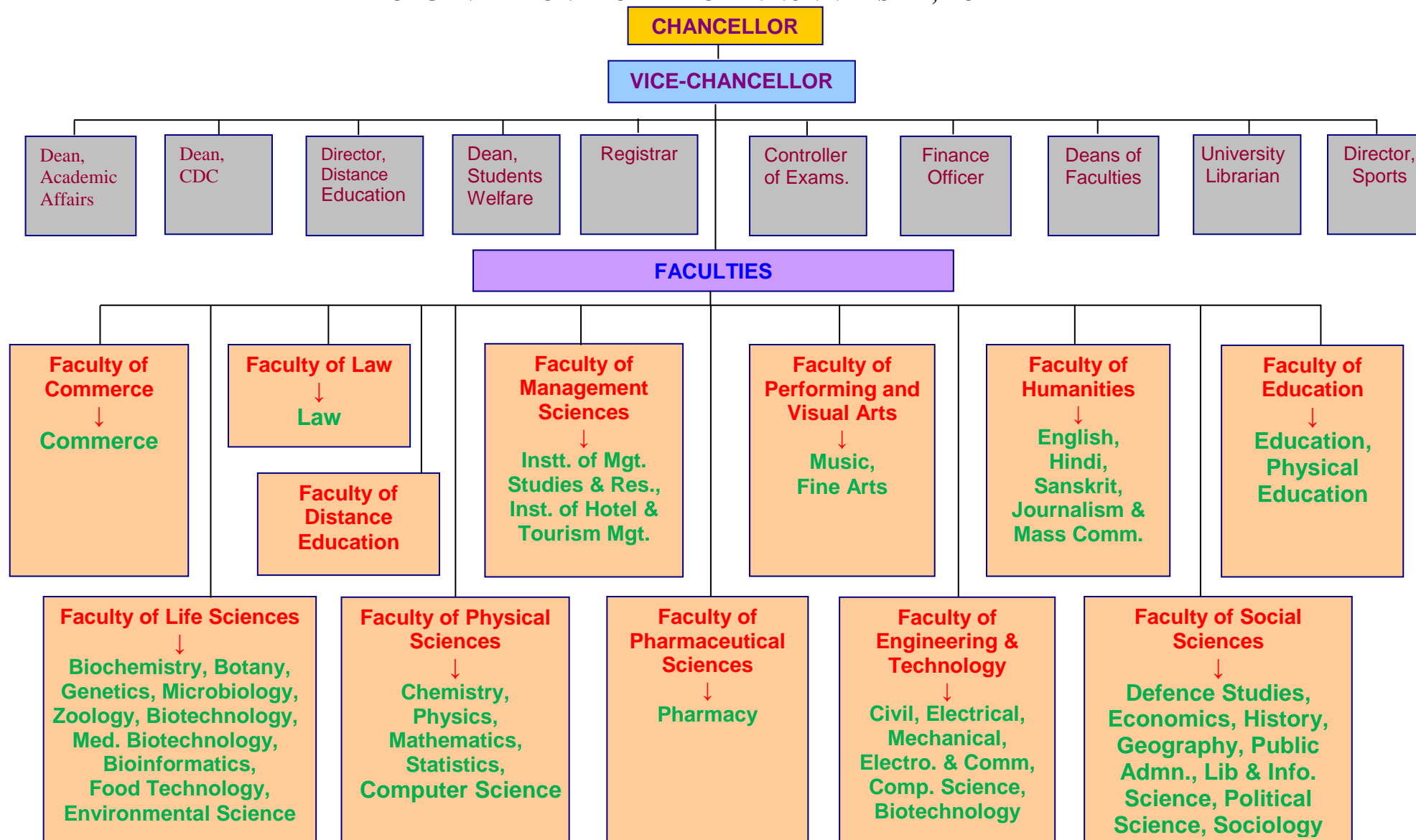
**Meeting held on 5<sup>th</sup> August 2012**

66. Approved new rules of the MDU Sports Council.



(to be made available to the Peer Team during the 'On-site visit')

## ORGANIZATIONAL CHART OF M.D.UNIVERSITY, ROHTAK





**Annexure-6.7****(to be made available to the Peer Team during the ‘On-site visit’)****(COMMITTEES CONSTITUTED FOR VISITS AND) ACADEMIC AND ADMINISTRATIVE PERFORMANCE AUDIT REPORT (2011-2012)**

The Vice-Chancellor constituted a separate committee for each of its teaching departments, University Library System, and administrative units for conducting academic and administrative audit. Each committee consisted of the Dean of the concerned Faculty, and two outside experts nominated by the Vice-Chancellor out of the panels proposed by the Heads of the Departments/University Librarian/Registrar.

This exercise was aimed at self-appraisal of the teaching departments and other organs of the university to assess university’s progress towards the achievement of its goals and objectives, identification of areas for improvement, and preparation of comprehensive plans, strategies and activities for imparting quality education. The Committees visited the University during August – November 2011, the details of which are given in the Table below:

<b>Sr. No.</b>	<b>Name of the Department</b>	<b>Date of visit</b>	<b>of Committee Members</b>
<b>Faculty of Education</b>			
1	Education	17.09.2011	Prof. R.D. Mehta Prof. S.P. Malhotra Dr. (Mrs.) Indra Dhull, Dean, Faculty of Education, MDU, Rohtak
<b>Faculty of Engineering and Technology</b>			
2	University Institute of Engineering & Technology	13.09.2011	Prof. Dharminder Kumar, Dean, Faculty of Engg. & Technology, GJUST, Hisar Prof. Manoj Kumar Duhan, Chairman, Dept. of ECE, DCRUST, Murthal Dr. S.P. Khatkar, Dean, Faculty of Engg. & Tech., MDU, Rohtak
<b>Faculty of Humanities</b>			
3	English & Foreign Languages	08.10.2011	Prof. Bhim Singh Dahiya, Former V.C., KUK Prof. R.C. Sharma Prof. Baldev Singh Mehra, Dean, Faculty of Humanities, MDU, Rohtak
4	Hindi	22.09.2011	Prof. Ramesh Gautam, Dept. of Hindi, Delhi University, Delhi Prof. Mahender Pal Sharma, Dept. of Hindi, Jamia Millia Islamia, Delhi Prof. Baldev Singh Mehra, Dean, Faculty of Humanities, MDU, Rohtak

<b>Sr. No.</b>	<b>Name of the Department</b>	<b>Date of visit</b>	<b>of Committee Members</b>
5	Journalism & Mass Communication	07.10.2011	Prof. Manoj Dayal, Dean, Faculty of Media Studies, GJUST, Hisar Prof. Baldev Singh Mehra, Dean, Faculty of Humanities, MDU, Rohtak Dr. Sarojini Nandal, HOD, Dept. of J&MC, MDU, Rohtak DR. Harish Kumar, Dept. of J&MC, MDU, Rohtak Sh. Sunit Mukherjee, Dept. of J&MC, MDU, Rohtak
6	Sanskrit, Pali & Prakrit	04.10.2011	Prof. Ranbir Singh, Director, Inst. of Indological Studies, KUK Dr. C. Upender Rao, Spl. Centre for Sanskrit, JNU, Delhi Dr. B.S. Mehra, Dean, Faculty of Humanities, MDU, Rohtak
<b>Faculty of Law</b>			
7	Law	16.09.2011	Prof. A.S. Sankhyan, National Law University, Dwarka, Delhi Prof. M.A. Wani, Faculty of Law, GGSIP University, Delhi.
<b>Faculty of Management Sciences</b>			
8	Institute of Management Studies and Research	14.10.2011	Prof. H.L. Verma, Haryana School of Business, GJU, Hisar Prof. Y.P. Singh, D School of Economics, Delhi Prof. H.S. Ghosh Roy, Dean, Management Sciences, and Director, IMSAR, MDU, Rohtak
8	Inst of Hotel & Tourism Management	18.11.2011	Dr. Daleep Singh, Director, IHTM, Maharshi Dayanand University, Rohtak
<b>Faculty of Life Sciences</b>			
9	Biochemistry	13.09.2011	Dr. Shantanu Sen Gupta, Sr. Scientist, IGIB, Delhi Prof. S.N. Mishra, Dean, Faculty of Life Sciences, MDU, Rohtak
10	Centre for Biotechnology	27.09.2011	Prof. G.L. Sharma, IGIB, New Delhi Prof. S.N. Mishra, Dean, Faculty of Life Sciences, MDU, Rohtak Prof. S.K. Gakhar, Director, CBT, MDU, Rohtak Prof. P.K. Jaiwal, Professor, CBT, Maharshi Dayanand University, Rohtak

<b>Sr. No.</b>	<b>Name of the Department</b>	<b>Date of visit</b>	<b>Committee Members</b>
11	Botany	17.09.2011	Prof. H.C. Tripathi, School of Life Sciences, JNU, Delhi Prof. S.N. Mishra, Dean, Faculty of Life Sciences, MD University, Rohtak Prof. Pushpa Dahiya, Head, Dept. of Botany, MDU, Rohtak
12	Environment Sciences	22.09.2011	Prof. (Mrs.) Anubha Kaushik, Dept. of Environmental Sciences, GJUS&T, Hisar Prof. S.N. Mishra, Dean, Faculty of Life Sciences, MDU, Rohtak Dr. Rajesh Dhankhar, Head, Dept. of Environmental Sciences, MDU, Rohtak
13	Food Technology	16.09.2011	Prof. B.S. Khatkar, Dept. of Food Technology, GJUS&T, Hisar Prof. R.S. Dabur, Dept. of Livestock Products Technology, CCSHAU, Hisar Prof. S.N. Mishra, Dean, Faculty of Life Sciences, MD University, Rohtak
14	Genetics	01.10.2011	Prof. J.S. Rana., Head, Dept. of Biotechnology, DCRUS&T, Murthal Dr. S.K. Sangwan, Director, FSL, Madhuban, Karnal Prof. S.N. Mishra, Dean, Faculty of Life Sciences, MD University, Rohtak Dr. J.P. Yadav, Head, Dept. of Genetics, MD University, Rohtak
15	Microbiology	24.09.2011	Dr. V.C. Kalia, Principal Scientist, Instt. of Genomics & Integrative Biology, Delhi Prof. S.N. Mishra, Dean, Faculty of Life Sciences, MD University, Rohtak
<b>Faculty of Pharmaceutical Sciences</b>			
16	Pharmacy	10.09.2011	Prof. Roop K Khar, Jamia Millia Islamia, Delhi Prof. A. K. Nanda, Dean, Faculty of Pharmaceutical Sciences, MD University, Rohtak

<b>Sr. No.</b>	<b>Name of the Department</b>	<b>Date of visit</b>	<b>of Committee Members</b>
<b>Faculty of Physical Sciences</b>			
17	Chemistry	12.09.2011	Prof. N.R. Dhariwal, Dept. of Chemistry, Punjabi University, Patiala Prof. J.K. Sharma, Dept. of Chemistry, GJUS&T, Hisar Prof. N.R. Garg, Dean, Faculty of Physical Sciences, MDU, Rohtak
18	Computer Science and Applications	07.09,2011	Dr. N.P. Singh, MDI, Gurgaon Dr. Dharminder Kumar, Dean, Faculty of Engg. & Technology, CJUS&T, Hisar Prof. N.R. Garg, Dean, Faculty of Physical Sciences, MDU, Rohtak
19	Mathematics	15.09.2011	Prof. Kuldeep Bansal, Dept. of Mathematics, GJUS&T, Hisar Prof. Pradeep Bhatia, Dept. of Mathematics, DCRUST, Murthal Prof. N.R. Garg, Dean, Faculty of Physical Sciences, MDU, Rohtak
20	Physics	09.09.2011	Prof. Avinash Kumar, Director of Academic Affairs, GGIPU, Delhi Prof. Shyam Kumar, Dept. of Physics, KUK Prof. N.R. Garg, Dean, Faculty of Physical Sciences, MDU, Rohtak
<b>Faculty of Social Sciences</b>			
21	Defence & Strategic Studies	-	Prof. K.S. Sidhu, Punjabi University, Patiala Prof. K.S. Sangwan, Dean, Faculty Social Sciences, MDU, Rohtak Prof. R.S. Siwach, Head, Dept. of Defence & Strategic Studies, MDU, Rohtak
22	Economics		Prof. Neera Verma, Dean, Faculty of Social Sciences, KUK Prof. K.S. Sangwan, Dean, Faculty Social Sciences, MDU, Rohtak
23	History	12.10.2011	Dr. Salil Mishra, Dept. of History, Ambedkar University, Delhi Dr. Sunita Zaidi, Dept. of History & Culture, Delhi University, Delhi Prof. K.S. Sangwan, Dean, Faculty Social Sciences, MDU, Rohtak



<b>Sr. No.</b>	<b>Name of the Department</b>	<b>Date of visit</b>	<b>Committee Members</b>
24	Geography	15.09.2011	Prof. Sarawati Raju, JNU, Delhi Prof. M. Mazhar Ali Khan, Jamia Millia Islamia, Delhi Prof. K.S. Sangwan, Dean, Faculty Social Sciences, MDU, Rohtak
25	Library & Information Science	26.08.2011	Prof. Sudhir Arora, University Librarian, IGNOU, Delhi Prof. Ashu Shokeen, Dept. of Lib. & Information Science, KUK Prof. Prem Singh, University Librarian & Prof. & Head, Dept. of Lib. & Information Sc., MDU, Rohtak
26	Political Science	07.10.2011	Prof. Saroj Malik, Prof. (Retd.), Dept. Of Political Science, KUK Prof. Nisar-ul-Haq, Dept. of Politics and Public Administration, Jamia Millia Islamia, Delhi Prof. K.S. Sangwan, Dean, Faculty Social Sciences, MDU, Rohtak
27	Public Administration	07.10.2011	Prof. Suresh Mishra, IIPA, Delhi Prof. Nisar-ul-Haq, Dept. of Politics and Public Administration, Jamia Millia Islamia, Delhi Prof. K.S. Sangwan, Dean, Faculty Social Sciences, MDU, Rohtak
28	Psychology	14.09.2011	Prof. Gopa Bhardwaj, Dept. of Psychology, Delhi University, Delhi Prof. M. Shafiq, Dept. of Psychology, Jamia Millia Islamia, Delhi Prof. K.S. Sangwan, Dean, Faculty Social Sciences, MDU, Rohtak
29	Sociology	03.11.2011	Prof. K.C. Kaistha, Dept. of Sociology, P.U., Chandigarh Prof. K.S. Sangwan, Dean Faculty of Social Sciences, M.D.U., Rohtak Prof. Jitender Prasad, Head, Dept. of Sociology, M.D.U., Rohtak
<b>Faculty of Visual &amp; Performing Arts</b>			
30	Music	15.09.2011	Prof. Krishna Bisht (Retd), Delhi Prof. Najma Parveen Ahmed, Dept. of Music, Delhi University, Delhi
31	Visual Arts	27.09.2011	Prof. Chiter Lekha Singh, Dean, Faculty of Visual Arts, Maglaytan University, Aligarh

<b>Sr. No.</b>	<b>Name of the Department</b>	<b>Date of visit</b>	<b>of Committee Members</b>
32	University Library System	26.08.2011	Prof. Sudhir Arora, University Librarian, IGNOU, Delhi Prof. Ashu Shokeen, Dept. of Lib. & Information Science, KUK Prof. K.S. Sangwan, Dean, Faculty Social Sciences, MDU, Rohtak Prof. Prem Singh, University Librarian, M.D.U., Rohtak
<b>Administrative Audit</b>			
		23.01.2012	Dr. S.P. Vats, Registrar, M.D. University, Rohtak Dr. (Mrs) Sarla Chahal, Member, Haryana State Higher Education Council, Chandigarh Sh. Harjeet Singh, Finance Officer, Kurukshetra University, Kurukshetra

**The academic audit was conducted against the following parameters:**

<b>S.No.</b>	<b>Criteria</b>
1.	<p><b>Curriculum Aspects</b></p> <p>Self-financing programs, if any?</p> <p>Is feedback obtained from the students used for revision in curriculum?</p> <p>Details of the courses where syllabus revision was undertaken</p> <p>Is UGC or national/international model referred while updating curricula?</p> <p>Is there a thrust on ‘Information Communication Technology’?</p> <p>Employability in curricular design</p> <p>Its thrust on national development, experimental learning including practical and work experience</p> <p>Component on value education and social citizenship role</p> <p>Component on women’s issues in the curriculum</p> <p>Range of programs available e.g. degrees, certificates and diplomas</p>
2.	<p><b>Teaching-Learning and Evaluation</b></p> <p>Ratio between applications received and candidates admitted</p> <p>Planning of teaching-evaluation schedule</p> <p>Modern teaching aids in the department</p> <p>Tutorial classes, personal guidance &amp; counselling, departmental lib., etc.</p> <p>Faculty strength and teacher-taught ratio</p> <p>Number of teachers with Ph.D. and M.Phil. as the highest qualification</p>
3.	<p><b>Research, Consultancy and Extension</b></p> <p>Research facility for teachers and students</p> <p>Details of ongoing research projects</p> <p>Collaborative research, if any?</p> <p>Broad areas of consultancy provided by the faculty, if any? And resources generated</p>

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- Any research or extension activity to ensure social justice for the under privileged
- Details of collaboration in research and extension
4. **Infrastructure and Learning Resources**
- Physical facilities
- Maintenance of infrastructure
- Library as learning resource
- ICT as learning resource
- Other facilities such as hostels, sports, workshop/university instrumentation centre
5. **Student Support and Progression**
- Student strength (with break by gender, state). Include data for reserved categories, dropout rate
- Details of students who have cleared UGC-NET, SLET, GATE/GRE/CAT/MAT
- Placement and counselling services
- Alumni Association, if any?
6. **Innovative Practices**
- Innovation in teaching methods, if any?
- Teachers' contribution as resource person in workshops/seminars/conference
- Teachers' participation/ presentation of papers in workshops/seminars/conferences
- How is the performance of the students monitored?
- Is the method communicated to the students?
- 

Each Committee was provided with a department/office portfolio containing all details on the above aspects. After examining the audit portfolio and other information asked for, the committee interacted with the stakeholders during its visit to seek verification of information provided in the portfolio.

The committees complimented the University for delivering on its educational commitments and distinctive contribution to university education. The audit reports commended good practices being followed, and initiatives taken by the university in its efforts for continuous improvement of quality in the areas identified by the Internal Quality Assurance Cell (IQAC) as the focus of academic pursuits. The reports speak high of the Deans of Faculties and the Heads of various University Teaching Departments for their responsiveness, agility, and leadership in developing and implementing strategies which further the vision and mission of the University.

The audit reports also noted the University's strengths in preparing students for professional practices and employment. The reports also took note of the value accorded to these practices by the students and employers. Drawing on data from 'Students Feedback Proforma' of the University, the committees noted that students had rated almost all the teaching departments high, particularly with regard to interaction in the class. Students applauded the teaching faculty for always being accessible and approachable. However, the student-teacher ratio needs to be improved in order to strengthen the teaching process.

The committees also interacted with the students - the prime stakeholders. The students expressed their satisfaction and pride in the university for its academic breadth and diversity, and for its reputation for research and research-intensive teaching. Distinctiveness features of the University are ingrained in the advantages enjoyed by Rohtak city in terms of its close proximity to Delhi, the national capital, and expanding opportunities for employment. Many companies and industries are based in the National Capital Region. Frequent interaction with their representatives is welcomed by both staff and students. The students also recognise the University as a safe place for serious study.

The audit reports took note of significant progress made by the University in improving its research capabilities and expanding its infrastructure, including staff and resources. The focus of the University on increasing research productivity and reputation as well as developing postgraduate study and support for students was affirmed by the Academic Audit Committees.

Though committees have remarked positively on the University's quality framework and noted its overall commitment to ongoing quality enhancement, some recommendations have been made to improve upon the existing teaching, research and infrastructural facilities. Some major recommendations of the Academic Audit Committees are given hereunder:

- The University should fill up the teaching and non-teaching staff positions, wherever vacant and urgently required, at the earliest.
- Laboratories, particularly in science teaching departments, need further strengthening by addition/upgradation of equipments as per the dynamic work scenario.
- Language Lab may be established to improve the communication skills of the students.
- The University should introduce Choice-based Credit System in remaining faculty viz., Pharmacy, Physical Sciences, Social Sciences and Humanities.
- The University may introduce periodic colloquium by the faculty in the teaching departments in order to keep the students abreast of the latest developments in the field of research.

Overall, these committees acknowledged the concern and commitment of staff, commended the teaching and learning approaches, recognised the pursuit of research programmes, admired infrastructural facilities and support services, lauded students' personality development programmes through various students activities, and appreciated the staff on their understanding of the relevance of ethics and the extent to which these are embedded into core activities of the university.

Sd/-  
Director  
Internal Quality Assurance Cell

(to be made available to the Peer Team during the 'On-site visit')

**CITIZEN CHARTER: Details of Services Provided by Various offices of the University**

<b>S. No.</b>	<b>Name of the Office</b>	<b>Services/Jobs Rendered</b>	<b>Officer concerned/ Telephone Nos.</b>
<b>A. Academic And Administrative Offices</b>			
1.	Establishment i) Teaching ii) Non-Teaching	All establishment/ services matters of the University Employees	Asstt. Registrar/ Supdt. Incharge 0126-266390
2.	Academic Branch	Admissions, Syllabi, Clarification of Rules, Meetings of Court, Executive Council, Academic Council, Faculties, Boards of Studies, all other academic matters	Branch Officer 01262-292354
4.	Registration & Scholarships	Registration of students, Scholarships, Ph.D. Regn. Award of URS., Migration Certificates, Fellowship, Stipends	Branch Officer 01262-272477
5.	Purchase & Stores	All kinds of purchases, including stationary, maintenance of stores and issue of stores	Branch Officer 01262-266953
6.	Publications & Enquiry	Attending to enquires sale of prospectuses, forms other university publications	Branch Officer 01262-279462
7.	University Press	Printing press of the university	Press Manager 01262-393039
8.	Engineering Branch	All construction works, Maintenance work, Including Electrical, Public Health	Executive Engineer 01262-393185
9.	Health Centre	Medical care of students, employees	Sr. Medical Officer 01262-393027
10.	Sports Office	Sports activities of students	Director, Sports 01262-303126
11.	Watch & Ward	Security arrangements on the campus	Controller, Security 99961-23021
<b>B. Colleges Development Council</b>			
1	Colleges Branch	Affiliation of Colleges, Election of Governing Bodies, Selections in Colleges and other matters related to affiliated colleges	Dy. Registrar 01262-274532

<b>C. Examinations</b>			
1	Results Branches Result-I Result-II Result-III Result-IV	Examination forms, and all enquiries relating to results, DMCs Degrees, Provisional Certificates, result gazettes, etc.	Assistants: R-I: 01262-266454 R-II: 01262-266463 R-III: 01262-266475 R-IV: 01262-215573
2.	Conduct Branch	Conduct of Theory Examinations, Practical Examinations, UMC Cases, etc.	Branch Officer 01262-274460
3.	Secrecy Branch	Paper Setting, Evaluation of Answer Books, Ph.D. Thesis	Branch Officer 01262-292534
4.	Re-Evaluation Branch	Re-evaluation of Answer Books	Asstt. Registrar 01262-292534
5.	Certificate Section	Issue of Duplicate DMCs/Degrees	Asstt Registrar
<b>D. Hostels</b>			
1	Girls Hostels	All Girls Hostels matters	Concerned Wardens i) 98122-24027 ii) -do- iii) 99963-03937 iv) 94169-45933
2.	Boys Hostels	All Boys Hostel matters	Concerned Wardens i) 94669-01134 ii) 94162-28782 iii) 98960-01262 iv) 94677-17225 v) 94665-03909
<b>E. Library Services</b>			
	i) Vivekananda Library	All Library matters	Librarian 01262-393004
	ii) Departmental Libraries	All matters of Departmental Libraries	Concerned Head of Department
<b>F. Accounts</b>			
1.	Accounts Branch	All accounts matters, including fee, salaries, loans, remuneration, TA, LTC, Medical Reimbursement, pension etc.	Finance Officer 01262-295258
<b>G. Students Welfare</b>			
1.	Directorate of Students and Youth Welfare	Cultural activities and other students' matters	Director, Youth Welfare 01262-393430
<b>H. Students' Discipline</b>			
	Proctor	All matters related to students' discipline	Proctor 01262-393400

**Time Limits for Providing Services**

<b>S. No.</b>	<b>Name of Service</b>	<b>Time Limit</b>	<b>Name of Office</b>
1.	Issue of Duplicate DMCs.	10 Days	Asstt. Registrar
2.	Issue of Provisional Certificate	7 Days	R-I Branch 01262-266454
3.	Issue of Duplicate Degree	20 Days	R-II Branch 01262-266463
4.	Issue of Transcript	7 Days	R-III Branch 01262-266475
5.	Correction of DMC	20 Days	R-IV Branch 01262-215573
6.	Verification of Result	10 Days	Concerned Branch Officer
7.	Re-evaluation Results	90 Days	Branch Officer 01262-292534
8.	Settlement of 'Result Late' cases	15 Days	Asstt. Registrar
9.	i) Issue of Inter-University Migration Certificate (By Hand)	Same day	R&S Branch
	ii) Issue of Inter University Migration Certificate (by Post)	10 days	
10.	i) Issues of Duplicate Inter University Migration Certificate (By Hand)	Same Day	
	ii) Issue of Duplicate Inter University Migration Certificate (By post)	10 Days	01262-272477
11.	Inter College Migration Certificate	10 Days	
12.	Restoration of Old Regn No. By Hand	Same Day	
13.	Restoration of Old Regn. No. By Post	10 Days	
14.	Correction in Regn. Particulars by Hand	Same Days	
15.	Correction in Regn. Particulars by Post	10 Days	
16.	Scholarship Related matters	10-15 Days	
17.	Forwarding of Joining Reports of JRF/Scholarship	10 Days	
18.	Extension in submission of Ph.D. Thesis/URS/Leave to URS/Regn. Etc.	10 Days	

### **Important Information**

In case of problems not resolved at the Branch level, the following Officers may be contacted:

<b>S. No.</b>	<b>Services/Jobs Rendered</b>	<b>Officer to be contacted</b>	<b>Telephone</b>
1.	All matters related to administration, academics, regn., admissions, scholarships, security, sanitation, electricity, water, etc.	Registrar	01262-274640
2.	All matters related to conduct of examinations., results including late result cases, DMCs, degrees, verification of document etc.	Controller of Examinations	01262-274169
3.	Cultural activities, sports, and other students' problems	Dean, Students Welfare	01262-393430
4.	All matters related to Girls' hostels	Provost (Girls)	98961-76343
5.	All matters related to Boys' hostels	Provost (boys)	94164-76900

**Note: -**

1. Students/applicants are requested to ensure that the application being submitted is complete and it is accompanied by the original fee receipts for the exact fee prescribed.
2. For seeking Inter-University Migration Certificate/Duplicate Inter-University Migration Certificates/Restoration of Old Regn. No./Correction in Regn. Particulars, the required amount of fee may be deposited.
3. For settlement of 'Results Late' cases, the students, if shown 'Absent' wrongly, should submit application indicating the name of 'exam., roll no, exam. centre, name of paper/subject, date of exam. etc.', immediately.
4. Where a student has deposited less fee, and he /she is required to remit the balance fee, he/she should submit the required fee in the shape of bank draft drawn in favour of the Finance Officer, M.D. University, Rohtak or in cash at the University Cash Counter with an application giving reference of the university letter and particulars about which the fee is being deposited.



# MAHARSHI DAYANAND UNIVERSITY ROHTAK (HARYANA)



## Self Study Report

(Volume-II)

for

Re-assessment and Re-accreditation

by

National Assessment and Accreditation Council Bangalore

December 2012

# Contents

	<b>Page No.</b>
<b>EVALUATIVE REPORTS AND PUBLICATIONS</b>	
<b>I Faculty of Commerce</b>	
a) Department of Commerce	1-10
<b>II Faculty of Education</b>	
a) Department of Education	11-26
b) Department of Physical Education	27-39
<b>III Faculty of Engineering and Technology</b>	
a) University Institute of Engineering & Technology	40-54
<b>IV Faculty of Humanities</b>	
a) Department of English and Foreign Languages	55-63
b) Department of Hindi	64-73
c) Department of Journalism and Mass Communication	74-82
d) Department of Sanskrit, Pali and Prakrit	83-92
<b>V Faculty of Law</b>	
a) Department of Law	93-105
<b>VI Faculty of Life Sciences</b>	
a) Centre for Bioinformatics	106-113
b) Centre for Biotechnology	114-125
c) Centre for Medical Biotechnology	126-133
d) Department of Biochemistry	134-143
e) Department of Botany	144 -154
f) Department of Environmental Science	155-168
g) Department of Food Technology	169-177
h) Department of Genetics	178-192
i) Department of Microbiology	193-205
j) Department of Zoology	206-216










<b>VII</b>	<b>Faculty of Performing and Visual Arts</b>	
	a) Department of Music	217-227
	b) Department of Visual Arts	228-236
<b>VIII</b>	<b>Faculty of Pharmaceutical Science</b>	
	a) Department of Pharmaceutical Science	237-248
<b>IX</b>	<b>Faculty of Physical Sciences</b>	
	a) Department of Chemistry	249-259
	b) Department of Computer Science and Applications	260-271
	c) Department of Physics	272-283
	d) Department of Mathematics	284-301
	e) Department of Statistics	302-312
<b>X</b>	<b>Faculty of Management Sciences</b>	
	a) Institute of Hotel and Tourism Management	313-327
	b) Institute of Management Studies and Research	328-340
<b>XI</b>	<b>Faculty of Social Sciences</b>	
	a) Department of Defence and Strategic Studies	341-349
	b) Department of Economics	350-358
	c) Department of Geography	359-369
	d) Department of History	370-379
	e) Department of Library and Information Science	380-388
	f) Department of Political Science	389-397
	g) Department of Psychology	398-415
	h) Department of Public Administration	416-427
	i) Department of Sociology	428-437
<b>XII</b>	<b>University Institute of Law and Management Studies (ULIMS), Gurgaon</b>	438-447
<b>XIII</b>	<b>Indira Gandhi Postgraduate Regional Centre (IGPRC), Rewari</b>	448-459









## Evaluative Report Department of Commerce

1. **Name of the Department :** Commerce
2. **Year of establishment:** 1976
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Com, M.Com (Hons), M.Phil., Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	<b>1</b>	<b>1</b>
<b>Associate Professors</b>	<b>2</b>	<b>2</b>
<b>Assistant Professors</b>	<b>16</b>	<b>14</b>

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. R. Vinayek	Ph.D.	Professor	Marketing	37	09	
Dr. M.S. Malik	Ph.D.	Professor	Accounting & Finance	34	06	
Dr. S.D. Vashishtha	Ph.D.	Professor	Accounting & Gen. Mgt.	33	07	
Dr. S.S. Chahal	Ph.D.	Professor	Taxation, Tax Planning Corporate Law & Gen. Mgt.	37	10	
Dr. Narender Kumar	Ph.D.	Professor	Marketing & Financial Mgt.	29	10	
Dr. (Mrs.) Geeta Manmohan	Ph.D.	Associate Professor	Statistics & HRM	34	--	
Dr. R.R. Saini	Ph.D.	-do-	Business Environment & Financial Mgt.	18	01	
Dr. Rajpal Singh	Ph.D.	-do-	Gen. Mgt. & Accounting	17	06	
Mrs. Raman Malhotra	M.Com	-do-	HRM & Business Law	28	--	

Dr. Sanjiv Kumar	Ph.D.	-do-	Accounting & Statistics	26	02	
Dr. Kuldip Singh	Ph.D.	-do-	Finance & Gen. Mgt.	24	--	
Sh. Tilak Raj	M.Phil	-do-	Accounting & Corporate Law	21	--	
Dr. Vazir Singh	Ph.D.	-do-	Auditing & Gen. Mgt.	21	--	
Dr. Seema Rathee	Ph.D.	Asstt. Professor	Accounting & Finance	01	--	
Sh. Shakti Singh	M.Phil	-do-	Accounting & Finance	07	--	
Sh. Manoj Kumar	M.Com/ MBA	-do-	Finance & Marketing	02	--	
Ms. Priti Sharma	M.Phil	-do-	Finance & Mgt.	01 Month	--	
Ms. Parkashwati	MCA	Computer Instructor	Computer Application	26	--	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information**

Nil

**14. Programme-wise Student Teacher Ratio:**

22:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	-	-
Administrative staff	01	03

- 16. Research thrust areas recognized by funding agencies:** Finance, Marketing, Gen. Management
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**
- One major project of 5.69 lacs funded by UGC
- 18. Inter-institutional collaborative projects and grants received** Nil
- a) All India collaboration  
b) International
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:** Nil
- 20. Research facility / centre with /** Yes
- state recognition
  - national recognition
  - international recognition
- 21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil
- 22. Publications: (from 2008-2012)**
- \* Number of papers published in peer reviewed journals (national / international): 50/10
  - \* Monographs: 04
  - \* Chapters in Books: Nil
  - \* Edited Books: 15
  - \* Books with ISBN with details of publishers: 02
- ✚ “Basic of Cost Accounting” by Sanjiv Chachra & Gaurav Insan, Publisher and Distributors, Real Foundation India, Rohtak. (ISBN: 10- 81- 903952-5-4)

- ✚ “Bime: Ak Naveen Vichardhara” by Dr. D.S. Dahiya & Sanjiv Kumar,  
 Publisher: Sanjay Prakashan, Ansari Road, New Delhi (ISBN: 81-7453-235 -8)
- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** Nil
- \* **Citation Index – range / average:** Nil
- \* **SNIP:** Nil
- \* **SJR:** Nil
- \* **Impact Factor – range / average :** Nil
- \* **h-index:** Nil
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
- 26. Faculty serving in**
- a) **National committees:** 04
- b) **International committees:** --
- c) **Editorial Boards:** 04
- d) **any other (please specify):** 01(Referee)
- 27. Faculty recharging strategies**
- Yes, the Department organizes various faculty development programmes in the form of conferences, seminars and workshops on latest research techniques for recharging its faculty, from time to time.
- 28. Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**  
 ✚ 100% in Hons. Programme.
  - **percentage of students doing projects in collaboration with other universities / industry / institute**  
 ✚ N.A.



**29. Awards / recognitions received at the national and international level by:**

- Faculty: Nil
- Doctoral / Post-doctoral fellows: Nil
- Students: Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- One National Conference, 5 workshops and 10 Extension Lectures funded by UGC/ICSSR/MDU.

**31. Code of ethics for research followed by the departments**

- Citing the findings of research in the department.
- The National issues are referred to the various departments in the ministry

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)		Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M.Com	2008-09	117	14	38	100%	100%
	2009-10	228	23	67		
	2010-11	444	21	53		
	2011-12	506	15	45		
M.Com (Hons.)	2008-09	53	20	10	100%	100%
	2009-10	75	22	38		
	2010-11	139	36	35		
	2011-12	213	23	37		
M.Phil/ Pre-Ph.D.	2008-09	105	05	05	100%	100%
	2009-10	79	06	04		
	2010-11	343	04	06		
	2011-12	350	03	12		

**33. Diversity of students:**

Name of the Course(refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Com.	90%	10%	-	-
M.Phil.	80%	20%	-	-

**34.** How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- UGC-NET: 40
- Indian Revenue Services: 01

**35.** Student progression

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	40%
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	10%
• Other than campus recruitment	60%
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	67%
from other universities within the State	17%
from universities from other States	16%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** 02

**38.** Present details of infrastructural facilities with regard to

- |   |                 |
|---|-----------------|
| a) <b>Library</b>                                     | Central library |
| b) <b>Internet facilities for staff and students:</b> | Yes             |
| c) <b>Total number of class rooms :</b>               | 07              |
| d) <b>Class rooms with ICT facility:</b>              | Nil             |
| e) <b>Students' laboratories:</b>                     | 01              |
| f) <b>Research laboratories:</b>                      | Nil             |

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host university:** 30 (Doctoral)

✚ Harish Kumar, Nisha, Archana, Dinesh, Vijay Singh, Savita, Hari Om, Rachna, Rajesh Kumar, Priti, Ruchika, Preeti Jain, Kavita, Sunita Arora, Anu Priya, Radha Rani, Tilak Raj, Kritika, Anand Singh, Ritu, Manmeet Kaur, Sonia, Deepti Sharma, Sangeeta Rani, Kavita Rani, Rekha Grewal, Suraksha, Viney, Seema Garg, Hardeep

**b) from other universities:** 11(Doctoral)

✚ Priyanka, Sanjiv, Shweta, Nath, Vanita, Vijay, Shaveta, Ishani Patheria, Reena Rani, Rashmi Chhabra, Kusum, Sheshma

**40. Number of post graduate students getting financial assistance from the university.**

- 09 per year

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- Staff Meetings and workshops were held for developing new programmes.

**42. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

For improvement in the syllabus and curriculum workshops and Board of Studies meeting are held regularly.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Try to include the methodology of teaching after getting the data from the students feedback tables.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Try to include the methodology of teaching after getting the data from the employees and alumni feedback comments.

**43. List the distinguished alumni of the department (maximum 10):**

- Mr. Rajesh Gahlawat
- Dr. Sumanjeet

- Mr. D.P. Singh
- Dr. Jaipal Sharma
- Mr. SanketVij
- Dr. Vipul
- Mr. Pankaj
- Dr. Ravi Kumar Gupta
- Dr. (Mrs.) Sunita
- Mrs. Deepti

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Special Lecture delivered: 12

**45. List the teaching methods adopted by the faculty for different programmes.**

- Class Room lectures as well as LCD projector, field work teaching, Personality Development.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Feed-back from the students taken and regular class test, seminar etc.

**47. Highlight the participation of students and faculty in extension activities.**

- Attend the seminars, conferences, go to the field works for research.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Research Publications and Preparation for Civil Services and other such programmes.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- No.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The Department includes in its curricula, from time to time, the latest developments in the area and hence, contributes a lot through updating its teachers and students.

**51. Future plans of the department.**

- To establish Indian Institute of Commerce on the pattern of IIMs.
- To introduce highly customized programmes for the big industrial houses
- To establish a Commerce Museum
- To Introduce College/Institute specific Programmes

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

A Strong team of learned and experienced teachers, well equipped with latest teaching skills and methods, having a vibrant experience in research & development and hence involving always the students of the department in various research and other personality development programmes, helping them in attaining good positions and jobs in various fields

**B) Weakness:**

The poor language of the students, particularly of those belonging to rural areas, and lack of required funds to conduct and organize more programmes, workshops etc. for the development of the department

**C) Opportunities:**

The department has ample opportunity to diversify itself into various branches of knowledge and groom itself in the favour of faculty with the due support of authority

**D) Challenges:**

To attain the above said opportunity, it requires huge funds, buildings, furniture, staff etc. which can be considered as a big challenge before the department









## Evaluative Report Department of Education



1. **Name of the Department :** Education
2. **Year of establishment:** 1983
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.A. (Education), M.Ed., M.Phil.  
Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** Nil
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** Nil
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	04	04
Associate Professors	01	01
Asst. Professors	05*	04

\*One on deputation

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Hemant Lata Sharma	M.Sc. (Botany) M.Ed., M.Phil Ph.D. Diploma in Distance Education	Professor & Head	Educational Technology, Distance Edu. Teacher Edu., Research Methodology & Statistics	24	14	
Dr. Indira Dhull	M.A. (English), M.Ed. Ph.D.	Professor & Dean	Educational Psychology, Value Edu.& Teacher Edu.	24	10	
Dr. A. K. Kalia	M.A.(Socio), M.A. (Distance Edu), M.Ed., Ph.D.	Professor	Educational Psychology, Distance Edu.& Research Methodology	24	06	
Dr. Madhu Gupta	M.A.(Eco), M.Ed., M.Phil, Ph.D.	Professor	Teacher Behavior& Special Edu.	24	07	
Dr. Jitender Kumar	M.A.(Socio), M.A. Ph.D.	Associate Professor	Sociological Foundations of Edu., Educational Technology & EVG	10	--	
Dr. Neeru Rathee	M.A.(Maths) /M.Ed., Ph.D.	Assistant Professor	Educational Technology & Teacher Edu.,	4.5	--	
Dr. Madhuri Hooda	M.Sc.(Chem) M.Ed., Ph.D.	Assistant Professor	EVG, Special Education, Comparative Education& Curriculum Development	5.25	--	
Dr. Umender Malik	M.Sc. & M.Phil (Botany) M.Ed., Ph.D.	Assistant Professor	EVG & Educational Technology	4	--	

Ms. Sarita	M.A. (History, Hindi), M.Ed, M.Phil	Assistant Professor	EVG, & Special Education Educational Technology	4	--	
Dr. Anu	M.A. (English) M.Ed., Ph.D.	Assistant Professor (On Deputation)	Educational Philosophy, EVG	5	--	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:** 14:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	01	-
Administrative staff	03	03

**16. Research thrust areas recognized by funding agencies:**

- Nil

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

- Nil

**18. Inter-institutional collaborative projects and grants received** Nil

- All India collaboration
- International

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

- Nil

**20. Research facility / centre with /** Nil

- state recognition
- national recognition
- international recognition



**21. Special research laboratories sponsored by / created by industry or corporate bodies**

- Nil

**22. Publications: (from 2008-2012)**

- |   |      |
|---|------|
| * <b>Number of papers published in peer reviewed journals (national / international):</b><br>List of Journal Annexure-III to be placed before NAAC team during visit.                             | 91/4 |
| * <b>Monographs:</b>  | Nil  |
| * <b>Chapters in Books:</b>   | 02   |
| * <b>Edited Books:</b>  | Nil  |
| * <b>Books with ISBN with details of publishers: 06</b>   |      |
| (i) Prof. (Mrs.) Hemant Lata Sharma   |      |
| • Learning to Learn with Love: Theory and Practice of Co-operative Learning by Gagandeep Publications New Delhi. (2010), (ISBN:978-81-88865-56-7)   |      |
| • IEC Package on AIDS Awareness: Empowerment of Disadvantaged Adolescent by Amit Prakashan, Jalandhar (2011), (ISBN No.:978-81-921817-0-7)  |      |
| (ii) Prof. (Mrs.) Indira Dhull  |      |
| • Shikshan evam Adhigam ka Manovigyan by Aggarwal Publications (2009) (ISBN No: 978-93-81124-32-1)  |      |
| • Learner, Learning and Cognition by Aggarwal Publications (2011) (ISBN No: 978-93-80510-34-7)  |      |
| (iii) Prof. A.K. Kalia  |      |
| • Psychology of Education by Global Vision Publications, New Delhi. (2008) (ISBN No: 978-81-8220-212-2)   |      |
| • Counseling: Theory, Research and Practice by Global Vision Publications, New Delhi (2008) (ISBN No: 978-81-8220-211-5)  |      |
| * <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b> | Nil  |
| * <b>Citation Index – range / average:</b>  | Nil  |
| * <b>SNIP:</b>  | Nil  |
| * <b>SJR:</b>   | Nil  |

\* **Impact Factor – range / average :** Nil

\* **h-index:** Nil

**23. Details of patents and income generated:**

Sr. No.	Name of the Patent	Publisher	Year	Income generated
1.	Academic Cheating Scale (ACS)	Harparsad Institute of Behavioural Science, Agra	2011	NIL
2.	General Well-Being Scale (GWBS)	National Psychological Corporation, Kacheri Ghat, Agra	2011	NIL
3.	Socio-Economic Status Scale (SES)	National Psychological Corporation, Kacheri Ghat, Agra	2012	NIL

**24. Areas of consultancy and income generated** Nil

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**

- Nil

**26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**

**(i) Professor Hemant Lata Sharma is/had been:**

**Chairperson/Member of the Councils/Boards/Committees of the Universities**

- Faculty of Education, University of Rajasthan, Jaipur
- VC Nominee/Subject Expert on Selection Committees for Selecting Faculty in Department and affiliated colleges of Education (Patiala University, Patiala/ MDU/ KUK/ CDLU)
- Member Advisory Committee Manav Group of Institutions, Faridabad

**Member of Expert Committee**

- National Assessment and Accreditation Council (NAAC) Peer Team, Bangalore
- Distance Education Council (DEC) IGNOU.
- NRC (Jaipur), WRC (Bhopal), NCTE

**Member Academic Associations**

- Vice President- Council for Teacher Education(Haryana State Chapter)
- Life Member – All India Association for Educational Research (AIAER)
- Life Member – Indian Association of Teacher Educators (IATE)

**(ii) Professor Indira Dhull is/had been:****Chairperson/Member of the Councils/Boards/Committees of the Universities**

- Expert Member UG/PG Board of Studies, Kurukshetra University, Kurukshetra, Ch. Devi Lal University, Sirsa and BPS Women University, Khanpur, Sonapat
- Governor Nominee, Court, Ch. Devi Lal University, Sirsa

**Member of Committees Constituted by University Grants Commission**

- Member inspection teams for conferring the status of autonomous colleges and Deemed Universities.
- Member UGC XI Plan Committee for recommending allocation of Budget to various Universities
- Expert UGC Travel Grant Committee
- Member Major & Minor Projects evaluation committee
- Member Selection Committee for award of Commonwealth Fellowships
- UGC Observer to oversee the selection process under CAS in various Universities.
- Member of the National Assessment and Accreditation Council (NAAC) Peer Team

**(iii) Professor A. K. Kalia is/had been:****Member of the Councils/Boards/Committees of the Universities**

- Member, Commonwealth Council for Educational Administration, Australia.
- Life member, Member, Research board of Advisories, American Bibliographical institute, North Carolina, USA.
- Member UG board of studies CDLU, Sirsa.
- Expert member NRC (Jaipur) NCTE.

**27. Faculty recharging strategies**

- Organization of Seminars, Conferences and Workshops by the faculty.
- Participation of faculty in Orientation and Refresher Programmes organized by UGC Academic Staff Colleges to refresh their knowledge and update with latest trends.
- Participation in Discussion in Departmental Research Committee on research proposals and all other Professional Activities.
- Representing university in conferences organized both at national and international level by different professional bodies. Interaction with participants in these conferences helps in broadening the mental horizon and provides opportunities to observe the latest trends going in the discipline.

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects

✚ Nil

- percentage of students doing projects in collaboration with other universities / industry / institute

✚ Nil

**29. Awards / recognitions received at the national and international level by:**

- Faculty: Nil
- Doctoral / Post-doctoral fellows: Nil
- Students: Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Seminar/ Conferences / Workshop	Number of Days	Date	Participants	Funding Agency
Revitalizing Teacher Education	Two Days Seminar	10 <sup>th</sup> -11 <sup>th</sup> March, 2011	B.Ed. College teachers and Research Scholars	Radhakrishnan Fund & Participants Fees
Use of SPSS in Social Science Research	Two Days Workshop	25 <sup>th</sup> -26 <sup>th</sup> Feb., 2012	College teachers, Research Scholars & Students	Participants Fees only
Research Methodology	Seven Days Workshop	7 <sup>th</sup> -13 <sup>th</sup> Nov., 2011	Teachers and Research Scholars of different disciplines from different states	ICSSR, North Western Regional Center, Panjab University, Chandigarh
National Curriculum Framework for Teacher Education, 2009	Two Days Orientation Programme	26 <sup>th</sup> -27 <sup>th</sup> Feb., 2011	B.Ed. College teachers and students	Merge Grant Scheme of U.G.C.
Need Based Model for Improving Quality of Evaluation in Semester System	One Day Workshop	23 <sup>rd</sup> May, 2009	Principals & Teachers from B.Ed. Colleges	Radhakrishnan Fund

**31. Code of ethics for research followed by the departments:**

- Yes, Educational Research mainly deals with HUMAN SUBJECTS. While conducting research, researchers respect human

✚ Dignity

✚ Autonomy

✚ Privacy

✚ Confidentiality

- Researchers strive to avoid biasness and discrimination on the basis of sex, race, ethnicity or other factors. Data, results, methods and procedures are honestly reported and are open to criticism and new ideas. Contributions made by other researchers in the discipline are acknowledged.

- Researches in Education
  - ✚ Promote social skills, life skills and teaching skills.
  - ✚ At the same time, mitigate the feeling of isolation of researchers by exchanging findings.
  - ✚ Promote welfare of society

### 32. Student profile course-wise:

Admissions are done through JNU common entrance test

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Ed.(Centralized)/35	3597	9	26	100	
M.A.(P+F)/65	567	19	46	54.6 (upto 2010)	
M.Phil./10		0	10	100	
Pre-Ph.D./5		02	03	100	

### 33. Diversity of students:

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Ed.	82	3	15	-
M.A.	98	2	-	-
M.Phil	100	-	-	-
Pre-Ph.D.	80	20	-	-

### 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Examination	Qualified
NET/CSIR/UGC	25

### 35. Student progression

Student Progression	Percentage%
UG to PG*	12.5%
PG to M.Phil.*	18.55%
PG to Ph.D.	4.82%
Ph.D. to Post-Doctoral	N.A.

Employed Campus selection Other than campus recruitment	- 99
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	<b>70%</b>
from other universities within the State	<b>20%</b>
from universities from other States	<b>10%</b>
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** 01 (Ph.D.)

**38. Present details of infrastructural facilities with regard to**

- |   |                                      |
|---|--------------------------------------|
| a) <b>Library</b>                                     | Departmental Library with 1800 books |
| b) <b>Internet facilities for staff and students:</b> | 100%                                 |
| c) <b>Total number of class rooms :</b>               | 03                                   |
| d) <b>Class rooms with ICT facility:</b>              | 01                                   |
| e) <b>Students' laboratories:</b>                     | 03                                   |
| f) <b>Research laboratories:</b>                      | 03                                   |

**39. List of doctoral, post-doctoral students and Research Associates**

From (2008-12)	Guided	Registered
a) <b>from the host university:</b>	30	14 (Doctoral)
b) <b>from other universities:</b>	07	18 (Doctoral)

**40. Number of post graduate students getting financial assistance from the university.**

- 27

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- Pre-Ph.D. course has been introduced in the last session. The local needs and Apex Body guidelines (UGC/NCTE) were kept in mind when the department had launched PG programmes.

**42. Does the department obtain feedback from****a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

Views and suggestions are obtained from faculty working in different colleges of Education/Department of Education by inviting them in Orientation Programmes and Group Meetings. Departmental Committee Meetings, Academic Auditing of the Department and PG/UG Board of Studies are few other platforms where discussions on various academic issues with academic peers help in getting realistic feedback which is duly taken care of while framing and deciding teaching-learning evaluation procedures.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

At the end of each semester, every student is asked to fill up the 'Feedback Proforma' which assesses the teachers in following four areas:

- + Course coverage
- + Articulation and Comprehensibility
- + Accessibility outside class
- + Handling of students grievances and library support.

Feedback received from students is analyzed carefully and areas are identified where more inputs are required on the part of faculty. Suggestions from students on curriculum and teaching-learning evaluation help the department in modifying various methods and strategies of interacting with students,

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

Feedback from our Alumni Association named TEACH i.e. "Teacher Educators Association for Cooperation & Harmony" is taken on all the programmes being run by the Department. As a result, significant changes have been made in the library, labs and ambience. A gallery of great educationists, philosophers, psychologists and visionary has been portrait in the Department as a value addition reminds students daily about the contributions made by them.

Face to face (F2F) interaction with alumni provides students opportunities to shape

up their future plans of career. Alumni occupying administrative positions serve as a source of inspiration to departmental students.

**43. List the distinguished alumni of the department (maximum 10):**

- Dr. Anita Rastogi, Professor, IGNOU, Delhi
- Dr. R C Sharma, Deputy Director, IGNOU, New Delhi
- Dr. M.S. Chahar, Principal, C.R. College of Education, Rohtak
- Dr. Surender Dahiya, Director, SIE, Chandigarh
- Dr. Sharad Sinha, Associate Professor, NCERT, New Delhi.
- Dr. Rachna Jain, Deputy Director, ICSSR, Delhi
- Dr. Abha Bhatnagar, Assistant Registrar, I.P. University, Delhi

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Extension Lectures Delivered by:-
  - ✚ Prof. Talat Aziz, J.M.I. New Delhi on Recent Trends in Education on 18.01.2011.
  - ✚ Prof. B.S. Dagar on Four Philosophies in Education on 21.02.2011.
  - ✚ Dr. Arvind Kumar Jha, Assistant Prof. R. B. S. College of Education, Rewari on Constructivism on 04.04.2011.
  - ✚ Prof. S.P. Malhotra on Research Methodology on 25.04.2011.
  - ✚ Prof. R. D. Mehta on Experimental Design 18.08.2011.
  - ✚ Prof. Harmesh Lal on Integration of ICT in Teacher Education on 29.09.2011.
  - ✚ Prof. Gauri Srivastva on Gender Sensitization on 01.10.2011.
  - ✚ Prof. R. S. Khan (Former Vice chairman, NCTE) on Qualitative Research on 19.12.2011.
  - ✚ Prof. B. S. Dagar on Dynamic Side of Philosophy on 5. 03. 2012.
  - ✚ Prof. Vandana Mehra (Panjab University, Chandigarh) on ‘How to be a Good Researcher’ on 14.03. 2012.
- Workshops
  - ✚ Organized a One Day Workshop on “Need Based Model for Improving Quality of Evaluation in Semester System” on 23rd may, 2009.



- ✚ A seven days workshop on ‘Research Methodology’ in collaboration with ICSSR, North Western Regional Center, Panjab University, Chandigarh from Nov. 7 to Nov.13. 2011 was organized. About 60 research scholars and teachers from different states participated in the workshop.
- ✚ Organized a two days workshop on “Use of SPSS in Social Science Research” on Feb 25-26, 2012.
- Seminars
  - ✚ Organized two days National Seminar on Revitalizing Teacher Education on March 10-11, 2012.
- Education Fest
  - ✚ To bring all colleges of Education affiliated to MDU, under one umbrella, DSW office took the initiative of starting an Educative Programme named SHIKSHA EDUFEST from the year 2011. Now it has become a regular feature. The purpose of this fest is to provide a platform to teacher educators studying in various B.Ed. Colleges to show their talents, potentials and capabilities by participating in Debates/Declamations/Plays. Enough care is taken to select the latest issues for these activities e.g. Right to Education, Right to Information, Inclusive Education, Save the Girl Child and Education of the Girl Child etc.
- Special Lectures
  - ✚ To create awareness among students, regarding health hazards caused by Crackers especially ophthalmological, a Special Lecture on ‘Say No to Crackers’ was held. The speaker, Dr. Rajender Chauhan (Prof. Ophthalmology, Pt. B. D. Sharma University of Health Sciences, Rohtak) with his enlightened on the issue could sensitize the students towards health hazards issues and also suggested remedial measures.

**45. List the teaching methods adopted by the faculty for different programmes.**

- In order to disseminate knowledge and to make them aware of technological skills, a variety of innovative teaching methods being adopted by the faculty include:

- ✚ Lecture Method, Project Method, Problem Solving Method, Inquiry Training Model, Role Playing, Gaming, ICT enabled Teaching, Tutorials, Discussion Method, Peer Tutoring, Demonstration Method, Question-Answer Method.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- In order to monitor the learning outcomes and to ensure that programme objectives are achieved, a conducive environment for teaching-learning is created by using different teaching strategies. These strategies are both autocratic as well as democratic in nature. The most common teaching-learning strategies which have shown significant impact on the learning outcomes of the students at different levels are:

- ✚ Lecture Strategy, Tutorial Strategy, Programmed Instruction Strategy, Explanation Strategy, Demonstrative Strategy, Role Playing Strategy, Brain Storming Strategy, Group Discussion Strategy, Computer Assisted Instruction Strategy, Gaming Strategy, Inquiry Training Strategy, Question-Answer Strategy, Co-operative Learning Strategy, ICT enabled teaching-learning Strategy, Independent Study Strategy, Multimedia Teaching-Learning Strategy and various models of teaching.

- Most of these strategies are quite flexible in its application and more comprehensive as they make use of different methods, techniques, aids and equipments for organizing the teaching-learning activities and for realizing the teaching-learning objectives & outcomes.
- The effectiveness of teaching strategy is evaluated in terms of the realization of the set objectives by using Criterion-Referenced Tests.

**47. Highlight the participation of students and faculty in extension activities.**

Through a wide range of activities, the department provides opportunities to the student teachers and faculty for developing life and social skills as given below:

- Under Teacher Guardian Scheme every teacher is made academic incharge of 7 to 10 students for their academic and personal counseling. He is called Mentor for the students.
- Training of Resume Writing is given to each and every student by the teachers of the Department.
- Visit to Special Schools.
- Visit to Bank
- Celebrating National and International Days and Festivals of different religions
- Blood Donation Camp motivated students to donate blood.
- The Department has benefitted from the community as most of our students are accommodated willingly for internship in reputed school. After the completion of the study, they are recruited for services.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Participation of the students in ‘Anti-Plastic Campaign’ by making people aware about the use of cloth, jute and paper bags by saying ‘No to Plastic bags’.
- Representation of the Department in National and International Seminar by its scholars and students.
- Participation of students in SHIKSHA EDUFEST for sharing their potentials and capabilities.
- Organization of Quiz Competitions
- Right to Education Campaign
- Problem of out of school children in vicinity
- Adopting a village for empowering school teaching
- Contribute to the Govt. campaigns towards education of students
- Publication of Annual News Letter entitled SHIKSHA SAMIKSHA of Department of Education. The newsletter help the university alumni, its teachers, its scholars and other stakeholders to know about the activities that the Department has undertaken from time to time to strengthen its academic environment.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- No

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Department has its credit to number of doctoral thesis where our scholars have proved experimentally the benefits of using various types of Models of Teaching and strategies in making teaching-learning process interactive which have impact on the learning outcomes of the students. Through their research findings, it has been proved that these strategies are quite flexible in its application and more comprehensive as they make use of different methods, techniques, aids and equipments for organizing the teaching-learning activities and for realizing the teaching-learning objectives & outcomes.

**51. Future plans of the department.**

The Department aspires:

- To make the Department an Excellent Centre of Learning
- To establish a Multi-media room & popularize Multimedia approach in Teaching- learning process
- To introduce the students' specific programmes related to Teacher Education.
- To enrich the Departmental Library with latest reference books and journals
- To equip various Labs with latest equipments and tools.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Dedicated, qualified and willing team of teachers.
- b) Academic programmes have been designed to uphold the mission of the Department i.e. to produce qualified, efficient, capable, competent and skilled teachers
- c) More than 90% students get placement after the course completion.
- d) The human and physical resources both in the Department as well as in the University have been tapped adequately by the researchers to produce Computer Mediated teaching-learning materials.

- e) Many faculty members are on the Apex Body of India such as UGC, NAAC and NCTE etc.

**B) Weakness:**

- a) Laboratories are optimally used even with lack of equipments.
- b) Large number of research studies has been planned for Interdisciplinary Research with a view to establish “Centre for Promoting Interdisciplinary Research in Education”.
- c) Innovative Teaching facilities are being manipulated in the absence of SMART CLASS room facility.

**C) Opportunities:**

- a) The extension programmes are limited only to the community around.
- b) Government seeks expertise of faculty working in Department of Education for updating the knowledge and skills of In-service teacher educators serving in Elementary and Senior Secondary Schools.
- c) Alumni’s potentials can be explored and utilized for quality improvement.

**D) Challenges:**

- a) Initiating research projects
- b) Mobilization of additional funds through alumni
- c) To work towards maintenance of Excellence though access to education exists.



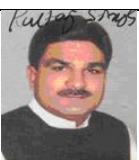



## Evaluative Report Department of Physical Education

1. **Name of the Department :** Physical Education
2. **Year of establishment:** 1992
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :** B.P.Ed., M.P.Ed., M.Phil  
Pre. Ph.D. and Ph.D.
5. **Interdisciplinary courses and departments involved:** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Students exchange programmes with Manav Rachna International University, Faridabad and Amity University, Noida
7. **Details of programmes / courses discontinued, if any, with reasons:** Nil
8. **Annual/ Semester/Choice Based Credit System:** Semester system
9. **Participation of the department in the courses offered by other departments:**
  - Orthopaedicians from PGIMS deliver lectures to the students.
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	-	-
Associate Professors	<b>04</b>	<b>03</b>
Asst. Professors	<b>04</b>	<b>02*</b>

\*SFS

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Prof. Indira Dhull	M.A. (Eng.) M.Ed., Ph.D.(Edu.), Post-Doctoral Research Fellow (CWASF)	Head, Dept. of Phy. Edu. and Dean, Faculty of Education	Edu. Psychology, Edu. Research, Teacher Edu.	24	10	
Dr. B. S. Rathee	B.Sc., M.P.Ed. Ph.D. (Phy. Edu.) NIS, PGDCA	Associate Professor	Exercise Physiology, Health Edu. & Sports Medicine, Basketball	16	2	
Dr. Jagmati Sangwan	BSH&PE, M.Sc.(Rural Sociology), M.P. Ed., Ph.D. (Phy. Edu.)	Associate Professor	Research Methodology, Health Edu., Sports Sociology Volley Ball	23	-	
Kultaj Singh	M.P.Ed., M.Phil.	Associate Professor	History & Principal, Officiating and Coaching, Health Education	21	-	
Dr. R. P. Garg	M.A., NIS, Dip. in Wrestling, Ph.D. (FILA Referee)	Associate Professor (Transferred from P.G.R. C. Rewari)	Anatomy & Physiology, Scientific Principles of Sports Training, Wrestling	22	-	
Dr. Ramesh Kumar	M. P. Ed., NIS, Ph.D. (Phy. Edu.)	ADPE (Associated from O/o Directorate of Sports)	PPCD, History & Principles, Yoga, Health Education, Kabbadi, Wrestling	10	4	
Ms. Sarita Chaudhry	B.P.Ed., M.P.Ed., M.Phil., NET, SLET, Ph. D. (Pursuing)	Assistant Professor (S.F.S.)	Sports Mgt., Kho- Kho, PPCT Health Education	9	-	
Ms. Rajni Saini	Coaching Dip. in Gymnastics, NIS, D.P. Ed., M.P.Ed., M.Phil. NET,	Assistant Professor (S.F.S.)	Sports Psychology, Gymnastic, Bio- Mechanics Kinsiology	9	-	
** Apart from this, services of Dr. R. S. Rana and Mr. K.S. Saini from O/o Directorate of Sports have also been utilized in the Department						

- 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil
- 13. Percentage of classes taken by temporary faculty – programme-wise information** 25 %
- 14. Programme-wise Student Teacher Ratio:**
- B. P. Ed. - 6:1  
M. P. Ed. – 4: 1  
M. Phil - 4: 1  
Pre-Ph.D. – 2:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	1	1
Administrative staff	2	2

- 16. Research thrust areas recognized by funding agencies:** Sports Psychology, Sports Sociology, Bio- Mechanics, Sports Physiology, Sports Training
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**
- Nil
- 18. Inter-institutional collaborative projects and grants received**
- a) All India collaboration**
- Dr. Jagmati Sangwan Acted as Incharge Haryana Study for the Project “Choices and Customs in Contemporary Haryana Society” run by Women’s Studies and Department Centre of Delhi University during 2011-12.
  - Dr. Jagmati Sangwan at Present, working as Field- incharge of Project in Haryana on the “Status of Implementation of 498-A in Haryana” being conducted by Indian School For Women Development- Studies; New Delhi.
  - Dr. Jagmati Sangwan- Member, Supervisory Board on the Implementation of PCPNDT ACT through Gazetted notification of Haryana Government.
- b) International**
- Nil



<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.</b>	
• Nil	
<b>20. Research facility / centre with</b>	Nil
• state recognition	
• national recognition	
• international recognition	
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>	Nil
<b>22. Publications: (from 2008-2012)</b>	
* Number of papers published in peer reviewed journals (national / international):	34
* Monographs:	0
* Chapters in Books:	1
* Edited Books:	0
* Books with ISBN with details of publishers:	<b>03</b>
• Learner, Learning and Cognition, Aggarwal Publications, 2011 (ISBN No. 978-93-80510-34-7)	
• Shikshanevam Adhigamka Manovigyan, Aggarwal publications, 2009 (ISBN No. 978-93-81124-32-1)	
• Our Health is in Our Hands” Khel Sahitya Kender, Darya Ganj New Delhi. 2009	
* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):	Nil
* Citation Index – range / average:	Nil
* SNIP:	Nil
* SJR:	Nil
* Impact Factor – range / average :	Nil

- \* **h-index:** Nil
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated:** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Dr. R. P. Garg – International (FILA) Referee course Cat. II from 4 to 8 July, 2010 at Doha (Qatar)
  - Dr. R. P. Garg- International (FILA) Referee course Cat. I from 7 to 12 Jan. 2011 at Jakarta (Indonesia)
  - Dr. B.S. Rathee acted as Resource Person in
    - ✚ Punjab University, Chandigarh
    - ✚ Punjabi University, Patiala
    - ✚ LNUPE Gwalior
    - ✚ Guru Nanak Dev University, Amritsar
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Professor Indira Dhull is/has been:**
- ✚ Coordinator – Standing Committee to check Sexual Harassment and violence against Women at Workplaces.
  - ✚ Expert Member UG/PG Board of Studies, Kurukshetra University, Kurukshetra, Ch. Devi Lal University, Sirsa and BPS Women University, Khanpur
  - ✚ Governor Nominee, Court, Ch. Devi Lal University, Sirsa
  - ✚ Member, Managing committee of University Campus School, Rohtak (27.7.12 to 30.6.13)
  - ✚ Resource person in Academic Staff Colleges
  - Member of Committees Constituted by University Grants Commission:
    - ✚ Member inspection teams for conferring the status of Autonomous Colleges and Deemed Universities.
    - ✚ Member UGC XI Plan Committee for recommending allocation of Budget to various Universities
    - ✚ Expert UGC Travel Grant Committee
    - ✚ Member Major & Minor Projects evaluation committee
    - ✚ Member Selection Committee for award of Commonwealth Fellowships

- ✚ UGC Observer to oversee the selection process under CAS in various Universities.
- Member of the National Assessment and Accreditation Council (NAAC) Peer Team

**Dr. B. S. Rathee is/ has been**

- Chairperson, Selection Committee in Navodaya Vidhalya
- Expert Member, UG/PG Board of Studies, Punjab University, Chandigarh, KUK, PU Patiala and Gurukul Kangari, Haridwar
- Resource person in Academic Staff Colleges
- Member, Jat Education Society, Rohtak
- Expert on talks of various field of Physical Education broadcasting on All India Radio Station
- Chairman, Basketball/ Korfbal Selection Committee of M. D. U Sports Council

**Dr. Jagmati Sangwan is/ has been**

- Member, Supervisory Board on the Implementation of PCPNDT ACT through Gazetted notification of Haryana Govt.

**Dr. R. P. Garg is/has been**

- SSV Common Wealth Games 2010, FILA Referee Category-I
- Member, M. D. U. Sports Council Wrestling, Squash and Netball Selection
- Officiating in the Common Wealth Wrestling Championship, Asian Wrestling Championship and many other national and international tournaments.
- Member, Editorial Board, Shodh Patrika Yugshilpi, ISSN- 0975-4644

**27. Faculty recharging strategies**

- Teachers are encouraged to participate in Orientation courses, Refreshers Courses, Workshops, Conferences and Seminars.

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects**  
All students of M. Phil. are assigned research topics on which they collect data, analyze it and interpret and submit the report in the form of Dissertation.
- **percentage of students doing projects in collaboration with other universities / industry / institute**

Nil

**29. Awards / recognitions received at the national and international level by:**

- **Faculty** 02
- **Doctoral / Post-doctoral fellows** Nil
- **Students** 08

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- The Department organized a National Seminar on ‘State Sports Society’ on March 26, 2011 (Funding Agency- UGC Cell of the University)
- The Department organized Seven Day Workshop on “Sports Conditioning” from Feb. 12 to 18, 2012. (Funding Agency- UGC Cell of the University)
- Organized a series of Extension Lectures by Prof. M. L. Kamlesh, Former Principal, LNCPE, Tiruvanthapuram, Kerla
- Organized number of extension lectures by Prof. G. L. Khanna, Dean of Applied Sciences, Manav Rachna International University, Faridabad.

**31. Code of ethics for research followed by the departments**

- Researchers respect Human Dignity, Privacy and autonomy of Human Subjects (Players, sports persons).
- Researchers strive to avoid biasness and discrimination on the basis of sex, race, ethnicity or other factors.
- Researchers promote social skills, life skills, leadership qualities, fellow feeling, cooperation, team spirit, sportsman spirit, empathy, punctuality and time management.
- Researchers in Phy. Edu. promote social good and prevent or mitigate social harms like smoking, alcohol consumption, drug addiction etc. through research, public education and advocacy.
- Data, Results, Methods and Procedures are honestly reported and are open to criticism and new ideas.

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B. P. Ed.	193	28	24	98 (Both)	
M. P. Ed.	154	27	15	98 (Both)	
M. Phil.	61	05	06	98 (Both)	
Pre-Ph.D.	61	03	02	98 (Both)	

**33. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B. P. Ed.	98%	2%	-	-
M. P. Ed.	94%	6%	-	-
M. Phil./ Pre-Ph.D.	96%	4%	-	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Examination	Qualified
UGC-NET	20

**35. Student progression**

Student Progression	Percentage
UG to PG*	80%
PG to M.Phil.*	90%
PG to Ph.D.	50%
Ph.D. to Post-Doctoral	N.A.
Employed Campus selection Other than campus recruitment	Nil ~90%
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	57%
from other universities within the State	43%
from universities from other States	-
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Two**

**38. Present details of infrastructural facilities with regard to**

- |   |  |
|---|--|
| a) <b>Library</b>                                     | Central Library.   |
| b) <b>Internet facilities for staff and students:</b> | Nil  |
| c) <b>Total number of class rooms :</b>               | 03   |
| d) <b>Class rooms with ICT facility:</b>              | 01   |
| e) <b>Students' laboratories:</b>                     | Students visit Sports Complex, Gymnasium and Computer centre |
| f) <b>Research laboratories:</b>                      | Central Library, Sports Complex and Gymnasium                |

**39. List of doctoral, post-doctoral students and Research Associates**

<b>From (2008-12)</b>	<b>Guided</b>	<b>Registered</b>
a) <b>from the host university:</b>	13	12 (Doctoral)
✚ Ajay Nandal, Poonam Lata, Satender Kumar, Meenakshi, Parvinder, Netra Pal, Wazir Singh, Parmod, Bupender Singh, Raj Kumar, Navin, Subash Chander, Hem Lata		
b) <b>from other universities:</b>	13	07 (Doctoral)
✚ Neena Khatri, Sarita Chaudhary, Anil Malik, Deepak Dahiya, Sanjay Jindal, Sanjiv Kumar, Shashi, Aruna Malik		

**40. Number of post graduate students getting financial assistance from the university.**

- ~10-12 students

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

✚ Need Assessment of new programme is carried out by informal discussion with stake holders and educationists. The viewpoints of teachers are also ascertained at formal level. All these views are deliberated threadbare in departmental committee to find out the potential areas which need special emphasis. The designed programme is then placed before UG / PG Board of Studies and is further evaluated by outside experts. Before finally approving the programme, it is placed before Academic Council for consideration.

**42. Does the department obtain feedback from****a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

✚ Views and suggestions are obtained from faculty members through Peer Group Meetings, Departmental Committee Meetings and PG Board of Studies and are taken care of while framing curriculum.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

✚ At the end of each semester, the students fill up the feedback proformas to assess the teachers in terms of Course coverage, Articulation and Comprehensibility, Accessibility outside class and Handling of students grievances and library support. Views and suggestions of students on curriculum and teaching- learning-evaluation are obtained through interaction and are taken care of.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

✚ Alumni are invited in various programmes organized by the department in which feedback is obtained from them and are taken care of while framing curriculum.

**43. List the distinguished alumni of the department (maximum 10):**

- Rajkumar Sangwan, Arjun Awardee and Bheem Awardee
- Ashan Kumar Sangwan, Arjun Awardee and Bheem Awardee
- Neha Rathee, Bheem Awardee
- Meena Kumari, Bheem Awardee
- Satyadev Malik, Coach, Haryana Sports Department
- Naresh Hooda, Gym Coach, M. D. U. Rohtak
- Subhash Sharma, Judo Coach, M. D. U. Rohtak

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Prof. Radhey Shyam, Department of Psychology, M. D. U. Rohtak delivered an Extension lecture on “Research Methodology”.
- Prof. J. P. Yadav, Department of Genetics, M. D. U. Rohtak delivered an extension lecture on ‘How to be a Good Researcher’.

- The Department organized a National Seminar on ‘State Sports Society’ on March 26, 2011
- The Department organized Seven Day Workshop on “Sports Conditioning” from Feb. 12 to 18, 2012.
- Organized a series of Extension Lectures by Prof. M. L. Kamlesh, Former Principal, LNCPE, Tiruvanthapuram, Kerla.
- Organized number of extension lectures by Prof. J. L. Khanna, Dean of Applied Sciences, Manav Rachna International University, Faridabad

**45. List the teaching methods adopted by the faculty for different programmes.**

- Teachers use many techniques like prompting students to formulate their own questions (Inquiry), allow multiple interpretations and expression of learning (Multiple Intelligence) and encourage group work and use of peers as resources (Collaborative Learning).
- In order to disseminate knowledge and technological skills, all faculty members are adopting a variety of innovative teaching – learning techniques such as
  - ✚ Use of LCD Projector and OHP, ICT enabled Teaching, Intramural- 15 days training for other activities in school, Tutorials, Discussions and Seminars, Peer Interactive Learning, Role play, Gaming, Skill development workshops, Interactive E-learning, Brain compatible learning approaches

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- At the end of each semester, the students fill up the feedback proformas meant to specifically assess the teachers in terms of.
  - ✚ Course coverage
  - ✚ Articulation and Comprehensibility
  - ✚ Accessibility outside class
  - ✚ Handling of students grievances and library support
- Continuous and comprehensive evaluation is carried out through Unit tests, presentations and assignments. Remedial teaching measures are provided whenever and wherever necessary.



**47. Highlight the participation of students and faculty in extension activities.**

- Under Teacher Guardian Scheme every teacher is allotted 10 to 12 students for their academic and personal counseling.
- Training of Resume Writing is given to each and every student by the teachers of the Department.
- Students are given training in core teaching skills, thinking skills, employability skills and skills how to make classroom interaction effective by the faculty of the department.
- Faculty members offer varied learning experiences to student teachers and train them for 21st century education. Students and teacher educators give emphasis on 5 E's that is.
  - ✚ Engage,
  - ✚ Explore,
  - ✚ Explain,
  - ✚ Expand
  - ✚ Evaluate

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- ✚ Department of Physical Education organizes Sports Quiz every year inviting students from the Physical Education Colleges affiliated to M. D. University, Rohtak. Students of the Department regularly participate in Quiz competitions, Declamation Debates and also other cultural activities. Students of the Department present papers in seminars/ conferences.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. No****50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- ✚ Students undertake relevant and emerging topics for their research in Physical Education culminating in Degree of Doctor of Philosophy. They collect primary data, analyze it, interpret it and present the research report in the form of Thesis which leads to generation of new knowledge. Besides this, the faculty members regularly contribute research papers in leading Research Journals

**51. Future plans of the department.**

The Department aspires:

- ✚ To make the Department an Excellent Centre of Learning, the Department intends to start the new courses like Fitness and Weight Management, C. P. Ed. And five year integrated course in Physical Education after 10+2.
- ✚ To establish Departmental library, a Multimedia room & popularize Multimedia approach in Teaching- learning process
- ✚ To establish the laboratory on Sports Bio-mechanics, Sports Psychology and Sports Physiology and Computer Applications.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) Qualified and Competent Faculty members
- b) ICT enabled Teaching- Learning in all courses
- c) Fostering Global Competencies among Students to enable them to participate in games/sports at National and International level.
- d) Democratic environment in the department
- e) Sportsman spirit among faculty members.

**B) Weakness:**

- a) Departmental Library and proper Laboratories are still to be established.
- b) Smart class room facility needs to be provided.
- c) More Academic Flexibility is required.
- d) Collaborations need to be improved.

**C) Opportunities:**

- a) Opportunities to try for major and minor projects funded by Govt. and other agencies
- b) Participation in research activities at international level

**D) Challenges:**

- a) Most of the students from rural background
- b) Development of soft skills at a wider level
- c) To produce players of International Level
- d) To provide not only Access to Education but to maintain Excellence.

## Evaluative Report






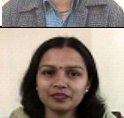

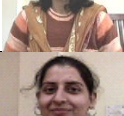
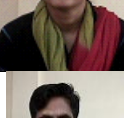


### University Institute of Engineering & Technology

1. **Name of the Department :** University Institute of Engineering & Technology
2. **Year of establishment:** 2005
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**
  - ✚ B.TECH(CSE, ECE, ME, CIVIL, ELECTRICAL, BIOTECH)
  - ✚ M.TECH(CSE, SE, ECE, ME, BIOTECH)
  - ✚ Pre-Ph.D
  - ✚ Ph.D
5. **Interdisciplinary courses and departments involved:** N.A.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** Yes
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	10	2
<b>Associate Professors</b>	22	45
<b>Asst. Professors</b>	83	25*

\* This additional load is distributed among Guest faculty and Teaching Associates as per requirements








**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided	
Dr. S. P. Khatkar	Ph.D.	Director	Nano-technology	26	8	
Dr. Rahul Rishi	Ph.D.	Professor	CSE	15	3	
Dr. Yudhvir Singh	Ph.D.	Associate Professor	CSE	11	-	
Dr. Raj Kumar Yadav	Ph.D.	Assistant Professor	CSE	7	-	
Sh. Vikas Siwach	M. Tech	Assistant Professor	CSE	9	-	
Mrs. Kamna	M. Tech	Assistant Professor	CSE	6	-	
Mrs. Rainu Nandal	M. Tech	Assistant Professor	CSE	6	-	
Mrs. Chhavi Rana	M. Tech	Assistant Professor	CSE	6.5	-	
Sh. Dheeraj Khurana	M. Tech	Assistant Professor	CSE	5	-	
Sh. Harkesh Sehrawat	M. Tech	Ass. Professor	CSE	5	-	
Mrs. Amita Dhankhar	M. Tech	Assistant Professor	CSE	6	-	

Sh. Kamal Deep	M. Tech	Assistant Professor	CSE	1	-	
Sh. Yogesh Kumar	M. Tech	Assistant Professor	CSE	7	-	
Mrs. Sunita Dhingra	M. Tech	Assistant Professor	CSE	9	-	
Dr. (Mrs)Sonia	Ph.D.	Associate Professor	Biotech	6	-	
Dr. Kashyap Dubey	Ph.D.	Associate Professor	Biotech	6	-	
Dr. Manvender Singh	Ph.D.	Associate Professor	Biotech	8	-	
Dr (Ms)Vijay Dangi	Ph.D.	Assistant Professor	Biotech	4	-	
Dr Veer Bhan	Ph.D.	Assistant Professor	Biotech	5	-	
Dr. (Ms) Manjeet Kaur	Ph.D.	Assistant Professor	Biotech	8	-	
Dr. Vinit Kumar Singla	Ph.D.	Professor	MECH	15	-	
Dr. Prabhakar Kaushik	Ph.D.	Associate Professor	MECH	12	-	
Dr. Ashwani Dhingra	Ph.D.	Associate Professor	MECH	9	-	

Sh. Raj Kumar	M. Tech	Assistant Professor	MECH	4	-	
Sh. Rajesh	M. Tech	Assistant Professor	MECH	5	-	
Sh. Sandeep Kumar	M. Tech	Assistant Professor	MECH	5	-	
Sh. Pardeep Gahlot	M. Tech	Assistant Professor	MECH	5	-	
Sh. Deepak Chhabra	M. Tech	Assistant Professor	MECH	9	-	
Sh. Ravinder Kumar Sahdev	M. Tech	Assistant Professor	MECH	5	-	
Sh. Rakesh Rathee	M. Tech	Assistant Professor	MECH	4	-	
Sh. Naveen Hooda	M. Tech	Assistant Professor	MECH	1	-	
Sh. Naveen Khatak	M. Tech	Assistant Professor	MECH	2	-	
Sh. Vikas Nandal	M. Tech	Assistant Professor	ECE	6	-	
Dr. Vikas Sindhu	Ph.D.	Assistant Professor	ECE	6	-	
Dr.(Col.) Suresh Kumar	Ph.D.	Assistant Professor	ECE	4.5	-	
Sh. Shamsher	M. Tech	Assistant Professor	ECE	6	-	

Dr. Anil Sangwan	Ph.D.	Assistant Professor	ECE	7	-	
Sh. Manoj Ahlawat	M. Tech	Assistant Professor	ECE	4	-	
Sh. Vipin Kumar	M. Tech	Assistant Professor	ELE	11	-	
Mrs. Meena Kumari	M. Tech	Assistant Professor	ELE	1	-	
Sh. Gurdiyul Singh	M. Tech	Assistant Professor	ELE	1	-	
Sh. Surender Singh	M. Tech	Assistant Professor	ELE	2	-	
Mrs. Neha Khurana	M. Tech	Assistant Professor	ELE	8	-	
Dr. Sunil Chhikara	Ph.D.	Assistant Professor	EVS	4	-	
Mrs. Manju	M.Sc.	Assistant Professor	Physics	7	-	
Sh. Rahul Tripathi	M.Sc.	Assistant Professor	Physics	2	-	
Sh. Sukhbir Singh	M.Sc.	Assistant Professor	Physics	1	-	
Mrs. Savita Khatri	M.Sc.	Assistant Professor	Chemistry	8	-	

Dr. Seema	Ph.D.	Assistant Professor	Chem	4	-	
Dr. Rajesh Kumar	Ph.D.	Assistant Professor	Chem	5	-	
Dr. Surender Kumar	Ph.D.	Assistant Professor	Maths	7	-	
Dr. Garima Chopra	Ph.D.	Assistant Professor	Maths	2	-	
Mr. Vikas Kumar	M.Sc, M.Phil	Assistant Professor	Math	2	-	
Mrs. Kavita Malik	M.Com, MBA, M.Phil	Assistant Professor	Mgt	6	-	
Mr. Arun Hooda	MBA. B.E.(ECE)	TPO	TPO	9	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

N.A

**13. Percentage of classes taken by temporary faculty – programme-wise information**

10%

**14. Programme-wise Student Teacher Ratio:**

14.6:1 (B. Tech.)

3.4:1 (M. Tech.)

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	29	10 + 16(Contractual)
Administrative staff	1	1

**16. Research thrust areas recognized by funding agencies:**

Communication in Mobile Adhoc Network, Plant Genetic engineering, Bioprocess Engineering, Steganography, Immunology and Molecular Biology



**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S. No.	Name of Faculty	Project	Funding agency	Amount(Rs) Lakhs
(i)	Dr. Yudhvair Singh	Development of Model for Secured Communication in Mobile Adhoc Networks	UGC	9.468
(ii)	Dr. Kashyap Dubey	Bioprospection and Process Optimization to Enhance Bioconversion of Betulin	UGC	9.62
(iii)	Dr. Raj Kumar	Assessment of Information hiding Techniques	UGC	10.65
(iv)	Dr. Veer Bhan	Analysis of genetic Diversity in Drosophila for Susceptibility to Pathogens by RAPD & SSR markers	UGC	9.28
(v)	Dr. Yudhvair Singh	Development of Model for Secured Communication in Mobile Adhoc Networks	UGC	12.05

**18. Inter-institutional collaborative projects and grants received** Nil

a) All India collaboration

b) International

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:**

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	World bank for its TEQIP (Technical Education Quality Improvement Programme) phase II	10 Crore





**20. Research facility / centre with /** Nil

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil

**22. Publications: (from 2008-2012)**

\* Number of papers published in peer reviewed journals (national / international): 250

* <b>Monographs:</b>	Nil
* <b>Chapters in Books:</b>	10
* <b>Edited Books:</b>	05
* <b>Books with ISBN with details of publishers: 03</b>	
 Arya Book Depot, New Delhi, 2006. (ISBN: 81-7063-432-6)	
 Arya Book Depot, New Delhi, 2007.(ISBN:978-81-7063-518-5)	
 Ram Publication India, 2010	
* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>	10
* <b>Citation Index – range / average:</b>	Nil
* <b>SNIP:</b>	Nil
* <b>SJR:</b>	Nil
* <b>Impact Factor – range / average :</b>	0-2.4; Average: 1.7
* <b>h-index:</b>	Nil
<b>23. Details of patents and income generated:</b>	Nil
<b>24. Areas of consultancy and income generated</b>	Nil
<b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>	
• Nil	
<b>26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):</b>	
• Dr. Yudhvir Singh, Dr. Rahul Rishi (Editorial Boards)	
<b>27. Faculty recharging strategies</b>	
• To enhance the technical and other skills the faculty members of UIET attend short term courses / Orientation courses / Refresher Courses organized by UGC / AICTE/ and another funding agencies.	
<b>28. Student projects</b>	
• <b>percentage of students who have done in-house projects including inter-departmental projects</b>	
 60%	

- **percentage of students doing projects in collaboration with other universities / industry / institute**

 40%

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** 03
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** 28

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Following Workshops/Seminars were organized utilizing institutional Funds:

- A Two Days National Conference on Advances in Computing Communication Network and Electrical Systems on March 27-28, 2012.
- A workshop on Robotics and its Application held on 17 – 11 – 2011.
- A Workshop on Optical Fiber and it's applications in Backbone Networks held on 02 – 03 – 2012.
- A Workshop on Innovations in Electrical Power system held on March 14 2012.
- A National Seminar on “Recent Trends in Nanotechnology” was organized by the Institute in 2007.
- A Workshop on “Academic Reforms in Engineering & Technology” was organized in the Institute in 2009.
- A Seminar on “Recent trends in Biotechnology” has been organized in the Institute in 2009.
- A seminar on “ Intellectual Property Rights: Issues and Challenges” has been organized in 2010
- Faculty Development program conducted by WIPRO Technologies “Faculty Empowerment program under Mission 10X” from 25 – 29 October 2010 held at UIET, MDU Rohtak.
- Faculty Development program conducted by WIPRO Technologies “Faculty Empowerment program under Mission 10X” 2nd stage from 04 – 05 February 2011 held at UIET, MDU, Rohtak.

**31. Code of ethics for research followed by the departments:**

- The department strictly follows the ethics as specified time to time by international committees like IEEE, ACM and other ethical committees constituted by Govt. of India for the purpose thereby ensuring that high quality research takes place in the department. The department is committed to follow research guidelines strictly

**32. Student profile course-wise:(2012-13)**

Name of the course (refer to question no 4)		Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
B.Tech		<b>Through Central counseling by HSCS</b>				
M.Tech	CSE	<b>314</b>	<b>3453</b>	<b>100%</b>		
	SE					
	CS					
	ECE	<b>144</b>				
	ME	<b>93</b>				
	BIO	<b>94</b>				

**33. Diversity of students:(2011-12)**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
<b>B.Tech, M.Tech</b>	80%	15%	5%	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Examination	Qualified
NET	05
GATE	65

**35. Student progression**

Student Progression	Percentage%
UG to PG*	60
PG to M.Phil.*	NA
PG to Ph.D.	08
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	27
• Other than campus recruitment	15
Entrepreneurs	Nil

**36. Diversity of staff****Percentage of faculty who are graduates**

<b>of the same university</b>	60%
<b>from other universities within the State</b>	25%
<b>from universities from other States</b>	15%
<b>from universities outside the country</b>	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** 04 (Ph. D.)

**38. Present details of infrastructural facilities with regard to**

**a) Library**

- ✚ Besides the central library, the institute has its own library with latest edition of more than 26165 books with more than 4434 titles covering all the subjects. Subscribes to 45 E-Journals (Springer, Emerald, etc.) for the institute.

**b) Internet facilities for staff and students:** 100% (Wi-Fi)

**c) Total number of class rooms :** 40

**d) Class rooms with ICT facility:** 03

**e) Students' laboratories:** 35

**f) Research laboratories:** 04

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host university:** Nil

**b) from other universities:** Nil

**40. Number of post graduate students getting financial assistance from the university.**

- Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- No

**42. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

The feedback from faculty on curriculum as well as teaching – learning –

evaluation is conducted informally in the meeting of the staff. The inputs obtained are discussed in the meeting of BOS and after due deliberations, the inputs are incorporated in the curriculum. Teaching – learning – evaluation takes place in the form of sessional tests that are held twice a semester.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

The feedback from the students is obtained at the end of the semester through a questionnaire which contains the parameters on which students are required to provide feedback about teaching and learning activities throughout the semester. The feedback thus collected is analyzed in the meeting of the staff at departmental level and needful is done depending upon the outcome of analysis.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

The alumni meet is periodically held in which the alumni come to the department, interact with the students and see the infrastructure that has been added. The alumni share their experiences in the industry and help the students in the getting a suitable placement in the industry. The employers are also invited to interact with the students so that the gap between the industry and academia may be bridged up. Recently an MOU has been signed with LPS, Rohtak for training of the students.

**43. List the distinguished alumni of the department (maximum 10):**

- KarnKohli (2009), University of Texas, USA
- Mayank (2009), Upsala University, Sweden
- Renuka (2009), Cellworks Research India Limited
- Sahil (2009), IBS, Hyderabad
- Vinita (2009), Indian Navy
- YogeshHasija (2009), Nestle Pvt. Ltd.
- Yuvraj (2010), IBM, Pune
- Ajay Arora (2010), TCS, Hyderabad
- Aswita Singh (2010), TCS, Chennai
- Nidhi Singh (2010), Accenture Technology Solutions, Hyderabad

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- A Two Days National Conference on Advances in Computing Communication Network and Electrical Systems on March 27-28, 2012.
- A workshop on Robotics and its Application held on 17 – 11 – 2011.
- A Workshop on Optical Fiber and it's applications in Backbone Networks held on 02 – 03 – 2012.
- A Workshop on Innovations in Electrical Power system held on March 14 2012.
- A National Seminar on “Recent Trends in Nanotechnology” was organized by the Institute in 2007.
- A Workshop on “Academic Reforms in Engineering & Technology” was organized in the Institute in 2009.
- A Seminar on “Recent trends in Biotechnology” has been organized in the Institute in 2009.
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- Faculty Development program conducted by WIPRO Technologies “Faculty Empowerment program under Mission 10X” from 25 – 29 October 2010 held at UIET, MDU Rohtak.
- Faculty Development program conducted by WIPRO Technologies “Faculty Empowerment program under Mission 10X” 2nd stage from 04 – 05 February 2011 held at UIET, MDU, Rohtak.

**45. List the teaching methods adopted by the faculty for different programmes.**

- LCD, Projectors, ICT based tutorials.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Feedback forms, Parents Teachers Meetings.

**47. Highlight the participation of students and faculty in extension activities.**

- 100%.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Development of organization skill through Workshops, Seminars, Projects, Industrial Trainings, Open Source, Science Conclave, Conferences, etc.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- YES (AICTE approved): 1 – 460665451

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Exposure of Innovative Young Minds with Eminent Scientist through two Days Science conclave organized during December 2 – 3, 2011.

**51. Future plans of the department.**

- The institute proposes to start PhD in the following disciplines: Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering , Biotechnology, Electrical Engineering, Textile Engineering
- Conferences / Workshops / Extension Lectures to be conducted in this academic session.
- To establish various research laboratories in various departments
- New PG and Research block/building is under construction.
- Research Projects Proposals to be submitted to various central agencies for funding.
- More CNC machines, Lathe machines to be purchased for the mechanical workshop.
- Approximately 1000 new books, journals, reference books to be added to the institute library in the perusing session.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- ✚ Highly Qualified Faculty, Young and dynamic faculty, 24 7 Internet facility, Wi-Fi facility, Good Infrastructure, Fully AC Library, Easily approachable and in the heart of city, Financially Sound, Organization of Workshops, Seminars and Conferences regularly, Granted TEQIP Project of World Bank, Many Research Laboratories in Various Specializations, Research Projects sanctioned by National Agencies like UGS / AICTE / DST, Scholarships to students from different funding agencies, Travelling grant for research and attending conferences..



**B) Weakness:**

- ✚ Most of young faculty is not registered in Ph.D. and loosing focus to develop specialize research area, Lack of Senior Faculties, Lack of Laboratory staff and supporting staff, Unskilled Lab staff.

**C) Opportunities:**

- ✚ Start of Pre-Ph.D. and Ph.D. course by department to enhance research and enroll internal faculty, More and higher rank students can be attracted. More companies for training and placements can be engaged. To collaborate with other universities and research organizations.

**D) Challenges:**

- ✚ Being government organizations red trapezium and inflexible systems, Students from different background facing problem in communications and professional attitudes.







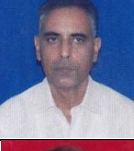


## Evaluative Report





### Department of English & Foreign Languages

1. **Name of the Department :** English & Foreign Languages
2. **Year of establishment:** 1965
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** UG, PG, M.Phil / Pre-Ph.D., Ph.D., Certificate Course in French/Spanish and Diploma Course in French
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** Designing of syllabi of English taught in other departments i.e. Economics, Mathematics, Fine Arts, Public Administration
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	1	1
Associate Professors	1	1
Asst. Professors	12	12

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. S. S. Sangwan	M.Phil, Ph.D.	Professor & Head	American/ British	37	08	
Dr. S. P. S. Dahiya	-do-	Professor	American Lit.	35	09	
Dr. Asha Kadyan	-do-	Professor (on leave)	British Drama/ ELT	33	6	
Dr. Loveleen	-do-	Associate Professor	British Novel/Post-Colonial Writing	27.5	-	
Mrs. Santosh Kumari	M.Phil.	-do-	American Lit.		-	
Mrs. Jaishree Shankar	-do-	-do-	American Drama	27	-	
Dr. Jaibir Singh Hooda	M.Phil, Ph.D.	-do-	American Lit.	26	-	
Mrs. Sheelu Chaudhry	M.Phil	-do-	American Lit.	25	-	
Dr. Randeep Rana	M.Phil, Ph.D.	-do-	Post colonial writing/Indian writing in English	21	-	

Dr. Manjeet Rathee	-do-	-do-	Modern American Lit./Media Studies	24	-	
Dr. Rashmi Malik	-do-	-do-	British Novel	19	-	
Dr. Neelam	Ph.D.	Assistant Professor	Indian Drama	2.5	-	
Dr. Anju Bala	Ph.D.	-do-	American Lit.	3.5	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information**

- Certificate Course in French = 06 per week
- Diploma Course in French = 04 per week
- Certificate Course in Spanish= 06 per week

**14. Programme-wise Student Teacher Ratio:**

- Certificate/Diploma Courses in French & Spanish: 41: 1
- M.A.(Hons.) 5-Year Integrated Programme: 10.7:1
- P.G.: 12 :1
- M.Phil./Pre-Ph.D.: 5:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	-	-
Administrative staff	02	04

**16. Research thrust areas recognized by funding agencies:**

Nil

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Nil

<b>18. Inter-institutional collaborative projects and grants received</b>	Nil
<b>a) All India collaboration</b>	
<b>b) International</b>	
<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:</b>	Nil
<b>20. Research facility / centre with /</b>	Nil
• state recognition	
• national recognition	
• international recognition	
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>	Nil
<b>22. Publications: (from 2008-2012)</b>	
* <b>Number of papers published in peer reviewed journals (national / international):</b>	30/4
* <b>Monographs:</b>	Nil
* <b>Chapters in Books:</b>	01
* <b>Edited Books:</b>	Nil
* <b>Books with ISBN with details of publishers:</b>	01
* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>	Nil
* <b>Citation Index – range / average:</b>	Nil
* <b>SNIP:</b>	Nil
* <b>SJR:</b>	Nil
* <b>Impact Factor – range / average :</b>	Nil
* <b>h-index:</b>	
<b>23. Details of patents and income generated:</b>	Nil
<b>24. Areas of consultancy and income generated</b>	Nil
<b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>	
• Nil	



**26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**

- Prof. S. S. Sangwan, Advisor, MDU (Arts) Journal
- Prof. S. P. S. Dahiya, Secretary, Shakespeare Association of India
- Dr. Loveleen on the Editorial Board of Indo Global Journal of Advance Studies
- Dr. Jaibir Singh Hooda on the Editorial Board of Yugshilpi (Journal of Humanities)
- Dr. Randeep Rana on the Editorial Board of Yugshilpi (Journal of Humanities)

**27. Faculty recharging strategies**

- The teachers of the Department attend the National and International seminars/conferences, orientation course, refresher course to acquaint themselves with the latest trends and new researches.

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects**  
 N.A.
- **percentage of students doing projects in collaboration with other universities / industry / institute**  
 N.A.

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** Nil
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** 02

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- 1<sup>st</sup> International Conference: Shakespeare as Critic in His Time and Ours: Literary, Social and Political on Oct. 8-10, 2009 : Sponsored by UGC
  - Prof. Bhim Singh Dahiya, former Vice-Chancellor, K.U.K.
  - Dr. Philip Zitowitz, Meiji University, Japan
  - Dr. Jaqas, Portugal University
  - Miss Maria, Portual University
  - Late Dr. S.P. Shukla, Allahabad University, Allahabad
  - Prof. R.S. White, Australia
  - Prof. Lisa Hawkins, U.K.
  - Prof. Anu Shukla, CDLU, Sirsa
  - Prof. Birjesh Sawhney, K.U.K.
  - Prof. Katherine McLusay, Director Shakespeare Institute, Stratford.

**31. Code of ethics for research followed by the departments**

- Research ethics followed strictly

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.(Hons.) English 5-Year Int'ed Programme	112	21	36	100%	
M.A. (two year)	1852	56	188	85%	
M.Phil/Pre-Ph.D.	-	18	38	100%	

**33. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	230	10	4	--
M.Phil.	44	6	6	--

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- No official mechanism to compile this record

**35. Student progression**

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	15%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	NA
Employed Campus selection Other than campus recruitment	-
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	69.2%
from other universities within the State	15.4
from universities from other States	15.4%
from universities outside the country	Nil

37. **Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil
38. Present details of infrastructural facilities with regard to
- |   |                                 |
|---|---------------------------------|
| a) <b>Library</b>                                     | Central library.                |
| b) <b>Internet facilities for staff and students:</b> | 100 %                           |
| c) <b>Total number of class rooms :</b>               | 07                              |
| d) <b>Class rooms with ICT facility:</b>              | Nil                             |
| e) <b>Students' laboratories:</b>                     | Language Lab under construction |
| f) <b>Research laboratories:</b>                      | Nil                             |
39. **List of doctoral, post-doctoral students and Research Associates**
- |                                     |               |
|-------------------------------------|---------------|
| a) <b>from the host university:</b> | 43 (Doctoral) |
| b) <b>from other universities:</b>  | 02 (Doctoral) |
40. **Number of post graduate students getting financial assistance from the university.**
- 45
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
- Academic audit by two outside experts.
42. **Does the department obtain feedback from**
- |  |   |
|--|---|
| a) <b>faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes</b> | Inter action/meetings/seminars for faculty feedback and suggested changes incorporated and implemented. |
| b) <b>students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes</b>     | student feedback through university designed proforma and PTA meetings.                                 |
| c) <b>alumni and employers on the programmes offered and how does the department utilize the feedback?</b>                         | Valuable suggestions given from time to time are followed.  |



**43. List the distinguished alumni of the department (maximum 10):**

- Sh. Ram Niwas, IAS
- Smt, Shakutla Jakhu, IAS
- Sh. Ashok Bhardwaj, D.G.Income Tax
- Sh.Shiv Raman Gaur, IAS
- Sh. Yudhvair Singh Khayaliya, IAS
- Smt. Jayawanti Sheokand, IAS
- Sh. Rajbir Deswal, I.G. Haryana Police
- Prof. Akshaya Kumar, Punjab University, Chandigarh
- Dr. Gulab, Dean Faculty of Humanities, BPS Mahila Vishvidyalaya, Khanpur
- Sh. Somesh Goyal, IPA

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Extension Lectures delivered by Prof. Bhim S.Dahiya , Ex-Vice-Chancellor, Kurukshetra University, Kurukshetra Feb., 2012

**45. List the teaching methods adopted by the faculty for different programmes.**

- Direct method, teaching through films, computer aided teaching, seminars, interactive sessions amongst students, assignment, projects, GD, tutorials etc.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Regular meetings of the departmental Committee, constant evaluation programme i.e. in house tests, monitoring through students evaluation and assessment.

**47. Highlight the participation of students and faculty in extension activities.**

- Extension lecture by teachers, lectures in Refresher Courses, participation of students in symposia, seminars, social awareness programmes and blood donation camps organized by the host and other universities.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Quiz, seminars, cultural activities, sports, youth leadership programme.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- University graded by NAAC.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Through presentation and publication of research articles, books and through guidance of research scholars.

**51. Future plans of the department.**

- Making Language Lab operational, establishing collaboration with other Depts. for inter disciplinary understanding of literature.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Highly qualified and dedicated faculty members
- b) Updated and diversified course content keeping pace with contemporary literary trends and employment opportunities.
- c) Multi- dimensional thrust areas of research.
- d) Efficient secretarial staff
- e) Disciplined and precocious students

**B) Weakness:**

Nil

**C) Opportunities:**

- a) Extension services through Language Lab
- b) Increasing contact with society through cultural clubs etc.
- c) Enhancing employability of students by increasing contact with employment agencies.

**D) Challenges:**

- a) To improve written and spoken English skills to students.
- b) To provide a critical and analytical edge to students for better results in examination.

## Evaluative Report Department of Hindi

1. **Name of the Department :** Hindi
2. **Year of establishment:** 1976
3. **Is the Department part of a school/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** MA, M.Phil, Pre-Ph.D., Ph.D., P.G. Dip. in Translation
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester system for M.A., M. Phil.; Annual System for P.G. Dip. in Translation
9. **Participation of the department in the courses offered by other departments:**
  - Teaching of Hindi in Five year Integrated programme run by Fine Arts
  - Teaching of Hindi in Five year M.A. English Programme run by English Dept.
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	1	--
Associate Professors	1	1
Asst. Professors	11	11

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Rohini Aggarwal	M.A., Ph.D.	Professor	Hindi Fiction Criticism	28	6	
Ram Sajan Pandey	Ph.D., D. Lit	Professor	Kavita, Kavyashastra	28	7	
Man Mohan Chaturvedi	Ph.D.	Associate Professor	Modern Poetry, Lit. Criticism	34	-	
Ram Rati	M.Phil, Ph.D.	-do-	Poetics & Aesthetics	29	-	
Sushila	M.Phil, Ph.D.	-do-	Katha Sahitya	28	-	
Sanjeev Kumar	M.Phil, Ph.D.	-do-	Prachin & Madhya Kalin Kavita	28	-	
Maya Malik	-do-	-do-	Modern Poetry Hindi Gadh Sahitya	23	-	
Krishna Devi	-do-	-do-	Linguistics	3	-	
Krishna Joon	-do-	-do-	Katha Sahitya	23	-	
Renu Chandla	-do-	-do-	Upanayas		-	
Pushpa	-do-	-do-		17	-	

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information Nil

14. Programme-wise Student Teacher Ratio: M.A.: 5:1  
M.Phil.: 2:1  
P.G. Dip. in Translation: 2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Technical staff	-	-
Administrative staff	02	01

16. Research thrust areas recognized by funding agencies: Adhunik Hindi Sahitya Mein Vibhinn Vidhaon Ke Sanrachnatmak Vikas Ki Rooprekha (UGC)

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

- Nil

18. Inter-institutional collaborative projects and grants received Nil

a) All India collaboration  
b) International

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	UGC-SAP (DRS – I )	42,50,000/-+two Project Fellow salary

20. Research facility / centre with / Nil

- state recognition
- national recognition
- international recognition

<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>	Nil
<b>22. Publications: (from 2008-2012)</b>	
* <b>Number of papers published in peer reviewed journals (national / international):</b>	09
* <b>Monographs:</b>	Nil
* <b>Chapters in Books:</b>	04
* <b>Edited Books:</b>	03
* <b>Books with ISBN with details of publishers: 03</b>	
✚ Rajkamal Prakashan Delhi (ISBN : 978-81-267-2021-7)	
✚ Samiyik Prakashan, Delhi (ISBN : 81-7138-117-0)	
✚ Gaurav Books, Delhi (ISBN : 978-81-909302-6-0)	
* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>	Nil
* <b>Citation Index – range / average:</b>	Nil
* <b>SNIP:</b>	Nil
* <b>SJR:</b>	Nil
* <b>Impact Factor – range / average :</b>	Nil
* <b>h-index:</b>	
<b>23. Details of patents and income generated:</b>	Nil
<b>24. Areas of consultancy and income generated</b>	Nil
<b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>	Nil
<b>26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):</b>	
• Dr. M.M. Chaturvedi, Member of Editorial Board, Naya Path, Delhi	
• Dr. M.M. Chaturvedi, Member of Editorial Board, Harkara, Rohtak	
• Prof. Rohini Aggarwal, Subject Expert, PG Board of Studies, Aligarh	
• Prof. Rohini Aggarwal, Subject Expert, PG Board of Studies, Jamia Millia Islamia, Delhi	
• Prof. R.S. Pandey, Member, Haryana School Education Board, Bhiwani	
• Dr. M.M. Chaturvedi, Secretary, Akhil Bhartiya Janvadi Lekhak Sangh	

**27. Faculty recharging strategies**

- Faculty is regularly attending and participating in Seminars to get in touch with contemporary literary activities.

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects**

✚ N.A.

- **percentage of students doing projects in collaboration with other universities / industry / institute**

✚ N.A.

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** Nil
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** 02

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Extension lecture on 24-9-2011 by वक्ता-डॉ० बलदेववंशी (प्रतिष्ठित कवि और आलोचक) विषय रूबदलता सामाजिक परिदृश्य और साहित्य का दायित्व Funded by SAP DRS-I
- National Seminar on 26-11-2011; Funding Agency : श्री विष्णु प्रभाकर जन्मशती समारोह समिति विषय-विष्णु प्रभाकर : व्यक्ति और रचनाकार
- Extension lecture on 9-2-2012 by वक्ता- डॉ० आलोक रंजन, हंसराज कॉलेज, दिल्ली विषय--हिंदी आलोचना का विकासय प्रयोजनमूलक हिंदी और हिंदी का प्रयोजन Funding Agency SAP DRS-I
- व्याख्यानमाला का आयोजन १७.२.२०१२ विषय - संत रविदास का अवदानय विशिष्ट वक्तारू राज्य कवि उदयभानु हंस (अध्यक्ष)य प्रो० नंदकिशोर पाण्डेय, हिंदी विभाग राजस्थान विश्वविद्यालय, जयपुरय, प्रो० बैजनाथ प्रसाद, हिंदी विभाग, पंजाब विश्वविद्यालय, चण्डीगढ़ Funding Agency: SAP DRS-I
- Extension lecture on 29-2-2012: विद्वान-राकेश बिहारी, विशिष्टलेखकय विषय -समकालीन हिंदी कहानी Funded by SAP DRS-I
- 16-17 मार्च २०१२, दो दिवसीय राष्ट्रीय संगोष्ठी का आयोजनय विषय - गद्य साहित्य के विकास की रूपरेखाय विद्वान-विभिन्न विश्वविद्यालयों से आए अध्यापकों एवं शोधार्थियों ने भाग लिया Funding Agency SAP DRS-I

**31. Code of ethics for research followed by the departments**

- New challenges are incorporated while indulging in research process.
- Innovation and new interpretation of known facts be strengthened

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG	218	7	53	100%	100%
M. Phil.	421	8	12	100%	100%
Ph. D.	37	11	26	100%	100%
P.G. Dip. in Translation	44	8	9	100%	100%

**33. Diversity of students:**

Name of the Course(refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG	90	10	--	--
M. Phil.	90	10	--	--
Ph. D.	90	10	--	--
P.G. Dip. in Translation	90	10	--	--

**34.** How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- UGC-NET: 15

**35. Student progression**

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	09
PG to Ph.D.	15
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	-
Entrepreneurs	Nil



**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	35%
from other universities within the State	10%
from universities from other States	55%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**38. Present details of infrastructural facilities with regard to**

- |   |                  |
|---|------------------|
| a) <b>Library</b>                                     | Central library. |
| b) <b>Internet facilities for staff and students:</b> | N.A.             |
| c) <b>Total number of class rooms :</b>               | 03               |
| d) <b>Class rooms with ICT facility:</b>              | Nil              |
| e) <b>Students' laboratories:</b>                     | Nil              |
| f) <b>Research laboratories:</b>                      | Nil              |

**39. List of doctoral, post-doctoral students and Research Associates**

a) **from the host university:** 69 (Doctoral)

Amitesh Boken, Suman Sehrawat, Rashmi, Rajesh Kumari, Anjana Jain, Snehlata, Anuradha, Asha, Geetu, Babita Tanwar, Dinesh Kumar, Rajbir, Dushyant Kumar, Virender Singh, Sweety Dhull, Sonia, Jyoti Sharma, Priyanka Sharma, Archana, Anju Malik, Ramesh Kumar, Sonia Goel, Rekha, Balkesh, Maha Singh, Geeta Singh, Jitender Pal, Sunil, Vandana Sharma, Narender, Ritu Kaushik, Savita Dua, Meena Kumari, Vijay Pal, Swati Sharma, Vikas Kumar, Vikas Sharma, Manjeet, Rakhi, Surender Kumar, Sneh Lata Saini, Anuradha, Renu Sharma, Sanjeet, Babita Joon, Bindra Devi, Pushpa Devi, Baljinder, Manoj Kumar, Bijender, Rajesh Kumar, Meenakshi, Ashok, Suresh Kumar, Sushma Devi, Manita, Neelam Kumari, Kusum Lata, Gajan Lata, Pawan Kumar, Poonam, Rekha, Urmila Kumari, Reena Sharma, Yog Maya, Archana, Sandeep, Amit Kumar, Navneet Kumari

b) **from other universities:** Nil

**40. Number of post graduate students getting financial assistance from the university.**

- 43

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- No.

**42. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

Accordingly, amendments are being made.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Students fill Feedback Proforma and accordingly their suggestions/comments are being incorporated.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Being traditional programme, the Dept. doesn't have direct communication with employers. However, suggestions of alumni are given wheitage.

**43. List the distinguished alumni of the department (maximum 10):**

- |                 |                  |
|-----------------|------------------|
| • RanjanaDahiya | • Ajit Singh     |
| • ManjeetKumari | • Sunil Sharma   |
| • ManojHooda    | • Shamsher Singh |
| • Vikas         | • Indrawati      |
| • Sonia         |                  |

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Same as Point 30

**45. List the teaching methods adopted by the faculty for different programmes.**

- Interactive Teaching Method, Seminars and assignments, Group Discussion

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Students feedback is sought
- Through Evaluation of Term papers presented by students.

**47. Highlight the participation of students and faculty in extension activities.**

- Faculty Members and students are actively engaged in attending Seminars/Extension lectures.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

Participation and organization of Seminars/conferences/extension lectures

- to get information about the contemporary global developments
- to have a view of contemporary global literature
- to understand a strong bondage between society and literature beyond time and geography.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- N.A.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- A few teachers of the Dept. are known in Hindi literary world for their creative contribution i.e. short stories and poetry.
- Some teachers have won acclaim as critics and their works are often quoted by scholars at all India level.

**51. Future plans of the department.**

The Dept. plans to

- introduce 1-Year Language Proficiency course
- introduce 1-Year Diploma course in Woman Studies and Hindi Literature.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Highly qualified and learned faculty engaged in research activities

- b) Some faculty members are renowned for their creative contribution in Hindi Literature at National level
- c) The Department has been awarded SAP, DRS-I by UGC
- d) The Department has JRF/SRF/URS/Rajiv Gandhi Scholarship holders who in addition to their research activities generate financial resources for the University.
- e) In addition to teaching Hindi literature, the Dept. focuses to bring Haryanvi folk literature in light. Hence it is known for its research activities in the field of Haryanvi literature.

**B) Weakness:**

- a) The Department runs traditional courses i.e. M.A. and M. Phil. in Hindi. One course, P.G. Diploma in Translation, is of vocational nature. Hence students have little chances to get employment in this era of global competition.
- b) Because of rural background of maximum studies, their pronunciation is not upto the mark. This flaw breeds a sense of inferiority among the rural students which hampers their growth in competing with their counterparts from other Universities.

**C) Opportunities:**

- a) introducing new vocational courses
- b) establishing Language Lab
- c) providing opportunities to students to interact scholars of national and international repute.

**D) Challenges:**

- a) To introduce Language Proficiency course to correct the pronunciation of the students.
- b) To culminate creative spark in the students, apart from strengthening research activities.


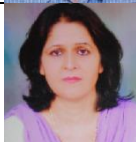


## Evaluative Report

### Department of Journalism & Mass Communication

- |   |                                    |
|---|------------------------------------|
| <b>1. Name of the Department :</b>  | Journalism & Mass<br>Communication |
| <b>2. Year of establishment:</b>  | 1988                               |
| <b>3. Is the Department part of a School/Faculty of the university?</b>   | Yes                                |
| <b>4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):</b> | MJMC, M.Phil,<br>Pre-Ph.D., Ph.D.  |
| <b>5. Interdisciplinary courses and departments involved:</b>   | NIL                                |
| <b>6. Courses in collaboration with other universities, industries, foreign institutions, etc. :</b>                  | NIL                                |
| <b>7. Details of programmes / courses discontinued, if any, with reasons:</b>   | NIL                                |
| <b>8. Annual/ Semester/Choice Based Credit System:</b>  | Semester System                    |
| <b>9. Participation of the department in the courses offered by other departments:</b>                                | NIL                                |
| <b>10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)</b>          |                                    |

	Sanctioned	Filled
Professor	-	-
Associate Professors	01	-
Assistant Professors	05	04

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Harish Kumar	Ph.D.	Professor	Print Media Cinema Studies	23	04	
Dr. Sarojini Nandal	Ph.D.	Associate Professor	Radio Journalism Advertising Political Communication	20	-	
Sumedha Dhani	M.J.M.C. M.A.(History of Art) UGC NET	Assistant Professor	Communication Theory & Research, women & Media	20	-	
Sunit Mukherjee	Ph.D.	Assistant Professor	Public Relations & corporate Comm. Media writing, Online Journalism	03	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:**  
M.J.M.C.: 6.25:1  
M.Phil: 3.3:1  
Pre-Ph.D.: 1:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	-	-
Administrative staff	02	02

**16. Research thrust areas recognized by funding agencies:** Nil

<b>17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.</b>	
• Dr. Harish Kumar from UGC	Rs. 2,88,000/-
<b>18. Inter-institutional collaborative projects and grants received</b>	Nil
a) All India collaboration	
b) International	
<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:</b>	Nil
<b>20. Research facility / centre with /</b>	Nil
• state recognition	
• national recognition	
• international recognition	
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>	Nil
<b>22. Publications: (from 2008-2012)</b>	
* Number of papers published in peer reviewed journals (national / international):	02
* Monographs:	Nil
* Chapters in Books:	Nil
* Edited Books:	Nil
* Books with ISBN with details of publishers:	Nil
* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):	Nil
* Citation Index – range / average:	Nil
* SNIP:	Nil
* SJR:	Nil
* Impact Factor – range / average :	Nil
* h-index:	Nil

23. **Details of patents and income generated:** Nil
24. **Areas of consultancy and income generated** Nil
25. **Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
26. **Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- **Editorial Boards:** Dr. Sumit Mukherjee
  - **any other (Board of Studies of other Univ.):** Prof. Harish Kumar  
Dr. Sarojini Nandal  
Dr. Sumit Mukherjee
27. **Faculty recharging strategies**
- Faculty members are encouraged to participate in Orientation Courses / Refresher Courses / Workshops / Faculty Development Programme(s), etc.
28. **Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**  
100 %
  - **percentage of students doing projects in collaboration with other universities / industry / institute**  
Nil
29. **Awards / recognitions received at the national and international level by:**
- **Faculty:** Nil
  - **Doctoral / Post-doctoral fellows:** Nil
  - **Students:** 02
30. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**
- Nil
31. **Code of ethics for research followed by the departments:** Yes, as per MDU rules

32. **Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.J.M.C.: (2008-2009)	175	18	3	-	-
M.J.M.C.: (2009-2010)	66	21	4	-	-
M.J.M.C.: (2010-2011)	111	21	4	-	-



M. Phil.: (2008-2009)	48	8	2	-	-
M. Phil.: (2009-2010)	41	4	6	-	-
M. Phil.: (2010-2011)	153	5	2	-	-
M. Phil.: (2011-2012)	96	7	3	-	-
Pre-Ph.D.: (2011-2012)	JET for M.Phil / Pre-Ph.D.	2	1	-	-

**33. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.J.M.C. 2008-12	About 90%	About 8-9%	About 1%	Nil
M.Phil 2008-12	67.56%	27.02%	5.40	Nil
Pre.Ph.D.	–	66.66%	33.3%	Nil
Ph.D. Post 2008	66.66%	33.33%	–	Nil

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- 03 (UGC-NET)

**35. Student progression**

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	~30
PG to Ph.D.	~07
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	Nil 50-55
Entrepreneurs	10

**36. Diversity of staff**



Percentage of faculty who are graduates	
of the same university	25%
from other universities within the State	25%
from universities from other States	50%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**38. Present details of infrastructural facilities with regard to**

- |   |                  |
|---|------------------|
| a) <b>Library</b>                                     | Central library. |
| b) <b>Internet facilities for staff and students:</b> | 100%             |
| c) <b>Total number of class rooms :</b>               | 03               |
| d) <b>Class rooms with ICT facility:</b>              | Nil              |
| e) <b>Students' laboratories:</b>                     | 01               |
| f) <b>Research laboratories:</b>                      | Nil              |

**39. List of doctoral, post-doctoral students and Research Associates**

- |  |               |
|--|---------------|
| a) <b>from the host university:</b>  | 13 (Doctoral) |
|  Preeti, Aparna, Yogesh, Sushil, Neha, Shruti, Pappo Kataria, Bharati, Rajiv Sanyal, Varun Vageesh, Ravinder Kumar, Monika, Manoj Kumar |               |
| b) <b>from other universities:</b>   | 13 (Doctoral) |
|  Rajiv Sanyal, Varun Vageesh, Ravinder Kumar, Monika, Manoj Kumar   |               |

**40. Number of post graduate students getting financial assistance from the university.**

- 20 (2008-2012)

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- Discussion(s) with academic/media Experts.

**42. Does the department obtain feedback from**

- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes
- c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes

**43. List the distinguished alumni of the department (maximum 10):**

- Gulshan Verma, News Editor, Dainik Jagran
- Hemant Attri, Executive Editor, Dainik Bhaskar
- Rakesh An, International Prize Winner Documentary film maker
- Bijendra Ahlawat, Senior Correspondent, the Tribune
- Naresh Kaushik, Senior Correspondent, PTI (BHASHA)
- B.R. Dhiman, P.R.O. to Governor, Haryana
- Megha Chawla, Correspondent/Sr. Copy Editor, nav Bharat Times
- Phuldeep Sheoran, Scientist-C (Science Comm.), D.S.I.D.C. D.R. D.O.
- Dr. Dav Vrat, Associate Professor, IMCMT, K.U., Kurukshetra
- Ravinder Kumar, Assistant Professor, CDLU, Sirsa

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

April 25,2012	Dr. Hemant Joshi, I.I.M.C. (New Delhi) Manjali Joshi, T.V. Anchor
Nov. 16, 2011 [National Press Day]	Sh. Omkar Chaudhary, Resident Editor, Hari Bhoomi Sh. Gian Singh, Veteran Journalist
May 3, 2011 [World Press Freedom Day]	Veteran Journalist & chairperson, Ch. Ranbir Singh Chair Sh. Gian Singh
April, 21, 2011 [Public Relations Day]	Ms. Seema, P.R.O., Pt.BDS University of Health Sciences, Rohtak
April 19, 2011 [Radio Road Show]	Ms. Suman Paul, Station Director, A.I.R. Rohtak
April 11, 2011 [special Lecture- Cyber Journalism]	Sh. Pradeep Saurabh; Noted Journalist

**45. List the teaching methods adopted by the faculty for different programmes.**

- Use of ICT resources, Role-Play, Discussion(s), Presentation(s), Project (s), Media Organization visit (s), Media Internship with guidance of Teacher (s), Seminar/Class Room Assignment(s)

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Dept. Meeting(s) are held programme schedules/future plans are chalked out  
Assessment of past work is done.

**47. Highlight the participation of students and faculty in extension activities.**

- Faculty members and students are involved in extension activities on regular basis. Activities like promotion of blood donation, eye donation, ears of aged, etc. Are encouraged in the dept. Faculty members participate in extension lecture(s) programme(s) in affiliated colleges/Univ. Teaching Depts., etc.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Declamation, Discussion(s), Creative Writing Session(s), etc. are organised in the department.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Yes, Academic Audit of the Dept. Was got done from an outside Internal Quality Monitoring Expert (Outside Expert).

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Nil.

**51. Future plans of the department.**

- Establishment of T.V. Studio
- Establishment of Community Radio Station (CRS).
- Introduction of Course(s) in Electronic Media.
- Establishment of Multi-Media Laboratory.
- Initiating Community service related activities.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Competent well qualified teaching staff.
- b) Dept.'s well-placed alumni base.
- c) Training arrangements with A.I.R., Rohtak.
- d) Training with Directorate of Info. & Public Relations, Govt. of Haryana.

- e) Modern Electronic Media (Radio Studio & T.V. Studio) infrastructure is being developed.

**B) Weakness:**

- a) Lack of spacious, separate building for the department.
- b) Lack of modern computer/Multi-Media Lab.
- c) Lack of Technical personnel vis-a-vis Electronic Media.
- d) Restricted professional student base as Journalism & Mass Communication Course(s) at U.G. Level is available in selected colleges affiliated to M.D. University.

**C) Opportunities:**

- a) Establishment of Community Radio Station (CRS)
- b) Establishment of modern T.V. Studio (work ongoing)
- c) Establishment of Industrial Modern Township (IMT), adjoining Rohtak, and arrival of corporate Sector therein, provide an opportunity for introducing course(s) in Corporate Communication, Integrated marketing communication etc., and training programme(s) on managerial communication.

**D) Challenges:**







- a) Introduction of journalism & Mass Communication Course(s) by Media Houses/organization(s) Like Jagran Institute of Mass Communication, Times School of Journalism, AajTak Institute, J.R. Media Institute, etc. is posing serious challenge to Traditional University's Dept. of Journalism & Mass Communication, including this department.
- b) Attitudinal transformation of students, belonging to rural areas, in developing professional attitude towards media career.
- c) Hesitancy of students to move out of Rohtak, and Haryana for career opportunities in Delhi, Chandigarh, beyond the confines of NCR restricts their employ ability, and is a challenges
- d) Limited job opportunities in Govt. Sector, which is primary motive of students of this state, is a restrictive factor for growth of the Dept.
- e) Introduction of Journalism & Mass Communication at UG Level, as well as 10+2 level in schools.

## Evaluative Report Department of Sanskrit, Pali & Prakrit

1. **Name of the Department :** Sanskrit, Pali & Prakrit
2. **Year of establishment:** 1978
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.A., M.Phil., Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	01	-
Associate Professors	01	01
Assistant Professors	08	06

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Asha	M.A., Ph.D.	Professor	Grammar and Literature	30	9	
Dr. Surinder Kumar	M.A, Ph.D.	Professor	Philosophy and Veda	29	8	
Dr. Krishna Acharya	M.A, Ph.D.	Associate Professor	Veda and Grammar	29	4	
Dr. D. P. Kularia	M.A, Ph.D.	Associate Professor	Grammar and Veda	31	2	
Dr. Sunita Saini	M.A, Ph.D.	Assistant Professor	Philosophy and Literature	4	-	
Sh. Shree Bhagwan	M.A, M.Phil	Assistant Professor	Philosophy	joined on 25.6.2012	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:**

M.A.:	18:1
M.Phil:	2:1
Pre-Ph.D:	14:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	-	-
Administrative staff	02	02

- 16. Research thrust areas recognized by funding agencies:** Epic (Valmiki Ramayana) in Agencies SAP by UGC
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**
- Major Research Project on “Shrout Yajna Evam Anushthana Kosha” funded by UGC Rs. 4,63,000/-
  - Major Research Project on “Technical Terms in Surya Sidhanta” funded by UGC approximate 9 lac
- 18. Inter-institutional collaborative projects and grants received**
- a) All India collaboration  
b) International
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:** UGC-SAP: 39 lac + 2 Project Fellows
- 20. Research facility / centre with /**
- state recognition
  - national recognition
  - international recognition
- 21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil
- 22. Publications: (from 2008-2012)**
- \* Number of papers published in peer reviewed journals (national / international): 24
  - \* Monographs: Nil
  - \* Chapters in Books: Nil
  - \* Edited Books: 01



- \* **Books with ISBN with details of publishers:** 01 (ISBN-13,978-81-908899)  
Devesh Publications Delhi
- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** Nil
- \* **Citation Index – range / average:** Nil
- \* **SNIP:** Nil
- \* **SJR:** Nil
- \* **Impact Factor – range / average :** Nil
- \* **h-index:** Nil
23. **Details of patents and income generated:** Nil
24. **Areas of consultancy and income generated** Nil
25. **Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
26. **Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Nil
27. **Faculty recharging strategies**
- Faculty members are encouraged to participate in orientation Courses/Refresher Courses/Workshops/Faculty Development Programme(s), etc.
28. **Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**  
✚ Nil
  - **percentage of students doing projects in collaboration with other universities / industry / institute**  
✚ Nil
29. **Awards / recognitions received at the national and international level by:**
- **Faculty:** 01
  - **Doctoral / Post-doctoral fellows:** Nil
  - **Students:** Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Seminar	Date	Funding Agency	Outstanding Participants
Ved EvamVed Vyakahar	3,4 March, 2012	Sahitya Academy, Delhi	Dr. Ranvir Singh, Director, IS & IS, KUK Dr. Bhim Singh, Prof. Dept. of Skt. KUK Dr. Virender Kumar Alankar, Prof., Dept. of Skt, Punjab Uni. Chandigarh Dr Kamlesh Kumar Choksi, Prof., Dept. of Skt. Gujrat Uni. Ahamdabad Dr. Ved Pal, Retd. Prof., Barouth, Meerut Dr. B.K.Dali, Advance Study Centre of Vedic Studies, Pune
Sanskrit Sahitya Mein Arth Chintan	29 March, 2012	Haryana Sanskrit Academy	Dr. Satyavrat Shastri, Retd. Prof., New Delhi Dr Sunita Saini, Asstt. Prof., Dept.of Skt Pali & Prakrit, MDUR Dr. Sudhir, Director, Sahitya Academy
Valmiki Ramayan Ke Vividh Paksha	30 March, 2012	UGC	Dr. Prabhu Nath Dewadi, BHU, Varanasi Dr. Sudhir Kumar, Asstt. Prof. Dept. of Veda, GKU, Haridwar
Vedic Chintanki Prasangitkata	29,30 May, 2012	Maharshi Sandipini Ved Vidya Pratisthan, Ujjain	Dr. C.Upender Rav, Special Centre for Sanskrit Studies, JNU, Delhi Dr. Shashi Prabha Kumar Prof. Special Centre for Sanskrit, Studies JNU, Delhi Dr Kamlesh Kumar Choksi, Prof, Dept. of Skt. Gujrat Uni. Ahmedabad Dr. Vikram Kumar Viveki, Prof. Dept. of Skt. Punjab Uni. Chandigarh Dr. Dharamvir, Ajmer Dr. Ved Parkash Shastri, Prof, GKU, Haridwar Dr. Mahavir Aggarwal, GKU, Haridwar

## Workshops

- Workshop was held on the Topic “Jeevatma Bodh” on 23<sup>rd</sup>-25th November, 2011 online. Funds organized by the participants. The spoke persons were Dr. Surinder Kumar, Prof. Dept. of Sanskrit, MDUR and Dr. S. Parkash, MDG, New York, USA
- Workshop was held on the topic “Traitvad “on 2012. The funds organized by Dept. of Skt., MDUR. Spoke persons was Dr. Parkash, MDG, New York, USA

**31. Code of ethics for research followed by the departments:** Yes, as per MDU rules

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A	127	38	27	65	70
M.Phil/Pre-Ph.D.	166	10	10	90	100
Ph.D.	21	7	5	90	90

**33. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A	96.92%	3.08%	Nil	Nil

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- 17 (UGC-NET)

**35. Student progression**

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	25
PG to Ph.D.	20
Ph.D. to Post-Doctoral	NA

Employed	
• Campus selection	Nil
• Other than campus recruitment	20
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	25%
from other universities within the State	12.5%
from universities from other States	62.5%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**38. Present details of infrastructural facilities with regard to**

- |   |                 |
|---|-----------------|
| a) <b>Library</b>                                     | Central library |
| b) <b>Internet facilities for staff and students:</b> | 100%            |
| c) <b>Total number of class rooms :</b>               | 03              |
| d) <b>Class rooms with ICT facility:</b>              | Nil             |
| e) <b>Students' laboratories:</b>                     | 01              |
| f) <b>Research laboratories:</b>                      | Nil             |

**39. List of doctoral, post-doctoral students and Research Associates**

- |                                     |     |
|-------------------------------------|-----|
| a) <b>from the host university:</b> | Nil |
| b) <b>from other universities:</b>  | Nil |

**40. Number of post graduate students getting financial assistance from the university.**

- 04

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- N.A.

**42. Does the department obtain feedback from**

- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes

the Department revises the syllabi from time to time accordingly.

- b) **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** Yes

The problems of the students addressed accordingly

- c) **alumni and employers on the programmes offered and how does the department utilize the feedback?** Yes

The Department follows the instructions as given by the employer from time to time

**43. List the distinguished alumni of the department (maximum 10):**

- Dr. B.S. Mehra, Professor, Department of Sanskrit
- Dr. Krishna Acharya, Associate Professor, Department of Sanskrit
- Dr. D.P. Kularia, Associate Professor, Department of Sanskrit
- Dr. Sunita Saini, Assistant Professor, Department of Sanskrit
- Dr. Devender Singh, Associate Professor, Vaish College, Rohtak
- Dr. Sudhir Kumar, Assistant Professor, JNU, Delhi
- Sh. Shree Bhagwan, Assistant Professor, Dept. of Sanskrit
- Dr. Pawan Hooda, Jat College, Sonapat
- Dr. Parkash Kaur, Jat College, Rohtak
- Dr. Jagdambe, Govt, College, Bhawal

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.****Workshops**

- Workshop was held on the Topic “Jeevatma Bodh” on 23<sup>rd</sup> -25<sup>th</sup> November, 2011 online. Funds organized by the participants. The spoke persons were Dr. Surinder Kumar, Prof. Dept. of Skt, MDUR and Dr. S. Parkash, MDG, New York, USA
- Workshop was held on the topic “Traitvad” on 2012. The funds organized by Dept. of Skt, MDUR. Spoke persons was Dr. Parkash, MDG, New York, USA

The following Professors delivered the Extension lectures in 2010

- Prof. Upender Rao, JNU, Delhi
- Prof. Icha Ram Devidi, LBS Uni. Delhi
- Prof. Ranvir Singh, IS & IS KUK.

The following Professors delivered the Extension lectures in 2011

- Prof. Ishwar Singh, Retd. From MDU
- Prof. Lekh Ram Sharma, GNDU, Amritsar
- Prof. S.K. Bhardwaj, Retd. From MDU

**45. List the teaching methods adopted by the faculty for different programmes.**

- Lecture, Black Board, LCD Projector, Discussion

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Class Tests, Internal Assessment, Assignment.

**47. Highlight the participation of students and faculty in extension activities.**

- Seminars 15
- Workshops 5
- Conferences 5
- Refresher courses 1.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Extension lectures, Seminars etc.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- No.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- N.A.

**51. Future plans of the department.**

- To prepare an encyclopedia of Valmiki Ramayana
- To establish one computer cum language lab.

- To start a job oriented diploma in “Ancient Indian Art of Living” with the emphasis on Ethic, Yoga and Meditation
- To strengthen the existing project library.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Highly qualified and experienced faculty
- b) Continuous updating of curriculum in the light of contemporary trends and requirements in the field of language and literature.
- c) Vast repository work available in Sanskrit
- d) Strong, Democratic and Scientific System of Departmental Administration.
- e) A wide network of the Gurukuls and Oriental Pathashalas associated/affiliated to the University.

**B) Weakness:**

- a) Lack of attractive job opportunities after studying Sanskrit.
- b) Lack of good students coming and opting for higher studies in Sanskrit.
- c) Shortage of physical infrastructure.
- d) Insufficient number of staff positions.

**C) Opportunities:**

- a) Restoration and translation of the ancient texts for easy understanding of general public.
- b) Patenting of ancient knowledge written in Sanskrit scriptures.
- c) Leverage on the scientific nature of the language to induce more people in study of Sanskrit.
- d) Growing interest of people in Vastu, Astrology and Karamakanda.
- e) Growing interest of modern linguists in the subject.

**D) Challenges:**

- a) Increasing privatization of education
- b) Growing inclination of students towards technology oriented courses.
- c) Lack of quality subject experts coming up in the future.
- d) Low awareness and misconceptions about the subject.

## Evaluative Report Department of Law

1. **Name of the Department :** Law
2. **Year of establishment:** 1978
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** LL.B.(Hons) 5-Year Integrated Course, LL.B.(Hons) 3-Year Course (Morning & Evening), LL.M., Pre-Ph.D.(Course), Ph.D.
5. **Interdisciplinary courses and departments involved:** No
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** No
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** Nil
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**







	Sanctioned	Filled
Professor	02	01
Associate Professors	01	01
Assistant Professors	26	23



**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. KPS Mahalwar	LL.M., Ph.D.	Professor	Law of Torts	33	05	
Dr. Naresh Kumar	LL.M., Ph.D.	-do-	Environmental Law	23	04	
Prof. Promila Chugh	LL.M., Ph.D.	Head & Dean	Taxation Law	28	06	
Dr. Badruddin	LL.M., Ph.D.	Professor	Company Law	22	05	
Dr. Preet Singh	LL.M., Ph.D.	-do-	Family Law	23	08	
Dr. Suman Lata	M.A., M.Phil., Ph.D.	Associate Professor	Indian Politics	28	-	
Dr. Neena Vashishth	M.A., Ph.D.	-do-	International Economics	28	-	
Dr. A.S. Verma	M.A., M.Phil., Ph.D.	-do-	Sociology of Law & Legal Profession	28	-	
Dr. Asha Sharma	M.A., Ph.D.	-do-	Afro-American fiction	28	-	

Dr. S.S. Shilwant	LL.M., Ph.D.	Associate Professor	Constitutional Law	21	02	
Dr. A.S. Dalal	LL.M., Ph.D.	-do-	Corporate Law	22	03	
Dr. Vimal Joshi (on deputation)	LL.M., Ph.D.	-do-	Commercial Law	19	04	
Dr. A.S. Kajal	M.A., Ph.D.	-do-	Gadhya Sahitaya	14	-	
Dr. Anju Khanna	M.A., M.Phil, Ph.D.	-do-	Modern History	14	-	
Dr. Kavita Dhull	LL.M., Ph.D.	Assistant Professor	Criminal Law	14	-	
Mrs. Neelam Kadyan	LL.M.	-do-	Environmental Law	3.5	-	
Dr. Jiender Singh Dhull	LL.M., Ph.D.	-do-	Constitutional Law	3.5	-	
Mrs. Pratima Devi	LL.M.	-do-	Family Law/ Criminal Law	3.5	-	
Dr. Yogender Singh	LL.M., Ph.D.	-do-	Constitutional Law	3.5	-	

Dr. Satya Pal Singh	LL.M., Ph.D.	Assistant Professor	Family Law	3.5	-	
Dr. Sonu	LL.M., Ph.D.	-do-	Family Law	3.5	-	
Dr. Jaswant Saini	LL.M., Ph.D.	-do-	Corporate Law	3.5	-	
Mrs. Anusuya Yadav	LL.M.	-do-	Commercial Law	3.5	-	
Dr. Ved Pal Singh	LL.M., Ph.D.	-do-	Military Law	5	-	
Dr. Surender S. Dahiya	LL.M., Ph.D.	-do-	Corporate Law	1.5	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:** 50:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	07	05
Administrative staff	06	05

**16. Research thrust areas recognized by funding agencies:**

- N.A.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise. Nil
18. Inter-institutional collaborative projects and grants received Nil  
 a) All India collaboration  
 b) International
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.  
 • Nil
20. Research facility / centre with / Nil  
 • state recognition  
 • national recognition  
 • international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies  
 • Nil
22. Publications: (from 2008-2012)
- \* Number of papers published in peer reviewed journals (national / international): 200
- \* Monographs: Nil
- \* Chapters in Books: 20
- \* Edited Books: 01
- \* Books with ISBN with details of publishers: 15

S. No.	Name of the Book	Author's Name	Publisher	ISBN/ISSN No.
1.	उपन्यास कार राजेंद्र यादव समाजशास्त्रीय अध्ययन	अजमेर सिंह काजल	सजय प्रकाशन, दरियागंज अंसारी रोड, नई दिल्ली	81-7453-054-1
2.	गणतंत्र के नायक; कहानी संग्रह	अजमेर सिंह काजल	श्रीनरराजप्रकाशन, नई दिल्ली	0978-93-81350-14-0
3.	अब मेरी बारी है ; कविता संग्रह	अजमेर सिंह काजल	श्रीनरराजप्रकाशन, नई दिल्ली	0978-93-81350-11-9
4.	छलितचिंतन के आयाम	अजमेर सिंह काजल	श्रीनरराजप्रकाशन, नई दिल्ली	0978-93-81350-13-3
5.	James Baldwin – Protest and Beyond: A Study of Afro-American Fiction	Asha Sharma	Rajat Publication, New Delhi	81-7880-166-3

6.	Legal and Constitutional History of India	S.S. Shilwant	Sanjay Prakashan, Ansari Road, Dariya Ganj, New Delhi	81-7453-091-6
7.	Turning Points in Indian Legal and Constitutional History	S.S.Shilwant	R.K.Publications, Subhash Nagar, Rohtak	-
8.	Know Your Legal Rights (Jaaniya Aapke Kanooni Adhikar)	S.S. Shilwant	Sathee Prakashan, C-19, Amar Colony, Nangloi, Delhi	-
9.	Ideal Matrimonial life alongwith Matrimonial Laws (Adarsh Dampatya Jeewan, Viwah Sambandhi Kanooni Pravdhanon Sahit)	S.S. Shilwant	Sathee Prakashan, C-19, Amar Colony, Nangloi, Delhi	
10.	Pleadings, Drafting and Conveyancing by R.N.Chaturvedi and Dr. S.S.Shilwant	S.S. Shilwant	Central Law Publications, 107 Darbhanga Castle, Allahabad-2 UP	978-81-908613-8-0
11.	How to get rid of Ragging (Ragging Se Mukti Kaise)	S.S. Shilwant	Sathee Prakashan, C-19, Amar Colony, Nangloi, Delhi	-
12.	Constitutional Rights of Prisoners	Naresh Kumar	Mittal Publications, New Delhi	-
13.	Air Pollution and Environment Protection	Naresh Kumar	-do-	81-7099-721-6
14.	Indian Constitution and Weaker Sections (Edit) Co-author Prof. K.P.S. Mahalwar	Naresh Kumar	The Bright Law House, New Delhi	-
15.	Management Workers Participation and the Law	Badruddin	Deepa Deep Publication, New Delhi	81-7100-307-4
16.	Land Revenue Law	Badruddin	Ashish Publishing House, New Delhi	81-7629-206-1
17.	पंचायत एवं भूमि संबंधित कानून	बदरुददीन	दिलाहोम, रोहतक	-
18.	राजस्व कानून एवं पंचायती कानून की व्याख्या	बदरुददीन	दिलाहोम, रोहतक	-
19.	Commentary on Land Laws & Panchayat Laws	Badruddin	The Law Home, Rohtak	-
20.	A Text Book on Revenue Laws and Panchayat Laws	Badruddin	The Law Home, Rohtak	-
21.	History of India-Political and Legal Trend	Anju Khanna	The Bright Law House, Delhi	-

22.	भारत का इतिहास	अंजु खाना		-
23.	Medical Negligence and the Law	K. P. S. Mahalwar	Deep & Deep	81-7100-298-6

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** Nil
- \* **Citation Index – range / average:** Nil
- \* **SNIP:** Annexure – III
- \* **SJR:** Annexure – III
- \* **Impact Factor – range / average :** Nil
- \* **h-index:** Nil
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Dr. S.S. Shilwant, Link Member of Anti-ragging constituted by the Supreme Court of India
  - Prof. K.P.S. Mahalwar
    - ✚ Member of various Committee constituted by UGC, New Delhi
    - ✚ Member of Academic Council at National Law Uni., Ranchi
    - ✚ Member of Editorial Board “Vidhigya” Gaziabad
    - ✚ Member of Advisory Board of Mahila Vidhi Bharti, New Delhi
    - ✚ Member of BOS, HPU, Shimla
    - ✚ Member of BOS, PU, Chandigarh
    - ✚ Member of BOS, Kuman University, Nainital
    - ✚ Member of Research Committee, CCSU, Meerut
    - ✚ Member of BOS, N.L. University, Delhi
    - ✚ Member of BOS, PU, Patiala
    - ✚ Expert Member Legal Education Committee, Uttarakhand Technical University, Dehradun

- Prof. Badruddin, Member of Advisory Committee, Cochin University of School of Legal Studies Science & Technology, Kochi
- Prof. Naresh Kumar, Outside Expert and Member, RDC, Faculty of Law, H.P. University, Shimla (HP)

### 27. Faculty recharging strategies

- Through Refresher and Orientation Courses, Seminars, Workshops.

### 28. Student projects

- **percentage of students who have done in-house projects including inter-departmental projects**

✚ Nil

- **percentage of students doing projects in collaboration with other universities / industry / institute** Nil

### 29. Awards / recognitions received at the national and international level by:

- **Faculty:** Nil
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** Nil

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- Organized a Seminar on “Right to Equality: Emerging Trends on 26-27 November, 2010, Sponsored by ICSSR
- Organized a Seminar on the theme “Environmental and Law” on 26-27 February, 2011, Sponsored by ICSSR

### 31. Code of ethics for research followed by the departments:

- As prescribed by the UGC & University

### 32. Student profile course-wise: (2011-12)

Admissions are done through JNU common entrance test

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.A. LL.B. Hons (5-Year)	860	123	37	55	60
LL.B. Hons (3-Year Morning)	694	67	14	54	65
LL.B. Hons (3-Year Evening)	390	- -		50	60
LL.M. 2-Year Course	230	14	17	80	85
Pre-Ph.D.	117	06	03	100	100
Ph.D.	10	02	08	100	100

**33. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
LL.B, LL.M. Ph.D. Course	74%	10%	15%	3%

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Examination	Qualified
NET	19
Defence Services	19
Other services	47
Any other specify/judicial services	61

**35. Student progression**

Student Progression	Percentage%
UG to PG*	2.5
PG to M.Phil.*	NA
PG to Ph.D.	30
Ph.D. to Post-Doctoral	-
Employed	
Campus selection	-
Other than campus recruitment	25
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	90%
from other universities within the State	-
from universities from other States	10%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:**

04



- 38. Present details of infrastructural facilities with regard to**
- |   |                       |
|---|-----------------------|
| <b>a) Library</b>                                     | Departmental library. |
| <b>b) Internet facilities for staff and students:</b> | 100%                  |
| <b>c) Total number of class rooms :</b>               | 19                    |
| <b>d) Class rooms with ICT facility:</b>              | Nil                   |
| <b>e) Students' laboratories:</b>                     | 01                    |
| <b>f) Research laboratories:</b>                      | Nil                   |
- 39. List of doctoral, post-doctoral students and Research Associates**
- |                                     |               |
|-------------------------------------|---------------|
| <b>a) from the host university:</b> | 10 (Doctoral) |
| <b>b) from other universities:</b>  | Nil           |
- 40. Number of post graduate students getting financial assistance from the university.**
- Three URS
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
- Nil.
- 42. Does the department obtain feedback from**
- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes
- It is discussed in Departmental Committee meetings from time to time.
- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** Yes
- HOD is always open to the students and the feedback received from them is discussed with the staff from time to time.
- c) alumni and employers on the programmes offered and how does the department utilize the feedback?** Yes
- Alumni meeting is organized by the Department, suggestions received from the Alumni and various employers, are taken care by the Department while formulating in its policies.

**43. List the distinguished alumni of the department (maximum 10):**

- Justice Surya Kant, Punjab & Haryana High Court, Chandigarh
- Justice Jaswant Phogat, Punjab & Haryana High Court, Chandigarh
- Sh. Mahesh Aggarwal, IPS, DIG, CBI, Chandigarh
- Sh. Virender Aggarwal, Distt. Judge, Sangrur
- Sh. Sanjeev Jain, Distt. Judge, Delhi
- Sh. Sidharth Batra, Additional Advocate General, Haryana
- Sh. Subhash Godara, Additional Advocate General, Haryana
- Prof. S.K. Bhatnagar, Dr. Bhim Rao Ambedkar University, Lucknow
- Prof. J.L. Kaul, Incharge, Campus Law Centre, Delhi University, Delhi
- Prof. D.K. Bhatt, Kauman University, Nainital

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Special Lectures (08)
  - ✚ Prof. J.K. Jaul, Prof. Incharge, Central Law College, Delhi
  - ✚ Prof. G.S. Bahri, Dean, Faculty of Law, University of Delhi, Delhi
  - ✚ Mr. Purshotam Sharma, Advocate, Supreme Court of India, New Delhi
  - ✚ Prof. M.A. Wani, Faculty of Law, GGSIP University, Dwarka, Delhi
  - ✚ Prof. Amar Singh Sankhyan, National Law University, Delhi
  - ✚ Prof. Ranbir Singh, Vice-Chancellor, National Law University, Delhi
  - ✚ Prof. P.S. Jaswal, VC, Rajiv Gandhi National Law University, Patiala
  - ✚ Prof. V.K. Aggarwal, Director, University Institute of Legal Studies, Kurukshetra University, Kurukshetra
- Seminar (02)
  - ✚ A Seminar on “Right to Equality Emerging Trends” on 26-27 Nov., 2010.
  - ✚ A Seminar on “Environment & Law” sponsored by ICSSR (NW Regional) on 26-27, February, 2011.

**45. List the teaching methods adopted by the faculty for different programmes.**

- Lecture and Seminar Method.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Feedback from Alumni.

**47. Highlight the participation of students and faculty in extension activities.**

- Legal Literacy Programme for general public, NSS activities, Blood Donation Camp.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Nil.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- N.A.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Nil.

**51. Future plans of the department.**

- To start LL.B. (Hons.) 5-Year Integrated Course
- Diploma in Labour Law, IPR, Taxation Law etc.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Considerable numbers of students of this Department are selected in Judiciary.
- b) Almost every faculty member having Doctoral Degree
- c) Department is successful by running LL.B.(Hons.) 5-Year Integrated Course w.e.f. 1978 i.e. before opening of National Law School/University in India.

**B) Weakness:**

- a) Lack of global exposure of the students
- b) Lack of guidance for job placement
- c) Absence of well-furnished moot court.

**C) Opportunities:**

- a) High Court and Supreme Court Judges and subordinate judicial services
- b) Law Teaching and Research

- c) Legal Professionals in Corporate World and MNCs.
- d) Officers in Prosecution Department, Officers in A.G. Office and Professional Lawyers.
- e) New Employment avenues in LPOs, Insurance Companies, Banks etc.

**D) Challenges:**



- a) Draining of Human resource due to privatization of legal education.
- b) Higher Pay packages in education in private sector.
- c) Attractive courses offered by the Private Educational Institutions.
- d) Growth of distance and open learning system.

## Evaluative Report Centre for Bioinformatics

1. **Name of the Department :** Centre for Bioinformatics
2. **Year of establishment:** 2011
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc., Pre-PhD, Ph.D.
5. **Interdisciplinary courses and departments involved:** (Ph. D) Departments of Faculty of Life Sciences, Dept. of Pharmaceutical Sciences
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** Various departments of faculty life sciences
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	-	-
<b>Associate Professors</b>	<b>01</b>	-
<b>Assistant Professors</b>	<b>04</b>	<b>02</b>

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Mahesh Kulharia	Ph.D.	Assistant Professor	Chemoinformatics & Drug Design	4.5	
Dr. Ajit Kumar	Ph.D.	Assistant Professor	Computational Biology & Toxicology	06	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** 50%

**14. Programme-wise Student Teacher Ratio:** 10:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	02	-
Administrative staff	02	01

**16. Research thrust areas recognized by funding agencies:** Drug Design; Systems Biology; Chemoinformatics & Molecular Modelling; Computational Biology; Genomics; Toxicology; Computational Interactomics.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S.No	Name	Project Title	Name of Funding Agency	Grant received/ sanctioned (Lakhs)
(i)	Dr. Mahesh Kulharia	To develop a support vector machine tool for identification of unique protein -protein interaction sites with lowest drug cross reactivity potential	UGC	6.78

**18. Inter-institutional collaborative projects and grants received**

Nil

**a) All India collaboration**

**b) International**

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:**

Nil

**20. Research facility / centre with /**

Nil

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications: (from 2008-2012)**

**\* Number of papers published in peer reviewed journals (national / international):**

14

**\* Monographs:**

Nil

**\* Chapters in Books:**

Nil

**\* Edited Books:**

Nil

**\* Books with ISBN with details of publishers:**

Nil

- |   |                            |
|---|----------------------------|
| * <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b> | 14                         |
| * <b>Citation Index – range / average:</b>  | Range: 5-44, Average: 7.64 |
| * <b>SNIP:</b>  | -                          |
| * <b>SJR:</b>   | -                          |
| * <b>Impact Factor – range / average :</b>  | 0.3-8 Average: 1.881       |
| * <b>h-index:</b>   | 17                         |
| <b>23. Details of patents and income generated:</b>   | Nil                        |
| <b>24. Areas of consultancy and income generated</b>  | Nil                        |
| <b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>  |                            |
| • Nil   |                            |
| <b>26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):</b>   |                            |
| • Nil.  |                            |
| <b>27. Faculty recharging strategies</b>  |                            |
| Through various ICT technologies and faculty development programmes through training, workshops, seminars, conferences etc.   |                            |
| <b>28. Student projects</b>   |                            |
| • <b>percentage of students who have done in-house projects including inter-departmental projects</b>   |                            |
| 📊 100 % - dissertation work   |                            |
| • <b>percentage of students doing projects in collaboration with other universities / industry / institute</b>  |                            |
| 📊 Nil   |                            |
| <b>29. Awards / recognitions received at the national and international level by:</b>   |                            |
| • <b>Faculty:</b>   | 02                         |
| • <b>Doctoral / Post-doctoral fellows:</b>  | 01 (CSIR-JRF)              |
| • <b>Students:</b>  | 01 (GATE)                  |
| <b>30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.</b>                                       |                            |
| • National Workshop on Molecular Evolution and Phylogenetics on Oct 21-22, 2011. Supported by Dept. Of Biotechnology, Ministry of Sc. & Tech., Govt. Of India, New Delhi.                         |                            |



- National Workshop on Bioinformatics on September 14-16, 2010. Supported by Dept. Of Biotechnology, Ministry of Sc. & Tech., Govt. Of India, New Delhi

31. Code of ethics for research followed by the departments: As per MDU rules

32. Student profile course-wise:(2012-13)

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (Bioinformatics)	42	2	7	22%	78%

33. Diversity of students: (2011-12)

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Bioinformatics)	33%	12%	55%	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Examination	Qualified
GATE	one

35. Student progression

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	NIL*
Ph.D. to Post-Doctoral	NIL*
Employed	
• Campus selection	NIL*
• Other than campus recruitment	NIL*
Entrepreneurs	NIL*

\*1<sup>st</sup> M.Sc. batch will be passing out in 2012.

**36. Diversity of staff****Percentage of faculty who are graduates**

<b>of the same university</b>	NIL
<b>from other universities within the State</b>	50%
<b>from universities from other States</b>	50%
<b>from universities outside the country</b>	NIL

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**38. Present details of infrastructural facilities with regard to**

<b>a) Library</b>	Central library
<b>b) Internet facilities for staff and students:</b>	100%
<b>c) Total number of class rooms :</b>	02
<b>d) Class rooms with ICT facility:</b>	01
<b>e) Students' laboratories:</b>	02
<b>f) Research laboratories:</b>	02

**39. List of doctoral, post-doctoral students and Research Associates**

<b>a) from the host university:</b>	Nil
<b>b) from other universities:</b>	01 (Ms. Vandana Saini)

**40. Number of post graduate students getting financial assistance from the university.**

- One

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- Faculties and scientists of other universities/Institutes are consulted in person for curriculum development and developing lab facility for PG course.

**42. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes

Feedbacks from faculty are taken into consideration in the meetings of committee in

the revision of syllabus, to design elective courses as well as to include new add-on courses.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Through feedback Performa before the dispersal of classes in each semester. Feedbacks from students are taken into consideration in the meetings of committee, for designing of course content, syllabi, examination methods, to analyses teachers involvement, quality of teaching, facilities of library and laboratories etc.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

Newly established department; No alumni yet.

**43. List the distinguished alumni of the department (maximum 10): Nil**

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Newly established department; Student enrichment programme on agenda of action.

**45. List the teaching methods adopted by the faculty for different programmes.**

- LCD projectors; online facility and Multimedia.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Through internal assessment and as per IQAC guidance.

**47. Highlight the participation of students and faculty in extension activities.**

- Department also organized quiz competition, poster presentation, debate competition, etc. Department has organized interdepartmental cultural programme as BIOFEST on February 28, 2012.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- M.Sc. and Pre-Ph.D. students are encouraged for research paper reading and guided review paper writing.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Yes, NAAC

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Budding department; visible contributions are to come in future.

**51. Future plans of the department.**

- Starting of M. Phil. Programme, to apply for UGC Innovative Programme.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) The teaching faculty members are young, energetic and enthusiastic, working beyond office hours.
- b) The diverse specializations of the already working faculty in the department in terms of research as well as modern teaching methods and internet skills etc. are exemplary.
- c) The department has received 1<sup>st</sup> research project (UGC funded) and is in process of applying for more extra-mural grants from different funding agencies.
- d) The faculty has research publications in the international and national journals with impact factors.

**B) Weakness:**

- a) Computational facility needs to be upgraded and improvised for teaching and research programmes.
- b) Teaching and non-teaching staff vacancy needs to be filled up.
- c) Climatic conditions not suitable for working with high speed processors (i5-next gen & i7) computers during hot and humid months of May-August. It is a major weakness to be attended for a department whose output is dependent mainly on computational speed and ability.
- d) Major paid journals needs to be made available freely online at university website through portals like Science Direct, etc.
- e) A start up grant is needed to be given to the newly joined faculty members.

**C) Opportunities:**

- a) The department is working in conjunction with DBT-funded Bioinformatics Facility (BIF).
- b) Planning to start M.Phil. in Bioinformatics.
- c) Planning to start innovative course in computational biology.

**D) Challenges:**

- a) The intake in the Post graduate courses at the feeder level should be qualitatively improved being declining strength at UG level.
- b) Job opportunities being restricted as stated above.
- c) All the weakness as quoted above need to be redressed immediately for the improvement and growth of the department being newly created.

## Evaluative Report Centre for Biotechnology

1. **Name of the Department :** Centre for Biotechnology
2. **Year of establishment:** 2006
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc.-Biotechnology,  
M.Sc.- Agricultural  
Biotechnology  
Pre-Ph.D. and Ph.D.
5. **Interdisciplinary courses and departments involved:** Ph.D. (Biochemistry)
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Research programmes are in collaboration with national universities & various foreign institutions
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** Nil

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	-	-
<b>Associate Professors</b>	<b>02</b>	<b>02</b>
<b>Assistant Professors</b>	<b>08</b>	<b>08</b>

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. S. K. Gakhar	M.Sc., Ph.D.	Professor	Genetic Engineering & Immunology	28	13	
Dr. P. K. Jaiwal	M.Sc., Ph.D.	Professor	Plant Genetic Engineering	27	15	
Dr. P. Mehta	M.Sc., Ph.D.	Associate Professor	molecular biology of <i>M. tuberculosis</i>	23	-	
Dr. A. K. Chhillar	M.Sc., Ph.D.	Associate Professor	Antimicrobial molecules and Proteomics	11	1	
Dr. Ritu Gill	M.Sc., Ph.D.	Assistant Professor	Molecular Biology & Malaria	3	-	
Dr. Vikas Hooda	M.Sc., Ph.D.	-do-	Biosensor & Nanotechnology	7	-	
Dr. Samunder	M.Sc., Ph.D.	-do-	Virology	2	-	
Dr. Sarvjeet Gill	M.Sc., Ph.D.	-do-	Molecular Plant Stress Physiology	2	-	
Dr. Darshna Chaudhary	M.Sc., Ph.D.	-do-	Plant Mol. Biol.	2	-	
Dr. N. P. Singh	M.Sc., Ph.D.	-do-	Plant Proteomics	2	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- Dr N. Toomoka and Dr A Kaga, National Institute for Agrobiological Sciences (NIAS), Tsukuba, Japan visited twice for the joint collaborated research project
- Prof. Dr Chen Xuzhen, China Institute of Crop Sciences, Chinese Academy of Agricultural Sciences, Beijing, China and Dr T. Jing Jiangsu Academy of Agricultural Sciences (JAAS), China

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:** 4:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	06	03
Administrative staff	03	03

**16. Research thrust areas recognized by funding agencies:**

- Plant Genetic Engineering, Disease Vector transgenesis / Malaria vaccine, TB diagnostics, Antimicrobials from natural sources, Molecular Parasitology, Biosensor, Virology & Animal Cell Culture, Molecular Plant Stress Physiology,

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S.No	Name	Project Title	Funding Agency	Grant sanctioned (Lacs)
(i)	Dr S K Gakhar	Population Genomics of <i>Anopheles stephensi</i> in India	DBT	58.23
(ii)	Dr P K Jaiwal	Development of yellow mosaic virus resistance in blackgram ( <i>Vignamungo</i> L. Hepper): Transformation of blackgram with MYMV-Vig genes	DBT	18.0
(iii)	Dr. P. K. Jaiwal	Metabolic engineering of CoQ10 in wheat ( <i>Triticumaestivum</i> L.)	UGC	9.00
(iv)	Dr. P. Mehta	Detection of immunodominant antigens and antibodies in biological samples of	UGC	9.52

		pulmonary and extra pulmonary tuberculosis patients by PCR amplified immune-assay		
(v)	Dr A K Chhiller	Isolation, Characterization and mechanism of action of antifungal molecule from Bacterial Products	UGC	9.57
(vi)	DrRitu Gill	Cloning, expression, purification and characterization of Bromodomain containing protein in <i>Plasmodium falciparum</i>	DRDE	10.00
(vii)	DrRitu Gill	Cloning, expression, purification and characterization of chromatin assembly factor I from human malaria parasite <i>Plasmodium falciparum</i>	UGC	9.36
(viii)	Dr. Vikas	Development of organophosphorus hydrolase based electrochemical PVC reaction cell for determination of organophosphorus pesticide in food and water samples	UGC	14.57
(ix)	Dr. Samander Kaushik	Rapid detection and typing of influenza A and B by reverse transcriptase - loop-mediated isothermal amplification (RT-LAMP)	UGC	9.15
(x)	Dr. SS Gill	A symbiotic approach for the improvement of salt tolerance of mustard ( <i>Brassica juncea</i> ) through <i>Piriformosporaindica</i> : Role of antioxidant machinery	UGC	8.52
(xi)	Dr. Darshna Chaudhary	Development of yellow mosaic virus resistance in blackgram ( <i>Vignamungo</i> L. Hepper): Transformation of blackgram with MYMV-Vig genes( <b>Co-PI</b> )	DBT	18.00
(xii)	Dr. N. P. Singh	Impact assessment of high temperature stress on seed protein quality of wheat.	UGC	9.66

## 18. Inter-institutional collaborative projects and grants received

### a) All India collaboration

- Dr S K Gakhar, DBT project  
Engineering a transgenic *Anopheles culucifacies* mosquito using transposon elements (with NIMR, New Delhi)
- Dr P K Jaiwal, DBT project (Network project)  
Development of efficient regeneration and transformation system for *Vigna* species (in collaboration with MKU)



**b) International**

- Dr. P K Jaiwal, JSPS (Japan)-DST (India)project  
Development of salt tolerant legume for sustainable agriculture and nutrition:  
Identification of QTLs/genes (with Natl. Inst. Agrobiol., Tsukuba, Japan)

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:**

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	DST-FIST (Level – I)	59.0 lakhs
2.	UGC- SAP	60.75 lakhs
3.	DBT-IPLS	281.0 lakhs

**20. Research facility / centre with /**

Nil

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

The faculty members are working on research projects funded by State and National agencies



**22. Publications: (from 2008-2012)**

- \* Number of papers published in peer reviewed journals (national / international): 84
- \* Monographs: 03
- \* Chapters in Books: 22
- \* Edited Books: 20
- \* Books with ISBN with details of publishers: Nil
- \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): 84
- \* Citation Index – range / average: Range: 0-489, Average: 115.9
- \* SNIP: -

- \* **SJR:** -
  - \* **Impact Factor – range / average :** 0.56-4.98 Average: 1.26
  - \* **h-index:** 4.4 (Average)
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Dr S K Gakhar
    - ✚ Worked at UCI, USA, as a Biotech Overseas Associate to work on Mosquito Transgenesis.
    - ✚ Invited lecture on Transmission Blocking Vaccine at San Daigo USA.
  - Dr P K Jaiwal
    - ✚ Invited lecture on Gene transfer in Vigna species at 14th International Workshop on Genetic Resources and Comparative Genomics of soybean and Vigna. National Institute for Agrobiological Sciences (NIAS), Tsukuba, Japan, Sept 13 to 19, 2009
    - ✚ Invited by Chinese Academy of Agricultural Sciences, Beijing, China for a lecture on “ Genetic transformation of mungbean: Problems and Approaches” from Nov. 28 to Dec. 5, 2009.
  - Dr A K Chhillar visited and worked as a post-doctoral fellow at Innsbruck Medical University, Austria from March, 2007 to March, 2008
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Dr S.K.Gakhar
    - Member Task Force- Vector Science Forum- Indian Council of Medical Research
    - DST – INSPIRE fellowship review committee
    - UGC –Major research project review committee
    - Member - Committee for curriculum development for medical entomology
  - Dr.P.K.Jaiwal
    - ✚ Associate Editor of the journal ‘Physiol. Mol. Biol. Plants’
    - ✚ Editor of the journal on ‘Plant Biotechnology and Mol. Biol.’ (Soc. for Biology and Biotech.) Kottayam,
- 27. Faculty recharging strategies**
- Dr S K Gakhar, Attended Short term training course on Stem Cell Biology at Cold Spring Harbour Laboratory, New York, USA

Dr P K Jaiwal, Attended a work shop on “Molecular markers” at University of Ghent, Belgium from Aug. 14-23, 2007.

## 28. Student projects

- **percentage of students who have done in-house projects including inter-departmental projects**  
 100 %
- **percentage of students doing projects in collaboration with other universities / industry / institute**  
 Nil


## 29. Awards / recognitions received at the national and international level by:

- **Faculty:** Nil
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** Nil

## 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- National Conference in Medical Biotechnology -Vision 2020, April 16-18 2010, organized by the Centre for Biotechnology M.D. Univ., Rohtak
- Microbial Technology for Human Benefits, Colloquium 7th august 2010.
- National workshop on Bioinformatics 14-16 September 2010.
- DST Inspire Internship programme for school children held from 28th April to 2nd May, 2012

## 31. Code of ethics for research followed by the departments:

-  The Centre has Biosafety and Ethical Committees as per DBT and ICMR, New Delhi guidelines to monitor biosafety and ethical issues related to research projects

## 32. Student profile course-wise:(2011-12)

Name of the Course (refer to question no. 4)		Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
<b>M.Sc. (Biotechnology)</b>	2008-09	644	3	14	100	100
	2009-10	Combine Entrance	2	14	100	100
	2010-11		6	10	100	100
	2011-12		6	14	100	100
<b>M.Sc. (Agri. Biotechnology)</b>	2010-11		6	13	100	100
	2011-12		2	08	100	100

## 33. Diversity of students: (2011-12)

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Biotechnology)	90%	10%	-	-
M.Sc. (Agri. Biotechnology)	80%	20%	-	-

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Examination	Qualified
CSIR-NET	15
GATE	25

## 35. Student progression

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	25%
Ph.D. to Post-Doctoral	10%
Employed	
• Campus selection	10%
• Other than campus recruitment	90%
Entrepreneurs	NIL*

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	20%
from universities from other States	30%
from universities outside the country	NIL

- 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** One
- 38. Present details of infrastructural facilities with regard to**
- |   |                  |
|---|------------------|
| <b>a) Library</b>                                     | Central library. |
| <b>b) Internet facilities for staff and students:</b> | 100%             |
| <b>c) Total number of class rooms :</b>               | 02               |
| <b>d) Class rooms with ICT facility:</b>              | 02               |
| <b>e) Students' laboratories:</b>                     | 04               |
| <b>f) Research laboratories:</b>                      | 10               |
- 39. List of doctoral, post-doctoral students and Research Associates**
- a) from the host university:** 13 (Doctoral)
- ✚ Manish Sainger, Reddipili Lakshmi Kant, Sanjay Singh, Menakshi Sangwan, Meenakshi Birla, Santosh Yadav, Nirmala Sehrawat, Ashwani Kumar, Monika, Arvind, Richa, Deepti, Sandeep Singh, Vikas, Monika Dahyia, Naterpal Singh, Ashish,
- b) from other universities:** 01 (Postdoctoral) Dr. Hari Mohan
- 40. Number of post graduate students getting financial assistance from the university.**
- Four
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
- The Centre has undertaken assessment of its programmes through the following committees
    - ✚ Annual Academic Audit
    - ✚ Regular Teacher-Parent meetings
    - ✚ Feedback from the students.
- 42. Does the department obtain feedback from**
- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**
- The feedback from the Annual Academic Audit, regular Teacher-Parent meetings

and from the students is evaluated by the faculty for necessary improvement, if any.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Regular meetings of the faculty members with students are organized by the Centre to address their grievances related to curriculum and teaching learning-evaluation.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

The University has alumni association which meets at regular intervals to effectively utilize their feedback.

**43. List the distinguished alumni of the department (maximum 10):**

- Dr. Lingaraj Sahoo, Professor of Biotechnology, IIT, Guwahati.
- Dr Anju Gulati, Research Scientist, USDA, California, USA
- Dr Raman Saini, Assistant Professor, Dept of Biotechnology, Kurukshetra University, Kurukshetra
- Dr Amita Gupta, Assistant Professor, University Institute of Engineering & Technology, K. U. Kurukshetra.
- Dr Sonia and Dr Kashyap Dubey, Associate Professors, University Institute of Engineering & Technology, M. D. University, Rohtak.
- Dr N D Singh, PDF, University of Central Florida, Dept. of Molecular Biology & Microbiology, Bimolecular Science, Orlando, Florida 32816-2364.
- Dr Monika Gulia, Post-Doctoral Fellow, University of Georgia, Athens, USA.
- Dr Rajani Kant, Scientist, National Institute Malaria Research (NIMR), Delhi.
- Dr. Harish Shandial

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- The Centre organizes special lectures/workshops/seminar regularly where external subject experts deliver their talk and interact with students and faculty members.

**45. List the teaching methods adopted by the faculty for different programmes.**

- The Centre has two smart class rooms, each equipped with an Interactive board, a

LCD project and a podium. The Faculty members use them for teaching purposes.

- The teachers regularly monitored students through seminars, assignments and class tests.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The Centre monitors its objectives through the success rate of its PG and research students. The Centre encourages research students to publish their work in high impact factor journals and to file patents of their innovative research.

**47. Highlight the participation of students and faculty in extension activities.**

- The Centre has Biotech Association which organizes various extension activities like awareness camps for good health, agri productivity improvement and to eradicate the female foeticide.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- visits to Biotechnology institutes, industries, fairs/exhibitions,
- the Department opens its research laboratories for 10+2 students.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Nil

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The faculty members are actively involved in research for the up-liftment of the society especially the rural population.

**51. Future plans of the department.**

- To establish genomics laboratory.
- To generate facilities like green houses, poly-screen houses for field experiments.
- To establish P-3 facilities for infectious agents.
- To start specialization in various areas of Biotechnology.
- To establish facilities for simulating climate changes.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) Well-trained and highly experienced faculty having outside funding
- b) The Centre has a spacious building with central cooling facility and the teaching and research laboratories are well-equipped with all basic and necessary equipments
- c) The Centre has a Central Instrumentation facility with latest costly equipments and a Bioinformatics Centre (sponsored by DBT) with super computers loaded with latest bioinformatics programmes.
- d) The Centre is sponsored by the UGC-SAP, DST-FIST and DBT-IPLS. Further it has the several advantages to be within the National Capital Region.
- e) The Central Library has a huge collection of Biotechnology books and online subscription of research journals. The University has sports and hostel facilities and an eco-friendly environment.

**B) Weakness:**

- a) Lack of continuous and uninterrupted power back
- b) Lack of Campus recruitment
- c) Insufficient funds for maintenance of equipments.
- d) Lack of the Departmental library
- e) Lack of the parking at the Centre.

**C) Opportunities:**

- a) The Centre is located within the National Capital Region (NCR)
- b) Sufficient infrastructural facilities to organize International and National Conferences/Seminars/Workshops at the Centre as well as on the campus.
- c) The Centre is situated in a progressive metropolitan city with upcoming industrial and educational institutes.
- d) The Centre has a nearby Health University for clinical samples
- e) The Life Sciences Faculty has 14 Departments for inter Departmental interaction/collaboration and training.

**D) Challenges:**

- a) Quality of students for admission in general is not up to the mark
- b) Competition with other Departments of the Faculty.
- c) The facilities for green house, experimental plot are not adequate
- d) It is difficult to keep pace with the fast growing knowledge in Life Sciences courses; therefore, training of the faculty is essentially required.
- e) Inadequate non-teaching laboratory and administrative staff.



## Evaluative Report Centre for Medical Biotechnology

1. **Name of the Department :** Centre for Medical Biotechnology
2. **Year of establishment:** 2011
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc., Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** Statistics department
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** PGIMS, Rohtak and NIMR, New Delhi
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** Nil
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	-	-
<b>Associate Professors</b>	-	-
<b>Assistant Professors</b>	04	02

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
<b>Dr. Amita Suneja Dang</b>	Ph.D., M.Sc.,	Assistant Professor	Immunology	6	2
<b>Dr. Harimohan</b>	M.V.Sc.,	Assistant Professor	Virology	2	-



**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

Adjunct faculty:-  
Dr. Kamla Chudhary  
Dr. Madhulika Dubey

**13. Percentage of classes taken by temporary faculty – programme-wise information**

30%

**14. Programme-wise Student Teacher Ratio:**

10:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	-	02
Administrative staff	-	01

**16. Research thrust areas recognized by funding agencies:**

Virology and Proteomics Funding agency – IPLOS Grant by DBT

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

- Nil

**18. Inter-institutional collaborative projects and grants received**

Nil

- All India collaboration
- International

<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:</b>	DBT/HRD grant of 1.5 crore
<b>20. Research facility / centre with /</b>	Nil
• state recognition	
• national recognition	
• international recognition	
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>	Nil
<b>22. Publications: (from 2008-2012)</b>	
* Number of papers published in peer reviewed journals (national / international):	02
* Monographs:	Nil
* Chapters in Books:	Nil
* Edited Books:	Nil
* Books with ISBN with details of publishers:	Nil
* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):	
* Citation Index – range / average:	Nil
* SNIP:	-
* SJR:	-
* Impact Factor – range / average :	0.3, Average: 0.15
* h-index:	
<b>23. Details of patents and income generated:</b>	Nil
<b>24. Areas of consultancy and income generated</b>	Nil
<b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>	
• Nil	
<b>26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):</b>	
• Nil.	

**27. Faculty recharging strategies**

- The department is newly established and both the faculty members have attended the orientation courses

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects**  
 100 % - dissertation work
- **percentage of students doing projects in collaboration with other universities / industry / institute**  
 Nil

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** 02(CSIR-JRF)
- **Doctoral / Post-doctoral fellows:** 02 (CSIR-JRF)
- **Students:** Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Nil

**31. Code of ethics for research followed by the departments:**

Yes, as per MDU rules

**32. Student profile course-wise:(2012-13)**

Admissions are done through JNU common entrance test

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (Med Biotech)	-	5	15	--	

**33. Diversity of students: (2012-13)**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Med Biotech)	5%	2%	13%	Nil

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- Nil

## 35. Student progression

<b>Student Progression</b>	<b>Percentage%</b>
<b>UG to PG*</b>	NA
<b>PG to M.Phil.*</b>	NA
<b>PG to Ph.D.</b>	4
<b>Ph.D. to Post-Doctoral</b>	Nil
<b>Employed</b>	
• <b>Campus selection</b>	Nil
• <b>Other than campus recruitment</b>	Nil
<b>Entrepreneurs</b>	Nil

## 36. Diversity of staff



<b>Percentage of faculty who are graduates</b>	
<b>of the same university</b>	50%
<b>from other universities within the State</b>	50%
<b>from universities from other States</b>	Nil
<b>from universities outside the country</b>	Nil

## 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

## 38. Present details of infrastructural facilities with regard to

a) <b>Library</b>	Central library
b) <b>Internet facilities for staff and students:</b>	100%
c) <b>Total number of class rooms :</b>	02
d) <b>Class rooms with ICT facility:</b>	01
e) <b>Students' laboratories:</b>	02
f) <b>Research laboratories:</b>	02

## 39. List of doctoral, post-doctoral students and Research Associates

a) <b>from the host university:</b>	Doc.:02; Post-doc:01
 <b>Postdoctoral: Dr. Kaptan Singh</b>	
 <b>Doctoral: Divya</b>	
b) <b>from other universities:</b>	Nil

**40. Number of post graduate students getting financial assistance from the university.**

- Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- Faculties and scientists of other universities/Institutes are consulted in person for curriculum development and developing lab facility for PG course.

**42. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

Feedbacks from faculty are taken into consideration in the meetings of committee in the revision of syllabus, to design elective courses as well as to include new add-on courses.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Through feedback Proforma before the dispersal of classes in each semester. Feedbacks from students are taken into consideration in the meetings of committee, for designing of course content, syllabi, examination methods, to analyses teachers involvement, quality of teaching, facilities of library and laboratories etc.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

Newly established department; No alumni yet.

**43. List the distinguished alumni of the department (maximum 10): Nil**

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Newly established department; Student enrichment programme on agenda of action.

**45. List the teaching methods adopted by the faculty for different programmes.**

- LCD projectors; online facility and Multimedia.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Through internal assessment and as per IQAC guidance.

**47. Highlight the participation of students and faculty in extension activities.**

- Department also organized quiz competition, poster presentation, debate competition, etc. Department has organized interdepartmental cultural programme as BIOFEST on February 28, 2012.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- M.Sc. and Pre-Ph.D. students are encouraged for research paper reading and guided review paper writing.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Yes, NAAC

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Budding department; visible contributions are to come in future.

**51. Future plans of the department.**

- Starting of M. Phil. Programme, to apply for UGC Innovative Programme.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) The teaching faculty members are young, energetic and enthusiastic, working beyond office hours.
- b) The diverse specializations of the already working faculty in the department in terms of research as well as modern teaching methods and internet skills etc. are exemplary.
- c) The department is in process of applying for extra-mural grants from different funding agencies.
- d) The faculty has research publications in the international and national journals with impact factors.

**B) Weakness:**

- a) Computational facility needs to be upgraded and improvised for teaching and research programmes.
- b) Teaching and non-teaching staff vacancy needs to be filled up.

- c) Major paid journals needs to be made available freely online at university website through portals like Science Direct, etc.
- d) A start up grant is needed to be given to the newly joined faculty members.

**C) Opportunities:**

- a) The department is working in conjunction with DBT-funded Bioinformatics Facility (BIF).
- b) Planning to start M.Phil. in Medical Biotechnology.

**D) Challenges:**

- a) The intake in the Post graduate courses at the feeder level should be qualitatively improved being declining strength at UG level.
- b) To establish stem cell laboratory
- c) All the weakness as quoted above need to be redressed immediately for the improvement and growth of the department being newly created.

All sustainable and remedial efforts are being made by the faculty of the department for the improvement and to meet the academic standards to the tune of the time.







## Evaluative Report Department of Biochemistry

1. **Name of the Department :** Biochemistry
2. **Year of establishment:** 2009
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc. (Biochemistry),  
M.Sc. (Clinical Biochemistry),  
Pre-Ph.D. (Biochemistry)  
Ph.D. (Biochemistry)
5. **Interdisciplinary courses and departments involved:** Ph.D. (Biotechnology)
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Ph.D., Pre-Ph.D.,  
M.Sc.- Dissertation
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:**
  - The students can opt open floated papers from others departments of faculty of life sciences and students can also attend Pre-Ph.D. course work of other departments.
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Assistant Professors)**

	Sanctioned	Filled
<b>Professor</b>	01	01
<b>Associate Professors</b>	01	01
<b>Assistant Professors</b>	04	04

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
<b>Dr Rajesh Dabur</b>	Ph.D.	Associate Professor	Biochemistry	12	4	
<b>Prof. C.S. Pundir</b>	Ph.D.	Professor	Biochemistry & Biotechnology	28	10	
<b>Dr. N.S. Chauhan</b>	Ph.D.	Assistant Professor	Metagenomics, Bioinformatics,	2		
<b>Dr. Ritu Pasrija</b>	Ph.D.	Assistant Professor	Cell Biology, Molecular Biology & Bioinformatics	2	-	
<b>Dr. Sandeep Singh</b>	Ph.D.	Assistant Professor	Plant Biochemistry, Enzyme Technology	2	-	
<b>Dr. Vijay Kumar</b>	Ph.D.	Assistant Professor	Neurobiology, Molecular Biology and Enzyme Technology	2	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information**

Nil

**14. Programme-wise Student Teacher Ratio:**

5:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	02	02
Administrative staff	02	02

**16. Research thrust areas recognized by funding agencies:** Metagenomics, Molecular Microbiology, Neurotoxicology, Enzyme technology

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S. No.	Name of Faculty	Project	Funding agency	Duration	Amount (Rs) Lakhs
(i)	Dr. NS Chauhan	Major	UGC	2012-15	12.3
(ii)	Dr. NS Chauhan	Major	CSIR	2012-15	~50.0
(iii)	Dr. NS Chauhan	Major (as Co-PI)	DBT	2012-15	22.4
(iv)	Dr. NS Chauhan	Inter-departmental (Major)	DBT , IPLS	2012-17	--
(v)	Dr. Vijay Kumar	Minor	UGC	2012-14	1.25
(vi)	Dr. Vijay Kumar	Major	ICMR	2012-15	17
(vii)	Dr. Vijay Kumar	Major	DST	2012-15	20

**18. Inter-institutional collaborative projects and grants received** Nil

**a) All India collaboration**

**b) International**

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:** Nil

**20. Research facility / centre with /** Nil

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil

**22. Publications:**

\* **Number of papers published in peer reviewed journals (national / international):** 92

* <b>Monographs:</b>	Nil
* <b>Chapters in Books:</b>	Nil
* <b>Edited Books:</b>	02, ECRAS, Ministry of Health, Govt. Of India
* <b>Books with ISBN with details of publishers: 04</b>	
✚ Construction of ordered protein arrays; Methods MolBiol; ISSN: 1064-3745	
✚ Database of Important Medicinal Plants Volume-VIII; CCRAS Press, Govt. of India, New Delhi. ISBN 92 4 154517 8	
✚ Antimicrobial activities of Gray Nickerbean (Caesalpinia bonduca Linn) Carrie Bolger Editor ,Life Sciences, Elsevier;ISBN: 9780123756886	
✚ Database of Important Medicinal Plants Volume-IX (In Press); Dabur R, Editor, CCRAS Press, Govt of India, New Delhi. ISBN 9241545178	
* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>	87
* <b>Citation Index – range / average:</b>	Range: 1-18, Average: 6.2
* <b>SNIP:</b>	-
* <b>SJR:</b>	0.3
* <b>Impact Factor – range / average :</b>	0-6; Average: 2
* <b>h-index:</b>	~8
<b>23. Details of patents and income generated:</b>	Nil
<b>24. Areas of consultancy and income generated</b>	Nil
<b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>	Nil
<b>26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):</b>	
• Prof. CS Pundir is the member of American Association of Clinical Chemistry, Biosensor Soc. India (life), Assn. Clin. Biochemists of India (life), Soc. Biol. Chemists (India) (life) and Urolithiasis Society of India	
• Dr. Vijay Kumar is life member of Indian Academy of Neuroscience.	

**27. Faculty recharging strategies**

- Using various faculty development programs through training, workshops, seminars, conferences, orientation programs and refresher courses. In addition to this, faculties are promoted to use various ICT technologies in teaching.

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects** 100 % - dissertation work
- **percentage of students doing projects in collaboration with other universities / industry / institute** Nil

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** 02 (Best presentation awards)
- **Doctoral / Post-doctoral fellows:** 01
- **Students:** 01/05 (INSPIRE/NET)

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- IX<sup>th</sup> DST Sponsored National Workshop on Immobilized Enzyme Technology for Sensors (NWIETS-2007) during Aug'24-Sept'2, 2007. (Funded by DST)
- An Indo-Japan Seminar on Nanomaterials on October 30' 2010. (Funded by MDU)
- A national seminar on Molecular Techniques in Life Sciences on October 24th 2011. (Funded by MDU and Roche India Pvt. Ltd)
- A hands on training in Real time PCR technology on 25-26th November 2011. (Funded by MDU and Roche India Pvt. Ltd)

**31. Code of ethics for research followed by the departments:**

- The department follows proper code of ethics for research. Due care is taken to achieve the goals and objectives of the project. The code is followed from the design of the research through to the publication and communication of the experiences of the project

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
<b>M.Sc.(Biochemistry)</b> <b>2009-10</b>	735	9	21	67%	100%
<b>2010-11</b>	906	10	22	70%	90%
<b>2011-12</b>	615	4	25	-	-

## 33. Diversity of students:

Name of the Course (refer to question no. 4) M.Sc.(Biochemistry)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2009-10	86.5	7.5	6	-
2010-11	89	5	6	-
2011-12	86	8	6	-

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Examination	Qualified
GATE	One
NET	Four
INSPIRE fellow	One

## 35. Student progression

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	20-30%
Ph.D. to Post-Doctoral	All
Employed	
• Campus selection	Data not Available
• Other than campus recruitment	Data not Available
Entrepreneurs	Nil

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	16%
from universities from other States	34%
from universities outside the country	Nil

- 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil
- 38. Present details of infrastructural facilities with regard to**
- |   |                  |
|---|------------------|
| <b>a) Library</b>                                     | Central library. |
| <b>b) Internet facilities for staff and students:</b> | 100%             |
| <b>c) Total number of class rooms :</b>               | 02               |
| <b>d) Class rooms with ICT facility:</b>              | 01               |
| <b>e) Students' laboratories:</b>                     | 02               |
| <b>f) Research laboratories:</b>                      | 05               |
- 39. List of doctoral, post-doctoral students and Research Associates**
- |  |               |
|--|---------------|
| <b>a) from the host university:</b>                    | 04 (Doctoral) |
| • Bhawna, Sheetal Chawla, Rooma Devi and Sandeep Yadav |               |
| <b>b) from other universities:</b>                     | 02 (Doctoral) |
| • Suman, Jitender Kumar                                |               |
| • Research Associate – 1 (Manoj Kumar)                 |               |
- 40. Number of post graduate students getting financial assistance from the university.** Seven
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
- To start the Clinical Biochemistry nearby health universities/Institutes were consulted followed by discussion in the meeting of various bodies like PGBOS, faculty of life Sciences and Academic council.
- 42. Does the department obtain feedback from**
- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**  
Yes. Feedbacks from the faculty, are taken time to time and kept into consideration in the departmental committee meetings to incorporate the required changes.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes. Through feedback Performa before the dispersal of classes in each semester. Feedbacks from students are taken into consideration in the meetings of committee, for designing of course content, syllabi, examination methods, to analyses teachers involvement, quality of teaching, facilities of library and laboratories etc.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Yes. Relevance of the course contents are discussed in the alumni meet and suggestions are considered by the Committee, while revising the course curriculum.

**43. List the distinguished alumni of the department (maximum 10):**

- Data not available

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- IXth DST Sponsored National Workshop on Immobilized Enzyme Technology for Sensors (NWIETS-2007) during Aug 24-Sept 2, 2007.
- An Indo-Japan Seminar on Nanomaterial's on October 30, 2010.
- An national seminar on Molecular Techniques in Life Sciences on October 24<sup>th</sup> 2011.
- A hands on training in Real time PCR technology on 25-26<sup>th</sup> November 2011.

**45. List the teaching methods adopted by the faculty for different programmes.**

- LCD projectors; online facility and Multimedia.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Through internal assessment and as per IQAC guidance.

**47. Highlight the participation of students and faculty in extension activities.**

- Department also organized quiz competition, poster presentation, and participation in seminars etc.



**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Department provide beyond syllabus scholarly activities by giving them exposure of day to day scientific achievements happening at global levels, and by holding scientific debates on various social and health related issues.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

No

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Molecular Microbiology, Biosensor technology, Plant and Animal Biochemistry etc.

**51. Future plans of the department.**

- The department also plans to extend the domain knowledge to undergraduate colleges around the MDU campus
- Department will apply for DST-PURSE, DST-FIST and UGC-SAP to strengthen research facilities in the department.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) The diverse specializations of the already working faculty in the department in terms of research as well as modern teaching methods and internet skills etc. are exemplary.
- b) Regular updating of syllabus after taking feedback on curriculum from external industry and academic experts during academic audit.
- c) Five Research laboratories carrying out active research in the most promising fields of Biochemistry.
- d) The faculty has research publications in the international and national journals with impact factors and credited with books publications also.

**B) Weakness:**

- a) Major research instruments for the improvement of the research programme are unavailable.
- b) The admission process for new course PG in Clinical Biochemistry was not advertised properly
- c) None of the major paid journal of Biochemistry is available freely online at university website like Science Direct, Elsevier etc.
- d) Funding for attending the seminar/conferences at national and/or International for teaching faculty is required to be promoted.

**C) Opportunities:**

- a) The department is offering M.Sc. and Ph.D. Courses in Biochemistry & Clinical Biochemistry separately.
- b) The Subject and research based knowledge of students can be enhanced which will empower them to set their carrier in various courses.
- c) Research potential of department can be enhanced by giving appropriate facilities.

**D) Challenges:**








- a) The intake in the Post graduate courses at the feeder level should be qualitatively improved being and also concern declining strength at UG level.
- b) Restricted job opportunities.

## Evaluative Report Department of Botany

1. **Name of the Department :** Botany
2. **Year of establishment:** 2009
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc., Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** Ph.D.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Ph.D.
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** Various departments of life sciences and Department of Statistics
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	-	-
<b>Associate Professors</b>	01	01
<b>Assistant Professors</b>	06	05

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. S. N. Mishra	M.Sc. Ph.D.	Professor	Plant Molecular Biology	31	09	
Dr. PushpaDahiya	M.Sc., PhD	Professor	Aero-allergens	21	01	
Dr Anita R. Sehrawat	M.Sc., PhD	Associate Professor & Head	Plant Biotechnology	13	-	
Dr. Vinita Hooda	M.Sc., PhD	Assistant Professor	Enzyme Technology	12	-	
Dr. S. S. Yadav	M.Sc., PhD	Assistant Professor	Plant Ecology	08	-	
Dr. Asha Sharma	M.Sc., PhD	Assistant Professor	Stress Physiology	05	-	
Dr. Sunder Singh	M.Sc., PhD	Assistant Professor	Embryology	02	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- Prof. S.S. Katewa, Department of Botany, MLS University, Udaipur
- Prof. S.S. Dhillon, Department of Botany, Punjabi University, Patiala
- Prof. Swarj Kumari, Department of Plant Physiology, CCS HAU, Hisar
- Prof. R. K. Kohli, Department of Botany, Panjab University, Chandigarh
- Prof. Ashok Bhatnagar, Department of Botany, University of Delhi, Delhi
- Prof. Sunita Sheokand, Department of Plant Physiology, CCS HAU, Hisar
- Prof. Nagender Bhardwaj, Department of Botany, University of Rajasthan, Jaipur

- Prof. B C Tripathi, School of Life Sciences, JNU, New Delhi
- Prof. P. P. Upadhaya, Department of Botany, DDUGU, Gorakhpur
- Prof. MinooParabia, Department of Biosciences, V NSGU, Surat
- Dr. V P Singh, Principal Scientist, IGRI, New Delhi
- Dr. B D Vashistha Department of Botany, Kurukshetra University, Kurukshetra
- Dr. P. P. Bhojvaid, Director, Forest Research Institute, Dehradun
- Dr. K N Kaul, Scientist F, Regional Research Laboratory, Jammu
- Dr. Veena Chandra, Scientist, Forest Research Institute, Dehradun
- Dr. V. C. Kalia, Principal Scientist, IGIB, New Delhi

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:** 10:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	02	02
Administrative staff	02	02*



\* One post of lab attendant is working in SFS scheme

**16. Research thrust areas recognized by funding agencies:** Aero-allergens, Plant Biotechnology, Enzyme technology, Plant Ecology, Stress Physiology and Embryology

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S. No.	Name of Faculty	Project	Funding agency	Amount(Rs) Lakhs
(i)	Dr. Vinita Hooda	Effect of changing the nanoscale environment on the activity and stability of nitrate reductases	UGC	6.22
(ii)	Dr. Surender Yadav	Ecological status and ethnobotanical potential of Village Community Forests (VCFs) of District Jhajjar (Haryana state) INDIA	UGC	6.79

<b>(iii)</b>	Dr. Asha Sharma	Accumulation, partitioning and metabolic alterations in Wheat ( <i>Triticum aestivum</i> L.) grown under arsenic contaminated conditions	UGC	14.23
<b>18. Inter-institutional collaborative projects and grants received</b> a) All India collaboration b) International			Nil	
<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:</b>			Department has applied for DST-FIST	
<b>20. Research facility / centre with /</b> • state recognition • national recognition • international recognition			Nil	
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>			Nil	
<b>22. Publications: (from 2008-2012)</b>				
* Number of papers published in peer reviewed journals (national / international):			64	
* Monographs:			Nil	
* Chapters in Books:			07	
* Edited Books:			Nil	
* Books with ISBN with details of publishers:			01 (“Environmental Science - A New Approach” by Pushpa Dahiya and Manisha Ahlawat Narosa Publications, ISBN No: 978-81-8487-075-6)	
* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):			30	

- \* **Citation Index – range / average:** Range: 1-13, Average: 6
- \* **SNIP:** 3.29
- \* **SJR:** 0.13
- \* **Impact Factor – range / average :** 0.295-2.239; Average: 0.402
- \* **h-index:** 2
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Faculties serving in State committees, editorial boards and governing bodies etc.
  - Member of inspection committee for inspection of colleges of Education, Technical institutes, checking of compliances matter regarding consideration of continuation in provisional affiliation.
  - Participated in Science Conclave- 2011 held at M D University as Organizers.
- 27. Faculty recharging strategies**
- through refresher courses and faculty development programmes through training, workshops, seminars, conferences etc.
- 28. Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**  
 Nil
  - **percentage of students doing projects in collaboration with other universities / industry / institute**  
 Nil
- 29. Awards / recognitions received at the national and international level by:**
- **Faculty:** Nil
  - **Doctoral / Post-doctoral fellows:** 01
  - **Students:** 01/06(INSPIRE/NET)
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**
- National Seminar on “Biodiversity: Concerns and Solutions” at M.D. University, Rohtak on November 20, 2009.

- Department has organized two day National Conference on “Biodiversity: Challenges and Opportunities” during February 18-19, 2011.
- One day symposium and interactive farmers meet on “GM Plants” on 29th March, 2012
- One day seminar on, “Current Trend in Biological Sciences” on 29.03.2012.

### 31. Code of ethics for research followed by the departments:

- Honesty, Objectivity, Integrity and carefulness in collection and reporting of data
- Respect for Intellectual Property
- Publish the research work
- Encouragement to procure grants
- Help to educate, mentor, and advise students and to promote their welfare
- Maintain and improve professional competence and expertise through continuous learning by attending Seminars/Workshops/Symposia/Conferences etc.

### 32. Student profile course-wise:(2011-12)

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (Botany)	Combine	05	25	-	-
Pre Ph.D.	Entrance	03	02	-	-
Ph.D.		02	07	-	-

### 33. Diversity of students:

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Botany)				-
2009-10	75%	15%	10%	-
2010-11	70%	16%	14%	-
2011-12	78%	6%	16%	-



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Examination	Qualified
GATE	One
NET	Six
INSPIRE fellow	One
Civil Services	Three
Rajiv Gandhi National Fellowship	one

35. Student progression

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	01
• Other than campus recruitment	15
Entrepreneurs	Nil

\*1<sup>st</sup> M.Sc. batch will be passing out in 2012.

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	33%
from other universities within the State	33%
from universities from other States	33%
from universities outside the country	Nil

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

Nil

38. Present details of infrastructural facilities with regard to

a) Library	Central library
b) Internet facilities for staff and students:	100%
c) Total number of class rooms :	02

- d) **Class rooms with ICT facility:** 01
- e) **Students' laboratories:** 04
- f) **Research laboratories:** 08

**39. List of doctoral, post-doctoral students and Research Associates**

- a) **from the host university:** 08 (Doctoral)

✚ Mr. Vikram Singh, Mrs Anita Arora, Mrs. Sangeeta Kochar, Mrs. Manisha Ahlawat, Mr. Ravinder Kumar, Mrs. Veena Sachdeva, Mr. Makhan Singh, Mr. Jatin Verma

- b) **from other universities:** Nil

**40. Number of post graduate students getting financial assistance from the university.**

- 25%

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- Though no new programmes were started but many other universities and Institutes were consulted for curriculum development for UG & PG courses in Botany.

**42. Does the department obtain feedback from**

- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes

Feedbacks from faculty are taken into consideration in the meetings of committee in the revision of syllabus, to design elective courses as well as to include new add-on courses.

- b) **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** Yes

Through feedback Performa before the dispersal of classes in each semester. Feedbacks from students are taken into consideration in the meetings of committee, for designing of course content, syllabi, examination methods, to analyses teachers involvement, quality of teaching, facilities of library and laboratories etc.

- c) **alumni and employers on the programmes offered and how does the department utilize the feedback?** Yes

Relevance of the course contents are discussed in the alumni meet and suggestions are considered by the Committee, while revising the course curriculum.

**43. List the distinguished alumni of the department (maximum 10):**

- Mr. Anup Soni selected IFS in 2012
- Ms. Sanjeeta Kochar selected as AETO through HCS 2011
- Dr. Pooja, Assistant Professor, Deptt of Microbiology, MDU Rohtak
- Mr. Rakesh, Fishery Officer
- Miss Neelam Arya as Forensic Scientist as State Forensic Lab, Madhuban

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Extension lectures were delivered by eminent scholars from different universities and institutes to motivate and persuade them for further study and research.
  - ✚ Prof. S.S. Katewa, Department of Botany, MLS University, Udaipur
  - ✚ Prof. S. S. Dhillon, Department of Botany, Punjabi University, Patiala
  - ✚ Prof. Swarj Kumari, Department of Plant Physiology, CCS HAU, Hisar
  - ✚ Prof. R. K. Kohli, Department of Botany, Panjab University, Chandigarh
  - ✚ Prof. Ashok Bhatnagar, Department of Botany, University of Delhi, Delhi
  - ✚ Prof. Sunita Sheokand, Department of Plant Physiology, CCS HAU, Hisar
  - ✚ Prof. Nagender Bhardwaj, Dept. of Botany, University of Rajasthan, Jaipur
  - ✚ Prof. B C Tripathi, School of Life Sciences, JNU, New Delhi
  - ✚ Prof. P.P.Upadhaya, Dept. of Botany, DDU Gorakhpur University, Gorakhpur
  - ✚ Prof. Minoo Parabia, Dept. of Biosciences. V N. South Gujarat Univ., Surat
  - ✚ Dr. V P Singh, Principal Scientist, IARI, New Delhi
  - ✚ Dr. B D Vashistha Department of Botany, KU, Kurukshetra
  - ✚ Dr. P. P. Bhojvaid, Director, Forest Research Institute, Dehradun
  - ✚ Dr. K N Kaul, Scientist F, Regional Research Laboratory, Jammu
  - ✚ Dr. Veena Chandra, Scientist, Forest Research Institute, Dehradun
  - ✚ Dr. V. C. Kalia, Principal Scientist, IGIB, New Delhi

**45. List the teaching methods adopted by the faculty for different programmes.**

- Blackboard teaching, LCD projectors; Online facility, Multimedia and Field Training is mandatory part of the curricula.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Through internal assessment and as per IQAC guidance.

**47. Highlight the participation of students and faculty in extension activities.**

- Department keeps on organizing plant adoption campaign, environment awareness and sensitization programs, organized quiz competition, poster presentation, debate competition and excursion tour in floristically rich areas of the country.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Financial assistance in the form of research projects in the emerging areas of Plant Sciences.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Yes, NAAC

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Plant Biotechnology, Embryology, Aerobiology, Plant Biochemistry and Physiology.

**51. Future plans of the department.**

- To establish Herbarium facility and to enrich existing Botanical Garden
- To establish tissue culture facility in the department
- To start specialization courses/optional papers in M.Sc.
- To apply for UGC-SAP proposal.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) The qualified and competent faculty members.
- b) The diverse specializations of the already working faculty in the department in terms of research as well as modern teaching methods and internet skills etc. are exemplary.
- c) The department has completed several research projects and currently three faculty members are running major research projects funded by UGC, New Delhi

- d) The faculty has research publications in the international and national journals with impact factors.

**B) Weakness:**

- a) None of the major paid journal of Botany is available freely online at university website like Science Direct, Elsevier etc.
- b) Funding for attending the seminar/conferences at national and/or International for teaching faculty is required to be increased.
- c) Central Instrumentation facility of the Department needs to be enriched.

**C) Opportunities:**

- a) The department is offering M.Sc. and Ph.D. Courses in Botany.
- b) The department has the potential to go ahead in research with an increasing number of Ph.D. students.

**D) Challenges:**

- a) The intake in the Post graduate courses at the feeder level should be qualitatively improved being declining strength at UG level.
- b) Job opportunities being restricted as stated above.
- c) All the weaknesses as quoted above need to be redressed immediately for the improvement and growth of the department being newly created.



All sustainable and remedial efforts are being made by the faculty of the department for the improvement and to meet the academic standards to the tune of the time

## Evaluative Report Department of Environmental Sciences

1. **Name of the Department :** Environmental Sciences
2. **Year of establishment:** 2009
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc. (Environmental Sciences), M.Sc. (Environmental Biotechnology), Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** All the departments of faculty of life science are involved for the open elective courses
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Ph.D. in collaboration with GJU Hisar, KU Kurukshetra & HAU Hisar
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** Environmental Studies at UG level
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	01	01
<b>Associate Professors</b>	01	01
<b>Assistant Professors</b>	06	05

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Rajesh Dhankhar	Ph.D.	Professor	Environmental Toxicology	21 Yrs.	5 
Dr. J. S. Laura	Ph.D.	Associate Professor	Environmental Monitoring	20 Yrs.	3 
Dr. Meenakshi Nandal	Ph.D.	Assistant Professor	Pollution	9 Yrs.	- 
Mr. Sunil Kumar	M.Tech.	Assistant Professor	Environmental Pollution	3.5 Yrs.	- 
Mrs. Rachna Bhatena	M.Tech.	Assistant Professor	Bioremediation	3 Yrs.	- 
Dr. Babita Khosla	Ph.D.	Assistant Professor	Microbial biotechnology	6 Yrs.	- 
Dr. Geeta	Ph.D.	Assistant Professor	Environmental biotechnology	1.5 Yrs.	- 

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information Nil

14. Programme-wise Student Teacher Ratio: 9:1

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Technical staff	02	02
Administrative staff	02	02

16. Research thrust areas recognized by funding agencies:

- (a) Environmental management
  - Phytoremediation
  - Biodiversity conservation
  - Wetland management
  - Biosorption
- (b) Environmental monitoring
  - Environmental toxicology
  - Noise pollution studies

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

S.No.	Title of the project	Funding agency	Duration	Amount (Rs)
(i)	Bio-ameliorative response of cyanobacteria in sewage irrigated soils	UGC	2009-12	11,00,000
(ii)	Study of Bhindawas Wetland(minor project )	UGC	2010-12	2,00,000
(iii)	<i>In Vitro</i> and <i>In Vivo</i> studies on Micro propagation, transformation and Camtothecin in <i>Nothapodytesfoetida</i> and <i>Ophiorriza</i> species	UGC	2010-13	11,95,000
(iv)	Bioremediation of Chromium (VI) from electroplating effluent using bacterial strains.	UGC	2011-13	1,65,000



(v)	Resistance of environmental stress in tropical diosophilids: analysis of multi trait associations across seasons and geographical regions.	UGC	2009-12	11,77,300
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- 18. Inter-institutional collaborative projects and grants received** Nil
- a) All India collaboration  
b) International

- 19.** Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	DST-FIST (Level – I)	65 lakhs
2.	UGC Innovative Programme	45 lakhs

- 20. Research facility / centre with /** Nil
- state recognition
  - national recognition
  - international recognition

- 21. Special research laboratories sponsored by / created by industry or corporate bodies**
- Environment air pollution monitoring lab has been established and on line real air pollution monitoring unit has been sponsored by State Pollution control Board, Panchkula.
  - Sky radiometer has been installed in the department by Indian Meteorological department, New Delhi.

- 22. Publications: (from 2008-2012)**

* Number of papers published in peer reviewed journals (national / international):	47
* Monographs:	Nil
* Chapters in Books:	02
* Edited Books:	Nil
* Books with ISBN with details of publishers:	Nil

* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>	45
* <b>Citation Index – range / average:</b>	0 – 57
* <b>SNIP:</b>	-
* <b>SJR:</b>	-
* <b>Impact Factor – range / average :</b>	0 – 2.83
* <b>h-index:</b>	3
<b>23. Details of patents and income generated:</b>	Nil
<b>24. Areas of consultancy and income generated</b>	Nil
<b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>	
• Nil	
<b>26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):</b>	
• National committees	
✚ Dr. R Dhankhar, member screening and selection committee for recruitment of Assistant Professor in various universities.	
✚ Member of expert committee for screening research proposals and mid-term evaluation of on- going projects in environmental science by UGC, New Delhi.	
✚ Member of expert committee for selecting candidates under scheme of post-doctoral fellowship for SC/ST candidates in UGC, New Delhi.	
✚ Member of expert committee for selection under Indo-Hungarian & Indo-Mauritius scholarships in UGC, New Delhi.	
✚ Member of steering committee and state advisory group for preparation of state action plan on climate change.	
✚ Member of steering committee and state advisory group for wild life and Biodiversity action plan.	

- any other (please specify)
  - ✚ Dr. Rajesh Dhankhar has been chaired the Environmental Sciences Session in the Indian Science Congress in Trivandrum.
  - ✚ Dr. Rajesh Dhankhar has also been a resource person in refresher courses conducted by Universities.
  - ✚ Dr. Rajesh Dhankhar is also an Active member of NGO of EARTH, delivers talks on radio station on Current Environmental issues. Every year, she acts as a resource person and judge in Children Science Congress of Haryana and Haryana Vigyan Manch.

### 27. Faculty recharging strategies

- As many as 4 teachers of the Department attend orientation courses organized by other universities and one teacher have attended refresher course from other universities.

### 28. Student projects

- **percentage of students who have done in-house projects including inter-departmental projects**
  - ✚ 100 %
- **percentage of students doing projects in collaboration with other universities / industry / institute**
  - ✚ All the PG students go for their 4-6 week summer training program in various other universities, research institutes and industries as part of their curriculum.

### 29. Awards / recognitions received at the national and international level by:

- **Faculty:** Nil
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** Nil

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- National Workshop on “Environmental Problems-its mitigations” on 26.03.2010 funded by R. K. Foundation, M.D. University, Rohtak.
- National Seminar on “Environmental Challenges: Sustainable Development” March 29-30, 2010 funded by Department of Higher Education, Govt. of Haryana, Panchkula.
- National Conference on “Environmental and Health Issues: In a Changing Climatic Scenario” October 14-15, 2010 funded by CSIR, ICMR and Department of Higher Education, Haryana.
- National seminar on “Microbes and Resource Management” October 22, 2011 funded by AMI, India.

- National workshop on “Microbial Diversity: Exploration & Perspectives in Environment” May 3rd – May 12th 2012 funded by R.K Foundation, Ranbaxy fine chemicals limited, Promega and Integrated DNA technologies.

### **31. Code of ethics for research followed by the departments:**

The following are some general ethical codes followed by the department

- Strive for honesty and responsibility in all scientific communications.
- Keep your promises and agreements
- Act with sincerity
- Strive for consistency of thought and action.
- Strive to promote social good and prevent or mitigate social harms through research, public education, and advocacy.
- Avoid careless errors and negligence; carefully and critically examine your own work and the work of your peers. Keep good records of research activities, such as data collection, research design, and correspondence with agencies or journals.
- Share data, results, ideas, tools, resources. Be open to criticism and new ideas.
- Respect for colleagues and Intellectual Property
- Protect confidential communications, such as papers or grants submitted for publication, personnel records, trade or secrets, and records.
- Avoid discrimination against colleagues or students on the basis of sex, race, ethnicity, or other factors that are not related to their scientific competence and integrity.
- Maintain and improve your own professional competence and expertise through lifelong education and learning; take steps to promote competence in science as a whole.
- Know and obey relevant laws and institutional and governmental policies.
- Show proper respect and care for animals when using them in research. Do not conduct unnecessary or poorly designed animal experiments.
- Human Subjects Protection: When conducting research on human subjects minimize harms and risks and maximize benefits; respect human dignity, privacy, and autonomy; take special precautions with vulnerable populations; and strive to distribute the benefits and burdens of research fairly.

**32. Student profile course-wise:**

Admissions are done through JNU common entrance test

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. – (2008-09)	-	04	12	100	100
M.Sc. – (2009-10)	-	10	16	94	96
M.Sc. – (2010-11)	700	09	18	95	95
M.Sc. – (2011-12)	-	12	13	Result awaited	
Ph.D.– (2008-09)	-	01	09		
Ph.D. – (2009-10)	-	0209			
Ph.D. – (2010-11)	-	0309			
Ph.D. – (2011-12)	-	0103			

**33. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2008-09 (M.Sc.)	50	8	42	0
2009-10	62	5	33	0
2010-11	68	6	26	0
2011-12	64	4	36	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	UGC-CSIR-NET	GATE	STATE/CENTRAL SERVICES	Defence Services
2008-2009	2	1	-	1
2009-2010	3	-	5	-
2010-2011	4	-	4	-
2011-2012	4	-	5	-

35. Student progression

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	20
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	Nil
• Other than campus recruitment	40
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	71.42
from other universities within the State	14.28
from universities from other States	14.28
from universities outside the country	Nil

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

- 38. Present details of infrastructural facilities with regard to**
- |   |                  |
|---|------------------|
| <b>a) Library</b>                                     | Central library. |
| <b>b) Internet facilities for staff and students:</b> | 100%             |
| <b>c) Total number of class rooms :</b>               | 02               |
| <b>d) Class rooms with ICT facility:</b>              | 02               |
| <b>e) Students' laboratories:</b>                     | 04               |
| <b>f) Research laboratories:</b>                      | 09               |
- 39. List of doctoral, post-doctoral students and Research Associates**
- a) from the host university:** 09 (Doctoral)
- ✚ Harinder Singh, Raman, Meena Deswal, Ajit Kumar, Chanderprabha, Sarita, Poonam Ahlawat, Anju Hooda, Anil Dhaka
- b) from other universities:** 07 (Doctoral)
- ✚ Sunil Kumar, Rachna Bhatia, Sakshi, Sarina Panghal, Surender Kumar, Arun Joshi, Anju
- 40. Number of post graduate students getting financial assistance from the university.**
- 08
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
- The department continuously takes the feedback from the students and industry for updating the existing curriculum and proposing the new courses of demand. Recently, in 2011 the department has adopted the choice based credit system.
- 42. Does the department obtain feedback from**
- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes
- The department regularly takes the feedback from the students and their guardians at the end of the semester during PTA meeting regarding the curriculum, teaching-learning methods. The students of M. Sc. Environmental Sciences & M.Sc. Environmental Biotechnology (1<sup>st</sup> & 2<sup>nd</sup> Year) fill the feedback Performa related to the department and teaching and their valuable suggestions are taken in further improvement of the department.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

The department also organizes industrial tours time to time for the students to acquaint them with the industry culture and work procedures. The industry people are also called for expert lectures to incorporate their needs in the program curriculum of the students so that they are now fit to cater the need of the industry.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

Alumni of the department were invited to interact with the students and make them aware of the job opportunities.

**43. List the distinguished alumni of the department (maximum 10):**

- Professor Rajesh Dhankar, Ph.D. 1992 Professor, Deptt. of E.V.S. M.D.U. Rohtak
- Dr. Jogender Singh Dahiya, Ph.D. 2003 Assistant Professor Jat College Rohtak
- Dr. Sushila Sangwan, Ph.D. 2006 Assistant Professor Mahendergarh College
- Dr. Nitant Gaur , Ph.D, 2009 Assistant Professor University College, Kurukshetra
- Dr. Sanjiv Khatri, Ph.D. 2002 Lecturer (Biology) Govt. Sr. Sec School, Bahadurgarh
- Anju, M.Sc, 2005 TGT Campus School Rohtak
- Takdir Singh, Immigration Officer, Intelligent Bir. (IB) Chennai
- Anita Dalal, M.Sc 1998 Assistant Professor P.D.M Bahadurgarh, Haryana
- Dr. Radha Solanki, Ph.D. 2011 Assistant Professor P.D.M, Bahadurgarh
- Dr. Lalita Rana, Ph.D. 2010 Teaching Associate DBCR University, Murthal

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Special lectures are delivered by the experts for the students in the department

- Prof. V. K. Jain, Vice chancellor, Doon University, Dehradun in October 2009
- Prof. R. C. Kuhad, Department of Microbiology, University of Delhi, New Delhi in March 2010
- Dr. Dinesh, Haryana State Pollution Control Board, Panchkula in October 2011.
- Prof. J. S. Rana, DCRUST, Sonapat in November 2011.



**45. List the teaching methods adopted by the faculty for different programmes.**

- Use of LCD projector, OHP and interactive board for teaching purpose.
- On hand practical method of teaching
- Workshop method of teaching
- Industry integrated teaching.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The department is having a Departmental committee which time to time monitors the progress of the program objectives.

**47. Highlight the participation of students and faculty in extension activities.**

The teachers and students have been serving at various levels like

- Delivering lectures and presenting musical skits in Neighboring schools and colleges regarding conservation of Natural Resources and Environment protection.
- Participation in blood donation camps
- Conducting the Environmental awareness campaigns
- Youth leadership training programme
- Organizing Quiz competitions, poster making, slogan writing contests for
- Environmental awareness in the society.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- The department organized on 28th February 2012 Environment protection camp in MKJK College, Rohtak on the eve of Science Day.
- The department organized awareness campaign on 2nd March 2012 regarding the preservation and conservation of wet lands at Tilyar wet land, Rohtak.
- The department organized Ozone preservation day on 16th September 2011, where the speaker from the Haryana Pollution Control Board made the audience acquainted with the importance of ozone layer.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- No

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The department had published approximately 56 research papers in various national and international journals and around 30 papers are published/ presented in national and international conferences The Department has also contributed two books. The department has organized four seminars and one workshop in the last five years.

**51. Future plans of the department.**

New Academic courses:

- To introduce the Industry Integrated Programmes
- To introduce M. Phil course in the concerned subject.
- To introduce M.Sc. Environmental Management.
- To Strengthen the library and Computer Labs
- To introduce M. Tech in Environmental Sc. & Engg.
- To setup the Environmental monitoring lab.

Research:

- To formulate research proposals for financial support in the priorities areas
- Upgradation of the research laboratories
- To establish memorandum of understanding with the different R&D institutes/State/Central universities for research and student exchange programme
- To establish remote sensing and GIS lab
- Environmental quality testing lab.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) The department is well equipped with the infrastructure and equipment for research.
- b) Highly qualified dedicated and responsible work force, able to balance mission and constraints
- c) Good leader able to make critical timely decisions
- d) Approachable from National capital region of the country
- e) Funding from UGC and DST, Government of India.

**B) Weakness:**

- a) The department is in its infancy as established in 2009.
- b) Not emphasis on consultancy services
- c) Lack of recognition in terms of awards and patents.

**C) Opportunities:**

- a) To start new programmes to cater the need of demanding industry
- b) Use department alumni for extra help and as resource persons
- c) Use internal expertise for in house learning of the students in form of short projects
- d) Collaborate with other research institutions and universities for advanced instrumentation facilities
- e) To accredit the pollution monitoring laboratory from the State pollution control board.

**D) Challenges:**




- a) Recognition for success in mentoring through reward/recognition
- b) Should apply for more research projects with international funding agencies
- c) Looking at all educational delivery through the mentoring lens
- d) Mentoring is time intensive/time consuming
- e) Creating systems/processes that easily share mentoring resources/knowledge.

## Evaluative Report Department of Food Technology

1. **Name of the Department :** Food Technology
2. **Year of establishment:** 2010
3. **Is the Department part of a School/Faculty of the university?** Yes, Faculty of Life Sciences
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc., Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** Department of Computer Science and Engineering & IMSAR
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** Nil
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	-	-
<b>Associate Professors</b>	01	01
<b>Asst. Professors</b>	04	02

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Baljeet Singh Yadav	Ph.D., M.Sc.	Associate Professor & Head	Starch and resistant starch, cereal technology	12	01 
Dr. (Mrs.) Ritika	Ph.D., M.Sc.	Assistant Professor	Starch and protein characterization, Food Engineering Cereal Tech.	8	
Mrs. Jyotika	M.Sc.	Assistant Professor	Nutraceutical, Dairy Tech.	6	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

N.A

**13. Percentage of classes taken by temporary faculty – programme-wise information**

25-30%

**14. Programme-wise Student Teacher Ratio:**

6:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	13	01
Administrative staff	05	03

**16. Research thrust areas recognized by funding agencies:**

Development of value added novel products, Antioxidants properties of fruits and vegetables,  
Characterization of flours & starch.

**17. Number of faculty with ongoing projects from a) national b) international**

**funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S. No.	Name of Faculty	Project	Funding agency	Amount (Rs) lac
(i)	Dr. B.S.Yadav	Antioxidant properties of some raw and thermally processed vegetables of gourd family commonly grown in India.	UGC	10.78
(ii)	Dr. (Mrs.) Ritika	Production and characterization of gluten free noodles from some native and modified starches and their blends with gluten free flours from pseudocereals	UGC	12.93

**18. Inter-institutional collaborative projects and grants received** Nil

a) All India collaboration

b) International

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:**

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	Infrastructural Development Project from Ministry of Food Processing Industries, Govt. of India (MFPI)	72.01 lac

**20. Research facility / centre with /** Advanced research facilities like Rapid Visco Analyzer and food texture analyzer

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil

**22. Publications: (from 2008-2012)**

\* Number of papers published in peer reviewed journals (national / international): 23

\* Monographs: Nil

\* Chapters in Books: Nil

- |   |                            |
|---|----------------------------|
| * <b>Edited Books:</b>  | Nil                        |
| * <b>Books with ISBN with details of publishers:</b>  |                            |
| * <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>     | 19 (Scopus)                |
| * <b>Citation Index – range / average:</b>  | Range: 1-27, Average: 2.73 |
| * <b>SNIP:</b>  | -                          |
| * <b>SJR:</b>   | -                          |
| * <b>Impact Factor – range / average :</b>  | 0.21-2.545; Average: 1.04  |
| * <b>h-index:</b>   | 5                          |
| <b>23. Details of patents and income generated:</b>   | Nil                        |
| <b>24. Areas of consultancy and income generated</b>  | Nil                        |
| <b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>  |                            |
| • Nil   |                            |
| <b>26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):</b>   |                            |
| • Dr. Baljeet Singh Yadav working as Associate Editor in Advanced Journal of Food Science and Technology.   |                            |
| <b>27. Faculty recharging strategies</b>  |                            |
| • Lectures by the external experts in the subject and latest trend research methodology are conducted in the Department for the up-gradation of the knowledge of research scholar as well as faculty. |                            |
| <b>28. Student projects</b>   |                            |
| • <b>percentage of students who have done in-house projects including inter-departmental projects</b>   |                            |
| ✚ N.A   |                            |
| • <b>percentage of students doing projects in collaboration with other universities / industry / institute</b>  |                            |
| ✚ N.A   |                            |

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** 01 (Best paper presentation )
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Nil

**31. Code of ethics for research followed by the departments:**

- The ethics for research as per the M.D.U rules & regulations are followed in the Department. The ethics for research are also due consideration

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (Food Tech.) 2009-10	Combine entrance	07	04	100%	100%
2010-11		04	11	100%	100%
2011-12		06	08	-	-

**33. Diversity of students: (2011-12)**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Food Tech.)	42	08	05	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Examination	Qualified
NET	Two



**35. Student progression**

<b>Student Progression</b>	<b>Percentage%</b>
<b>UG to PG*</b>	NA
<b>PG to M.Phil.*</b>	NA
<b>PG to Ph.D.</b>	NA
<b>Ph.D. to Post-Doctoral</b>	Nil
<b>Employed</b>	
• <b>Campus selection</b>	Nil
• <b>Other than campus recruitment</b>	70 %
<b>Entrepreneurs</b>	Nil

**36. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
<b>of the same university</b>	100%
<b>from other universities within the State</b>	Nil
<b>from universities from other States</b>	Nil
<b>from universities outside the country</b>	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**38. Present details of infrastructural facilities with regard to**

<b>a) Library</b>	Central library
<b>b) Internet facilities for staff and students:</b>	100%
<b>c) Total number of class rooms :</b>	02
<b>d) Class rooms with ICT facility:</b>	01
<b>e) Students' laboratories:</b>	04
<b>f) Research laboratories:</b>	03

**39. List of doctoral, post-doctoral students and Research Associates**

<b>a) from the host university:</b>	Nil
<b>b) from other universities:</b>	03 (Doctoral);

- (i) Himani Kundu
- (ii) Munish Siwach
- (iii) Roshan Lal

**40. Number of post graduate students getting financial assistance from the university.**

- Ten

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- N.A

**42. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

Regular faculty meetings are held in each academic session to evaluate the teaching learning process as well as revision in the curriculum.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Feedback from students on the curriculum and teaching learning process in the prescribed proforma.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Information not available.

**43. List the distinguished alumni of the department (maximum 10):**

- Information not available

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Statistical methods for data analysis by Dr. Kapil Chaudhary from C.D.L.U, Sirsa on March 10, 2011
- Current status and future prospects of Indian food industry and wheat and scope of bakery products in India by Prof. B.S. Khatkar from G.J.U, Hisar on March 12, 2011.
- Post Harvest Management: Technological Gaps and Future Challenges by Prof. Raj Bala Grewal from HAU, Hisar on April 17, 2012

**45. List the teaching methods adopted by the faculty for different programmes.**

- Modern teaching aids like LCD and other interactive teaching methods are adopted by the faculty members.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The exam results of the students and their placements ensure that programme objectives are constantly met.

**47. Highlight the participation of students and faculty in extension activities.**

- Radio talks for the community and motivational lectures.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Celebration of World Food Day and organizing quiz contest for the students in the department.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- No

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The department is engaged in producing professionals with basic and applied knowledge in the area of Food Processing and Technology. The passed out students from the department are contributing to the technical know how and other scientific knowledge in the food industry to serve the nation. The department is also actively engaged in the research activities on the development of value added novel products and studies on the useful phyto chemicals which contribute a lot to be health and well-being of the human kind.

**51. Future plans of the department.**

- To establish and develop research laboratories in the identified thrust area of research in the department.
- To strengthen the research infrastructure and widen the dimensions of research activities through collaboration with various agencies.
- To organize national seminar/conference in the department.
- To emphasize on the good placement of the students and develop an industry academic interactive platform for the successful placements of the students.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) Highly qualified and well experienced teaching faculty.
- b) Professional and industry need oriented subject and course curricula.
- c) Dynamic approach for needful revision of the course curricula provides a solid background for all round development of the students.
- d) Good student teacher ratio of 1:6.
- e) Inter disciplinary course curricula.
- f) Commencement of Ph.D. with URS to the scholars.

**B) Weakness:**

- a) Lack of Departmental collaboration to strengthen human resource development, collaborative research and staff training.
- b) Lack of sufficient funds for development and modernization of laboratories.
- c) Lack of well trained and skilled lab attendants and technicians.

**C) Opportunities:**

- a) There are opportunities to grab research projects from various funding agencies.
- b) Growing demand of the food scientists and skilled manpower in the food industry.
- c) Setting up of pilot plants for food products like bakery products to generate internal revenue as well as to serve the community.
- d) Short term training courses or programmes to produce trained and skilled manpower.
- e) Ministry of Food processing industries Govt. of India is giving emphasis on infrastructure development in food processing and technology. Therefore, there is opportunity to grab funding from ministry.
- f) To establish accredited food analysis laboratory to analyze the common food product for their adulteration.

**D) Challenges:**

- a) Inclination of the Food Technology students towards government jobs in spite of good lucrative opportunity in the private sector.
- b) To attract the students for pursuing M.Sc. degree programmes in Food Technology especially in the decreasing interest of students in the various subjects of science stream.
- c) To upgrade and update the infrastructure facilities and curricular contents to meet the emerging food industry needs and trends.


## Evaluative Report Department of Genetics

1. **Name of the Department :** Genetics
2. **Year of establishment:** 2009
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc. Genetics,  
M.Sc. Forensic Sciences,  
Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** M.Sc. Forensic Science and  
Ph.D. in Forensic Sciences
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** M.Sc. Forensic Science,  
M.Sc.- Genetics
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** Department of Biotechnology,  
UIET, MDU, Rohtak
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	01	01
<b>Associate Professors</b>	01	01
<b>Assistant Professors</b>	09	07

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Ravi Parkash	Ph.D. & D.Sc.	Professor Emeritus	Drosophila Genetics	36	8	
Dr. J. P. Yadav	Ph.D.	Professor	Genetic variability of Medicinal plants	22	6	
Dr. A.K. Singh	Ph.D.	Scholar-in-Residence	Medicinal Plants	20	-	
Dr. Minakshi Vashist	Ph.D.	Associate Professor	Human Genetics	19	2	
Dr. Santosh Kumar Tiwari	Ph.D.	Assistant Professor	Microbial Technology	4	-	
D. Ritu Yadav	Ph.D.	Assistant Professor	Human Genetics	2	-	
Dr. Neelam Shehrawat	Ph.D.	Assistant Professor	Genetic Engineering of <i>A. culicifacies</i>	2	-	
Dr. Rajvinder Singh	Ph.D.	Assistant Professor	Forensic Diatomology/ Chemistry and Toxicology	2	-	
Dr. Sapna Sharma	Ph.D.	Assistant Professor	Forensic Entomology	2	-	

Dr. Neelkamal	Ph.D.	Assistant Professor	Human Genetics	2	-	
Dr. Mukesh Tanwar	Ph.D.	Assistant Professor	Human Genetics	0	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- (i) Dr. Ravi Prakash (Emeritus Professor under CSIR Scheme)  
(ii) Dr. A. K. Singh (Scholar-in-Residence under UGC Scheme)

**13. Percentage of classes taken by temporary faculty – programme-wise information**

Nil

**14. Programme-wise Student Teacher Ratio:**

- 7:1 (M.Sc.- Genetics),  
14:1 (M.Sc. - Forensic Sciences)  
2:1 (Ph.D.)

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	02	02
Administrative staff	04	01

**16. Research thrust areas recognized by funding agencies:**

Medicinal Plants Genetics,  
Drosophila Genetics, Human Genetics, Antimicrobial Peptides of Bacterial Origin, Biomarkers study in human breast Cancer, Forensic Diatomology

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S. No.	Name of Faculty	Project	Funding agency	Amount (Rs) lac
(i)	Prof. Ravi Prakash	Resistance to environmental stress in tropical <i>Drosophilids</i> : Analysis of multitrail associations across seasons and geographical regions	UGC	11.77
(ii)	Prof. Ravi Prakash	Climatic stress adaptaions in <i>Drosophilids</i> : Impactof global warming in the western Hilalayan	CSIR	14.52
(iii)	Prof. J. P. Yadav	To study endophytic fungi Associated with <i>Salvadoraoleoides</i> and its medicinal values	UGC	12.52
(iv)	Prof. J. P. Yadav	Studying the impact of climate change on quality and quantity of secondary metabolite in some commercial medicinal plants.	NMPB	19.69
(v)	Dr. (Mrs.) Minakshi Vashist	A Study Of Molecular Cytogenetic Characterization of XLMR patients in Severe Mental Retardation	UGC	11.90
(vi)	Dr.(Mrs.) Minakshi Vashist	“Evaluation of Mental Retardation cases in Haryana population of morphogenetics&cytogenetics analysis”	ICMR	20.02
(vii)	Dr. Santosh K. Tiwari	Characterization of bacteriocins of lactic acid bacteria isolated from fermented foods-Search for an effective food bio preservative	UGC	10.32
(viii)	Dr. Santosh K. Tiwari	Characterization of halocins produced by haloarchaea isolated from Pachpadra Salt Lake in Rajasthan	CSIR	18.60
(ix)	Dr. Santosh K. Tiwari	Bacteriocin Production by Lactic Acid Bacteria - Purification and Characterization	DST	16.95
(x)	Dr. RituYadav	To study the use of biomarkers breast cancer patients by immunohistochemistry	UGC	11.21



(xi)	Dr. Neelkamal	Characterization of cytogenetics & pathology in prognosis of acute lymphocytic leukemia	UGC	9.0
(xii)	Dr. Rajvinder Singh	Forensic diatomological analysis of some water bodies of Punjab	UGC	1.95

**18. Inter-institutional collaborative projects and grants received** Nil

a) All India collaboration

b) International

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:**

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	DST-FIST (Level – I)	61 lakhs
2.	UGC Innovative Programme	60 lakhs
3.	UGC-SAP	48.75 lakhs

**20. Research facility / centre with /** Nil

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil

**22. Publications: (from 2008-2012)**

- \* Number of papers published in peer reviewed journals (national / international): 144
- \* Monographs: Nil
- \* Chapters in Books: 12
- \* Edited Books: 02
- \* Books with ISBN with details of publishers: 978-3-8473-3966-3  
978-659-15773-8  
(Lambert Acad. Publishing )

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** 79
- \* **Citation Index – range / average:** Range: 1-21, Average: 1.33
- \* **SNIP:** 39.923
- \* **SJR:** 5.537
- \* **Impact Factor – range / average :** 0-5.62; Average: 2.06
- \* **h-index:** 25
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Dr. Santosh Kumar Tiwari visited Rutgers University, New Jersey under Indo-US Research Fellow supported by Indo-US Science and Technology Forum, New Delhi in 2011.
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Dr. Ravi Prakash (Professor Emeritus)
    - ✚ Acted as member of UGC Syllabus Committee.
    - ✚ Member of scrutiny committee of UGC Major and Minor Projects
    - ✚ Member of faculty selection committees of various universities
  - Prof. J.P. Yadav
    - ✚ Member of UGC Project Expert Panel since 2010
    - ✚ Member of UG-BOS of Kurukshetra University, Kurukshetra.
    - ✚ Editorial Member of Plant Archive Journal
    - ✚ Editorial Member of Biological Bulletin Journal
  - Dr. A.K. Singh and J.P. Yadav
    - ✚ NUCLEUS: registered for the Editorial Manager online submission and peer review tracking system for THE NUCLEUS, a Springer Publication.

- Dr. MinakshiVashist
- Member of Editorial Board.

### 27. Faculty recharging strategies

- Orientation courses, Refresher courses, and National and International Conferences/Symposium/workshops/Seminars/short term trainings etc.

### 28. Student projects

- **percentage of students who have done in-house projects including inter-departmental projects**
  - M.Sc. Forensic Science :100 %
- **percentage of students doing projects in collaboration with other universities / industry / institute**
  - Nil

### 29. Awards / recognitions received at the national and international level by:

- **Faculty:** 08
- **Doctoral / Post-doctoral fellows:** 03
- **Students:** Nil

### 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- 01(UGC & Dr. R.K. Fund, M.D. University Rohtak )

### 31. Code of ethics for research followed by the departments: Follow IBSC and IEC

### 32. Student profile course-wise:(2012-13)

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Genetics 2009-10	Combined Life science faculty	7	19	100%	100%
M.Sc. Genetics 2010-11		720		100%	100%
M.Sc. Genetics 2011-12		618		100%	100%
M.Sc. Forensic Sciences 2011-12		713		100%	100%

## 33. Diversity of students: (2011-12)

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Genetics (2009-10)	89.2%	3.5%	7.1%	-
M.Sc. Genetics (2010-11)	70.8%	16.6%	12.5%	-
M.Sc. Genetics (2011-12)	69.23%	7.6%	23.07%	-
M.Sc. Forensic Sciences (2010-11)	70.0%	15.0%	15.0%	-
M.Sc. Forensic Sciences (2011-12)	64.7%	5.8%	29.4%	-
Pre-PhD (2011-12)	85.0%	10.0%	5.0%	-

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Examination	Qualified
NET/CSIR/UGC	7
GATE	8
Other Services	3
Any other specify DST INSPIRED, HSCST & PDF etc	11
Civil Services & Defense Services	1

## 35. \Student progression

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	15%
Ph.D. to Post-Doctoral	25%

<b>Employed</b>	
• <b>Campus selection</b>	5%
• <b>Other than campus recruitment</b>	5%
<b>Entrepreneurs</b>	Nil

**36. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
<b>of the same university</b>	54%
<b>from other universities within the State</b>	0%
<b>from universities from other States</b>	46%
<b>from universities outside the country</b>	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** One

**38. Present details of infrastructural facilities with regard to**

- |   |                  |
|---|------------------|
| a) <b>Library</b>                                     | Central library. |
| b) <b>Internet facilities for staff and students:</b> | 100%             |
| c) <b>Total number of class rooms :</b>               | 04               |
| d) <b>Class rooms with ICT facility:</b>              | Nil              |
| e) <b>Students' laboratories:</b>                     | 05               |
| f) <b>Research laboratories:</b>                      | 07               |

**39. List of doctoral, post-doctoral students and Research Associates**

- a) **from the host university:** 16 (Doctoral); 02 (Post-doc)
- + Post-doc: Dr. Manju, Dr. Seema
  - + Doctoral: Babita, Chandrakala, JyotiChahal, KapilDev, Sandeep Grover, Manila, Poonam, Divya, BabuDayal, Khushbu, Sangeeta, RadhaRathee, Shiksha, Amit Kumar, Preeti, Vijay Kumar
- b) **from other universities:** 02 (Doctoral)
- + Ramajeet, Abha Gupta, Keerti

**40. Number of post graduate students getting financial assistance from the university.**

- M.Sc. Genetics (4th Semester 2012) : 04
- M.Sc. Forensic Science (4th semester 2012) : 02

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Yes, for M.Sc. Forensic Science started in 2010 following exercises were undertaken:

- Course approval through PG-BOS, AC & EC
- Staff approval
- A syllabus of M.Sc. Forensic Science was prepared after thoroughly going through the syllabi of various universities running Forensic Science were thoroughly studied.
- Pursued for MoU with FSL, Madhuban for student teaching and training programs.
- After course was started in 2010, letter for the collaborations with various Forensic Science Laboratories (Central and State) and Universities running Forensic Science course were written for the future research and trainings of students

**42. Does the department obtain feedback from****a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes, through regular meetings of faculty members.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes, it is evaluated by Internal Quality Assurance Cell (IQAC).

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Yes, through interaction.

**43. List the distinguished alumni of the department (maximum 10):**

- Dr. J.P. Yadav, Prof. & Head, Department of Genetics, M.D.U. Rohtak
- Dr. Minakshi Vashist, Associate Professor Department of Genetics, M.D.U. Rohtak
- Dr. Ritu Yadav, Assistant Professor Department of Genetics, M.D.U. Rohtak
- Dr. Neelam Sehrawat, Assistant Professor Department of Genetics, M.D.U. Rohtak
- Dr. Neelkamal, Assistant Professor Department of Genetics, M.D.U. Rohtak
- Dr. Sushilla Saini, Assistant Professor, Janta college, Charkhi Dadri
- Dr. Sudir Kataria, Assistant Professor, Department of Zoology, MDU, Rohtak
- Dr. Ashok Munjal, Associate professor, Central Tribal University (M.P.)
- Dr. Pankaj Tyagi, Assistant Professor, Department of Biotechnology, MIET, Meerut (U.P.)
- Dr. Manvender, Assoc. Professor University Institute of Engineering and Technology, M. D. University, Rohtak

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Department organized a National Seminar on “Recent Developments in Genetic Studies” in 2012
- Students of M.Sc. Forensic Science (1<sup>st</sup> and 3<sup>rd</sup> Semesters) participated in National Symposium on “Education and Research in Forensic Science: Issues and challenges” organized by the Department of Forensic Science, Punjabi University, Patiala (Pb.) India from March 15-16, 2012.
- M.Sc. Genetics & Forensic Science student Training Programs:
  - ✚ Chemind Diagnosis & Biosolutions laboratory, Jaipur
  - ✚ One day educational trip of Students of M.Sc. Genetics to PUSA IARI, New Delhi
  - ✚ Forensic Science laboratory, Madhuban, Karnal
  - ✚ Forensic Science laboratory, Junga, Himachal Pradesh
  - ✚ State Crime Record Bureau, Haryana Police Academy, Maduban
  - ✚ Department of Forensic Medicine, Pt. B.D.S. Univ. of Health Science, Rohtak

- Special lectures:
  - ✚ Prof. Madhulika Dubey, Department of Biostatistics, M.D. University, Rohtak delivered special lectures on Biostatistics
  - ✚ Dr. B. R. Yadav, Project Scientist, NDRI, Karnal delivered extension lecture on Molecular Genetics.
  - ✚ Dr. R. K. Koshal, Assistant Director, Forensic Science Laboratory, Madhuban delivered extension lectures on Forensic Ballistics
  - ✚ Finger Print experts of the State Crime Record Bureau (SCRB), Madhuban delivered special lectures on Fingerprint Examination.
  - ✚ Prof. M. K. Thakkar, Head, Department of Forensic Science, Punjabi University, Patiala (Pb.) delivered special lecture on Forensic Techniques in Crime Scene Investigation.
  - ✚ Faculty of Forensic Medicine department of Pt. B.D.S. University of Health Science, Rohtak delivered special lectures on Post-mortem investigation of death & determination of age and sex from skeletal remains.

**45. List the teaching methods adopted by the faculty for different programmes.**

- Use of multimedia tools such as OHP, LCD projector and interactive boards.
- Interactive teaching through classroom discussion, Tutorials, assignments, seminars, class tests
- One test per semester/paper for internal Assessment.
- To improve ability for analysis of research data with statistical and other softwares that is biostatistical skills of student.
- Power point presentations for seminars etc.
- Extension lectures by scientists & senior professors from reputed universities.
- Educational Tours.
- Student feedback system has been implemented & the remedial measure has been started as per student feedback.
- Training Programs in Medical Colleges, State Crime Record Bureau and Forensic Science laboratories for practical demonstration in the field of Forensic Science.
- Continuous up gradation of research curriculum of students by providing training in various reputed Universities or Institutes.

**Research**

- Pre Ph.D. course has been introduced as per new UGC guidelines.
- Biannually research seminars conducted to review the research progress.



- Monthly discussion on key research papers in relevant fields.
- Monthly discussion on methodology update in research area.
- Trimonthly seminars on research manuscript ready for submission.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Through feedback of students and parents.

**47. Highlight the participation of students and faculty in extension activities.**

- Student participation: Students regularly participate in Quiz programs, Bio-fest, AIDS awareness programs and other cultural activities.
- Departmental committee namely “Carrier Counseling and Placement Cells” has been constituted. Two teachers of the same department have been appointed to look into these matters.
- Similarly, two other committees i.e. ‘IQAC’ and ‘Research Activities’ have also constituted for the welfare of students and research scholars of the department.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Teacher’s day was celebrated on 5<sup>th</sup> September, 2011 involving Quiz, Poster making, Slogan writing and Speech completions.
- AIDS awareness programme was organized by the Rohtak AIDS Control Society in the department in March and September 2011.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Departmental Internal Audit was made by the external experts in 2011

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The department is actively involved in teaching and research activity related to Genetics and Forensic Sciences. The course curriculums have been designed in such a way that it provide basic concept as well as applied aspect of the subject.

**51. Future plans of the department.**

- Plans for Departmental growth:
  - To develop high quality teaching and research methodology.

- ✚ To collaborate with national and international institution related to Genetics and Forensic Sciences.
- ✚ To encourage the faculty member for strengthening the research by generating the grant from different finding agencies.
- ✚ To develop infrastructure facility for both teaching as well as research.
- ✚ To create computer laboratory for students and researchers.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Department is sturdily funded by DST FIST and UGC Innovative and SAP for research development activities.
- b) Highly dedicated, punctual and enthusiastic faculty actively involved in teaching and research.
- c) Department teaching and research is nurtured with the experiences of Professor Emeritus and Scholar-in Residence.
- d) Some hi-tech instrumentation facility is available in the department.
- e) Department has a large no. of research scholars.
- f) The department is simultaneously running M.Sc. & Ph.D. in Genetics and Forensic Science.
- g) The department is actively involved in partnerships with other departments within the university.

**B) Weakness:**

- a) Lack of Space for teaching and research.
- b) Administrative delays due to lack of experienced non- teaching staff in the department.
- c) Shortage of teaching and non-teaching staffs.

**C) Opportunities:**

- a) Department is running M.Sc. Genetics and M.Sc. Forensic Science courses which is an opportunity for various enthusiastic students who want to serve join law enforcement agencies like DNA fingerprinting labs and state and Central Forensic laboratories. Students can also peruse private practice in fingerprint and questioned document
- b) Ph.D. and Post-doctoral courses in the department.
- c) Scope for teaching Jobs.
- d) Increased interest in global initiatives for technological advances.

**D) Challenges:**









- a) Shift in focus on numerical achievement vs. qualitative achievement.
- b) Societal and student perception of education as solely a means to a job
- c) Reporting perceived as a ritual and meaningless.

## Evaluative Report Department of Microbiology

1. **Name of the Department :** Microbiology
2. **Year of establishment:** 2009
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :** M.Sc. Microbiology  
M.Sc. Microbial Biotechnology  
Ph.D. Microbiology
5. **Interdisciplinary courses and departments involved:** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	<b>01</b>	<b>0</b>
<b>Associate Professors</b>	<b>01</b>	<b>01</b>
<b>Asst. Professors</b>	<b>07</b>	<b>07</b>

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Pratyosh Shukla	Ph. D.	Associate Professor	Enzyme & Microbial Biotech, Protein Bioinformatics, Medical Mycology, legal Issues in Biotech.	12	04	
Prof. Kamla Chaudhary	Ph. D.	Emeritus Professor	Microbial Biotechnology	30	04	
Dr. Krishan Kant Sharma	Ph. D.	Assistant Professor	Enzymology & Recombinant DNA Technology	2.5	-	
Dr. Bijender Singh	Ph. D.	Assistant Professor	Enzymology & recombinant Vaccines	2.5	-	
Ms. Pooja Suneja	Ph. D.	Assistant Professor	Microbial Biotechnology	2	-	
Dr. Sanjay Kumar	Ph. D.	Assistant Professor	Bioprocess Engineering	2	-	
Dr. Pooja Gulati	Ph. D.	Assistant Professor	Medical Microbiology	2	-	
Dr. Rajeev K. Kapoor	Ph. D.	Assistant Professor	Industrial Microbiology, Biotechnology & IPR	2	-	
Dr. Anita Rani	Ph. D.	Assistant Professor	Bioremediation	2	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- **Emeritus professors**
  - ✚ Prof. Kamla Chaudhary
- **Adjunct Visiting Professors from Foreign Universities:**
  - ✚ Prof. Kawarabayasi Yutaka, Faculty of Agriculture, Kyushu University, Hakozaki, Fukuoka, Japans
  - ✚ Prof. Eva Nordberg Karlsson, Department of Biotechnology, P.O. Box 124, 221 00 Lund, Sweden

**13. Percentage of classes taken by temporary faculty – programme-wise information** 10%**14. Programme-wise Student Teacher Ratio:** M.Sc. Microbiology: 5:1  
M.Sc. Microbial Biotechnology: 2:1**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	1	1
Administrative staff	2	2

**16. Research thrust areas recognized by funding agencies:** Enzyme & Microbial Biotechnology, Protein Bioinformatics, Medical Microbiology, IPR**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S.No	Name	Project Title	Name of Funding Agency	Grant received/ sanctioned (Lakhs)
(i)	Dr. K. K. Sharma	Production, cloning and characterization of laccase from soil bacteria	UGC	11
(ii)	Dr. K. K. Sharma	Production, cloning and characterization of laccase from soil bacteria	UGC	11
(iii)	Dr. K. K. Sharma	Laccase Isozymes from different white-rot fungi	DST	30

(iv)	Dr. K. K. Sharma	Concomitant production of multiple enzymes and its application in deinking of news paper pulp	CSIR	23
(v)	Dr. Bijender Singh		DST	11
(vi)	Dr. Bijender Singh	Characterization of phytase from fungi isolated from soil samples: Search for an effective feed additive for amelioration of nutritional status	UGC	25
(vii)	Ms. Pooja Suneja Madan	Molecular..... Diversity of Chickpea Rhizobia	UGC	2
(viii)	Dr. Sanjay Kumar	Development of a cost effective strategy for the production of Human TNF-alpha in <i>Escherichia coli</i>	UGC	14
(ix)	Dr. Pooja Gulati	Identification and characterization of integronmediated antibiotic resistance in <i>Escherichia coli</i> isolated from Yamuna River Water	UGC	14
<b>18. Inter-institutional collaborative projects and grants received</b>			Nil	
a) All India collaboration				
b) International				
<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:</b>			Nil	
<b>20. Research facility / centre with /</b>			Nil	
• state recognition				
• national recognition				
• international recognition				
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>			Nil	
<b>22. Publications:</b>				
* Number of papers published in peer reviewed journals (national / international):			153	
* Monographs:			01	

* <b>Chapters in Books:</b>	26
* <b>Edited Books:</b>	02
* <b>Books with ISBN with details of publishers: 02</b>	
(i) Proceedings of the 51st Annual International Conference of the Association of Microbiologists of India - Recent Trends in Cross-disciplinary Microbiology: Avenues and Challenges. 3Biotech (Springer), 1(4):187-272. (ISBN 2190-572X (print version), 2190-5738 (electronic version))	
(ii) Computational Strategies towards Improved Protein Function Prophecy of Xylanases from <i>Thermomyceslanuginosus</i> . Springerbriefs in Systems Biology, Springer Verlag (ISBN 978-1-4614-4722-1) 2012	
* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>	146
* <b>Citation Index – range / average:</b>	Range: 1-94, Average: 6.02
* <b>SNIP:</b>	0
* <b>SJR:</b>	0
* <b>Impact Factor – range / average :</b>	1-6; Average: 2.232
* <b>h-index:</b>	2-8 (Average: 3.5)
<b>23. Details of patents and income generated:</b>	Novel $\beta$ -1, 4-endoxylanase from <i>Thermomyceslanuginosus</i> SS-8 and the mode of action thereof. Ref No.141/KOL/2010; Filed on 15/02/2010 at the Patent Office, Kolkata
<b>24. Areas of consultancy and income generated</b>	Nil



**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**

Abroad:

- Dr. Pratyosh Shukla (South Africa, Malaysia, Thailand, Mauritius)
- Dr. Bijender Singh (Germany)
- Dr. Kamla Chaudhuary (USA, UK, Germany)

India

- Dr. P. Shukla (IIT Madras, IIIT Allahabad, Central University, Jharkhand, Sagar University, Jiwaji University Gwalior, Ranchi University)
- Dr. KK Sharma: HAU Hisar, Banaras Hindu University, Varanasi; Manav Institute, Jevra, Hissar

**26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**

Dr. Pratyosh Shukla

- Editorial Board
  - (i) Editor, Indian Journal of Microbiology (Springer)
  - (ii) Editor-In Chief, Journal of Microbiology, Internet Scientific Publishers, USA (2007-2009)
  - (iii) Reviewer and Member, Editorial board of Journal of Applied Sciences in Environmental Sanitation, ITS, Indonesia
  - (iv) Member, Editorial Board of Research Journal of Microbiology, Academic Journals Inc.
  - (v) Member, Editorial Board of American Journal of Food Technology, Academic Journals Inc.
  - (vi) Member, Editorial Board of Journal of Biological Sciences, ANSINET
  - (vii) Member, Editorial Board of Trends in Applied Sciences Research

**27. Faculty recharging strategies**

Faculty of the Department undergoes Orientation and Refresher courses as prescribed in the UGC guidelines.

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects**

To provide quality education to its students and motivate and expose them to do active research. The department has started M.Sc. dissertation programme for the each of the M.Sc. students. Students have been given a research problem in the beginning of their curriculum and placed under respective guides

- **percentage of students doing projects in collaboration with other universities / industry / institute**

One Ph.D. student is collaborating with Delhi University for a project

**29. Awards / recognitions received at the national and international level by:****• Faculty**

- (i) Dr. P. Shukla, HOD, Dept. of Microbiology  
 ✚ Awarded as Best Poster Award- Danisco India Award in Probiotics & Enzyme Technology (2010)  
 ✚ Best Poster Award, International Conference, InCoFIBS, 2010, NIT Rourkela (2010)
- (ii) Dr. Bijender Singh, Assistant Professor  
 ✚ Young Scientist award in Industrial Microbiology (2009) by Association of Microbiologists of India (AMI)
- (iii) Dr. K.K. Sharma, Assistant Professor  
 ✚ DST-Fast Track Young Scientist award-2010-2011
- (iv) Dr. Rajeev Kumar Kapoor, Assistant Professor  
 ✚ Judged as best presenter in National conference on “Bio-Diversity: Challenges and Opportunities” on 18 February, 2011, at Maharshi Dayanand University (MDU), Rohtak.

**• Doctoral / Post-doctoral fellows:** Nil

**• Students**

- ✚ Stood first at national quiz competition in TERI, New Delhi  
 ✚ Stood 1st and 2nd in interdepartmental Poster making and Quiz respectively, at MDU, Rohtak

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- The department organized a seminar titled "Intellectual Property - Creation and Protection 23 April, 2011"

**31. Code of ethics for research followed by the departments:**

Guidelines for research are in place for research and other departmental activities.

**32. Student profile course-wise:(2011-12)**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
<b>M.Sc. Microbiology</b>	65	2	13	100 %	100%
<b>M.Sc. Microbial Biotechnology</b>	15	5	4	100%	100%

## 33. Diversity of students: (2011-12)

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. Microbiology	60%	20%	20%	None
M.Sc. Microbial Biotechnology	60%	20%	20%	None

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Examination	Qualified
UGC-CSIR-NET	One

## 35. Student progression

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	15%
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	Nil
• Other than campus recruitment	100%
Entrepreneurs	01

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	25%
from other universities within the State	25%
from universities from other States	50%
from universities outside the country	N.A.

37. **Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** N.A.
38. Present details of infrastructural facilities with regard to
- |   |   |
|---|---|
| a) <b>Library</b>                                     | Central library.  |
| b) <b>Internet facilities for staff and students:</b> | Department has provided computer in each classroom which is connected to internet. Department has 13 computers with broadband internet connectivity |
| c) <b>Total number of class rooms :</b>               | Four  |
| d) <b>Class rooms with ICT facility:</b>              | Four  |
| e) <b>Students' laboratories:</b>                     | Four  |
| f) <b>Research laboratories:</b>                      | Five  |
39. **List of doctoral, post-doctoral students and Research Associates**
- |   |    |
|---|----|
| a) <b>from the host university:</b>                           | 03 |
| <b>Ms. Preeti Chutani, Mr. Jinender Jain, Ms. Ekta Nagang</b> |    |
| b) <b>from other universities:</b>                            | 02 |
| <b>Deepthi Singh, Ms. Sapna</b>                               |    |
40. **Number of post graduate students getting financial assistance from the university.**
- One
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
- As per IQAC guidelines, feedback from the students is obtained and analyzed and based upon the students feedback curricula is modified.
42. **Does the department obtain feedback from**
- |  |     |
|--|-----|
| a) <b>faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?</b> | Yes |
|--|-----|
- The department takes feedback through regular Departmental Committee meetings and utilizes the important points after necessary approval of authorities as the case may be.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

The department takes feedback through constant presentations after end of each semester during the M.Sc. project presentations and departmental events as well. The learned academicians visiting departments from different universities for various reasons (PGBOS, DRC, M.Sc. Dissertation Exam, Practical Exams) also provide feedback on teaching learning evaluation. The department immediately discusses its impact and implements the suggestions after discussing in DC meetings or after necessary approval of authorities as the case may be.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

The department has taken feedback from alumni students during alumni meet and one employer (Supreme Specialty Foods Pvt. Ltd. Sonapat, Haryana) also interacted for placement of our student. Very recently another employer (Intas Biopharmaceutical Ltd., Ahmedabad) contacted us regarding the placement of our students in R & D unit of the company.

**43. List the distinguished alumni of the department (maximum 10):**

S. No.	Name	Name of Organisation
1	Ms. Kavita Kadian	Research Scholar (IMTECH Chandigarh)
2	Preeti Chutani	JRF, Dept. of Microbiology, MDU Rohtak
3	Deepika Kadyan	Research Scholar, Dept. of Biotechnology, HAU Hissar
4	Narender Sikriwal	DAV School Group

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Department regularly organizes a number of Seminars on emerging aspects of Microbiology. Students are encouraged to participate in Workshops, Seminars organized by other departments as well. The department also organizes extension lectures by inviting various experts to deliver lectures.

**45. List the teaching methods adopted by the faculty for different programmes.**

- Faculty members have started using audio video based programmes to enhance the understanding of the subject. The students are taught by means of white board in conjunction to the LCD projectors and PowerPoint presentation. Faculty members also encourage paper reading to update the students on the technology front.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The courses are modified after taking feedback from Academic and industry experts and to meet the changing global needs. The evaluation process comprises sessional tests/ seminars/presentations/ viva-voce/ practical training (internship), etc. The University Teaching Departments have been given functional autonomy in paper-setting, conduct of exams, and evaluation. Regular revision of syllabi of various courses in keeping with the latest trends and the requirements of upcoming job market is a salient feature of the university.

**47. Highlight the participation of students and faculty in extension activities.**

- Students are encouraged for varied activities, including participation in a variety of co-curricular and social activities. The students are engaged in multifarious activities such as brain-storming, role-plays, quizzes, news analysis, extempore debates, panel discussions, paper presentations.
- Faculty members from the department serve as resource persons in training workshops and extension lectures in other departments. Faculty members from the department have given several presentations on the subject of their expertise.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Department organizes regular Educational tours of the students. Students are updated on the new emerging areas by organizing debates and quizzes. Department organizes a number of activities like cultural activities, debates, declamations, quizzes, poster making competition, paper reading.

**49. State whether the programme/ department is accredited / graded by other agencies? If yes, give details.**

- N.A.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- To provide quality education to its students and motivate and expose them to do active research. The department has started M.Sc. dissertation programme for the each of the M.Sc. students. Students have been given a research problem in the beginning of their curriculum and placed under respective guides.
- Slow learners are identified during the course of classroom discussions, general interaction, keen observation, and evaluation of their performances in the examinations. Tutorials are one of the means to explain the basic concepts to slow learners on one-to-one basis. Slow learners are always encouraged by the teachers to clear their doubts even personally, after the normal class lecture. Identified advanced learners are guided through more challenging tasks in the subject, and are provided with additional references for further readings.
- Advanced learners do not ever face any problem in obtaining individual guidance from the faculty members. Depending upon one's potential and natural orientation, such students are counseled in areas of interests specific to each. These students are also encouraged to participate in trainings and workshops held at reputed national/international centers for advanced studies

**51. Future plans of the department.**

- Department has created some research laboratories according to the subject specialization of the faculty members. The research programmes will further be enhanced after the laboratories are in place.
- The department also plans to extend the domain knowledge to undergraduate colleges around the MDU campus.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****Strength:**

- (i) Highly qualified faculty from the renowned institutes of India.
- (ii) Subject experts in diverse domains of microbiology (Medical Microbiology, Industrial Microbiology, Enzyme Technology, Vaccines, Bioinformatics, Bioremediation and IPR)

- (iii) Regular updating of syllabus after taking feedback on curriculum from external experts during academic audit
- (iv) Five Research laboratories carrying out active research in the most promising fields of microbiology

**Weakness**

- (i) Department has a crunch of space to establish more research facility.
- (ii) Department is new therefore, some equipment for research are to be procured.
- (iii) Shortage of clerks and laboratory attendants.
- (iv) Since, 70% of the students come from rural background, faculty members needs extra teaching learning hours to bring them to an acceptable level.
- (v) The amount of research funds is less than required, however each faculty member in the department are trying to catch grant through sponsored projects.

**Opportunities**

- (i) We can get good research funding from programmes like SAP and FIST
- (ii) We can avail more research funds by applying for sponsored projects to different funding authorities.

**Challenges:**

- (i) To produce quality students and research manpower in the field of microbiology
- (ii) To cater the need to students towards their placement.
- (iii) To catch up more funds from central government agencies.









## Evaluative Report Department of Zoology

1. **Name of the Department :** Zoology
2. **Year of establishment:** 2009
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc. (Zoology), M.Sc. (Genomics), Pre-Ph.D. (Zoology, Genomics), Ph.D.
5. **Interdisciplinary courses and departments involved:** Ph.D. (if Interdisciplinary)
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Ph.D., Dissertation M.Sc.
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Choice Based Credit System
9. **Participation of the department in the courses offered by other departments:** Departments of Faculty of Life Sciences as per choice-based credit system
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	-	-
<b>Associate Professors</b>	01	02
<b>Assistant Professors</b>	05	04

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Minakshi Sharma	Ph.D.	Associate Professor	Animal Physiology & Toxicology	16	1	
Dr. Vineeta Shukla	Ph.D.	Associate Professor	Enzyme Technology & Biosensor	20	4	
Dr. Sudhir Kumar Kataria	Ph.D.	Assistant Professor	Cytogenetics	12	3	
Dr. Anil Chhillar (20.8.08 to 1.7.09)	Ph.D.	Assistant Professor	Antimicrobial molecules and proteomics	05	01	
Dr. Sudesh Rani	Ph.D.	Assistant Professor	Fisheries	4	-	
Dr. Ranjana Jaiwal	Ph.D.	Assistant Professor	Molecular Endocrinology & Reproductive Biotech.	20	1	
Dr. Vinay Malik	Ph.D.	Assistant Professor	Cytogenetics and Genomics	6	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- Prof. Deva D Sharma from Shaw University Raleigh (NC)
- Prof Roop Lal, Department of Zoology, University of Delhi, Delhi
- Prof. JS Rana, Head, Department of Biotechnology, DBCRU Sc& Tech, Murthal
- Prof. RK Gupta, Head, Department of Zoology, CCSHAU, Hisar
- Prof, Rajneesh Sharma, Department of Zoology, KU, Kurukshetra
- Prof RC Sihag, Department of Zoology, CCSHAU, Hisar

- Professor Emeritus, SS Lal, Department of Zoology, CCSU, Meerut
- Prof SVS Rana, Vice Chancellor, Bundelkhand University, Jhansi
- Prof Ashok Munjal, Head, Department of Zoology, Amarkantak University, Amarkantak
- Sr. Prof Dhruv Chaudhary, University of Medical and Health Sciences, Rohtak
- Sr. Prof SS Lohchhab, Head, Department of Cadiac-surgery, University of Medical and Health Sciences, Rohtak
- Prof. Prakash Joshi, Gurukula Kangri University, Haridwar
- Prof R Joshi, Gurukula Kangri University, Haridwar
- Prof RC Kalia, Department of Biotechnology, Summer Hill University, Shimla
- Prof JS Rawat, Department of Veterinary Microbiology and Immunology, Lala Lajpat Rai University of Veterinary Sciences, Hisar
- Prof RK Singh, Director, Centre for Equines, Hisar

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:** 10:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	03	03
Administrative staff	02	02

**16. Research thrust areas recognized by funding agencies:**

- Stress Physiology; Environmental Pollution (Impact Assessment & abatement); Animal Physiology; Fisheries; Ecotoxicology; Environment Management; Cytogenetics; biosensor and enzyme technology, Molecular endocrinology and reproductive biotechnology

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding**

**agencies and grants received project-wise.**

S. No.	Name of Faculty	Project	Funding agency	Duration	Amount(Rs)
(i)	Dr. Vineeta Shukla	Major	UGC	2011-14	10,95000/-
		Minor	M.D. U. Rohtak	2011-12	10,000/-
(ii)	Dr. Minakshi Sharma	Major	UGC	2011-14	10,91000/-
(iii)	Dr. Sudhir Kataria	Major	UGC	2010-13	14,19,000/-
			M.D.U. Rohtak	2010-11	10,000/-
(iv)	Dr. Sudesh Rani	Major	UGC, New Delhi	2012-15	5,37,000/-
(v)	Dr. Ranjana Jaiwal	Major	UGC, New Delhi	2012-15	10,58,000/-

**18. Inter-institutional collaborative projects and grants received** Nil

**a) All India collaboration**

**b) International**

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	DST-FIST (Level – I)	53.5 lakhs

**20. Research facility / centre with /** Nil

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil

**22. Publications: (from 2008-2012)**

- \* Number of papers published in peer reviewed journals (national / international): 56
- \* Monographs: Nil
- \* Chapters in Books: 04
- \* Edited Books: Nil

- \* **Books with ISBN with details of publishers:**
  - (i) Proceedings of National Seminar on “Computing life: Raw to refined” (ISBN: 978-81-920925-0-2) on March 27, 2010 organized by the Dept. of Zoology, M.D. University Rohtak.
  - (ii) Proceedings of National Seminar on “Internet: Applications and research” (ISBN: 978-81-920925-1-9) on March 26, 2011 organized by the Dept. of Zoology, M.D. University Rohtak.
  - (iii) Proceedings of National Seminar on “Challenges in Combating Diseases: Cause to Cure” (ISBN: 978-81-920925-2-6) on March 23, 2012 organized by the Dept. of Zoology, M.D. University Rohtak.
- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** 20
- \* **Citation Index – range / average:** Range: 1-20, Average: 52
- \* **SNIP:** -
- \* **SJR:** 2.25
- \* **Impact Factor – range / average :** Average: 0.84
- \* **h-index:** 17
- 23. **Details of patents and income generated:** Nil
- 24. **Areas of consultancy and income generated** Nil
- 25. **Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
  - Applied for Fulbright exchange programme
- 26. **Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
  - National committees: Dr. Vineeta Shukla, Dr. Minakshi Sharma
  - Editorial boards: Dr. Vineeta Shukla, Dr. Minakshi Sharma
- 27. **Faculty recharging strategies**
  - through various ICT technologies and faculty development programmes through training, workshops, seminars, conferences etc.
- 28. **Student projects**
  - **percentage of students who have done in-house projects including inter-departmental projects**
    - 🇮🇳 100 % - dissertation work

- percentage of students doing projects in collaboration with other universities / industry / institute

27%.

**29. Awards / recognitions received at the national and international level by:**

- Faculty:** 02
- Doctoral / Post-doctoral fellows:** 03
- Students:** 03/04 (INSPIRE/NET)

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Proceedings of National Seminar on “Computing life: Raw to refined” (ISBN: 978-81-920925-0-2) on March 27, 2010 organized by the Dept. of Zoology, M.D. University Rohtak.
- Proceedings of National Seminar on “Internet: Applications and research” (ISBN: 978-81-920925-1-9) on March 26, 2011 organized by the Dept. of Zoology, M.D. University Rohtak.
- Proceedings of National Seminar on “Challenges in Combating Diseases: Cause to Cure” (ISBN: 978-81-920925-2-6) on March 23, 2012 organized by the Dept. of Zoology, M.D. University Rohtak

**31. Code of ethics for research followed by the departments:**

- Yes, animal experiments (rat/mice) are to be taken care as per Ethical guidelines from procurement to disposal**

**32. Student profile course-wise:**

Admissions are done through JNU common entrance test

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
<b>M.Sc. (Zoology)</b>					
<b>2009-10</b>	735	9	21	30%	70%
<b>2010-11</b>	906	9	21	30%	70%
<b>2011-12</b>	615	6	27	20 %	80%

## 33. Diversity of students:

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. (Zoology)				-
2009-10	75%	15%	10%	-
2010-11	70%	16%	14%	-
2011-12	78%	6%	16%	-

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Examination	Qualified
NET/CSIR/UGC	06
GATE	01
INSPIRE fellow	03
Any other specify RGNF/URS	03

## 35. Student progression

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	13
Ph.D. to Post-Doctoral	All
Employed	
• Campus selection	01
• Other than campus recruitment	15
Entrepreneurs	Nil

**36. Diversity of staff****Percentage of faculty who are graduates**

<b>of the same university</b>	68%
<b>from other universities within the State</b>	16%
<b>from universities from other States</b>	16%
<b>from universities outside the country</b>	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** 01

**38. Present details of infrastructural facilities with regard to**

<b>a) Library</b>	Central library
<b>b) Internet facilities for staff and students:</b>	100%
<b>c) Total number of class rooms :</b>	02
<b>d) Class rooms with ICT facility:</b>	01
<b>e) Students' laboratories:</b>	04
<b>f) Research laboratories:</b>	08

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host university:** 05 (Doctoral)

✚ Poonam, Monika Dhankhar, Vinay Malik, Ajay Kumar, Jyoti

**b) from other universities:** 05 (Doctoral)

✚ Sandeep K Das, Pardeep Siwatch, Devender Kumar, Monika Tomar, Seema

**40. Number of post graduate students getting financial assistance from the university.**

- 12

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- Consulted other universities/Institutes for curriculum and res lab facility start of PG in Genomics and curriculum development for PG courses.



**42. Does the department obtain feedback from**

- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

Through feedback Performa by faculty. Feedbacks from faculty are taken into consideration in the meetings of committee in the revision of syllabus, to design elective courses as well as to include new add-on courses.

- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Through feedback Performa before the dispersal of classes in each semester. Feedbacks from students are taken into consideration in the meetings of committee, for designing of course content, syllabi, examination methods, to analyses teachers involvement, quality of teaching, facilities of library and laboratories etc.

- c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

Relevance of the course contents are discussed in the alumni meet and suggestions are considered by the Committee, while revising the course curriculum.

**43. List the distinguished alumni of the department (maximum 10):**

- Pradeep (HCS),
- Rama Kataria (Poland),
- Naseeb(Food Supply Dept),
- Somveer (Military),
- Sunil Kumar (SI, Delhi Police)

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Special lecture by Prof. Deva D Sharma from Shaw University Raleigh (NC), frequent seminars are organized on latest and emerging thrust areas in the subject.

**45. List the teaching methods adopted by the faculty for different programmes.**

- LCD projectors; online facility and Multimedia.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Through internal assessment and as per IQAC guidance.

**47. Highlight the participation of students and faculty in extension activities.**

- Department also organized quiz competition, poster presentation, debate competition and Excursion tour. Department has organized interdepartmental cultural programme as CULTURAL GALA on March 22, 2011.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Department also organized quiz competition, poster presentation, debate competition and Excursion tour. Department has organized interdepartmental cultural programme as CULTURAL GALA on March 22, 2011. Recently the Dept. has organized the academic tour on 4th Feb 2012.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Yes, NAAC

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Ecotoxicology, Endocrinology, Biosensor technology, Genotoxicity, Fisheries.

**51. Future plans of the department.**

- PURSE and UGC-SAP proposal preparation; UGC Innovative Programme. To start PG Diploma in life Science related fields.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) The teaching faculty members are six.
- b) The diverse specializations of the already working faculty in the department in terms of research as well as modern teaching methods and internet skills etc. are exemplary.
- c) The department has several research projects completed and running which were duly sanctioned from the various funding agencies like DST UGC, DBT, ICAR etc. Recently the department has received a grant of Rs. 53.50 Lakh under the DST –FIST programme.
- d) The faculty has research publications in the international and national journals with impact factors and credited with books publications also.

**B) Weakness:**

- a) Major instruments like HPLC/MSMS, electrometer, gel documentation etc for the improvement of the research programme need to be funded by University.
- b) The admission process for new course PG in Genomics, session 2012-13, with intake of 15 students has started for which extra funds are required.
- c) None of the major paid journal of Zoology is available freely online at university website like Science Direct, Elsevier etc.
- d) The department has potential to cater the needs of the 85 PG students.
- e) Funding for attending the seminar/conferences at national and/or International for teaching faculty is required to be promoted.

**C) Opportunities:**

- a) The department is offering M.Sc. and Ph.D. Courses in Zoology & Genomics separately.
- b) Planning to start M.Phil. in Zoology subject.
- c) Planning to start PG Diploma course in Life Science field.

**D) Challenges:**





- a) The intake in the Post graduate courses at the feeder level should be qualitatively improved being declining strength at UG level.
- b) Job opportunities being restricted as stated above.
- c) All the weakness as quoted above need to be redressed immediately for the improvement and growth of the department being newly created.

## Evaluative Report Department of Music

1. **Name of the Department :** Music
2. **Year of establishment:** 1983
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** MA, M.Phil, Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** Certificate Course of Harmonium and Diploma in Indian Classical Dance (Kathak) under SFS were discontinued due to Lack of students.
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	-	01
Associate Professors	-	03
Assistant Professors	04	-

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Prof. Bharti Sharma	MA, Ph.D.	Professor	Music Instrumental	29	-	
Dr. (Mrs.) Vimal	M.Phil, Ph.D.	Associate Professor	Music Vocal	23	02	
Dr. Ravi Sharma	M.Phil, Ph.D.	Associate Professor	Music Instrumental	22	-	
Dr. Hukam Chand	M.Phil, Ph.D.	Associate Professor	Music Vocal	23	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information**

Nil

**14. Programme-wise Student Teacher Ratio:**

M.A.: 7:1

M. Phil: 6:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	03	02
Administrative staff	02	02

**16. Research thrust areas recognized by funding agencies:**

Nil

- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**
- Nil
- 18. Inter-institutional collaborative projects and grants received**
- a) All India collaboration
- b) International
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:**
- 20. Research facility / centre with /**
- state recognition
  - national recognition
  - international recognition
- 21. Special research laboratories sponsored by / created by industry or corporate bodies**
- 22. Publications: (from 2008-2012)**
- \* **Number of papers published in peer reviewed journals (national / international):** 15
  - \* **Monographs:** Nil
  - \* **Chapters in Books:** Nil
  - \* **Edited Books:** Nil
  - \* **Books with ISBN with details of publishers:** 01 (ISBN No. 978-81-89580-26-1, Publisher: Jyoti Enterprises)
  - \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** Nil
  - \* **Citation Index – range / average:** Nil
  - \* **SNIP:** Nil
  - \* **SJR:** Nil
  - \* **Impact Factor – range / average :** Nil

\* **h-index:** Nil

**23. Details of patents and income generated:** Nil

**24. Areas of consultancy and income generated** Nil

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**

- Nil



**26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**

Name of the Faculty	Serving as outside expert	Name of the University
Prof. Bharti Sharma	As outside expert PG Board	<ul style="list-style-type: none"> <li>• Punjabi University, Patiala</li> <li>• GND University, Amritsar</li> <li>• Jiwaji University, Gwalior</li> <li>• Delhi University Delhi</li> </ul>
Dr. Ravi Sharma	As outside expert PG Board	<ul style="list-style-type: none"> <li>• Dept. of Music, Punjabi University, Patiala</li> <li>• Jiwaji University, Gwalior</li> <li>• Maharaj Sayaji Gaikward University, Baroda</li> </ul>
Dr. Hukam Chand	As outside expert PG Board	<ul style="list-style-type: none"> <li>• Dept. of Music, Punjabi University, Patiala</li> <li>• H.P. University, Shimla</li> </ul>

**27. Faculty recharging strategies**

- The Music is a practical subject and teachers of our Department Frequently visit to various Music concerts, workshop at different platforms and concert auditorium to recharge ourselves and learn during attending the same. Apart from attending concert all the faculty members intend to participate in national and international seminars in also strategies mentioned above. In this process our Department also invitee various faculty members from other Universities for their lecture demonstrations.

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects**  
 N.A.
- **percentage of students doing projects in collaboration with other universities / industry / institute**  
 N.A.

**29. Awards / recognitions received at the national and international level by:**

- Faculty: 01
- Doctoral / Post-doctoral fellows: Nil
- Students: Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

The Extension Lectures organized by the department out of Departmental Fund are as follows

- Prof. Yeshpal Sharma of Department of Music from Patiala was invited to deliver an extension lecture on ‘Sarangke Prakar’.
- Prof. Ajit Singh Paintal from Music Department, Delhi University was invited for his lecture on technique of practice vocal music.
- A lecture was organized on the Research Methodology for the Ph.D. scholars with special reference to inserting footnote, bibliography and appendix. It was delivered by Dr. Bhupinder Yadav, Reader, Department of History, Rohtak
- A Lecture was delivered by Dr. Madhur Bhatnagar from Delhi University on the topic:-“Importance of Bandish in Music Vocal”.
- Lecture-cum-demonstration presented by Dr. R.S. Shandil from HP University, Shimla on the topic “Importance and method of Voice culture”.

The Workshops Organized by the department out of Departmental Fund are as follows:

- Workshop was organized with the collaboration of DSW to know about these instruments for the benefit of students. Name of the instruments are given below:
  - RUDRA VEENA
  - VICHITRA VEENA
- On this occasion living legends of these instruments were invited for their presentation. Ustad Asad Ali Khan and Ustad Ahmad Raza the only exponent of these instruments had an interaction with students and raised point on the cause of obsolete these musical instruments.
- Workshop was being organized on the obsolete Musical forms: Thumari, Dadra, Kajari, Hori. The well-known singer Mr. Parul Benerji was being invited for the presentation.

**31. Code of ethics for research followed by the departments**

- The Department does not have adequate research facilities for the research scholars i.e. there is no research room.
- No Departmental Library is available
- Technical equipments i.e. computer, overhead projector internet in not available for the Researchers



**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)		Applications received	Selected Male Female		Pass percentage Male Female	
M.A.	2008-09	24	08	05	100%	100%
	2009-10	28	05	15	100%	100%
	2010-11	26	06	12	100%	100%
	2011-12	30	03	15	100%	100%
M.Phil.	2008-09	27	01	14	100%	100%
	2009-10	24	06	09	100%	100%
	2010-11	29	08	07	100%	100%
	2011-12	31	08	10	100%	100%

**33. Diversity of students:**

Name of the Course(refer to question no. 4)		% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	2008-09	98%	02%	--	--
	2009-10	99%	01%	--	--
	2010-11	100%	--	--	--
	2011-12	100%	--	--	--
M.Phil.	2008-09	100%	--	--	--
	2009-10	100%	--	--	--
	2010-11	100%	--	--	--
	2011-12	100%	--	--	--

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- UGC-NET: 12

**35. Student progression**

<b>Student Progression</b>	<b>Percentage%</b>
UG to PG*	75%
PG to M.Phil.*	90%
PG to Ph.D.	27.77%
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	Nil 80%
Entrepreneurs	Nil

**36. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same university	50%
from other universities within the State	Nil
from universities from other States	50%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**38. Present details of infrastructural facilities with regard to**

- |   |                  |
|---|------------------|
| a) <b>Library</b>                                     | Central library. |
| b) <b>Internet facilities for staff and students:</b> | Nil              |
| c) <b>Total number of class rooms :</b>               | 02               |
| d) <b>Class rooms with ICT facility:</b>              | Nil              |
| e) <b>Students' laboratories:</b>                     | Nil              |
| f) <b>Research laboratories:</b>                      | Nil              |

**39. List of doctoral, post-doctoral students and Research Associates**

a) **from the host university:** 20 (Doctoral)

- ✚ Deepa Bhargava, Mahan Lal, Parul Dhigra, Sageeta, Saurabh, Verma, Arun Sehgal, Suman, Swati, Madhu Bala, Satpal, Sarika Jain, Sarbjeet Kaur, Shabnam Ara, Parmod, Vinay Kumar, Sangeeta, Vibhas, Sanjay, Sita Ram, Dipti

**b) from other universities:** Nil

**40. Number of post graduate students getting financial assistance from the university.**

- 48 (2008-12)

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- N.A.

**42. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

The Department is incorporating many changes according to the feedback receiving from students.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

While teaching, the teachers also get the information and feedback from the students about the curriculum and its relevant in the present context.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Nil

**43. List the distinguished alumni of the department (maximum 10):**

- Hansraj, Vibha, Deepika Trikha, Vishnu Bhatnagar, Mukesh Verma, Meeta Pandit, Seema Bakshi, Richa Bhatnagar, Vevek Ranga

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Same as Point 30

**45. List the teaching methods adopted by the faculty for different programmes.**

- Music is practical subject and we follow face to face mode to teach the students in the class through taking classes in Vocal and Instrumental Music
- We are also taking our students in a listening session at different Music concerts
- The Department is also providing the latest technology through electronic gadgets i.e. electronic Tanpura and Tabla for their practice purpose.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The Teachers always make sure that the students attend their classes regularly to update their learning assignments
- The Department also make sure that they participate in all the activities organized by the Department
- The Department encourage to participate in the seminar according to the syllabus
- We always encourage our students their experience from the syllabus they learnt during their learning process and get feedback if they want any change in the syllabus
- The Teachers put their extra efforts to teach the week students so that they could also get benefit and enhance their level up to the mark of best students of our Department. This exercise provides them equivalence amongst all the students.

**47. Highlight the participation of students and faculty in extension activities.**

Participation of students in extension activity

- Every year students from Music Department participate in Youth Festival from Zonal level up to Intervarsity
- They also participate in the State level youth festivals
- The Department encourages them to participate in the Departmental seminar to present their presentation related to syllabus
- Apart from above mentioned activity our research scholars present their research papers in the seminars organized by the different universities.

Participation of faculty in extension activities

- The Faculty Members of Music Department organize and participate in a workshop organized by in our Department
- Every year the Department organizes series of Extension lecture by the eminent artists and Professors from the different Universities
- All the Faculty Members present their research papers in seminars organized by the different Universities

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- The Department of Music organizes outdoor lashing concerts at deferent festival, attending seminars at different places for the benefit of the students.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- N.A.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Organizing workshop
- Extension Lecture by eminent Professor
- Organizing musical concerts
- Participation in seminars
- Participation in Youth festival.

**51. Future plans of the department.**

- By giving performance in the college to spread more music for encouraging opening of music subject.
- To established instrument making laboratory.
- Teaching of intangible instruments.
- To establish Departmental Library
- Imparting other popular musical instruments

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) Enhancement of Cultural Heritage
- b) Knowledge of tradition to students
- c) National Integration through Music
- d) Moral values through music
- e) International brotherhood

**B) Weakness:**

- a) Lack of space for conducting classes as well as staff rooms
- b) Lack of research room
- c) Lack of teaching staff
- d) Lack of impact of Media
- e) Lack of converge of classical Music.

**C) Opportunities:**

- a) Teaching Job opportunities
- b) Performing Artists
- c) Musical Band
- d) Music composer
- e) Play back singer

**D) Challenges:**







- a) To Popularize the Indian classical Music rural area
- b) Popularization of folk Music
- c) Increase of students in Music
- d) Threat of Globalization to Indian Classical Music.

## Evaluative Report Department of Visual Arts

1. **Name of the Department :** Visual Arts
2. **Year of establishment:** 1991
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.V.A (6 year integrated course) M.A., Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	Nil	Nil
Associate Professors	03	03
Assistant Professors	03	03

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Shushma Singh	M.F.A. & M.A.	Head & Associate Professor	Sculpture, Drawing & Painting	21	-	
Dr. Meenakshi Hooda	M.A.	Associate Professor	Drawing & Painting	21	6	
Dr. Bhoop Singh Gulia	Five Year Diploma	Associate Professor	Painting	21	-	
Anjali Duhan	M.A.	Assistant Professor	History of Art	4	-	
Mr. Sanjay Kumar	M.F.A.	Assistant Professor	Painting	1.5	-	
Mr. Rajesh Kumar	M.A.	Assistant Professor	Drawing & Painting	1.5	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information**

Nil

**14. Programme-wise Student Teacher Ratio:**



16:1



**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	-	-
Administrative staff	02	02

- 16. Research thrust areas recognized by funding agencies:** Nil
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**
- Nil
- 18. Inter-institutional collaborative projects and grants received** Nil
- a) All India collaboration
- b) International
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:** Nil
- 20. Research facility / centre with /** Nil
- state recognition
  - national recognition
  - international recognition
- 21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil
- 22. Publications: (from 2008-2012)**
- \* **Number of papers published in peer reviewed journals (national / international):** 08
  - \* **Monographs:** Nil
  - \* **Chapters in Books:** Nil
  - \* **Edited Books:** Nil
  - \* **Books with ISBN with details of publishers: 01**
    - ✚ Traditions of Northern India, {A Study of Art, Architecture and Craft in Haryana} in 2008, ISBN: 81-8290-119-7, published by Subhi Publications

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** Nil
- \* **Citation Index – range / average:** Nil
- \* **SNIP:** Nil
- \* **SJR:** Nil
- \* **Impact Factor – range / average :** Nil
- \* **h-index:** Nil
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Dr. B. S. Gulia (National) ii) Sh. Sanjay Kumar (International Editorial Board)
- 27. Faculty recharging strategies**
- U.G.C. orientation course, refresher course, National and international art exhibition, workshop and seminars.
- 28. Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**  
 100 %
  - **percentage of students doing projects in collaboration with other universities / industry / institute**  
 N.A.
- 29. Awards / recognitions received at the national and international level by:**
- **Faculty:** 01
  - **Doctoral / Post-doctoral fellows:** Nil
  - **Students:** Nil
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**
- Seminar:
- National Seminar on Folk Art of India, Department of Drawing and Painting,

University of Rajasthan, Jaipur, (3-5 March, 2010); Haryana Ke Lok Kala Mein Pratikatmek Chitran.

- International Seminar on Gurukul Kangri University, Haridwar, 9-11 Feb., 2007.

#### Conferences:

- Depicting Society of Haryana through Brush Stokes: A Visual analysis of the 19th Century Society; National Seminar on Haryana: Society, Polity and Economy, Department, Department of Economics, Maharshi Dayanand University, 24-25 March, 2011.
- Shaheed Bahgatsingh, Shivram Rajguru, Sukhdev Thapar: A Visual Tribute; Symposium on Freedom Movement in India with special reference to Haryana, Organised by Chaudhary Ranbir Singh Chair, 23rd March, 2011.
- Challenges before art in Haryana', National Seminar on Challenges of Social Development in Northwest India, Department of Sociology, Maharshi Dayanand University, Rohtak-3rd-4th March, 2011.
- 'Nath Sadhus in Indian Paintings', International Conference on Science Spirituality and Humanity-Transcending Discipline Barriers, Delhi University-17-19 February, 2011.
- Searching an Alternative for 'Master Artist' - National Seminar on Eliminating Daughters: Paradox of Development in India, Women's Studies Centre, Maharshi Dayanand University, Rohtak - 26<sup>th</sup> -27<sup>th</sup> November 2010.
- Clay modeling and Mural workshop in Madhuban, Karnal, 2008.

#### Workshop:-

- National Workshop in Fine Arts, June 25 to 27, 2010 sponsored by University Grants Commission, New Delhi, Govt. College for Women
- National Workshop Tikkar Tal Morni Hills Panchkula (Haryana) organized by Kriti Kala Kendra 24th, 25th, 2007.
- Indo-Canadian Art Exhibition also organized by the Department

### 31. Code of ethics for research followed by the departments

- Nil

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A	21	-	15	-	100%
M.V.A.	28	10	3	100%	100%

**33. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A	100%	--	--	--
M.V.A.	From Boards	--	--	--

**34.** How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- UGC-NET: 03

**35. Student progression**

Student Progression	Percentage%
UG to PG*	45
PG to M.Phil.*	N.A.
PG to Ph.D.	01
Ph.D. to Post-Doctoral	N.A.
Employed	
• Campus selection	01
• Other than campus recruitment	09
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	16.66%
from other universities within the State	16.66%
from universities from other States	66.66%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

- 38. Present details of infrastructural facilities with regard to**
- |   |                       |
|---|-----------------------|
| <b>a) Library</b>                                     | Departmental library. |
| <b>b) Internet facilities for staff and students:</b> | N.A.                  |
| <b>c) Total number of class rooms :</b>               | 02                    |
| <b>d) Class rooms with ICT facility:</b>              | Nil                   |
| <b>e) Students' laboratories:</b>                     | Nil                   |
| <b>f) Research laboratories:</b>                      | Nil                   |
- 39. List of doctoral, post-doctoral students and Research Associates**
- |                                     |     |
|-------------------------------------|-----|
| <b>a) from the host university:</b> | Nil |
| <b>b) from other universities:</b>  | Nil |
- 40. Number of post graduate students getting financial assistance from the university.**
- Nil
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
- Yes, through the regular meeting of the faculty members.
- 42. Does the department obtain feedback from**
- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes
- Evaluation of teachers by the students has been introduced in the department. The feedback thus obtained is expected to be analyzed by the Departmental Committee and the corrective measures are recommended accordingly.
- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** Yes
- While teaching, the teachers also get the information and feedback from the students about the curriculum and its relevant in the present context.
- c) alumni and employers on the programmes offered and how does the department utilize the feedback?**
- Alumni come in the workshops and they help in different styles.

**43. List the distinguished alumni of the department (maximum 10):**

Ms. Usha Sharma, Ms. Manju, Ms. Pragya Sangwan, Ms. Anita Sangwan, Ms. Renu, Ms. Renuka Gulia, Mr. Amit Rohilla, Ms. Usha, Ms. Meenakshi, Ms. Jyoti Rani, Ms. Manju.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

4 Extension Lectures, International Art Exhibition, 4 workshops.

**45. List the teaching methods adopted by the faculty for different programmes.**

- Use of Multi-Media Tools OHP & LCD projector for interaction
- Interactive teaching through class discussion
- Interactive teaching and discussion on educational tour (Art galleries & Museums)
- Special Training Programme at P.G.I., Anatomy Department, Rohtak

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Through the feedback of the students and parents with staff and H.O.D.

**47. Highlight the participation of students and faculty in extension activities.**

- Student participate in National and state level Art Exhibitions, workshops, seminars and national and international youth festival.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Celebrated the birthday of Sir Chhotu Ram at the Department
- Celebrated the birthday of Bhagat Singh create the posters and illustrations on national integration
- Celebrate the Road Safety Week with collaboration with Haryana Traffic Police.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- N.A.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Our Department is actively involved in teaching and research activities related on art and culture. The Department, staff and students always participated in different art activities around the world.

**51. Future plans of the department.**

- Enhancing the Department in different streams of Visual Arts.
- To develop the high quality teaching and demonstration methodology to collaborate national institute related to Fine Art.
- To develop the infrastructure for the faculty as well as for the students also.
- To create the Art Laboratories and Computer Laboratories and Photographic Lab for the students and researchers also.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Highly dedicated, punctual and enthusiastic faculty involved in teaching and research as well as participated in the art events.
- b) The Department teaching and research nourished by the experienced external experts of different field of art.
- c) The Department has great positive reputation in the community
- d) The Department has friendly and safe environment

**B) Weakness:**

Nil

**C) Opportunities:**

- a) Located in NCR region.

**D) Challenges:**

- a) The Department shifts every sixth month
- b) The Department has no infrastructure for the development of the Research Scholar and students.

## Evaluative Report Department of Pharmaceutical Sciences







- |   |   |
|---|---|
| <b>1. Name of the Department :</b>  | Pharmaceutical Sciences   |
| <b>2. Year of establishment:</b>  | 1995  |
| <b>3. Is the Department part of a School/Faculty of the university?</b>   | Yes   |
| <b>4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):</b> | <ul style="list-style-type: none"> <li>• Bachelor of Pharmacy</li> <li>• Master of Pharmacy – Industrial Pharmacy</li> <li>• Master of Pharmacy – Pharmaceutics (Drug Regulatory Affairs)</li> <li>• Master of Pharmacy – Pharmaceutical Chemistry</li> <li>• Master of Pharmacy – Pharmacognosy</li> <li>• Master of Pharmacy – Pharmacology</li> <li>• Pre-Ph.D. course in Pharmaceutical Sciences</li> <li>• Ph.D. in Pharmaceutical Sciences</li> </ul> |
| <b>5. Interdisciplinary courses and departments involved:</b>   | None  |
| <b>6. Courses in collaboration with other universities, industries, foreign institutions, etc. :</b>                  | Nil   |
| <b>7. Details of programmes / courses discontinued, if any, with reasons:</b>   | Nil   |
| <b>8. Annual/ Semester/Choice Based Credit System:</b>  | Semester System   |
| <b>9. Participation of the department in the courses offered by other departments:</b>                                | Dr. B. Narasimhan and<br>Mr. Govind Singh   |









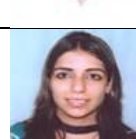




**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	02	01
Associate Professors	05	05
Asst. Professors	13	11

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Prof. Arun Nanda	M. Pharm., Ph.D., LL.B.	Head & Dean of Faculty	Pharmaceutics	22	02	
Dr. B. Narasimhan	M. Pharm., Ph.D.	Associate Professor	Pharmaceutical Chemistry	11	-	
Dr. Munish Garg	M. Pharm., Ph.D.	Associate Professor	Pharmacognosy	14	-	
Dr. (Mrs.) Sanju Nanda	M. Pharm., Ph.D.	Associate Professor	Pharmaceutics	18	01	
Dr. Harish Dureja	M. Pharm., Ph.D.	Associate Professor	Pharmaceutics	12	-	
Mr. Neeraj Gilhotra	M. Pharm.	Associate Professor	Pharmacology	11	-	

Mr. Deepak Kaushik	M. Pharm.	Assistant Professor	Pharmaceutics	10	-	
Mr. Vikaas Budhwaar	M. Pharm.	Assistant Professor	Pharmaceutics	8	-	
Mr. Govind Singh	M.Sc., Ph.D.	Assistant Professor	Pharmacology	7	-	
Mrs. Anju Dhiman	M. Pharm.	Assistant Professor	Pharmacognosy	7	-	
Mr. Rakesh Kumar Marwaha	M. Pharm.	Assistant Professor	Pharmaceutical Chemistry	14	-	
Dr. Prabhakar Kr. Verma	M. Pharm., Ph.D.	Assistant Professor	Pharmaceutical Chemistry	12	-	
Mr. Mahesh Kumar	M. Pharm.	Assistant Professor	Pharmaceutical Chemistry	6	-	
Mr. Anurag Khatkar	M. Pharm.	Assistant Professor	Pharmaceutical Chemistry	5	-	
Ms. Saloni Kakkar	M. Pharm.	Assistant Professor	Pharmaceutical Chemistry	3	-	
Dr. Mrs. Vandana Garg	M. Pharm., Ph.D.	Assistant Professor	Pharmacognosy	8	-	
Mr. Vineet Mittal	M. Pharm.	Assistant Professor	Pharmacognosy	6	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- Dr. Mrs. Babita Khosla, Department of Environmental Sciences
- Mr. Jagbir, Pharm. Mathematics

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil**14. Programme-wise Student Teacher Ratio:** 17:1 (B. Pharmacy & M. Pharmacy)**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	09	11
Administrative staff	03	04

**16. Research thrust areas recognized by funding agencies:**

- Controlled drug delivery systems and development of Pharmaceutical Processes
- Synthesis, antimicrobial, anticancer and ant tubercular evaluation of medicinal compounds and QSAR studies.
- Safety, efficacy and quality control studies of medicinal plants, their bioactive molecules and herbal formulations.
- Neuropsychopharmacology and endocrine pharmacology

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S. No.	Name of Faculty	Title of the Project	Funding agency	Grant Sanctioned(Rs) Lakhs
(i)	Dr. Munish Garg & Prof. J. P. Yadav (Dept of Genetics)	Studying the Impact of Climate Change on Quality and Quantity of Secondary Metabolites in Some Commercial Medicinal Plants	National Medicinal Plants Board, Department of AYUSH, New Delhi.	~20

(ii)	Dr. Vandana Garg	Standardization and neuropharmacological studies of Aconitum napellus.	AICTE, New Delhi	19
------	------------------	--	------------------	----

**18. Inter-institutional collaborative projects and grants received**a) **All India collaboration** Nilb) **International** Nil

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

S. No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	UGC-SAP (DRS-I)	50 lakhs

**20. Research facility / centre with /** Nil

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

- Nil

**22. Publications: (from 2008-2012)**

- \* **Number of papers published in peer reviewed journals (national / international):** 97/147
- \* **Monographs:** 03
- \* **Chapters in Books:** 06
- \* **Edited Books:** Nil
- \* **Books with ISBN with details of publishers: 01**  
(i) ISBN: 978-3-659-17270-0, LAMBERT Academic Publishing, Germany.
- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** 201
- \* **Citation Index – range / average:** Range: 0-452, Average: 52.2
- \* **SNIP:** Annexure – III
- \* **SJR:** Annexure – III
- \* **Impact Factor – range / average :** 0.04-7.9; Average: 0.294
- \* **h-index:** 2.647

**23. Details of patents and income generated:** Nil

**24. Areas of consultancy and income generated** Nil

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**

- Nil



**26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**

- National committees: Prof. Arun Nanda, Dr. (Mrs.) Sanju Nanda, Dr. Munish Garg
- Editorial boards: Prof. Arun Nanda, Dr. (Mrs.) Sanju Nanda, Dr. Munish Garg, Dr. Harish Dureja, Mr. Neeraj Gilhotra, Dr. Prabhakar Kr. Verma

**27. Faculty recharging strategies**

- Faculty members are encourage to participate in Refresher Course, Orientation Course, Seminars, Workshops etc.

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects**  
 ~90 %
- **percentage of students doing projects in collaboration with other universities / industry / institute**  
 ~11%.

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** 01
- **Doctoral / Post-doctoral fellows:** 03
- **Students:** 02

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Nil

**31. Code of ethics for research followed by the departments:**

- To know and practice the professional ethical codes in pharmacy
- Be able to apply methods of scientific research ethically in pharmacy
- To adhere to general code of ethics in publications, intellectual properties etc

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Bachelor of Pharmacy	Admissions are made by Haryana Counseling Society	51	08	95%	95%
Master of Pharmacy	579	24	28	100%	100%

Pre-Ph.D.	76	03	06	100%	100%
Ph.D. in Pharmaceutical Sciences	08	05	03	---	

**33. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Bachelor of Pharmacy	--	--	--	--
Master of Pharmacy	23.07	71.15	5.76	--
Pre-Ph.D	Nil	55.55	44.44	--
Ph.D. in Pharmaceutical Sciences	25	37.5	37.5	--

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Examination	Qualified
GPAT	95
GATE	35

**35. Student progression**

Student Progression	Percentage%
UG to PG*	65
PG to M.Phil.*	NA
PG to Ph.D.	08
Ph.D. to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	Nil 100
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	35.2%
from other universities within the State	11.76%
from universities from other States	52.94%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** 05

**38. Present details of infrastructural facilities with regard to**

- |  |                 |
|--|-----------------|
| a) Library                                     | Central library |
| b) Internet facilities for staff and students: | 100%            |
| c) Total number of class rooms :               | 08              |
| d) Class rooms with ICT facility:              | 02              |
| e) Students' laboratories:                     | 19              |
| f) Research laboratories:                      | 09              |

**39. List of doctoral, post-doctoral students and Research Associates**

- a) from the host university: 15 (Doctoral)
- ✚ Vinay Lather, Monika Singh, Monika Gupta, Naveen Khatri, Anju Dhiman, Anurag Khatkar, Vikaas Budhwaar, Rekha, Sucheta, Nandkishore Yadav, Sneh Lata, Deepak Kaushik, Dharmender Rathee, Sunil Khatak
- b) from other universities: 19 (Doctoral)
- ✚ Meenakshi Gupta, Satish Sardana, Harish Dureja, Seema Thakral, Vipin Kumar, Rohit Datt, Rakesh Kumar Marwaha, Girdhari Lal Singhal, Manish Devgan, Aashima Hooda, Priyanka Singh, Deepika, Pooja Arora, Saurabh Sharma, Lalit Singh, Mahesh Kumar, Pradeep Kumar, Aakash Deep, Vishwanath Agrahari, Ruchita

**40. Number of post graduate students getting financial assistance from the university.**

- Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

The following stepwise exercise has been made before introduction of new course.

- The need of starting the programme in the state of Haryana, the facilities and faculty available for the proposed programmed as per Regulatory agencies (AICTE, PCI) is analyzed by Departmental Committee/Board of Study and Faculty.

**42. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

The faculty members give their feedback in the Departmental Committee meetings held frequently, and also as members of various academic bodies, such as Board of Studies / Faculty of Pharm. Sciences / Academic Council, etc. Based on the feedback from the faculty, the curriculum is updated / revised, and steps taken for inculcating a conducive teaching – learning environment. The teachers also give their feedback on evaluation methodology of students in such meetings.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Student feedback forms are obtained from the students, wherein students freely express their evaluation of teaching – learning process. The student feedback forms are discussed in the meetings of the Departmental Committee, which suggests / initiates / monitors the remedial actions required.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

Alumni are invited in the “Alumni Meet” and also in the “Guest Lectures” held by the Alumni, in the department. In addition, the Alumni also frequently meet the teachers in the department, and give their feedback. The feedback is appropriately discussed in the various academic bodies, and requisite actions are initiated.

Representatives from prospective employers are members of the academic bodies, such as Board of Studies, Research Degree Committee, Faculty / Academic



Council, and are also on the Panel of Examiners, for UG & PG students.

**43. List the distinguished alumni of the department (maximum 10):**

- Dr. G.L. Singal, Dr. Rakesh Kr. Vats, Dr. Viney Lather, Mr. Anoop Singh, Dr. Vipin Kr. Bhardwaj, Mr. Deepak Vaid, Dr. Satish Sardana, Dr. Mrs. Seema Mehndiratta, Mr. Vipul Gupta, Mr. Ashish Arora, Mrs. Rachna.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Name of speaker	Topic	Date
Dr. R.A. Singal, Director, Arbro Labs., Delhi	Analysis of drugs in multicomponent drug formulation	22-11-2008
Sh. P.K. Gupta, Director, Belco Pharmaceuticals, Bahadurgarh	Tablet Production	22-11-2008.
Dr. Javed Ali, Jamia Hamdard, New Delhi	Intra-nasal Drug Delivery Systems	22-11-2009
Dr. Surender Sharma, President, Haryana State Pharmacy Council	Registration of Pharmacists	22-11-2009
Dr. G.L. Singal, Deputy State Drugs Controller, Govt. of Haryana	Career Prospects for Pharmacist	23-11-2011
Sh. Rajesh Aggarwal, Deputy General Manager – R & D, Modi Mundi Pharma, Modipuram, Meerut.	Need of current pharmaceutical industry	23-11-2011
Mr. Anoop Singh, Sr. Manager GRO, OSM	Careers in clinical pharmacy	04-02-12
Mr. Rakesh Kumar Vats	Career prospects in Pharma Industry	11-02-12
Mr. Rahul Garg	Changing face of pharmaceutical industry in the post patents era	11-02-12

**45. List the teaching methods adopted by the faculty for different programmes.**

- Conventional class room teaching.
- Practical demonstration based teaching.
- Interactive seminar / discussion based teaching, involving use of LCD / OHP.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Student feedback forms are obtained and analyzed.
- Parent's feedback is obtained.

- Data is submitted regularly to statutory bodies, such as AICTE, New Delhi, and PCI, New Delhi.
- Feedback from faculty members, employers, outside experts, etc. is obtained, during meetings of various academic bodies.

**47. Highlight the participation of students and faculty in extension activities.**

- Faculty actively involved as “resource persons” in Faculty Development Programmes / Staff Development Programmes / Refresher & Orientation Courses, in various Universities / institutions.
- Faculty actively involved in “Continuing Education Programmes” for Pharmacists, organized by “Haryana State Pharmacy Council”, a statutory body.
- Junior faculty members actively participate in Faculty Development Programmes / Staff Development Programmes / Refresher & Orientation Courses, in various Universities / institutions.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- The students and faculty members actively participate in seminars and conferences at national and international level.
- The faculty members and research scholars are actively involved in publication of research/review papers in national/international journals of repute.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- No

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The research publications from the department enlighten the new knowledge in the relevant area of pharmaceutical research.
- Faculty members act as resource persons in national/international conferences, FDP, QIP, refresher course and orientation courses.

**51. Future plans of the department.**

- To act as the nodal Centre for Pharmaceutical Industry in the region for
  - ✚ Development and evaluation of novel drug delivery systems
  - ✚ Design and synthesis of novel medicinal agents and their QSAR studies

- ✚ Design, development, and evaluation of new phytochemical agents
- ✚ Screening of novel medicinal agents for their pharmacology.
- To support the Pharmaceutical Industry in the region in research in Pharmaceuticals
- To project and upgrade the professional status of Pharmacists in collaboration with other professional bodies.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Highly qualified and motivated faculty
- b) Good number of publications & presentations
- c) Wide variety of specializations in the subject
- d) High number of GATE / GPAT qualified research scholars
- e) Very good physical infrastructure.

**B) Weakness:**

- a) Student tours / visits/ placements/ Alumni activities – Partial fulfilled

**C) Opportunities:**

- a) Sponsored research projects from funding agencies
- b) Sponsored research projects from industry
- c) Liaison with research organizations / other departments outside the University
- d) Interdisciplinary research.

**D) Challenges:**

- a) To cope up with the ever increasing knowledge/technology in the pharmaceutical field
- b) To maintain balance between the aspirations of the regulatory agencies and the ground realities.
- c) To strike a balance between the increasing costs and societal needs.

## Evaluative Report Department of Chemistry

1. **Name of the Department :** Chemistry
2. **Year of establishment:** 1976
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc., Ph.D.
5. **Interdisciplinary courses and departments involved:** N.A.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** N.A.
7. **Details of programmes / courses discontinued, if any, with reasons:** N.A.
8. **Annual/ Semester/Choice Based Credit System:** Semester
9. **Participation of the department in the courses offered by other departments:** N.A.
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	01	06 (including CAS)
<b>Associate Professors</b>	03	07 (including CAS)
<b>Assistant Professors</b>	19	06

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Ishwar Singh Retired on 30.6.12	M.Sc., PhD	Professor	Inorganic, materials synthesis, OLED, Analytical Chemistry, Sensors	36	04	
Dr. J. K. Makrandi	M.Sc., PhD	Professor	Organic synthesis, Phase transfer reaction, Green chemistry	33	04	
Dr. K.C. Singh Retired on 31.8.2011	M.Sc., PhD	Research Professor	Anodic oxide films on metal solutions, Thermodynamics, Phosphors, Chemical sensors	32	03	
Dr. K.K. Verma	M.Sc., PhD	Professor	Organotellurium compounds, coordination compounds	32	03	
Dr. V.K. Sharma	M.Sc., PhD	Professor	Thermodynamics of solutions, Surfactants	29	05	
Dr. S.P. Khatkar	M.Sc., PhD	Professor	Amperometry, OLEDs, Phosphors chemical sensors	27	05	
Dr. S.K. Dewan	M.Sc., PhD	Professor	Synthetic organic chemistry	30	02	
Dr. Sharda	M.Sc., PhD	Professor	Synthesis of heterocyclic compounds	28	-	
Dr. Archana Garg	M.Sc., PhD	Associate Professor	Kinetic study of the reaction	30	-	

Dr. Mohan Singh	M.Sc., PhD	-do-	Solution Thermodynamics	28	-	
Dr. Rajni Arora	M.Sc., PhD	-do-	Amperometric determinations	31	-	
Dr. P.S. Kadian	M.Sc., PhD	-do-	OLED, Analytical chemistry	25	-	
Dr. Vijender K. Goel	M.Sc., PhD	-do-	Organic Synthesis	27	-	
Dr. (Mrs.) Vinod Bala	M.Sc., PhD	-do-	Phosphors materials	23	-	
Dr. Sapna Garg	M.Sc., PhD	-do-	Organometallics	17	-	
Dr. Devender Singh	M.Sc., PhD	Assistant Professor	Inorganic, materials synthesis, OLED, Analytical chemistry	06	-	
Dr. Rajesh Malik	M.Sc., PhD	-do-	Amperometry	02	-	
Dr. Priti Boora	M.Sc., PhD	-do-	Amperometry	02	-	
Dr. Naveen	M.Sc., PhD	-do-	Anodic oxide films on metal, Solutions Thermodynamics	02	-	
Dr. Hariom	M.Sc., PhD	-do-	Anodic oxide films on metal	3.6	-	
Dr. Komal Jakhar	M.Sc., PhD	-do-	Organic synthesis, Green chemistry	2.0	-	

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: Nil
13. Percentage of classes taken by temporary faculty-programme-wise information Nil
14. Programme-wise Student Teacher Ratio: 9:1
15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Technical staff	21	10
Administrative staff	05	04

16. Research thrust areas recognized by funding agencies: Thermodynamics, Electrochemistry  
Inorganic Materials &  
Organo-metallic Compounds
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

S. No.	Name of Faculty	Project	Funding agency	Amount (Rs) Lakhs
(i)	Prof. V. K. Sharma	Topological and thermodynamic studies of liquid mixture containing ionic liquids, 2010	UGC	~9.6
(ii)	Dr. K. C. Singh	Nano CIGS based solar Cells	European Union, Spain	287
(iii)	Dr. P. S. Kadyan	Newer Metal Complexes for Organic Light Emitting Devices	UGC	8.48
(iv)	Dr. Devender Singh	Growth and optoelectronic characterization of phosphor materials, 2011	UGC	8.27
(v)	Dr. Naveen, Dr. K. C. Singh and Dr. Hariom	Anodic oxide films on metals and alloys, 2011	UGC	8.97
(vi)	Dr. Vinod Balla	Metal Complexes for Organic Light Emitting Devices, 2012	UGC	12.0

**18. Inter-institutional collaborative projects and grants received****a) All India collaboration**

The department has made collaborations with various originations

- (i) Pt. BDS Health University, Rohtak
- (ii) HAU (Hisar)
- (iii) CEERI (Pilani)
- (iv) NPL (New Delhi)

**b) International**

Three Ph.D. students visited KIER in connection with their Ph. D research and one student went to South Africa as Post-Doctoral Fellow.

- (i) Korea Institute of Energy Research, collaborative Research work with registration of Ph.D. students.

This year an International Project by European Union under the Marie Curie Action Plans has been jointly sanctioned to:

- (i) M. D. University, Rohtak
- (ii) Polytechnica University of Valencia, Spain as Chief Co-ordinating University
- (iii) University of Minho, Portugal
- (iv) University of Politecnica Madrid, Spain
- (v) University of Warsaw, Poland
- (vi) University of Catholica, Valparaiso, Chile
- (vii) University of Auburnoma, Puebla, Mexico

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	DST-FIST (Level – I)	109 lakhs

**20. Research facility / centre with /**

Nil

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications: (from 2008-2012)**

- \* Number of papers published in peer reviewed journals (national / international):

45/98



* <b>Monographs:</b>	Nil
* <b>Chapters in Books:</b>	Nil
* <b>Edited Books:</b>	Nil
* <b>Books with ISBN with details of publishers:</b>	01 (ISBN-10-8123919069, CBS Publisher and distributors)
* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>	120
* <b>Citation Index – range / average:</b>	Range: 0-69, Average: 4.0
* <b>SNIP:</b>	-
* <b>SJR:</b>	-
* <b>Impact Factor – range / average :</b>	0-4; Average: 1.2
* <b>h-index:</b>	11
<b>23. Details of patents and income generated:</b>	Nil
<b>24. Areas of consultancy and income generated</b>	Nil
<b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>	
<ul style="list-style-type: none"> <li>• An average of three teachers attended the Conference each year during the last five years. The department has collaboration with the University of Politecnica Valencia, Spain. Prof. K.C. Singh [2009 &amp; 2010 (May – July)], 2011-12 (July to May) and Dr. Hariom (Jun-Aug 2012) visited this university. Prof. V.K. Sharma visited Oslo University Oslo, (2009) and University of Wales, U.K. (2012) to present his research work.</li> </ul>	
<b>26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):</b>	
<ul style="list-style-type: none"> <li>• Prof. K.K. Verma, Member Editorial Board Insta SCI Journal of Chemistry.</li> </ul>	

**27. Faculty recharging strategies**

- Teachers attend the refresher course, Orientation course, symposia, workshops and Conferences regularly.

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects**



Nil

- **percentage of students doing projects in collaboration with other universities / industry / institute**



Nil

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** Nil
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Three days National Conference on Thermodynamics, of chemical and biological systems (NCTCBS-2011) funded by DST, CSIR, DRDO and Thermodynamic Society of India was organized under the auspices of Indian Thermodynamic Society w.e.f. 2-4 November, 2011. Prof. K.K. Verma and Prof. V.K. Sharma were Convener and Organizing Secretary of the Conference.

**31. Code of ethics for research followed by the departments:**

Teachers and students of the department maintain the standard of research.

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (Chemistry) 2008-09	583	14	40	85	95
2009-10	692	20	70	90	97
2010-11	789	23	69	90	92
2011-12	667	22	68	Result awaited	

## 33. Diversity of students:

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc.(Chemistry) 2008-09	83%	8%	8%	1%
2009-10	82%	18%	-	-
2010-11	82%	18%	-	-
2011-12	82%	15%	3%	-

## 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Examination	Qualified
GATE	50
NET	40
Civil and Defence services	02

## 35. Student progression

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	20 %
Ph.D. to Post-Doctoral	4
Employed	
• Campus selection	Nil
• Other than campus recruitment	40
Entrepreneurs	Nil

## 36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	60%
from other universities within the State	10%
from universities from other States	25%
from universities outside the country	5%

37. **Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Ph.D. - 02
38. Present details of infrastructural facilities with regard to
- |   |   |
|---|---|
| a) <b>Library</b>                                     | The library contains 7881 chemistry books and subscribes to 17 National and 07 International journals |
| b) <b>Internet facilities for staff and students:</b> | 100%  |
| c) <b>Total number of class rooms :</b>               | 06  |
| d) <b>Class rooms with ICT facility:</b>              | 01  |
| e) <b>Students' laboratories:</b>                     | 11  |
| f) <b>Research laboratories:</b>                      | 12  |
39. **List of doctoral, post-doctoral students and Research Associates**
- a) **from the host university: 20 (Doctoral)**
- ✚ Sheetal, Ashish, Rimpi, Minakshi, Priti, Subhash, Dimple, Sonika, Vandna, Vijeta, Mandeep, Anand Kumar, Satish Kumar, Deepak, Sonu, Sumit kumara, Rashmi, Jyoti, Manju, Urmila
- b) **from other universities: 04 (Doctoral)**
- ✚ Soniya, Rajni, Soniya Sangwan, Anju
40. **Number of post graduate students getting financial assistance from the university.** 08 (URS)
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** Nil
42. **Does the department obtain feedback from**
- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes  
Suggestions from faculty members incorporated in the curriculum.
- b) **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** Yes  
Suggestions taken care of.
- c) **alumni and employers on the programmes offered and how does the department utilize the feedback?** Nil

**43. List the distinguished alumni of the department (maximum 10):**

- C.R. Rana, IAS
- Deepak Bangar IRS North Zone, Gurgoan
- Dharmbir Yadav IPS UP Cadre
- Chander Prakash Kaushik, Scientist F, BARC, Mumbai
- S.K. Dhawan, Scientist F, National Physical Laboratory, New Delhi
- Ashok Kumar Sharma Chairmen, Department of Nanotechnology, DCRUST, Murthal
- Ajay Chopra SDM, Haryana Civil Services
- Layak Ram Dabas, DIG, Haryana Forensic Police cell
- Virender Saini DSP, Haryana Police Service
- Sudesh Yadav, Assistant Professor, JNU, New Delhi

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- National Conference NCTCBS-2011 (Nov. 2-4, 2011). Extension lecture by Prof. R.S. Verma of National Risk Management Research Laboratory USA on Green Chemistry on February, 2010.

**45. List the teaching methods adopted by the faculty for different programmes.**

- Black Board/OHP/LCD.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- By holding house test, seminar etc.

**47. Highlight the participation of students and faculty in extension activities.**

- Students and faculty members take active part in such activities.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Educational Trips as well as sports activities (cricket, race, Badminton) held annually.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Yes, NAAC

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- About 80% of faculty members are actively engaged in research, guiding Ph. D students and running projects. New knowledge is generated through research papers etc.

**51. Future plans of the department.**

- Research Plans
- New Optical & Electronic Materials
- Synthesis of organo-metal complexes and fabrication of OLEDs
- Synthesis of Anodic films
- Synthesis of Thermodynamics of Liquid mixtures
- Synthesis of Phosphorescent Compounds

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) well qualified and actively engaged Staff
- b) Fully equipped laboratory with latest equipments
- c) Transparent mode of Entry at every level
- d) Encouragement to the student towards their career.

**B) Weakness:**

- a) Nil

**C) Opportunities:**

- a) The department has started new applied area of research in material science.

**D) Challenges:**

- a) To Start new programmes ( B.Sc. (Hons.), M.Sc. etc)
- b) To procure more research equipments
- c) To encourage the faculty for doing research in areas of current interest.
- d) To get more funds from different funding agencies.









## Evaluative Report

### Department of Computer Science & Applications

1. **Name of the Department :** Computer Science & Applications
2. **Year of establishment:** 1990
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** MCA, M.Tech., Ph.D.
5. **Interdisciplinary courses and departments involved:** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** Nil
8. **Annual/ Semester/Choice Based Credit System:** Semester based credit system
9. **Participation of the department in the courses offered by other departments:**
  - The Department participates in the courses offered with other Departments by introducing papers of Computer Subjects in their curriculum and supporting them in framing syllabus and paper setting.
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	02	02
<b>Associate Professors</b>	-	-
<b>Assistant Professors</b>	08	06

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Nasib Singh Gill	Ph.D. (Computer Science) MBA	Professor	Component based metrics, Software metrics, Aspect-oriented concerns, Data Mining, DWH, NLP, Information Mgmt, IT, and Network Security	23	4	
Dr. Rajender Singh	Ph.D. (Computer Science), MBA	Professor & Head	Software Testing, Data Mining, Data Warehousing, OO Metrics, Component and Aspect-based metrics, Network Security	24	4	
Mrs. Pooja Mittal	MCA	Assistant Professor	Data Mining and Data Warehousing, Computer Science	7	-	
Mrs. Preeti Rani	MCA	Assistant Professor	Object-oriented Systems and Metrics, DBMS	8	-	
Mr. Sandeep Dalal	MCA, M.Phil	Assistant Professor	Software Engg., DBMS, Web technologies	7	-	
Mr. Gopal Singh	MCA, M.Phil, M.Tech	Assistant Professor	Compiler Design, Computer Science, Theory of Automata, Web technologies, Java	7	-	
Dr. Balkishan	Ph.D. (Computer Science)	Assistant Professor	CBS Development, Testing, Metrics, MFCS, DBMS, Soft Computing	1	-	
Dr. Priti	Ph.D. (Computer Science)	Assistant Professor	Software Engg., Object Oriented, DBMS	3	-	



**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- Prof. P.S. Grover, Ex-Head, Dept. of Computer Science and Director, Computer Centre, University of Delhi, Delhi
- Prof. Manohar Lal, Ex-Director School of Computer & Information Sciences, IGNOU, New Delhi.
- Prof. N.P. Singh, Dept. of Computer Science, MDI Gurgaon
- Prof. Karmesh, School of computer Science, JNU New Delhi
- Prof. Dharmender Kumar, Dean and Head, GJU Hisar
- Prof. Atanu Rakshit, IIM Rohtak
- Ms. Kitty Mukherjee, Soft Skill Trainer, ICFAI National College, Rohtak
- Dr. Sanket Vij, BPS Khanpur
- Mr. Raj Kumar Sachdeva, Project Manager, QAD India Ltd Noida
- Mr. Anil Lamba, Project Manager, Ariscent Technology Gurgaon
- Mr. Amit Rathi, Application Manager, ST Microelectronics Noida
- Mr. Anil Khatri, Project Manager, TCS Gurgaon

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil**14. Programme-wise Student Teacher Ratio:** 20:1 (MCA)  
15:1 (M.Tech.)**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	02	01*
Administrative staff	02	02

\*On Lean

**16. Research thrust areas recognized by funding agencies:** Nil**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

- Nil

<b>18. Inter-institutional collaborative projects and grants received</b>	Nil
<b>a) All India collaboration</b>	
<b>b) International</b>	
<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:</b>	Nil
<b>20. Research facility / centre with /</b>	Nil
• <b>state recognition</b>	
• <b>national recognition</b>	
• <b>international recognition</b>	
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>	Nil
<b>22. Publications: (from 2008-2012)</b>	
* <b>Number of papers published in peer reviewed journals (national / international):</b>	46/77
* <b>Monographs:</b>	Nil
* <b>Chapters in Books:</b>	Nil
* <b>Edited Books:</b>	02, ECRAS, Ministry of Health, Govt. of India
* <b>Books with ISBN with details of publishers: 05</b>	
✚ Computing Fundamentals and Programming in C, Khana Book House, New Delhi (ISBN: 978-93-810-685-02)	
✚ Digital Design and Computer Network Technology, University Science Press (An Imprint of Laxmi Publications Pvt. Ltd.) (ISBN: 978-81-318-0345-5)	
✚ Software Engineering: Reliability, Testing and Quality Assurance, Khana Book House, New Delhi (ISBN: 9788190611633)	
✚ Software Engineering:- Metrics, Testing and Faults, Excel Book House New Delhi (ISBN: 978-81-7446-335-6)	
✚ Application of IT to Business, Ramesh Publishing House, Jaipur, New Delhi (ISBN: 978-81-8142-085-3)	
* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database -</b>	19 (ACM Digital Library) 02 (IEEE Explorer) 01 (Springer)

<b>International Social Sciences Directory, EBSCO host, etc.):</b>	03 (Elsevier) 23 (Google Scholar) 11 (DOAJ)
* <b>Citation Index – range / average:</b>	Range: 2-4, Average: 2.6
* <b>SNIP:</b>	-
* <b>SJR:</b>	0.05
* <b>Impact Factor – range / average :</b>	0.24-1.07; Average: .311
* <b>h-index:</b>	Nil
<b>23. Details of patents and income generated:</b>	Nil
<b>24. Areas of consultancy and income generated</b>	Nil
<b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>	
<ul style="list-style-type: none"> <li>• Prof. Nasib Singh Gill and Prof. Rajender Singh visited other laboratories/ institutions in India and abroad to attend Conferences/workshops/ seminars and to deliver extension lectures</li> </ul>	
<b>26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):</b>	
<ul style="list-style-type: none"> <li>• Prof. Nasib Singh Gill (UGC, AICTE, IGNOU and in several journals)</li> <li>• Prof. Rajender Singh (UGC, AICTE, IGNOU and in several journals).</li> </ul>	
<b>27. Faculty recharging strategies</b>	
<ul style="list-style-type: none"> <li>• Faculty attends orientation/refresher courses as well as faculty development programmes as and when requested/needed.</li> </ul>	
<b>28. Student projects</b>	
<ul style="list-style-type: none"> <li>• <b>percentage of students who have done in-house projects including inter-departmental projects</b> <ul style="list-style-type: none"> <li>✚ All the students of M.Tech. (Computer Science) &amp; MCA goes for in-house projects being as a part of their curricular</li> </ul> </li> <li>• <b>percentage of students doing projects in collaboration with other universities / industry / institute</b> <ul style="list-style-type: none"> <li>✚ All the students of M.Tech. (Computer Science) &amp; MCA goes for projects in IT industry during their last semester of the course</li> </ul> </li> </ul>	
<b>29. Awards / recognitions received at the national and international level by:</b>	
<ul style="list-style-type: none"> <li>• <b>Faculty:</b></li> <li>• <b>Doctoral / Post-doctoral fellows:</b></li> <li>• <b>Students:</b></li> </ul>	03 Nil -

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- **National Conference on Emerging Trends in Mobile Technology & Security** on March 29, 2011 and funded by R. K. Fund, MDU Rohtak
  - **Details of Seminars/ Workshops/ Extension lectures organized by the Department in Last 5 years and using the departmental funds**

S. No.	Date	Topic	Speaker
1.	26.02.2007	i) Workshop on Soft Skills, Personality Development Skills ii) Interview Skills & Group discussion	Mr. Vikas Yadav, Director Mexican Institute of English Language, Rohtak.
2.	10.03.2007	J2EE Workshop	Mr. Anil Khatri, Technical Leader TCS, Gurgaon.
3.	11.03.2008	i) Impression Formation ii) Impression Management	Prof. Sunita Malhotra, Dept. of Psychology, MDU Rohtak.
4.	28.03.2008	i) Group Dynamics ii) Personality development A) Locus of Control B) Personal Effectiveness	Career Launcher and their Team, Rohtak
5.	29.03.2008	i) Core Java and Its Importance ii) J2EE – JSP Servlets, JDBC and Java Beans	Mr. Puneet Rana, Software Engineer, Aricent Technologies Udyog Vihar, Sector-18, Gurgaon
6.	15.09.2008	i) Global Challenges & Managerial Responses	Prof. Daleep Singh, Director, Institute of Hotel & Tourism Management, MDU, Rohtak
7.	18.09.2008	i) Soft–skills and Personality Development. ii) Resume Writing and Tips for Facing Interview	Mr. Sunit Mukherjee, Lecturer in English Govt. College, Dubaldhan.
8.	13.10.2008	i) Group Discussion and Facing Job Interviews (Mock, GD and Interview) ii) Personality Development Traits (Dress Code and Body Language)	Sh. Kuldeep Sharma, Director Stephen's School of English & Personality Development.
9.	21.11.2008	i) Problem solving by Using Computers (Towards Intelligent Systems) ii) Emerging Trends in E-Learning	Prof. Manohar Lal, Director School of Computer & Information Sciences, IGNOU, New Delhi.

10.	10.02.2009	i) Corporate Work Culture ii) Corporate Business Applications & Operations	Mr. Shanu Bhambi, Operation Analyst, IBM, Noida.
11.	24.02.2009	i) Stress & its Consequences ii) Stress Management	Prof. Radhey Shyam, Dept. of Psychology, MDU, Rohtak.
12.	24.03.2009	i) Computer Vision ii) Stegnography	Prof. Naveen Rajpal, University School of Information Technology, GGSIP University, N.Delhi.
13.	23.11.2009	i) Resume Writing & Written Skills ii) Business Communication Skills for Software Engineers.	Ms. Kitty Mukherjee, Director/Centre Head ICFAI National College, Rohtak.
14.	24.11.2009	i) Customer Relationship Management ii) Time Management	Dr. Sanket Vij, Chairman Dept. of Management, Director, Academic Staff College, BPS Mahila Vishvavidalaya, Sonapat.
15.	15.02.2010	i) Geographic Information ii) Computer Vision	Prof. Navin Rajpal, University School of Inf. Tech. GGSIP, Univ., Delhi.
16.	19.02.2010	i) Soft-Computing ii) Computer Simulation	Dr. Manohar Lal, Prof. & Director, School of Computer & Inf. Sc., IGNOU, N.Delhi Prof. P.K. Suri, Dept. of Computer Sc. & Appls, K U Kurukshetra
17.	3.03.2011	IT Security & ethical hacking	Mr. A. Panuu and his Team Crezone Technologies , New Delhi
18.	28.04.2011	i) Revisiting Java & Industrial Importance ii) Advanced Java & its Flavours	Mr. A. Panuu and Mr. Abinash Alok, Crezone Technologies , New Delhi
19.	16.09.2011	i) JAVA Technology and its industrial Importance ii) Advance JAVA and Oracle	Mr. A. Panuu and Mr. Abinash Alok, Crezone Technologies , New Delhi
20.	18.04.2012	JAVA Technology and Linux	Mr. A. Panuu and Mr. Abinash Alok, Crezone Technologies , New Delhi

### 31. Code of ethics for research followed by the departments:

- All the guidelines issued by Dean, Academic Affairs as well as Director (Research) are adhered to.

**32. Student profile course-wise:(2011-12)**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass %	
		Male	Female	Male	Female
MCA	Common entrance test conducted by HSCS, Panchkula	63	111	100%	100%
M.Tech.	Common entrance conducted by UIET	1436		100%	100%
Ph.D.	615	0305		Pursuing	

**33. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MCA	60%	30%	10%	-
M.Tech.	70%	20%	10%	-
Ph.D.	90%	5%	5%	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- Data not available

**35. Student progression**

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	60
• Other than campus recruitment	40
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	60%

<b>from other universities within the State</b>	40%
<b>from universities from other States</b>	Nil
<b>from universities outside the country</b>	Nil
<b>37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:</b>	02
<b>38. Present details of infrastructural facilities with regard to</b>	
<b>a) Library</b>	The Department has its own library having more than 8000 books, 21 print journals and number of online Journals
<b>b) Internet facilities for staff and students:</b>	100% (Wi-Fi)
<b>c) Total number of class rooms :</b>	05
<b>d) Class rooms with ICT facility:</b>	05
<b>e) Students' laboratories:</b>	01
<b>f) Research laboratories:</b>	02
<b>39. List of doctoral, post-doctoral students and Research Associates</b>	
<b>a) from the host university:</b>	12 (Doctoral)
• Ms. Arti Chhikara, Mr. Parveen Kajla, Ms. Sujata Khatri, Ms. Preeti Rani, Mr. Sandeep Dalal, Ms. Meenakshi Sridhar, Ms. Navneet, Mr. Kapil Juneja, Mr. Susheel Kumar, Ms. Pooja Mittal, Mr. Rajan Gupta, Mr. Narander Singh	
<b>b) from other universities:</b>	Nil
<b>40. Number of post graduate students getting financial assistance from the university.</b>	
• 60	
<b>41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.</b>	
• Yes, the faculty is indulged in surveying the current industry requirements to frame out the curricula accordingly by visiting and negotiating with IT personals of various industries	
<b>42. Does the department obtain feedback from</b>	
<b>a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?</b>	Yes
The related issues are discussed in Departmental committees as and when required.	

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Yes (To fill up the Performa designed by the IQAC and it is also utilized to improvise teaching learning process).

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Yes, some of the alumni are the members of the board of studies in the Department and their valuable suggestions are incorporated in the curricula to benefit the upcoming students.

**43. List the distinguished alumni of the department (maximum 10):**

- Mr. Raj Kumar Sachdeva, Project Manager, QAD India Ltd Noida
- Mr. Anil Lamba, Project Manager, Ariscent Technology Gurgaon
- Mr. Amit Rathi, Application Manager, ST Microelectronics Noida
- Mr. Anil Khatri, Project Manager, TCS Gurgaon
- Mr. Punit Rana, Software Eng., Ariscent technology Gurgaon
- Mr. Pardeep Kumar, System Analyst, Hewit Associate Gurgaon
- Mr. Aman Dua, Application Eng, Oracle, Hyderabad
- Mr. Yogender Sharma, Software Eng., Innodata Isogen Tech Gurgaon
- Mr. Nitesh Goyal, Software Eng., Negaro Gurgaon

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- The Department organizes enrichment programmes through seminars, extension lectures, conferences and workshops by involving external experts. Detailed list is enclosed with point no 30 of same proforma.

**45. List the teaching methods adopted by the faculty for different programmes.**

- Group Discussion, Presentations, Seminars, Assignments, Project writing, LCD Projectors, Audio –Visual aids.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The faculty takes class room test and gives assignment. The Department also conducts sessional examination to evaluate the student performance.



**47. Highlight the participation of students and faculty in extension activities.**

- Students actively participate in different activities conducted by Department of Student Welfare (DSW) like cultural activities/quiz contest/adventure programmes/games.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Beyond syllabus scholarly activities included in the department are Extension Lectures / Conferences/Workshops/visit of the students at other universities/ soft skills, communication skill& personality development programmes.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- The Department is accredited by University Grant Commission (UGC)

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The contribution of the Department is to provide high quality value based and career oriented education to the students. The Department has been started with the objective of making available opportunities of high quality & career oriented education to the students.

**51. Future plans of the department.**

- The number of student intake in various courses will be increased e.g. in MCA, M.Tech. (CS) and Ph.D.
- New courses such as M.Sc.(C.S) and five year integrated MCA will be launched.
- Research projects from funding agencies to be carried out
- Joint research work with the IT institutes will be carried out
- Faculty exchange will be strengthened.
- Academic networking and resource sharing will be enhanced.
- International and National conferences/Seminars/Workshops on Advances in CSE and IT will be organized.
- Specialized Computer Labs and Research Labs will be established.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) Curriculum as per Industry requirements.
- b) State-of-the-art Computer Labs.

- c) Quality infrastructure available.
- d) Modern teaching aids used.
- e) Highly motivated, dedicated and committed faculty and other staff members.
- f) Internet facility provided to all faculty members, in all labs, and class rooms.
- a) Whole Campus is on computer network and Internet facility is available in the campus.

**B) Weakness:**

- b) Department had organized less number of National and International Conferences/ Workshops
- c) Department has no Research Projects from any funding agencies
- d) Department has less faculty exchange activities
- e) Better IT Industry could be invited for campus placement
- f) Department could have more enhanced Software/Hardware.

**C) Opportunities:**

- a) Department has well qualified intellectual faculty
- b) Department is enriched with latest and new books of national and international author.
- c) Rich bank of numerous National /International journals
- d) Support & guidance for future prospects.

**D) Challenges:**












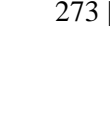
- a) Department take it as a challenge to introduce more professional & industrialized courses.
- b) To enhance existing Labs to Hi-Tech Labs.
- c) To meet all above mentioned weaknesses
- d) To organize more and more National/ International Conferences.
- e) To improvise the teaching learning process of the department.

## Evaluative Report Department of Physics

1. **Name of the Department :** Physics
2. **Year of establishment:** 1976
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :** M.Sc., Pre. Ph.D. and Ph.D.
5. **Interdisciplinary courses and departments involved:** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** M. Tech. (Engineering Physics) course has been discontinued due to the lack of response/ interest from the students
8. **Annual/ Semester/Choice Based Credit System:** Semester system
9. **Participation of the department in the courses offered by other departments:** Nil
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	1	2
<b>Associate Professors</b>	-	5
<b>Assistant Professors</b>	14	5

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. A. K. Sharma	Ph. D.	Professor	Electronics and Lasers	32	-	
Dr. A. S. Maan	Ph. D.	Professor & Head	Solid State Physics (Amorphous Materials)/Electronics Material Science	25	1	
Dr. S. K. Chaudhary	Ph. D.	Associate Professor	Exp. Solid State Physics	30	-	
Dr. Ashwani Sharma	Ph. D.	Associate Professor	Exp. Solid State Physics/Nano Sci. & Technology	30	-	
Dr. (Mrs) Harjeet Kaur	Ph. D.	Associate Professor	Theoretical Solid State Physics	29	-	
Dr. Anirudh Yadav	Ph. D.	Assistant Professor	Solid State Physics (oxide glasses)	25	-	
Sh. Sanjay Dahiya	M. Phil	Associate Professor	Exp. Solid State Physics	23	-	
Sh. Rajesh Parmar	M. Phil	Assistant Professor	Exp. Solid State Physics	16.5	-	
Sh. Sajjan Dahiya	M. Tech.	Assistant Professor	Material Science, Organic Electronics	2	-	
Dr. Grima Dhingra	Ph. D.	Assistant Professor	Theoretical Solid state physics	2	-	
Dr. Anil Ohlan	Ph. D.	Assistant Professor	Material Science, Conjugated Polymers	2	-	
Mrs. Rajni Bala	M.Sc.	Assistant Professor	Material Science	2	-	

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information Nil

14. Programme-wise Student Teacher Ratio: 8:1 (M.Sc. – Physics)

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Technical staff	13	4
Administrative staff	7	4

16. Research thrust areas recognized by funding agencies: **Solid State Physics and Polymer Physics are the research areas recognized by UGC and DST**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

S.No	Name	Project Title	Name of Funding Agency	Grant received/sanctioned (Rs.)
(i)	Dr. Anil Ohlan	Synthesis of conjugated polymer and graphene based thermally conducting nanocomposites for microwave absorption and electromagnetic shielding	UGC	7,64,000/- (in progress)
(ii)	Dr. Ashwani Sharma	Study of mechanical, electrical, optical, structural & other properties of nano particles of semiconductor, metal & oxides	UGC	10,50,000/- (in progress)
(iii)	Sh. Sanjay Dahiya	Synthesis of oxide glasses containing heavy metals	UGC	1,90,000/- (in progress)
(iv)	Sh. Sajjan	Synthesis & characterization of Sm, Bi, & Fe modified Pb based solid solutions for multiferroic properties	UGC	2,00,000/- (in progress)
(v)	Dr. Grima Dhingra	Study of microdynamics of an alkali metal and a super-cooled liquid metal	UGC	1,70,000/- (in progress)

- 18. Inter-institutional collaborative projects and grants received** Nil
- a) All India collaboration
- b) International
- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	DST-FIST (Level – I)	93 lakhs
2.	UGC-SAP (DRS – I)	70.5 lakhs

- 20. Research facility / centre with \** Nil
- state recognition
  - national recognition
  - international recognition
- 21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil
- 22. Publications: (from 2008-2012)**
- \* **Number of papers published in peer reviewed journals (national / international):** 43
  - \* **Monographs:** 0
  - \* **Chapters in Books:** 1
  - \* **Edited Books:** 0
  - \* **Books with ISBN with details of publishers:** 02 (Intellectual Foundation India, ISBN:978-93-81818-02-2 and New Age International, ISBN:81-224-0802-8)
  - \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** 66 (Scopus)

- |  |                              |
|--|------------------------------|
| * <b>Citation Index – range / average:</b> | Range: 0 - 25, Average: 3.82 |
| * <b>SNIP:</b>                             | 0                            |
| * <b>SJR:</b>                              | 0                            |
| * <b>Impact Factor – range / average :</b> | 0.146 - 4.54; Average: 1.49  |
| * <b>h-index:</b>                          | 5 (Average)                  |
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated:** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:** Nil
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):** Nil
- 27. Faculty recharging strategies**
- Faculty members are encouraged to apply for visiting professorship and research fellowships under cultural exchange programme or otherwise. There is provision in the University Act to provide various types of leave for such assignments. The faculty is also sanctioned duty/ academic leave for attending national and international conferences, symposia, and seminars to enhance their academic vision. In addition, teachers are provided grants (Rs.20,000/-) for minor projects out of accumulations under the R.K. Fund.
- 28. Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**
  - **percentage of students doing projects in collaboration with other universities / industry / institute**
- As such there is no provision of project work in the curricula but students can go for the summer training to other research institutes
- 29. Awards / recognitions received at the national and international level by:** Nil
- **Faculty**
  - **Doctoral / Post-doctoral fellows**
  - **Students**

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

The Department organized three workshops to help the faculty members to improve their knowledge about computer programming and of recent developments in the field Material Science.

- Workshop on Introduction to Fortran and C++ languages, 28-30 October, 2010, Physics Department, M. D. University Rohtak out of Departmental Budget.
- Workshop on Material Science, 25 March, 2011, Physics Department, M. D. University Rohtak out of R. K. Fund, MDU Rohtak
- Workshop on Semiconductor devices: Fabrication and Applications, 13 February 2012, Physics Department, M. D. University Rohtak out of R. K. Fund of the University.

**31. Code of ethics for research followed by the departments:**

Ethical practices conformal to international standard are followed in carrying out research activity

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. – Physics (2008-09)	386	1129		~100	~100
M.Sc. – Physics (2009-10)	507	1525		~100	~100
M.Sc. – Physics (2010-11)	570	1535		~100	~100
M.Sc. – Physics (2011-12)	652	1437		Result awaited	
Pre- Ph.D. (2010-11)	138	Nil		Nil	
Pre- Ph.D. (2011-12)	48	Nil		Nil	

**33. Diversity of students: (2011-12)**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc. -Physics	90	10	-	-



34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

<b>Examination</b>	<b>Qualified</b>
UGC-CSIR-NET	~23
GATE	~35
SET	N.A
Defense and Civil Services	Data not available

35. Student progression

<b>Student Progression</b>	<b>Percentage%</b>
UG to PG*	N.A.
PG to M.Phil.*	N.A.
PG to Ph.D.	10-20%
Ph.D. to Post-Doctoral	N.A.
Employed	
• Campus selection	Nil
• Other than campus recruitment	~90%
Entrepreneurs	Nil

36. Diversity of staff

<b>Percentage of faculty who are graduates</b>	
of the same university	66.6 %
from other universities within the State	8.2 %
from universities from other States	25 %
from universities outside the country	Nil

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: One

38. Present details of infrastructural facilities with regard to

a) **Library**

Apart from central library, departmental library housing ~ 900 books on various domains of physics.

b) **Internet facilities for staff and students:**

1 MBPS Internet facility is provided in the computer lab as well as in the rooms of faculty members.

- c) **Total number of class rooms :** Four
- d) **Class rooms with ICT facility:** Two
- e) **Students' laboratories:** Five
- f) **Research laboratories:** Seven

**39. List of doctoral, post-doctoral students and Research Associates**

- a) **from the host university:** (06)

Sanjay Dahiya, Jaswant, Devender, Susheel Arora, Sajjan, Rajesh Kumar

- b) **from other universities:** (03)

Vibhor, Bal Krishan, Sanjay Kumar

**40. Number of post graduate students getting financial assistance from the university.**

+ 28 post graduate students have received different types of fellowship/scholarships during the year 2011-12

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

+ As per IQAC guidelines, feedback from the students is obtained and analyzed and based upon the students feedback curricula is modified.

**42. Does the department obtain feedback from**

- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

+ The feedback from faculty regarding curriculum as well as teaching learning & evaluation is obtained in form of discussions at different platforms such as Departmental Committee, UGBOS, PGBOS, DRC etc. and useful points are implemented to improve upon various parameters.

- b) **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

+ A feedback from the students regarding staff, curriculum and teaching learning & evaluation is obtained twice each year. The feedback Performa for this purpose has been designed by the IQAC as per NAAC guidelines. Feedback thus obtained is analyzed at different fora and implemented as well.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

- ✚ Feedback from Alumni is obtained by means of Alumni association of the Physics Department from which, important points/suggestions are further discussed as explained above and implemented.

**43. List the distinguished alumni of the department (maximum 10):**

S. No.	Name	Designation	Name of Organisation
1	Dr. S.C. Katyal	Professor & Head	Jaypee Institute of Information & Technology NOIDA
2	Sh. Subhash Sahni	Principal H.E.S-I	Govt. College Baund Bhiwani
3	Dr. Yudhisther Yadav	Senior Scientist	National Physical Laboratory (NPL) New Delhi
4	Sh. Gianindra Singh	Principal H.E.S-I	Govt. College Dujana, Jhajjar
5	Dr. Alike Khare	Professor & Head	Dept. of Physics, I.I.T Guhati, Assam
6	Dr. Baltej Singh Ghanghas	Senior Scientist	Bhabha Atomic Research Centre-Trombay
7	Sh. Wazir Singh Goyat	Joint Secy. Public Health	I. A. S. Chandigarh
8	Dr. N. S. Bangar	S.D.M., Bahadurgarh	H. C. S. Govt. of Haryana
9	Dr. N. V. Unnikrishanan	Director	M. G. University, Kottayam (Kerala)
10	Dr. D. P. Gosain	Senior Scientist	Frontier Science Laboratory Sony, Corporation Yakahama, Japan

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Various student enrichment programmes like extension lectures, Seminars organized by the department are given below.

- i) Workshop on Semiconductor devices: Fabrication and Applications, 13 February 2012, Physics Department, M. D. University Rohtak.

- ii) Extension lecture by Prof. R.C. Verma, Punjabi University Patiala on 26-09-2011 on Mathematica and its applications
- iii) Extension lecture by Prof. H. S. Bhatti Punjabi University Patiala on 09- 03-2011 on LASERS and Nanotechnology.
- iv) Extension lecture by DR. H. K. Malik, IIT Delhi on 28-2-11 on Plasmons

**45. List the teaching methods adopted by the faculty for different programmes.**

- ✚ Apart from classroom teaching, various alternate learning methods are employed in the department. Overhead projector, LCD, Electronic board, and computers are actively used to deliver classroom lectures. Internet facility is also available to students for on-line exposure to the latest developments in the related subjects. Seminars, group discussions etc. are the other students self-initiated learning experiences.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- ✚ The continuous evaluation of students is achieved by means of written assignments, seminar presentations, periodical tests, surprise tests etc. Besides these practices, tutorials also provide a platform to teachers for monitoring the academic performance of students. All the existing programmes have compulsory component of 20% internal assessment where attendance of the students in the classroom is also given due weightage.
- ✚ In addition, feedback on various components of teaching-learning and evaluation is taken from the students to improve the quality of teaching-learning processes. The feedback so obtained is analyzed at the departmental level as per guidelines of the IQAC and implemented to incorporate essential changes.

**47. Highlight the participation of students and faculty in extension activities.**

- ✚ The faculty members and students take active part in every activity held in the department. For this purpose, a designated group of faculty members for a given activity takes initiatives and the students are encouraged not only to participate but also to organize/manage various aspects of the activity.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- ✚ The students are encouraged to undertake various academic development programmes. These include summer training, industrial training, etc. Some students are also sent to various research laboratories and reputed industrial units

to learn new techniques and to carry out dissertation work. In addition, extension lectures and workshops are arranged to make students familiar with recent advancements in the concerned subjects. Quiz programmes, Science day celebration, educational tour etc. are also arranged to enhance their general knowledge. Efforts are made by the faculty to judge the potential of various students and to make them aware of various career opportunities.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

✚ The department is accredited as one of the constituents of Maharshi Dayanand University, Rohtak through NAAC and UGC.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

✚ All the faculty members in the department are committed for the classroom teaching and maintaining high standards of discipline in the department. They also contribute in individual capacity toward research and their areas of interest

**51. Future plans of the department.**

✚ The department is in the process of implementing DST-FIST (level-I) and UGC-SAP (DRS-I) programs under which grants of 93 and 70.5 lakhs respectively, have been sanctioned. These grants have to be utilized for strengthening of research labs as well as teaching labs in addition to other infrastructure. Steps are already ON in this direction and the department expects to meet the objective in a timely manner. In addition, the department is bearing itself to setup research facilities in the field of polymers.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strength:**

- i) Qualified and experienced faculty
- ii) Continuous updation of curriculum in the light of current R & D requirements
- iii) Market /Industry friendly courses
- iv) Liaison between physics department and research labs, industrial houses
- v) Strong democratic and scientific system of departmental administration

**Weakness**

- i) Vacant Teaching positions
- ii) Vacant technical positions
- iii) Vacant supporting positions
- iv) Shortage of infrastructure
- v) Aged research facilities

**Opportunities**

- i) Excellent employment avenues
- ii) Huge scope for expansion and growth
- iii) Increasing demand for physics post-graduates
- iv) Increasing avenues in higher research
- v) Inter-disciplinary applications such as Nano-Technology, Bio-Technology and Computer Science

**Challenges**

- i) Mushrooming of Engineering colleges/institutes
- ii) Higher pay packages in education in private sector
- iii) Fast changing industrial scenario
- iv) Advancement of technology

## Evaluative Report Department of Mathematics








1. **Name of the Department :** Mathematics
2. **Year of establishment:** 1976
3. **Is the Department part of a School/Faculty of the university?** Yes, Faculty of Physical Sciences
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc. Maths, M.Sc. Maths with Comp. Sci., 5-Year integrated M.Sc.(Hons), M.Phil., Pre-Ph.D. course work, Ph.D.
5. **Interdisciplinary courses and departments involved:** 5-Year integrated M.Sc.(Hons), department of English
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** None
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** Faculty member takes classes in the Department of Pharmaceutical Sciences.
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	1+2*	1+2*
<b>Associate Professors</b>	0+5*	0+5*
<b>Assistant Professors</b>	4+5**= 9	4+3**= 7









\* under CAS promotion scheme.

\*\* under SFS scheme.

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr N.R. Garg	M.Phil, Ph.D.	Professor	Applied Mathematics	32	 01
Dr Renu Chugh	M.Phil, Ph.D.	Professor & Head	“Non-Linear Functional Analysis, Theory of Frames and Fractals, Fuzzy Mathematics”	25	 06
Dr J.S. Nandal	M.Phil, Ph.D.	Professor	(Pure Mathematics)	24	 03
Dr J.S. Sikka	Ph.D.	Associate Professor	Solid Mechanics, Theoretical Seismology, Fluid Dynamics	24	 -
Mr. Daleep Singh	M.Phil	Associate Professor	Theoretical Seismology, Solid Mechanics	23	 -
Dr. Archana Malik	M.Phil, Ph.D.	Associate Professor	-do-	23	 -
Dr. Gulshan Lal Taneja	Ph.D., PGDCA	Associate Professor	-do-	23	 02



Dr. Rajeev Kumar	M.Phil, PGDCA, Ph.D.	Associate Professor	“Statistics”, “Operations Research” and “Reliability Modeling & Analysis”	23	 01
Dr. Seema Mehra	Ph.D.	Assistant Professor	“Reliability Modeling” and “Statistical Inference”	06	 -
Dr. Sumeet Gill	Ph.D.	Assistant Professor	Analysis, Fuzzy Mathematics, Discrete Mathematics	11	 -
Dr. Savita Rathee	M.Phil, Ph.D.	Assistant Professor	Systems Security, Artificial Intelligence	05	 -
Mr. Manoj Kumar	M.Phil	Assistant Professor	Analysis, Fuzzy Mathematics	05	 -
Mr. Jagbir Ahlawat	M.Sc	Assistant Professor	Analysis	02	 -
Dr. Anju Rani	Ph.D.	Assistant Professor	Algebra, Number Theory	4 Months	 -
Ms. Ekta	M.Sc.	Assistant Professor	Analysis, Fuzzy Mathematics	4 Months	 -

**12. List of senior Visiting Fellows, faculty,  
adjunct faculty, emeritus professors:**

N.A

**13. Percentage of classes taken by temporary faculty – programme-wise information** 28.28%

**14. Programme-wise Student Teacher Ratio:** 20:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	02	02
Administrative staff	04	04

**16. Research thrust areas recognized by funding agencies:**

- Non- Linear Functional Analysis and Fuzzy Mathematics
- Theory of Frames
- Theoretical Seismology
- Elasticity and Bio- Fluid Mechanics
- Reliability Modeling and Analysis
- Mechanics of Solids, Wave Propagation, Fluid Dynamics, Seismic Sources.
- Algebra and its Applications to Coding Theory

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S. No.	Name of Faculty	Project	Funding agency	Amount (Rs) Lakhs
(i)	Prof. Renu Chugh & Dr Gulshan Taneja	Non-linear Functional Analysis and Applications: fuzzy and probabilistic approach.	UGC	8.878
(ii)	Dr. Seema Mehra Berwal	Fuzzy Sets and Fuzzy Logic: Theory and Applications	UGC	1.6
(iii)	Dr. Savita Rathee	Fixed Point and Best Approximation Theory	UGC	1.97

**18. Inter-institutional collaborative projects and grants received**

a) All India collaboration

b) International

Title of the Project	Funding Agency	Year of Completion	Value of the Project
<b>Reliability Modeling and Analysis of a Desalination Plant</b>	Middle East Desalination Research Centre, Oman & Caledonian College of Engg., Oman	2010	\$29,000 (Received by the institution of Principal Investigator)

Dr. Gulshan Taneja as Co-Investigator

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:**

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	UGC-SAP	50 lakhs

**20. Research facility / centre with /**

- state recognition
- national recognition
- international recognition

Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications: (from 2008-2012)**

\* **Number of papers published in peer reviewed journals (national / international):** 37/117

\* **Monographs:** Nil

\* **Chapters in Books:** 04

\* **Edited Books:** 07

\* **Books with ISBN with details of publishers: 05**

Indira Gandhi National Open University, 2011 ( ISBN: 978-81-266-5726-1, 978-81-266-5727-8, 978-81-266-5729-5, 978-81-266-5729-2), Variety Books  
 Publisher's Distributors, 2011 (ISBN: 978-81-904108-1-6)

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** 109
- \* **Citation Index – range / average:** Range: 1-15, Average: 8.1
- \* **SNIP:** -
- \* **SJR:** -
- \* **Impact Factor – range / average :** Range 0-1.3; Average: 0.076
- \* **h-index:** 1.13
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated**
- Consultancy for data analysis is given free of cost to the researchers/ faculty members of neighboring institutes/ universities and other departments of our university.
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Faculty serving on editorial boards of National and International journals
- Prof. N.R. Garg, Ganita Sandesh, a research journal of Rajasthan Ganita Parishad, Ajmer (Rajasthan), ISSN 0970-9169.
  - Prof. Renu Chugh, Editor, Journal of Non-linear Analysis and its Applications, Research India Publications.
  - Prof. Renu Chugh, Editor, Journal of Non-linear Sciences and its Applications, University of Shomal, Iran.
  - Prof. Jagdish Nandal, Referee, Sadhna, Indian Academy of Science, Bangalore.
  - Prof. Jagdish Nandal, Referee, Journal of Calcutta Mathematical Society, Calcutta.
  - Dr Gulshan Taneja, Associate Editor, Caledonian Journal of Engineering, Sultanate of Oman.
  - Dr. Rajeev Kumar, Referee, Caledonian Journal of Engineering, Oman
  - Dr. Rajeev Kumar, Referee, International Journal of Simulation and Modeling

- Dr. Sumeet Gill, Editor, International Journals of Computational Engineering and Management (IJCEM) ISSN: 2230-7893.
- Dr. Sumeet Gill, Editor, International Journal of Interactive Computer Communication (IJICC) ISSN: 2250-2661.
- Dr. Sumeet Gill, Editor, International Technology Research Excellence (IJCSITRE) ISSN: 2250-2734, 2250-2742.



Faculty serving as members of steering by reputed societies/organizations.

- Prof. N.R. Garg, UGC Nominee for SAP in the Department of Mathematics, GJU, Hisar
- Prof. N.R. Garg, UGC Nominee for SAP in the Department of Mathematics, HP University, Shimla
- Prof. Renu Chugh, Member, Executive Council of Indian Society for History of Mathematics
- Dr. Gulshan Taneja, Joint Secretary, Indian Society of Information Theory and Applications.
- Dr Rajeev Kumar, Member, Executive Council of Indian Society of Information Theory and Applications (ISITA)





#### 27. Faculty recharging strategies

- Extension lectures are organized every year.
- Faculty members are granted duty leave as and when they require.

#### 28. Student projects

- **percentage of students who have done in-house projects including inter-departmental projects**  
 N.A
- **percentage of students doing projects in collaboration with other universities / industry / institute**  
 N.A

#### 29. Awards / recognitions received at the national and international level by:

- **Faculty:**
  -  Prof. Renu Chugh is awarded “Rashtriya Gaurav Award” for Meritorious Services, Outstanding Performance and Remarkable role by India International Friendship Society.
  -  Prof. N. R. Garg is awarded “Rashtriya Gaurav Award” for Meritorious Services, Outstanding Performance and Remarkable role by India international Friendship Society.
  -  Dr Gulshan Taneja has been nominated as a member of the Assessment Board by Glasgow Caledonian University, U.K.
  -  Dr Sumeet Gill is awarded “Young Scientist Award 2012” for Computer Science by International Scientific and Engineering Serials at SIT@IP

- **Doctoral / Post-doctoral fellows:** Nil

- **Students:**

✚ Around 6-7 students of the department are awarded Junior Research Fellowship by CSIR/UGC every year. In addition to this, about 5-8 students clear the NET examination conducted by CSIR/UGC for lectureship only to get the Jobs

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- An International Conference on History and Development of Mathematical Sciences has been planned to be held from 21-24 November, 2012, for which the process is on.
- The Department of Mathematics organized a National Conference on History of Mathematics and Recent Developments held at the Department of Mathematics, Maharshi Dayanand University, Rohtak during December 20-22, 2006 in collaboration with Indian Society for History of Mathematics, NBHM and CSIR.

**31. Code of ethics for research followed by the departments:**

- Research scholars getting scholarship remain in the department during the working hours. They strictly follow the instructions given by their supervisor's/HOD as per rules/regulations of the UGC/CSIR/University

**32. Student profile course-wise:(2011-12)**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (Maths)	924	09	42	91.78	92.19
M.Sc. Maths with Computer Science		05	55	90.42	91.42
5-Year Integrated M.Sc.(Hons) Maths.	229	26	35	First Batch	
M.Phil	170	02	05	100	100
Pre-Ph.D.		03	01	100	100

**33. Diversity of students: (2011-12)**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
<b>M.Sc. Maths</b>	72%	26%	2%	-
<b>M.Sc. Maths with Computer Science</b>	63%	32%	5%	-
<b>M.Phil</b>	74%	26%	0%	-
<b>Pre-Ph.D.</b>	75%	25%	0%	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Examination	Qualified
NET	Two

**35. Student progression**

Student Progression	Percentage%
UG to PG*	90
PG to M.Phil.*	10
PG to Ph.D.	05
Ph.D. to Post-Doctoral	0.1
Employed	
• Campus selection	Nil
• Other than campus recruitment	100
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	94%
from other universities within the State	06%
from universities from other States	Nil
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Two

**38. Present details of infrastructural facilities with regard to**

**a) Library**

✚ In addition to having facility of the University Central Library, the department has its own library also which regularly receives the financial assistance annually from National Board of Higher Mathematics (Atomic Energy Commission, India). The Library includes ~9000 books and seating capacity of 50 students.

**b) Internet facilities for staff and students:** 100%

**c) Total number of class rooms :** 07

**d) Class rooms with ICT facility:** Nil

**e) Students' laboratories:** 02

**f) Research laboratories:** Nil

**39. List of doctoral, post-doctoral students and Research Associates**

**a) from the host university:** 16 (Doctoral)

✚ Pankaj Joshi, Savita, Ajay Kumar, Ramesh Kumar Vats, Inderjit Singh, Kulbir Singh, Seema Mehra, Tamanna, Surendra Kumar, Meenakshi, Anju Rani, Sushma, Rajbala Rathee, Meenal Malik, Pushpendra Kadian, Vivek

**b) from other universities:** 03 (Doctoral);

✚ Amit Goyal, Shamsheer Singh Mor

**40. Number of post graduate students getting financial assistance from the university.**

Type of Scholarship	No. of Students				
	2007-08	2008-09	2009-10	2010-11	2011-12
Haryana Merit Scholarship	02	05	01	02	08
SC/BC Stipend	11	07	11	38	67
Guru Harkishan Education Society Scholarship	Nil	10	Nil	05	Nil



Ranbir Singh Memorial Scholarship	Nil	Nil	01	01	01
Post Matric Scholarship	02	35	13	Nil	Nil
P.G Stipend/ Gen/ Lion Joseph Stipend	Nil	02	03	06	10

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- Faculty members of the department while visiting to other universities/institutes observe, understand and feel such needs, which are discussed in the departmental committee to prepare the blue print for implementation.

**42. Does the department obtain feedback from**

- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**
- students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**
- alumni and employers on the programmes offered and how does the department utilize the feedback?**

✚ On the basis of the feedback received from various quarters including faculty member, alumni, students, employers and academic experts and on the basis of need of the present/future, the Departmental Committee discusses the issue of revising the existing curriculum or framing curriculum for the courses. The process of need assessment is generally informal and no formal database is prepared. The preliminary draft of the course is placed in the meeting of respective Board of Studies for discussion and modifications. The curriculum finally approved by Board of Studies is placed in a meeting of Faculty. After approval from Faculty, the curriculum is placed before the Academic Council for approval.

**43. List the distinguished alumni of the department (maximum 10):**

- Dr. Ashok Chitkara, Chancellor, Chitkara Universities, H.P. & Punjab
- Dr. Harish Taneja, Professor & Head, Dept. of Mathematics, Delhi Technical University, Delhi

- Dr. Kuldip Bansal, Professor, Dept. of Mathematics, Guru Jambheshwar University, Hisar
- Dr. Satvinder Bhatia, Professor, Dept. of Mathematics, Thapar University, Thapar
- Mr. Rajeev Maggu, Appraiser/ Commissioner, Central Excise & Customs, Govt. of India, Mumbai
- Dr. N.R. Garg, Prof.& Dean, Faculty of Physical Sciences, M.D. University, Rohtak
- Dr. Baljeet Singh Sindhu, Controller of Examinations, M.D. University, Rohtak
- Mr. Roshan Lal, Assistant General Manager (Marketing), HARTRON, SCO 111-113, Sect-17B, Chandigarh. Mob: 09878511689
- Mr. Mukesh Bajaj, Assistant General Manager (Data Processing), HARTRON, SCO 118-113, Sect-17B, Chandigarh
- Mr. Pawan Bhardwaj, Joint Assistant Director, National Crime Record Bureau, R.K. Puram, New Delhi. Mob: 08800897906

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Sr. No.	Names of Experts	Topic	Date
1.	Prof. Rahul Roy, Indian Statistical Institute, Delhi,	Erds Renyi Random Graphs	28/3/2011
2.	Prof. S.L. Singh, Professor (Rtd), UGC Emeritus Fellow, Gurukula Kangri Vishwavidhyalya, Hardwar (Uttaranchal)	Vedic Binary Numbers	15/2/2011
		Vedic Science and Role of Mathematics	19/3/2012
3.	Prof. Hukum Singh, Head, Dept. of Education, Science and Mathematics at N.C.E.R.T, Delhi	Quality Improvement in Teaching Mathematics in Educational Institutions	03/11/2011
4.	Prof. Budh Naseer, Florida State University, USA	How to think Mathematics	21/2/2011
5.	Prof. Oscar Jaoao Abounur, Associate Professor, Institute of Mathematics and Statistics of the University of Sao Paulo, Brazil,	Interdisciplinary Aspects Involving Music and Mathematics	25/5/2011
6.	Prof. Nasib Singh Gill, Head, Department of Computer Science & Applications, M.D. University, Rohtak	Networked Society of 21 <sup>st</sup> Century: Opportunities & Challenges	20/10/2011
		Opportunities & Challenges of Information Technology	13/2/2008
7.	Dr. Randeep Rana, Department of English, M.D. University, Rohtak,	Resume Writing and to Improve Communication Skills	05/9/2011

**45. List the teaching methods adopted by the faculty for different programmes.**

In addition to traditional method of teaching,

- Power point presentation/slides/transparencies are also prepared/used by the students while presenting their seminars.
- E-learning is being implemented through high-powered broad-band facility of internet provided by the university to the department.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Classes are regularly held as per the norms of the university.
- Rounds are taken randomly by the HOD to ensure the classes are met regularly.
- Class tests/ assignments are given as per the schedule prepared by the department.

**47. Highlight the participation of students and faculty in extension activities.**

The staff and the students of the department participate actively, sincerely and honestly in the extension activities of the university as and when they are assigned such duties or get such opportunity. e.g.

- Participation in various functions like Youth festivals, Convocation, etc. organized by the University.
- Participation in various inspection teams constituted by the University for granting new courses to the colleges affiliated to the University, granting affiliation to colleges, etc.
- Participation in various committees constituted by the University for various purposes from time to time.
- Participation in the cultural programmes organized at intradepartmental level..

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Educational tours
- Extension lectures by the experts from other reputed institutes.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- A part of the University activities.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The department introduced the following new courses for generating the new knowledge for better placement/ opportunities for the students:
  - ✚ M.Sc. Maths with Computer Science (introduced in 2006)
  - ✚ 5-Year integrated M.Sc.(Hons) Mathematics (introduced in 2008)
  - ✚ Pre-Ph.D. in Mathematics as a course work per the UGC recommendations (Introduced in 2010)
- New knowledge is generated by updating syllabi of various courses running in the department from time to time to cater to the need of the society, industries and other stake holders. The courses being run in the department are:
  - ✚ M.Sc. Maths
  - ✚ M.Sc. Maths with Computer Science
  - ✚ 5-Year integrated M.Sc.(Hons) Mathematics
  - ✚ M.Phil
  - ✚ Pre-Ph.D.
  - ✚ Ph.D.
- Knowledge generation is further strengthen by arranging extension lectures from eminent mathematician/scientists from India and abroad as well.
- The arrangement of educational tours and organization of various co-curricular activities including cultural programmes develop the personality and enhance the knowledge of the students for moving effectively with purpose in the society..

**51. Future plans of the department.**

Year Wise Plan of Action for the Next Four Years

• **Academic Session 2012-13:**

The University plans

- ✚ To complete the construction of the new building for the Department of Mathematics.

The Department plans

- ✚ To hold an international conference in Mathematics and allied areas from November 21 to 24, 2012 in collaboration with Indian Society of History of Mathematics and funded by M.D. University, NBHM, DST, CSIR, and ISHM .
- ✚ To arrange at least three extension lectures to update and enhance academic and research standards.

- ✚ To complete second phase of the major research project entitled “ Non-linear Functional Analysis and Applications: fuzzy and probabilistic approach” sanctioned by University Grant Commission to Prof. Renu Chugh (P.I.) for three years w.e.f. 01-02-11.(Amount sanctioned for the project is Rs 8,87,800.
  - ✚ To apply for some research projects funded by UGC, CSIR or other agencies.
  - ✚ To arrange educational tours to various places in India so that students may get wider exposure in various domains and may have the understanding of the emerging areas of interest in the society, in general, and Mathematics, in particular.
  - ✚ To arrange trips to IT/Software industries or/and to arrange interactive lectures of the IT personnel for the students.
  - ✚ To make efforts at the departmental level to establish more linkages with various institutions/industries for research and extension.
  - ✚ To organize cultural programmes in the department wherein both the teachers and students will involve. This will help maintain healthy environment in the department.
  - ✚ To organize “blood donation” and “pledge to eye donation” camp in the department itself.
  - ✚ To organize some other extracurricular/co-curricular activities in collaboration with other agencies/NGOs (such as Rotary/Lions etc.) in the department.
  - ✚ To arrange visits of the students along with teachers to Orphanages, Institutes of Mentally Challenged persons, Old age homes, etc. to inspire them to serve for the society and community becoming good human beings.
  - ✚ To establish a system to generate revenue through consultancy services.
  - ✚ To strengthen the Departmental Library
- **Academic Session 2013-14:**

The Department plans

    - ✚ To hold a 3-weeks refresher course in Mathematics.
    - ✚ To arrange at least three extension lectures to enhance academic and research standards
    - ✚ To complete the major research project entitled “ Non-linear Functional Analysis and Applications: fuzzy and probabilistic approach” sanctioned by University Grant Commission to Prof. Renu Chugh (P.I.) for three years w.e.f. 01-02-11.(Amount sanctioned for the project is Rs 8,87,800.
    - ✚ To apply for some research projects funded by UGC, CSIR or other agencies.
    - ✚ To frame scheme and syllabi for a new course “Post Graduate Diploma in Industrial Mathematics” to be started from the session 2014-15 and to make preparations to create infrastructure for this course.

- ✚ To arrange educational tours to various places in India so that students may get wider exposure in various domains and may have the understanding of the emerging areas of interest in the society, in general, and Mathematics, in particular.
- ✚ To arrange trips to IT/Software industries or/and to arrange interactive lectures of the IT personnel for the students.
- ✚ To make efforts at the departmental level to establish more linkages with various institutions/industries for research and extension.
- ✚ To organize cultural programmes in the department wherein both the teachers and students will involve. This will help maintain healthy environment in the department.
- ✚ To organize some other extracurricular/co-curricular activities in collaboration with other agencies/NGOs (such as Rotary/Lions etc.) in the department.
- ✚ To arrange visits of the students along with teachers to Orphanages, Institutes of Mentally Challenged persons, Old age homes, etc. to inspire them to serve for the society and community becoming good human beings.
- ✚ To give consultancy services formally and to generate revenue from it.
- ✚ To strengthen the Departmental Library
- ✚ To establish one more computer lab and strengthen the existing labs.
- ✚ To establish Smart Class Room(s) with ICT facility.

● **Academic Session 2014-15:**

The Department plans

- ✚ To hold an international conference in Mathematics and allied areas.
- ✚ To arrange at least three extension lectures to enhance academic and research standards
- ✚ To apply for some research projects funded by UGC, CSIR or other agencies.
- ✚ To start a new course “Post Graduate Diploma in Industrial Mathematics”.
- ✚ To launch a new course “M.Tech. in Mathematics and Computing” for the students having Master degree in Mathematics/ Mathematics with Computer Science/ Statistics/ Operations Research/ Physics/ Computer Science.
- ✚ To arrange educational tours to various places in India so that students may get wider exposure in various domains and may have the understanding of the emerging areas of interest in the society, in general, and Mathematics, in particular.
- ✚ To arrange trips to IT/Software industries or/and to arrange interactive lectures of the IT personnel for the students.
- ✚ To make efforts at the departmental level to establish more linkages with various institutions/industries for research and extension.

- ✚ To organize cultural programmes in the department wherein both the teachers and students will involve. This will help maintain healthy environment in the department.
- ✚ To organize “blood donation” and “pledge to eye donation” camp in the department itself.
- ✚ To organize some other extracurricular/co-curricular activities in collaboration with other agencies/NGOs (such as Rotary/Lions etc.) in the department.
- ✚ To arrange visits of the students along with teachers to Orphanages, Institutes of Mentally Challenged persons, Old age homes, etc. to inspire them to serve for the society and community becoming good human beings.
- ✚ To give consultancy services formally and to generate revenue from it.
- ✚ To strengthen the Departmental Library
- ✚ To strengthen classrooms with ICT facility.
- Academic Session 2015-16:
  - The Department plans
    - ✚ To organize a 3-weeks Refresher Course in mathematics.
    - ✚ To arrange at least three extension lectures to enhance academic and research standards
    - ✚ To apply for some research projects funded by UGC, CSIR or other agencies.
    - ✚ To start a new course “M.Tech. in Mathematics and Computing” for the students having Master degree in Mathematics/ Mathematics with Computer Science/ Statistics/ Operations Research/ Physics/ Computer Science.
    - ✚ To arrange educational tours to various places in India so that students may get wider exposure in various domains and may have the understanding of the emerging areas of interest in the society, in general, and Mathematics, in particular.
    - ✚ To arrange trips to IT/Software industries or/and to arrange interactive lectures of the IT personnel for the students.
    - ✚ To make efforts at the departmental level to establish more linkages with various institutions/industries for research and extension.
    - ✚ To organize cultural programmes in the department wherein both the teachers and students will involve. This will help maintain healthy environment in the department.
    - ✚ To organize “blood donation” and “pledge to eye donation” camp in the department itself.
    - ✚ To organize some other extracurricular/co-curricular activities in collaboration with other agencies/NGOs (such as Rotary/Lions etc.) in the department.

- ✚ To arrange visits of the students along with teachers to Orphanages, Institutes of Mentally Challenged persons, Old age homes, etc. to inspire them to serve for the society and community becoming good human beings.
- ✚ To give consultancy services formally and to generate revenue from it.
- ✚ To strengthen the Departmental Library
- ✚ To strengthen and maintain the class rooms with ICT facility.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Highly dedicated and experienced faculty
- b) Continuous updating of curriculum as per latest UGC guidelines to cope with the recent developments in the field of Mathematics
- c) Academic Atmosphere completely prevails in the Department and there is no problem of indiscipline of any kind at any stage
- d) Teaching in Educational institutions, Research/ Development of the sophisticated software promoting courses
- e) Liaison between the Mathematics Department and Educational institutions/Software industry
- f) Strong, Democratic and Friendly System of Departmental Administration
- g) Updated Research activities to the level of National/Inter-national standards.

**B) Weakness:**

- a) Shortage of Physical Infrastructure
- b) Insufficient number of staff positions in Teaching as well as Non-Teaching
- c) Lack of technical staff.

**C) Opportunities:**

- a) Variety of Employment Opportunities available in Academic Institutions/Research/Corporate World
- b) Huge scope for expansion and growth
- c) Increasing demand for the skilled Computer professionals with deep knowledge of Mathematics at the National and Inter-National levels.

**D) Challenges:**

- a) Increasing Privatization of Education
- b) Attractive courses offered by the Private Sector
- c) Higher Pay Packages in Education in Private Sector
- d) Increasing Political Interventions
- e) Growth of Distance and Open Learning System.








## Evaluative Report Department of Statistics

1. **Name of the Department :** Statistics
2. **Year of establishment:** 1991
3. **Is the Department part of a School/Faculty of the university?** Yes, Faculty of Physical Sciences
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.Sc.(Mathematical Statistics), M.Phil., Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** M.Sc. (Operation Research) due to poor response
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:**
  - Faculty member teaching Biostatistics in the Centre for Biotechnology
  - Extension Lectures by the faculty in the department of Genetics and Zoology
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
<b>Professor</b>	-	04*
<b>Associate Professors</b>	1	1*
<b>Asst. Professors</b>	05	-

\*under CAS promotion Scheme

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. (Mrs.) Shashi Bahl	M.A., Ph.D.	Professor	Sampling Theory	36	05	
Dr. (Mrs.) Madhulika Dube	M.A., Ph.D.	Professor & Head	Econometrics/ Bio- Statistics	26	03	
Dr. (Mrs.) Priti Gupta	M.Phil., Ph.D.	Professor	Information Theory	26	02	
Dr. Suresh Chander Malik	M.Sc., Ph.D.	Professor	Reliability Modeling & Analysis	20	09	
Dr. (Mrs.) Ratna Raj Laxmi	M.Sc., Ph.D.	Associate Professor	Statistical Genetics	20	02	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:** 8:1 (M.Sc.)  
2:1 (M.Phil.)  
6:1 (Ph.D.)

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	02	02
Administrative staff	02	02

16. **Research thrust areas recognized by funding agencies:** Sampling Theory, Econometrics  
Reliability Modeling & Analysis

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S.No	Name	Project Title	Funding Agency	Grant sanctioned (Lakhs)
(i)	Prof. Madhulika Dube	Population Genomics of Malaria Vector An stephensi Mosquitoes in Indian Subcontine	DBT	58.23
(ii)	Prof. S.C. Malik	Reliability Modeling and Analysis of Computer Systems with H/Wand S/W Failures	UGC	7.188

18. **Inter-institutional collaborative projects and grants received** Nil

a) **All India collaboration**

b) **International**

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:**

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	UGC- SAP	31.5 lakhs
2.	UGC Infrastructural grant	20.0 lakhs

20. **Research facility / centre with /** Nil

- **state recognition**
- **national recognition**
- **international recognition**

21. **Special research laboratories sponsored by / created by industry or corporate bodies** Nil

22. **Publications: (from 2008-2012)**

\* **Number of papers published in peer reviewed journals (national / international):** 49/54

\* **Monographs:** Nil

- \* **Chapters in Books:** Nil
- \* **Edited Books:** 01, (ISBN 978-93-80697)
- \* **Books with ISBN with details of publishers: 02**  
 + ISBN 93-80-896-32-8  
 + ISBN 93-80-896-41-7
- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** 49
- \* **Citation Index – range / average:** Range: 0-6, Average:
- \* **SNIP:** -
- \* **SJR:** -
- \* **Impact Factor – range / average :** 0-2; Average:
- \* **h-index:** 2.4
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated**
- Consultancy is given free of cost to the PG students of Health University, Rohtak and Research Scholars and faculty members of other Departments and colleges of M.D. University, Rohtak
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):** Nil
- 27. Faculty recharging strategies**
- Extension Lecturers are organized
  - Faculty Members are encouraged and granted duty leave for attending workshops/conferences etc.

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects**  
 100 % - of M.Sc. students
- **percentage of students doing projects in collaboration with other universities / industry / institute**  
 10 %

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** 01 (Best Citizen Award)
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** 02/03(INSPIRE/NET)

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Three day National Workshop on 'Applicable Statistics' from 28.03.2010 to 30.03.2010 sponsored by Directorate of Higher Education, Haryana
- Five day National Workshop on "Modeling Optimization and their applications" during 17.08.2010 to 21.08.2010 sponsored by DST New Delhi
- Two day National seminar on "Recent Developments in Sampling Techniques" during 26.03.2011 to 27.03.2011 sponsored by UGC New Delhi.

**31. Code of ethics for research followed by the departments:**

- Research Scholars getting Scholarship remain in the Department during the working hours and follow the UGC guidelines & University regulations

**32. Student profile course-wise:(2011-12)**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.	54	08	14	-	-
M.Phil./Pre-Ph.D.	20	05	04	-	-
Ph.D.	14	0203		-	-

**33. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Sc.	89%	10%	1%	-
M.Phil./Pre-Ph.D.	70%	20%	10%	-
Ph.D.	60%	20%	20%	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

<b>Examination</b>	<b>Qualified</b>
<b>GATE</b>	Three
<b>NET</b>	Five

35. Student progression

<b>Student Progression</b>	<b>Percentage%</b>
<b>UG to PG*</b>	NA
<b>PG to M.Phil.*</b>	80 %
<b>PG to Ph.D.</b>	40 %
<b>Ph.D. to Post-Doctoral</b>	Nil
<b>Employed</b>	
• <b>Campus selection</b>	Nil
• <b>Other than campus recruitment</b>	70%
<b>Entrepreneurs</b>	Nil

36. Diversity of staff

<b>Percentage of faculty who are graduates</b>	
<b>of the same university</b>	60%
<b>from other universities within the State</b>	20%
<b>from universities from other States</b>	20%
<b>from universities outside the country</b>	Nil

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of infrastructural facilities with regard to

a) <b>Library</b>	Central library
b) <b>Internet facilities for staff and students:</b>	100%
c) <b>Total number of class rooms :</b>	03
d) <b>Class rooms with ICT facility:</b>	Nil
e) <b>Students' laboratories:</b>	01
f) <b>Research laboratories:</b>	02

**39. List of doctoral, post-doctoral students and Research Associates****a) from the host university:**

23(Doctoral)

- Hari Arora, Pradeep Kumar, Sanjeev Kumar, Rohtash Kumar Bhardwaj, Mahabir Barak, Puran Chand, Paramjit Nandal, Jitender Kumar, Parmila Rathee, Sanjay Kumar, Sanjeet Singh, Bhagirath, Parveen Kharab, Garima Malhotra, Prem Parkash, Dheeraj Pawar, Niranjana, Naveen Nandal, Promila, Naveen Kumar, Jyoti Anand, Anil Kumar, Parmita.

**b) from other universities:**

10 (Doctoral)

- Shalini Chandra, Jitender, Nitin Bhardwaj, Vijay Bhardwaj, Punam Kashyap, Akeepam Jiram Meiti, Naresh Sharma, Amrender Kumar, Vijay Kumar, Monika Saini

**40. Number of post graduate students getting financial assistance from the university.**

- 36

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- Faculty Members of the Department visit other Universities/Institutes to observe, understand and feel such needs

**42. Does the department obtain feedback from****a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

Yes

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

feedback forms are filled by the students and these are utilized to improve curriculum and teaching learning evaluation.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

On the basis of the feedback received from various quarters including the faculty members, alumni, students and other academic experts who visit the department, the Departmental Committee discusses the issue of revising the existing content of

the curriculum or framing the curriculum for new courses. Using the feedback obtain from Alumni and Employers, the course curriculum and training is revised and designed to impart the practical application of Statistics to students and hence the subject has become more useful job oriented.

**43. List the distinguished alumni of the department (maximum 10):**

- Prof . Shashi Bahl, Dept. of Statistics, M.D. U., Rohtak
- Prof . S. C. Malik, Dept. of Statistics, M.D.U., Rohtak
- Dr. Veena Manocha, Director of Research HAU, Hisar
- Dr. Gulshan Taneja, Assoc. Prof. Dept. of Mathematics, M.D. U Rohtak
- Dr. Rajeev Kumar, Assoc. Prof. Dept. of Mathematics M.D. U Rohtak
- Dr. Upasana, Asst Prof, Dept. of Statistics Punjabi Univ. Patiala.
- Dr. Shaini Chandra, Assoc Prof, Banasthali Vidya Peeth,
- Dr. Mukender Singh, Lect. Dept. of Statistics, K.U.K University
- Dr. Atul Juneja, ICMR, New Delhi
- Dr. Manoj Kumar, Head, Dept. of Mathematics BMIET Engg. College Haryana

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Extension lecturer on Information Theory by Prof. D.S. Hooda Head, Deptt. of Mathematical Sciences, J.P. Institute of Engg. & Tech. Guna on 26-09-2009.
- Three day National Workshop on ‘Applicable Statistics’ from 28.03.2010 to 30.03.2010
- Five day National Workshop on “Modeling Optimisation and their applications” from 17.08.2010 to 21.08.2010
- Two day National seminar on “Recent Developments in Sampling Techniques” from 26.03.2011 to 27.03.2011

**45. List the teaching methods adopted by the faculty for different programmes.**

- Power Point Presentation/Slides/Transparencies are prepared/used by the students while presenting their seminars.
- Black Board teaching.
- E-Learning is being implemented through high powered broad band facilities available in the department.



**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Classes are regularly held as per norms of the University.
- Class Tests/Assignments are given as per schedule prepared by the Department.
- Learning outcomes are successfully met as is clear from ongoing research work in the department, enrollment of students in Ph.D. Degree and performance of Students in NET/CSIR/GATE/DST Inspire Fellowship.

**47. Highlight the participation of students and faculty in extension activities.**

- The research Scholars and the students are encouraged to attend the workshops/ seminars / conferences and Trainings. Two students were selected to attend One Week Training on Official Statistics sponsored by Ministry of Statistics and Programme Implementation held at National Academy of Statistical Administration (NASA).
- The staff and students of the Department participate actively and sincerely in the extension activities of the university as and when they are assigned such duty.
- Participation in various functions organized by the university.
- Participation in various committees constituted by the university for various purposes from time to time.
- Participation of students and faculty in cultural activities.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Educational Tours/Trips are organized by the department every year.
- Extension Lectures by the experts from reputed institutes.
- The teachers of the department participated in about 52 conferences/ seminars/ workshops organized by various academic institutions in India and abroad during the last five years.
- The Department has produced 32 Ph.D. students during last five years.
- Presentations by students on Science Day.
- Organization of Quiz Contest.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Department is a part of the university activities

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- New knowledge is generated by updating by syllabi of various courses running in the department from time to time to cater the need of the society, and industries.
- Knowledge generation is strengthened by arranging extension lectures from eminent statisticians/scientists from India and abroad as well.
- Seminars/conferences/workshops are organized in the department from time to time for knowledge enhancement.
- Large numbers of books/ journals related to specialized topics of the subject are added in the central library of the university from time to time.
- Educational tours and various other activities like Quiz Contest, paper presentation etc. are organized in the department for the development of personality and enhancement of knowledge of the students.

**51. Future plans of the department.****Year 2012 – 13**

- To arrange Extension Lectures by from eminent statisticians/scientists
- To arrange Educational Trips for the students of the department
- Development of Career advisory team in the department
- To organize Quiz Contest and paper presentation in the department
- To organize extracurricular/ co-curricular activities
- To plan for the generation of funds through consultancy services

**Year 2013 -14**

- To start five years integrated course in computing statistics as in Haryana there are few degree colleges in which statistics is being taught at UG level as a subject and to cater the need of the students who want to make “ Statistics” as their career.
- To arrange Extension Lectures by from eminent statisticians/scientists
- To arrange Educational tours and Trips for the students of the department
- To organize Quiz Contest and paper presentation in the department
- Generation of funds through consultancy services

**Year 2014 -15**

- Introduce PG Diploma in Data Analysis and Actuarial Sciences
- Introduce job orientated optional papers
- To arrange Extension Lectures by from eminent statisticians/scientists

- To arrange Educational tours and Trips for the students of the department
- To organize Quiz Contest and paper presentation in the department
- To organize extracurricular/ co-curricular activities
- Generation of funds through consultancy services.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Highly qualified and experienced faculty.
- b) Continuous updating of curriculum in the light of UGC guidelines and current industry requirements.
- c) Semester systems in all the programmes.
- d) Projects and Field work an essential component of Post Graduate Programmes.
- e) Strong, democratic and friendly System of Departmental administration.

**B) Weakness:**

- a) Lack of Global Exposure to the students.
- b) Lack of Industrial Consultancy.
- c) Absence of E-Learning Lab.
- d) Shortage of Physical Structure.
- e) Lack of sanctioned posts of academic support staff.

**C) Opportunities:**

- a) Variety of Employment opportunities available in Academic Institutes/ Research / Corporate World.
- b) Huge Scope for expansion and growth of the subject at national and International Level.
- c) Increasing demand for the skilled manpower in Statistics.
- d) Infuse of new rules and regulation which requires technically competent personnel.
- e) Increasing demand for analytical work in corporate sector.

**D) Challenges:**

- a) Getting good quality students.
- b) Continuous updating of knowledge.
- c) Generation of resources for self-sustenance
- d) Keeping pace with fast changing industrial scenario.
- e) To introduce the discipline of Statistics in various government sector jobs.

## Evaluative Report

### Institute of Hotel & Tourism Management





1. **Name of the Department :** Institute of Hotel & Tourism Management (IHTM)
2. **Year of establishment:** 2007
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**
  - ✚ 2-Year Master of Hotel Management (MHM) Programme
  - ✚ 2-Years Master of Tourism Management (MTM) Programme
  - ✚ 3-Years Bachelor of Hotel Management (BHM) Programme
  - ✚ 3-Years Bachelor of Tourism Management (BTM) Programme
  - ✚ 1-Year Diploma in Food and Beverage Production Management (DFPM) Programme
  - ✚ 1-Year Diploma in Food and Beverage Services Management (DFSM) Programme
  - ✚ 1-Year Diploma in Housekeeping Operations Management (DHKM) Programme
  - ✚ 1-Year Diploma in Front Office Operations Management (DFOM) Programme
5. **Interdisciplinary courses and departments involved:** Department of English & Foreign Languages, IMSAR, Commerce, Law
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** None










- 8. Annual/ Semester/Choice Based Credit System:** Semester System
- 9. Participation of the department in the courses offered by other departments:** Department of English & Foreign Languages, Micro-Biology, IMSAR

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	-	-
Associate Professors	1	1
Asst. Professors	12	12

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Daleep Singh	Ph.D.	Director	General Management & Research	35	06	
Dr. Ashish Dahiya	Ph.D.	Associate Professor	Hospitality Operations & Management	10	-	
Dr. Ranbir Singh	Ph.D.	Assistant Professor	Tourism Impacts & Business	05	-	
Dr. Amit Kumar Singh	Ph.D.	Assistant Professor	Heritage Tourism	10	-	

Mr. Sanjeev Kumar	Ph.D.*	Assistant Professor	Front Office	08	-	
Dr. Goldi Puri	Ph.D.	Assistant Professor	Marketing, International Business, IT	07	-	
Mr. Manoj Kumar	MHM, M.A. (Eng.)	Assistant Professor	F&B Service	08	-	
Dr. Sandeep Malik	Ph.D.	Assistant Professor	F&B Controls, F&B Services & Production	08	-	
Ms. Gunjan	MBA	Assistant Professor	Marketing & HR	05	-	
Ms. Jyoti	MHM	Assistant Professor	House-keeping & Front Office	05	-	
Ms. Shilpi	MHM	Assistant Professor	Travel & Tourism	04	-	
Mr. Anoop K. Huria	MHM	Assistant Professor	Ticketing & Tourism Business	08	-	
Mr. Sumegh	MTM	Assistant Professor	Hotel Operations	04	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

Academic	Industry
<ul style="list-style-type: none"> <li>• Dr. Donruetai Kovathanakul: , Khon Kaen University, Thailand</li> </ul>	<ul style="list-style-type: none"> <li>• Chef. Diwas Wadhwa : Executive Chef – Eaton Hotels</li> </ul>
<ul style="list-style-type: none"> <li>• Prof. Anand Kumar Singh : IHM Bhopal</li> </ul>	<ul style="list-style-type: none"> <li>• Chef. Manjit Gill : Corporate Chef – ITC Welcome Group Hotels, Palaces &amp; Resorts</li> </ul>
<ul style="list-style-type: none"> <li>• Prof. Deepak Raj Gupta : Chairperson – Tourism &amp; Hospitality, Jammu University - Jammu</li> </ul>	<ul style="list-style-type: none"> <li>• Chef. Sanjeev Jaiswal : Executive Chef – Hyatt Regency – New Delhi</li> </ul>
<ul style="list-style-type: none"> <li>• Prof. Himadri Sau : Dept. of Tourism, Dev Sanskriti University – Hardwar</li> </ul>	<ul style="list-style-type: none"> <li>• Chef. Vikas Singh: Ex. Chef – Rig Hospitality Ltd.</li> </ul>
<ul style="list-style-type: none"> <li>• Prof. S.C Bagri : Dean – Hospitality &amp; Tourism, HNB Garhwal Central University, Uttarakhand</li> </ul>	<ul style="list-style-type: none"> <li>• Chef. William Lee : Chinese Chef – Cheon Hotels</li> </ul>
<ul style="list-style-type: none"> <li>• Prof. S.P Bansal – Chairperson – Tourism &amp; Hotel Mgmt, Himachal Pradesh University Shimla.</li> </ul>	<ul style="list-style-type: none"> <li>• Col. Sumant Bhatia: CEO, Colonels Travel House.</li> </ul>
<ul style="list-style-type: none"> <li>• Prof. S.S Boora : Chairperson – Tourism &amp; Hospitality, Kurukshetra University- Kurukshetra</li> </ul>	<ul style="list-style-type: none"> <li>• Dr. Ramesh Kapur : CMD – Radisson Hotel Delhi</li> </ul>
<ul style="list-style-type: none"> <li>• Prof. Sahid Mohommad : IHM Rohtak</li> </ul>	<ul style="list-style-type: none"> <li>• Mr. Abhijeet Anand – General Manager, Haveli Karnal</li> </ul>
<ul style="list-style-type: none"> <li>• Prof. Sunil Kabia : Institute of Tourism &amp; Hospitality, Bundelkhand University, Jhansi</li> </ul>	<ul style="list-style-type: none"> <li>• Mr. Andrew J Ryder : General Manager Learning &amp; Development, Jaypee Hotels Delhi</li> </ul>
<ul style="list-style-type: none"> <li>• Prof. Y.G Tharakan : Welcome Graduate School of Hotel Administration Manipal Karnataka</li> </ul>	<ul style="list-style-type: none"> <li>• Mr. Deepak Behel : Peoples Officer, Hilton Hotels</li> </ul>
<ul style="list-style-type: none"> <li>• Prof. Vinnie Jauhari : Oxford Brookes University</li> </ul>	<ul style="list-style-type: none"> <li>• Mr. Gaur Kanjilal : President Indian Association of Tour Operators (IATO)</li> </ul>
	<ul style="list-style-type: none"> <li>• Ms. Sareena Kochar : General Manager Housekeeping Lemon Tree Hotels India</li> <li>• Ms. Saroj Pandey : Executive Housekeeper – Oberoi Hotels &amp; Resorts</li> </ul>

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:** 09:1 (MHM)  
08:1 (MTM)  
20:1 (BHM)  
10:1 (BTM)

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	04	-
Administrative staff	03	03

**16. Research thrust areas recognized by funding agencies:** Food Production, Culinary Services, Housekeeping Practices, Tourism -Travel Services and Management.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S.No	Name	Year	Name of Funding Agency	Grant received/sanctioned
(i)	Dr. Ashish Dahiya	2011	MDU, Rohtak	10,000

**18. Inter-institutional collaborative projects and grants received** Nil

a) All India collaboration

b) International

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:**

S.No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	Capital Grants –in –aid from Ministry of Tourism, Govt. of India for introducing Hospitality Courses	200 lakhs



**20. Research facility / centre with /**

- **state recognition**

✚ IHTM has contributed for Research Work on Cuisine of Haryana. The same has been uploaded on the Official Website of Haryana Tourism  
<http://www.haryanatourism.gov.in>

- **national recognition**

Nil

- **international recognition**

Nil

**21. Special research laboratories sponsored by / created by industry or corporate bodies**

Nil

**22. Publications: (from 2008-2012)**

- \* **Number of papers published in peer reviewed journals (national / international):**

26

- \* **Monographs:**

Nil

- \* **Chapters in Books:**

10

- \* **Edited Books:**

Nil

- \* **Books with ISBN with details of publishers:**

✚ Food of Haryana: The Great Chutneys (2012) University Press, MDU in Association with Intellectual Foundation India (ISBN: 978-93-81818-05-3)

✚ Hospitality Industry – Contemporary Issues (2009)- Bagri & Dahiya; Aman Publications (ISBN: 978-81-904282-1-7)

✚ Introduction to Hospitality Industry – A Text Book (Jan 2008)- Bagri & Dahiya; Aman Publications: ISBN 978-81-820404-6-5

✚ Basics of Baking (2006) Aman Publications.

✚ Food Service Facilities (2007) Aman Publications

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):**

10

- \* **Citation Index – range / average:**

Nil

- \* **SNIP:** Nil
- \* **SJR:** Nil
- \* **Impact Factor – range / average :** Nil
- \* **h-index:**
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Dr. Ashish Dahiya – Dubai (UAE)
  - Dr. Goldi Puri: TOHR – Singapore
- 26. Faculty serving in**
- a) National committees**
- ✚ Prof. Daleep Singh (AICTE,UGC,DEC)
- b) International committees**
- ✚ Dr. Ashish Dahiya & Dr. Goldi Puri (TOHR)
- c) Editorial Boards**
- ✚ Prof. Daleep Singh (Editorial Board 10 Journals)
  - ✚ Dr. Ashish Dahiya (Editorial Board – 08 Journals)
  - ✚ Dr. Sandeep Malik (Editorial Board – 02 Journals)
- d) any other (please specify):**
- ✚ Dr. Ashish Dahiya : Jt. Secretary : Indian Hospitality Congress
- 27. Faculty recharging strategies**
- The Institute maintains a close Liaoning with Industry and maintains cordial relations with other Institutes/ Universities. Our Faculty members also serve as Visiting Professor in other Universities. Similarly IHTM invites faculty for Universities within India & Overseas.
- 28. Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**
  - ✚ 100 %
  - **percentage of students doing projects in collaboration with other universities / industry / institute**
  - ✚ 100% Students to Industry Integrated Projects as Internship is mandatory in Curriculum
- 29. Awards / recognitions received at the national and international level by:**
- **Faculty:** 04
  - **Doctoral / Post-doctoral fellows:** Nil
  - **Students:** 02

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

The Institute organised following seminars/ festivals/ events in 2011-12:

- The Institute organised Two Day Workshop on ‘Application of e – techniques/ tools in Research’ April 19-20, 2012
- Organised One Week Faculty Development Programme ‘Learning to do Academic Research in Hospitality & Tourism Management’ April 02-08, 2012
- Organised Food Festival ‘Haryanvi Food – The Great Chutneys’ on March 21, 2012.
- Organised One Day Workshop on ‘International Food: The Cuisine of China’ on 28 February 2012
- Organised National Seminar on ‘Indian Tourism: Meeting Challenges for Future’ on 25 February 2012.
- Organised National Seminar on ‘Indian Values & Cultures: Role in career Enhancement’ on 20 February 2012.
- Organised National Seminar on ‘Culinary Services & Hospitality’ on occasion of International Chef’s Day October 20, 2011.
- Organised National seminar on ‘ Tourism - Linking Cultures’ on World Tourism day on 27th September 2011 at IHTM – MDU, Rohtak
- Organised a Workshop on “Application of SPSS Software in Research” April 19-20, 2011 at Institute of Hotel & Tourism Management, MD University Rohtak.
- Organised National Conference on “Emerging Trends in Hospitality & Tourism” April 09-10, 2011.

**31. Code of ethics for research followed by the departments:**

As prescribed by University and UGC

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MHM	70	42	04	95	97
MTM	60	12	12	94	93
BHM	160	85	05	92	100
BTM	60	30	05	91	100
DIPLOMA	30	12	01	70	100

**33. Diversity of students: (2011-12)**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MHM	40	45	15	-
MTM	30	55	15	2
BHM	NIL	NIL	-	-
BTM	NIL	NIL	-	1
DIPLOMA	NIL	NIL	-	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Examination	Qualified
NET	02

**35. Student progression**

Student Progression	Percentage%
UG to PG*	45
PG to M.Phil.*	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
• Campus selection	40
• Other than campus recruitment	50
Entrepreneurs	10

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	25%
from other universities within the State	55%
from universities from other States	20%
from universities outside the country	NIL

37. **Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** 04
38. Present details of infrastructural facilities with regard to
- a) **Library**  
 IHTM has an in house library in addition to Central Library of University having about 10,000 books in IHTM.
  - b) **Internet facilities for staff and students:** 100% (Wi-Fi)
  - c) **Total number of class rooms :** 12
  - d) **Class rooms with ICT facility:** 12
  - e) **Students' laboratories:** 06
  - f) **Research laboratories:** 06
39. **List of doctoral, post-doctoral students and Research Associates**
- a) **from the host university:** Nil
  - b) **from other universities:** Nil
40. **Number of post graduate students getting financial assistance from the university.**
- Twelve
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
- The programmes are promoted by Ministry of Tourism, Govt. of India. Further the report of World Tourism organisation, FHRAI have reported that there is a deficiency of skilled manpower in Hospitality & Tourism Sector in India. Keeping in view the Programmes of Hotel & Tourism Management were introduced in IHTM, MDU. Infact we have also received prestigious grant of Rupees Two Crore from Ministry of Tourism, Govt. of India as Capital Grant in Aid to these Programmes.
42. **Does the department obtain feedback from**
- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes  
 Department obtains feedback which is subsequently discussed in Departmental

Council meeting from time to time and then forwarded to IQUAC of University and timely action is taken on the same.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

The formal feedback is taken on a pre-designed Performa and timely parent teacher meetings are organized. The Feedback is discussed in departmental meetings and suggestions are forwarded to IQUAC and recommendations are implemented accordingly.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

The Alumni association of the Institute hosts meeting every year and organizes employers meet. The feedback is discussed in the Department Council Meet and recommended for further necessary action.

**43. List the distinguished alumni of the department (maximum 10):**

- Mr. Sunil Pahal, Manager – Disney Inn Haridwar
- Ms. Neha Chauhan, Front Office Exe: Le-Meridian Hotel
- Mr. Janeswar Hooda, Best Western Hotel Gurgaon
- Mr. Dinesh Dhankar, Dept. of Tourism & Hotel Mgmt, KUK
- Ms Monika Harit, ITC Fortune Hotel Gurgaon
- Mr. Deepak Nirmal, Hotel Quality Inn Bliss Gurgaon
- Mr. Manish Malik, Swati Group of Hotels
- Mr. Sonu Dhiman, Dominos Pizza
- Mr. Dinesh, ITC Fortune - Goa
- Mr. Amit Rana, Indian Airlines

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Following Workshops/ Special Lectures have been organised in 2011 & 2012 involving External Experts.

- The Institute organised International Housekeepers Week Celebrations from Sept 09-15, 2012

- The Institute organised one week Tea Festival from Aug13-18, 2012
- The Institute organised One Day Mango Festival on 09 June 2012.
- IHTM organised Food Festival ‘Haryanvi Food – The Great Chutneys’ on March 21, 2012.
- IHTM organised National Tourism Day and Kite Festival on January 25, 2012
- IHTM organised IHTM Foundation Day on 20 Feb, 2012
- The Institute organised International Chef’s day on Oct 20, 2011
- The Institute organised International Housekeepers Week Celebrations from Sept 11-17, 2011 the same has also featured in the official magazine of International Executive Housekeepers Association USA.
- IHTM organised a Workshop on “Application of SPSS Software in Research” April 19-20, 2011 at Institute of Hotel & Tourism Management, MDU, Rohtak.
- Besides above mentioned Extension Lectures from following Resource Persons have been delivered in the 2011-12
  - ✚ Chef William Lee – Chin Chan Hospitality
  - ✚ Mr. Rakesh Harjai – Harjai Hospitality Services
  - ✚ Mr. Subodh Chaudhary – Doon College Dehradun
  - ✚ Mr. U.S Oberoi : Oberoi Enterprises Delhi
  - ✚ Ms. Sareena Kochar: GM Housekeeping Lemon Tree Hotels
  - ✚ Ms. Saroj Pandey: EHK Oberoi Hotels Delhi
  - ✚ Prof. S.K Gupta – HNB Garhwal Central University
  - ✚ Col. Sumant Bhatia : Colonels Tours & Travels

**45. List the teaching methods adopted by the faculty for different programmes.**

- The Faculty of the Institute adopts latest Teaching pedagogy including Role Playing, Simulation, Case Studies, Lab & Industry Practical, Field Visits with a combination of Lecture, Tutorial and practical using latest teaching equipment like LCD Projector, AV Aids, Television, Internet and Online Resources, Supplemented by Live events and activities round the year. Activity based Learning is strongly promoted in the Institute.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The Institute obtains the feedback through Stakeholders from Industry, Society, Parents and Students directly. It is pertinent to mention that in order to strengthen the Quality Assurance and Systematization Institute has taken ISO Certification 9001:2008 and adheres to ISO standards. The feedback is discussed at appropriate levels in the Departmental meetings and forwarded to IQAC further.

**47. Highlight the participation of students and faculty in extension activities.**

- To celebrate the WORLD TOURISM DAY on 27 Sept.2010, 2011, 2012 .the Institute organized a cultural and awareness program for creating awareness of tourism education in which, students of different streams and different schools colleges participated
- Institute organized food festival (2010,2011, 2012) in order to promote local food
- A Radio program (prepared by Institute in 2011, 2012) about Hotel and Tourism Education was broadcasted by All India Radio Station in June-Aug. 2011, 2012.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- The Institution promote the best practices to develop a competitive spirit institute practices, systemically training and recognition programme (STAR Programme).
- IHTM organizes Awareness Campaigns, Live Cooking and Food Service Practical, Hosts Radio Programmes, Organizes Student Field Visits and Tours, Also Quiz and other such competitions are organized for enhanced learning.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Yes, the Institute is ISO 9001:2008 certified from Dubai Accreditation Centre

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The Department has contributed to Cuisine of Haryana in the domain of Hospitality & tourism. The Book titled ‘Food of Haryana: The Great Chutneys’ IHTM MDU Publication has been official adopted by Haryana Tourism and is available online portal of Haryana tourism : [www.haryanatourism.gov.in](http://www.haryanatourism.gov.in)



- Apart from it the faculty Members of the Institute contributes to Journals & Book Chapters of the domain of Hospitality & Tourism. It is a pleasure to put on record that our faculty members serve on the Board of various International Journals in Malaysia, Africa, Australia, USA and others in Hospitality & Tourism.

**51. Future plans of the department.**

- Introduction of Choice Base Credit System
- Launching of 5 year Integrated Courses in Hospitality & Tourism
- To Promote Research Collaborations and Develop activities in Consultancy and Extension Areas.
- To start Ph.D. programme in Hospitality & Tourism from 2013.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Well Trained faculty with a blend of Industry & Academic Experience
- b) Modern Laboratories with latest equipment
- c) The Institute has been rated as No-1 Institute of Hotel & Tourism Management in Haryana and amongst Top -10 in India (GHRDC 2010,11)
- d) The Institute has strong Linkages with Industry & Academic Associations Indian Tourism Congress, Indian Housekeepers Club, Indian Hospitality Congress
- e) The Institute proudly stands amongst the Hotel & Tourism Schools listing of the World Tourism Directory.

**B) Weakness:**

- a) No International Linkages
- b) No Major Research Projects
- c) No Bridge Courses offered currently

**C) Opportunities:**

- a) With Growth in Hospitality & Tourism Sector the demand of Manpower projected by Ministry of Tourism Govt. of India is very high. Thus IHTM has an opportunity to meet the Human Resource requirements for the trade.
- b) To excel in the state as well as country as Centre of Excellence in Hospitality & Tourism.
- c) To strengthen research in Hospitality & Tourism. (In above regard IHTM MDU has been the first one in India to organize 'Faculty Development Programme – Learning to do Academic Research for Hospitality & Tourism' April 02-08, 2012.

- d) Develop and operationalise 'Food Service & Production Lab' and running an Operational Restaurant in the University.
- e) To motivate, attract and pull best of the talent from the Country and overseas as Students and Research Associates and develop a world class learning atmosphere open for all.

**D) Challenges:**

- a) To develop the students for Hospitality & Tourism from Rural Back Ground
- b) To meet the global competitive scenario and growing industry demands of skilled manpower.
- c) To Excel in Research in Hospitality & Tourism Management.
- d) To cater to the needs of students from Diverse Backgrounds.
- e) To promote programmes of Hospitality & Tourism amongst International Students.

## Evaluative Report












### Institute of Management Studies and Research




1. **Name of the Department :** Institute of Management studies and Research (IMSAR)
2. **Year of establishment:** 1976
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** MBA (General), MBA (Honos), MBA (Business Economics), MBA 5-Year (Integrated), Ph. D.
5. **Interdisciplinary courses and departments involved:** MBA
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** Nil
8. **Annual/ Semester/Choice Based Credit System:** Semester based credit system
9. **Participation of the department in the courses offered by other departments:**
  - The faculty members of IMSAR frequently teach classes of other departments like Hotel and Tourism, Food Technology, Physics etc. as and when requested by the other UTDs.
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	03	02
Associate Professors	05	04
Assistant Professors	17	16

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Daleep Singh	M.Com., Ph.D.	Professor	General Management/ HRM	34	3	
Dr. Mukesh Dhunna	M.B.A., M.C.A., Ph.D.	Professor	OR/MIS/Stat./ IT	30	5	
Dr. Ajay K. Rajan	M.B.A., Ph.D.	Professor	HR/Talent Management	26	2	
Dr. H.J. Ghosh Roy	M.Com., M.B.A., Ph.D.	Dean & Director, Professor	Finance/ Accounting	34	4	
Dr. (Mrs.) Neelam Jain	M.Com., M.Phil., Ph.D.	Professor	Accounting/ Costing	22	2	
Dr. Virender Singh	M.B.A., Ph.D.	Professor	Marketing/ International/ Marketing	26	-	
Dr. A.S. Boora	B.Text., M.B.A., Ph.D.	Associate Professor	Business Stat./ OR/ Production	26	6	
Dr. Rishi Chaudhary	M.B.A., Ph.D.	Associate Professor	Finance/ Accounting	21	3	
Dr. Satyawan Baroda	M.B.A., Ph.D.	Associate Professor	HRM	20	3	

Dr. Raj Kumar	M.Com., M.Phil., PGDBM	Associate Professor	Finance/ Accounting	24	1	
Dr. Pardeep Kumar	MBA, APGDCA, Ph.D.	Associate Professor	IT & e-Com., Mktg.	14	4	
Dr. (Mrs.) Kamlesh Ghakhar	M.A. (Eco.), Ph.D.	Associate Professor	Bus. Eco.	32	-	
Dr. Aparna Bhardwaj	M.Sc. (Phy.), PGDCA	Assistant Professor	Computer/IT	10	-	
Dr. Jagdeep Singla	BE, MBA, Ph.D.	Assistant Professor	Marketing, Production, SCM	10	-	
Mr. Naresh Kumar	MA (Eco.), MBA	Assistant Professor	Economics, Q.M., IT	4	-	
Mr. Kuldeep Chaudhary	MBA	Assistant Professor	Marketing, Gen. Mgt.	4	-	
Dr. Seema	MBA, Ph.D., MCA, M.Phil.	Assistant Professor	Marketing, IB	8	-	
Dr. Karamvir Sheokand	MBA, Ph.D.	Assistant Professor	HRM, Marketing	3	-	
Dr. Garima Dalal	M.Com, PGDCA	Assistant Professor	Finance, HRM	5	-	
Dr. Sonia	MBA, Ph.D.	Assistant Professor	HRM, Marketing	2	-	

Dr. Divya Malhan	MBA, Ph.D., PGDCA	Assistant Professor	HRM, Marketing	12	-	
Dr. Sanjay Nandal	MBA, Ph.D.	Assistant Professor	Bus. Eco.	11	-	
Dr. Ramphul	MA Eco, Ph.D.	Assistant Professor	International Business	9	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- Prof. Surender Kumar
- Dr. Surender Singhal,
- Dr. S. N. Ghosh,
- Mr. Badri Bajaj
- Mr. S C Jain
- Dr. Rajesh Gulia
- Dr. Neeraj Kaushik
- Dr. Ajay Kaushik
- Col. R. S. Malik,
- Dr. Harsh Bhanwala,
- Dr. Virender Sangwan
- Dr. O.P. Duhan
- Prof. M P Jaiswal
- Mr. R C Dabas
- Mr. Rajender Singh

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:** 33:1 for MBA 2-Year (General), MBA 2-Year (Honours) , MBA 2-Year (Business Economics) , MBA 5-Year (Integrated)

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	06	04
Administrative staff	08	08

**16. Research thrust areas recognized by funding agencies:** Management and allied subjects**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S. No.	Name of Faculty	Project	Funding agency	Amount(Rs) Lakhs
(i)	Dr. Ramphul	Globalization and Competitiveness of Indian Dairy Sector (Major)	UGC	6.248
(ii)	Dr. Ramphul	Economic Viability of Organic farming in Haryana	ICSSR	~4.25
(iii)	Dr. Ramphul	Total Factor Productivity Growth in Haryana Agriculture	MDU	0.1

**18. Inter-institutional collaborative projects and grants received** Nil

a) All India collaboration

b) International

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:** Nil**20. Research facility / centre with /** Nil

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil

**22. Publications: (from 2008-2012)**

* <b>Number of papers published in peer reviewed journals (national / international):</b>	31/09
* <b>Monographs:</b>	Nil
* <b>Chapters in Books:</b>	01
* <b>Edited Books:</b>	Nil
* <b>Books with ISBN with details of publishers: 10</b>	
✚ Computer Networks and Internet, Vayu Education of India, 2009 (ISBN: 978-81-907-7462-8)	
✚ Information Technology in Business Management Luxmi Publications 2010 (ISBN: 978-93-803-8623-2)	
✚ Basics of Retail Management VK (India) Enterprises 2011 (ISBN: 978-93-800-0683-3)	
✚ Marketing Management – Text and Cases Wisdom Publications 2009 (ISBN: 978-88-95-4710-3)	
✚ Disaster Management Vayu Education of India 2009 (ISBN: 978-81-907-4963-3)	
✚ Service Marketing (An Indian Perspective) - Text and Cases Wisdom Publications 2012 (ISBN: 978-93-815-0504-5)	
✚ Marketing Management - Text and Cases Wisdom Publications 2012 (ISBN: 978-93-815-0503-8)	
✚ A Text Book of Accounting for Managers JBC Publishers and Distributors 2009 (ISBN: 978-81-904-2699-2)	
✚ A Text Book of Financial Accounting Vayu Education of India 2009 (ISBN: 978-81-906-5183-7)	
✚ WTO and Indian Agriculture Global Research Publication 2010 (ISBN: 978-81-8963-0)	
* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>	Nil
* <b>Citation Index – range / average:</b>	Nil
* <b>SNIP:</b>	Nil
* <b>SJR:</b>	Nil



- \* **Impact Factor – range / average :** Nil
- \* **h-index:** Nil
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Prof. Dalip Singh - NAAC member, NBA member, AICTE member,
  - Prof. Mukesh Dhunna - NAAC member, NBA member, AICTE member,
  - Prof. Ajay Rajan - NAAC member, NBA member, AICTE member
  - Prof. H. J. Ghosh Roy - AICTE member
  - Dr. A. S. Boora - AICTE member
- 27. Faculty recharging strategies**
- IMSAR continuously promotes the faculty members to participate in various faculty development programmes, orientation programmes, refresher courses etc.
- 28. Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**
  - **percentage of students doing projects in collaboration with other universities / industry / institute**
    - ✚ All the students in MBA programs undergo projects which may be summer projects or research projects. These are undertaken by students in mentorship of various industries as well as the faculty members of the department.
- 29. Awards / recognitions received at the national and international level by:**
- **Faculty:** Nil
  - **Doctoral / Post-doctoral fellows:** Nil
  - **Students:** Nil
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**
- Organized by IMSAR a one-day National Conference on “Activity-Based Learning in Professional Education” on March 12, 2011.
  - National conference on “Emerging issues in investment management in India” on 21st April 2012, organized by IMSAR in collaboration with Rohtak Matcom Education Society.

**31. Code of ethics for research followed by the departments:**

- The department follows the code of ethics strictly as per the UGC/ University norms.

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MBA	1222	363	340	100%	100%
Ph.D.	64	22	42	100%	100%

**33. Diversity of students:(2011-12)**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBA (General)	85.2	3.3	9.8	1.63
MBA (Honours)	88.1	5.1	6.8	-
MBA (Bus. Eco.)	85	1.7	13.3	-
MBA 5 Year (Int'ed)	-	-	-	-
Ph. D.	68	-	-	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Examination	Qualified
NET	24

**35. Student progression**

Student Progression	Percentage%
UG to PG*	<b>90</b>
PG to M. Phil.*	<b>NA</b>
PG to Ph.D.	<b>1%</b>
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	33
• Other than campus recruitment	48
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	60%
from other universities within the State	35%
from universities from other States	05%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** 03 (Ph.D.)

**38. Present details of infrastructural facilities with regard to**

- a) **Library** Central library.
- b) **Internet facilities for staff and students:** 100% with Wi-Fi
- c) **Total number of class rooms :** 12
- d) **Class rooms with ICT facility:** 04
- e) **Students' laboratories:** 01
- f) **Research laboratories:** 02

**39. List of doctoral, post-doctoral students and Research Associates**

a) **from the host university:** 36 (Doctoral)

- Amit Chakrapani, Rachna Gupta, Sanjeev Kumar, Rajneesh Ahlawat, Harsh Kumar Bhanwala, Prem Parkash Mittal, Virender Saroha, Aparna Bhardwaj, Sanjay Nandal, Supriya Dalal, C.P. Chawla, Arpan Dewan, AbhaSuri, Manisha, Raj Kumar, Sanket Vij, Ajit Singh Bhola, Somvir S. Rathee, Goldi Puri, Jyoti, Manisha, Parmila Devi, Priyanka Singh, Suman, Anshu Hooda, Shriom Dalal, Mamta Batra, Jagdeep Single, Anil B. Vashisth, Sonia, Bhawna Syal, Samridhi, Desh Bandhu, Nitu, Parveen, Vikram Bansal

b) **from other universities:** 01 (Post-Doctoral)

- Dr. Sanket Viz, BPS Women University, Khanpur

**40. Number of post graduate students getting financial assistance from the university.**

- Twelve

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- Before undertaking new programs a feedback of students, parents, experts from industry and academia is taken and departmental committees are constituted for initiating the process.

**42. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

IMSAR invites suggestions and interacts with the faculty members to obtain their feedback about the enhancement of the course curriculum. Further, the faculty members also provide their feedback at personal level or sometimes later as they teach the paper/ subject in the course of studies.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

The Institute, on the recommendation of IQAC, has recently introduced the mechanism of obtaining feedback from the students about the course contents and teaching methodologies. A questionnaire covering curricular design, support services, teaching methodology, IT-enabled learning environment, etc. is distributed among the students for their unbiased opinions to collect the feedback.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

The Institute appreciates the importance of obtaining feedback from former students for providing more effective support and linkages for promotion of career avenues to the current students. IMSAR holds 'Alumni Meet' every year to benefit from the experience of more than 2000 of its alumni, most of whom occupy prestigious managerial positions in corporate sector. The feedback of the alumni association has proved to be of great help in assessing the relevance of courses to industry/academics and in evaluating the strengths and weaknesses of the course curricula.

**d) Feedback from Employer? Yes**

Indirect feedback is also received from the employers, especially from private

enterprises during their visit for talent search in the Institute. On the basis of the experience gained from the visits of their senior executives, the Institute has come to know the demands of the market and the latest trends therein. This also helps the Institute to suitably review/revise the syllabi.

The feedback gained from different sources is utilized by discussing in different academic bodies and valuable viewpoints are incorporated at the time of curriculum construction for new courses or revising the existing ones

**43. List the distinguished alumni of the department (maximum 10):**

Sr. No	Name	Batch	Designation	Place
1.	Sh. Santosh Bansal	1977-79	Industrialist	Rohtak
2.	Prof. P.K. Yadav	1977-79	Pro Vice-Chancellor	M.J.P. University, Bareilly
3.	Ms. Aparna Asthana	1979-81	General Manager	Indian Oil Corporation, Mumbai
4.	Sh. Satbir Singh	1979-81	Income Tax Commissioner	Mumbai
5.	Sh. Bharat Bhushan Pradhan	1979-81	Vice President	Bhilwara Group, Rajasthan
6.	Sh. Rajesh Bawa	1979-81	Chief Marketing Manager	ONGC, Delhi
7.	Sh. Mahavir Singh	1981-83	General Manager	Haryana Financial Corporation, Chandigarh
8.	Sh. Ravi Mishra	1981-83	Industrialist	Delhi
9.	Sh. Ajay Tomer, IPS	1982-84	DIG	Gujrat Police, Gujrat
10.	Sh. Yogender Vashisht	1983-85	Executive Vice President	Reliance Energy

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Apart from formal classroom teaching and training component, there is a provision of participation by the students in a number of activities like cultural activities, sports activities, debates, declamations, quizzes, photographic competition, collage competitions, poetic symposia, etc. Students are also encouraged for participation in social activities like tree plantation, blood

donation camps, public awareness activities help the students to acquire the needed qualities, attitudes, and values necessary for overall development.

**45. List the teaching methods adopted by the faculty for different programmes.**

- The department has a unique pedagogical system which focuses on interactive learning. Besides classroom lectures, the pedagogy include case discussions, role plays, experiential learning, personality development workshops, buzz sessions, computer-aided programmed learning, and simulation exercises. Sending the students to industry for practical training is also one of the important activities included in the curriculum design by which the university strengthens liaison and interaction with industry.

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- There is a constant system of evaluation by way of internal and external assessment through examinations. Viva-voce, presentations, seminars, extra-curricular activities like quizzes are some of the methodologies adopted to ensure that the program objectives are constantly met.

**47. Highlight the participation of students and faculty in extension activities.**

- Students are encouraged for participation in social activities like tree plantation, blood donation camps, public awareness activities help the students to acquire the needed qualities, attitudes, and values necessary for overall development.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Apart from formal classroom teaching and training component, there is a provision of participation by the students in a number of activities like cultural activities, sports activities, debates, declamations, quizzes, photographic competition, collage competitions, poetic symposia, etc. Students are also encouraged for participation in social activities like tree plantation, blood donation camps, public awareness activities help the students to acquire the needed qualities, attitudes, and values necessary for overall development.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- MBA programs are recognized by UGC, New Delhi

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The institution lays emphasis on multi-skill development in its programmes by introducing varied contents and activities, including encouragement to students to participate in a variety of co-curricular and social activities.

**51. Future plans of the department.**

- To introduce the 2-year MBA (Health Care) Programme
- To establish Entrepreneurship Development Centre
- To establish Communication Lab
- To strengthen the existing Library and to establish one more Computer Lab.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Extremely good faculty
- b) World class library and research facilities
- c) Cooperative Environment
- d) Modern pedagogy.

**B) Weakness:**

- a) Space constraint
- b) Fund constraint for seminars and conferences
- c) Most of the students admitted are from this region
- d) Lacking in consultancy work.

**C) Opportunities:**

- a) Scope of introducing job oriented specialization
- b) Greater scope of utilizing Alumni base for development of the institute and job placement of student
- c) Placements in Financial services have been increasing constantly in the past few years
- d) Scope of attracting better quality of students from NCR and other nearby places
- e) Scope of enhancing placement activities due to change in economic environment.

**D) Challenges:**

- a) Opening of large number of B-Schools in the region
- b) Marked reduction in quality of intake of students
- c) Growth of distance and open learning system in management education
- d) Fast changing corporate expectations
- e) Higher expectation of students in terms of pay package.

## Evaluative Report




### Department of Defence and Strategic Studies

1. **Name of the Department :** Defence and Strategic Studies
2. **Year of establishment:** 1991
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** MA, M.Phil, Pre-PhD, Ph.D.
5. **Interdisciplinary courses and departments involved:** Sociology and English for M.A.(Hons) 5years
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	-	-
Associate Professors	01	01
Asst. Professors	03	02



**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. R.S. Siwach	Ph.D.	Professor	National Security & International Relations	27	 06
Dr. D. S. Bajia	Ph.D.	Associate Professor	Strategic Thought and Strategic & Nuclear Issues	21	 02
Dr. S. P. Vats	Ph.D.	Associate Professor	National Security Affairs	27	 05

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** M.A. : 25 %  
M.Phil: 25 %

**14. Programme-wise Student Teacher Ratio:** M.A.: 14:1  
M.Phil: 4:1  
Pre-Ph.D.: 2.5:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	-	-
Administrative staff	02	02

**16. Research thrust areas recognized by funding agencies:** Nil

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

- Nil

**18. Inter-institutional collaborative projects and grants received** Nil

**a) All India collaboration**

**b) International**

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:** Nil

**20. Research facility / centre with /**

- **state recognition**
- **national recognition**
- **international recognition**

The State provides ample amount of funds for Research Programme undertaken by Scholars of the Dept. of D.S.S. The Centralized Research Centers are under the various chairs i.e. Nehru Chair, Dr. B.R. Chair, Sir Chhotu Ram Chair, Swami Dayanand Chair etc. These programme are also funded by national bodies like UGC, ICSSR, and HRD

**21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil

**22. Publications: (from 2008-2012)**

\* **Number of papers published in peer reviewed journals (national / international):** Nil

\* **Monographs:** Nil

\* **Chapters in Books:** Nil



\* **Edited Books:** Nil

\* **Books with ISBN with details of publishers:** Nil

\* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** Nil

\* **Citation Index – range / average:** Nil

\* **SNIP:** Nil

- \* **SJR:** Nil
- \* **Impact Factor – range / average :** Nil
- \* **h-index:** Nil
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):** Nil
- 27. Faculty recharging strategies**
- The Dept. of D.S.S. continuously keeps on arranging the departmental group discussion of faculty members on current issues in the backdrop of making Defence Studies more viable. Further, Extension Lecture / Seminar / Symposia / work shop are conducted by the dept. regularly by inviting outside Experts have also enrich the faculty of the department. Moreover, the faculty members enrich themselves by attending seminar / conferences of the subject. The faculty members have already attended orientation and Refresher Courses conducted by UGC.
- 28. Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**  
 N.A.
  - **percentage of students doing projects in collaboration with other universities / industry / institute**  
 N.A.
- 29. Awards / recognitions received at the national and international level by:**
- **Faculty:** Nil
  - **Doctoral / Post-doctoral fellows:** 01
  - **Students:** 02
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**
- Nil
- 31. Code of ethics for research followed by the departments**
- The Research Scholars of the department are continuously guided by Research Supervisors individually as well as collectively. Further, Research scholars are continuously motivated to maintain objectivities in the Research

**32. Student profile course-wise:**

Name of the Course(refer to question no. 4)		Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M.A.	2008-09	21	10	02	100 %	100 %
	2009-10	25	09	01	81 %	100 %
	2010-11	38	16	04	100 %	N.A.
	2011-12	60	16	04	100 %	N.A.
M.Phil.	2008-09	35	09	01	100 %	100 %
	2009-10	31	08	Nil	100 %	N.A.
	2010-11	10	09	01	89 %	100 %

**33. Diversity of students:**

Name of the Course(refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	80 %	10 %	10 %	Nil
M.Phil.	62.5 %	Nil	37.5 %	Nil
Pre Ph.D.	66.66 %	Nil	33.33 %	Nil

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- UGC-NET =22

**35. Student progression**

Student Progression	Percentage%
UG to PG*	N.A.
PG to M.Phil.*	70%
PG to Ph.D.	66.7%
Ph.D. to Post-Doctoral	NA

Employed	
• Campus selection	Nil
• Other than campus recruitment	12.5
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	100
from universities from other States	Nil
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**38. Present details of infrastructural facilities with regard to**

a) <b>Library</b>	Central library
b) <b>Internet facilities for staff and students:</b>	100
c) <b>Total number of class rooms :</b>	03
d) <b>Class rooms with ICT facility:</b>	Nil
e) <b>Students' laboratories:</b>	Nil
f) <b>Research laboratories:</b>	Nil

**39. List of doctoral, post-doctoral students and Research Associates**

a) **from the host university:** 09 (Doctoral)

✚ Sunita Rani, Yogender Singh, KusumLata, Partap Singh, Satyavart, Satish Kumar, Sudesh Kumari, Bajrang Kumar, Sumesh Kumar

b) **from other universities:** 03 (Doctoral)

✚ Rajkumar, Brig. Arun Gupta, Ruchika Singla

**40. Number of post graduate students getting financial assistance from the university.**

- 44

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- During the Last three year no new programme has been started

**42. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

The feedback is obtained from faculty and utilized to improve the teaching-learning evaluation and curriculums. Teachers are actively involved in framing of syllabi

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Students feedback is obtained regularly. It is discussed in departmental committee and utilized to improve the teaching-learning process. To resolve the problems of the students one to one interaction is made with them through tutorials

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Nil**

**43. List the distinguished alumni of the department (maximum 10):**

- Dr. Keval Krishan, Asstt. Lecturer, Punjab University, Patiala (Punjab).
- Sh. Kapinder, Asstt. Lecturer, Jat College, Hisar, (Haryana).
- Sh. Rajesh Saini, Asstt. Lecturer, Govt. College, Ateli, M.Garh. (Haryana).
- Dr. Partap Phalswal, Asstt. Lecturer, Govt. College, Bound Kalan, Bhiwani. (Haryana).
- Sh. Dinesh Kumar, Asstt. Lecturer, Jat College, Hisar, (Haryana)
- Sh. Azad Bishnoi, Asstt. Lecturer, F.G.M. Govt. College, Adampur, Hisar, (Haryana).
- Sh. Satyavart, Asstt. Professor, Govt. P.N.R.S., College, Rohtak (Haryana).
- Sh. Rajbir Singh, Asstt. Professor, Govt. P.N.R.S. College, Rohtak (Haryana).
- Lt. Gen. A.K. Lal, Army Head-Quarter, New Delhi

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Extension Lectures were organized by inviting external experts

**45. List the teaching methods adopted by the faculty for different programmes.**

- Lectures Delivering Method.
- Discussion Methods.
- Term-paper presentation by M.A. Students.
- Seminar presentation by M.Phil Students.
- Presentations through OHP/Audio-visual system

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Programme objectives are met through faculty and students feedback System.
- Learning outcomes are constantly monitored through
- Internal Assessment System.

**47. Highlight the participation of students and faculty in extension activities.**

- Complete and regular participation.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Students attend various programmes and cultural activities organized by the Dean Students Welfare and Students Activity Centre of the university. They also participate in NSS Programmes.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- The University is accredited in an integrated manner

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The department imparts vast and deep knowledge of various aspects pertaining Defence and Strategic Studies to the students and Research Scholars, with the understanding of basic and applied aspects. The doctoral scholars of the department have authored some nationally acclaimed books.

**51. Future plans of the department.**

- To strengthen and make the existing courses more and more viable.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Highly qualified and experienced faculty, good teaching facilities and Infrastructure, Regularity in faculty development programmes

**B) Weakness:**

- a) The department needs more faculty

**C) Opportunities:**

- a) The Department has wide scope of opportunities in area of teaching and Research and expertise of Defence and Security arena.

**D) Challenges:**

- a) The biggest and more challenging aspect is to meet out the opportunities, to mitigate the weaknesses and retain strengths.













## Evaluative Report Department of Economics

1. **Name of the Department :** Economics
2. **Year of establishment:** 1976
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.A. (Hons.) 5 Year Integrated Course, M.A. 2 Years, M.Phil., Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** Nil
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programmes / courses discontinued, if any, with reasons:** Nil
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** Nil
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	02	04
Associate Professors	02	03
Assistant Professors	09	04

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. S.B. Dahiya	Ph.D.	Professor	Development Economics, Indian Economy, Haryana Economy	35	04	
Dr. Kavita Chakravarty	Ph.D.	Professor & Head	Gender Studies, Dev. Economics, Haryana Economy, Agriculture Economics	22	08	
Dr. Rajinder Choudhary	Ph.D.	Professor	Unorganized Sector, Cooperation, Microeconomics	22	01	
Dr. Santosh Nandal	Ph.D.	Professor	Gender Economics	28	07	
Dr. Anita Dagar	Ph.D.	Associate Professor	Econometrics, Quantitative Techn.	29	04	
Dr. Himmat S. Ratnoo	Ph.D.	Associate Professor	Urban Economics Migration	23	-	
Dr. Shobha Choudhary	Ph.D.	Assistant Professor	Quantitative Techniques, Operations Research, Mathematical Economics	6	03	
Dr. Neelam Choudhary	Ph.D.	Associate Professor	Indian Economy, Economic Theory	30	05	
Mr. Jagdeep Dahiya	M.A.	Assistant Professor	Public Economics, Micro Economics	3	-	
Dr. Rajesh	Ph.D.	Assistant Professor	Quantitative Techniques & Public Economics	1.5	-	

Mrs. Bimla	M.Phil	Assistant Professor	Micro Economics, Macro Economics	1.5	-	
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**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information**

Nil

**14. Programme-wise Student Teacher Ratio:**

M.A. 2-Years -12:1

Pre-Ph.D.- 8:1 M.Phil- 5:1

M.A. (Hons.) 5-Year Integrated

Course- 12:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	-	-
Administrative staff	02	01

**16. Research thrust areas recognized by funding agencies:**

- Governance Issues, Economics of Corruption, Energy related issues, Development

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**



S. No	Name	Project Title	Name of Funding Agency	Grant received/ sanctioned (Rs.)
(i)	Prof. Kavita Chakravarty	Land Property Rights of Women in North India	UGC	7,92,000/- (in progress)
(ii)	Prof. Kavita Chakravarty	Co-Investigator of major project entitled "Effects of Political Reservation of Women in PRIs on Local Development"	Univ. of Minnesota, USA	
(iii)	Dr. Neelam Choudahry	An Evaluation of the Centrally Sponsored Flagship Programmes in Haryana	UGC	7,06,200/- (in progress)

18. **Inter-institutional collaborative projects and grants received** Nil
- a) **All India collaboration**
- b) **International**

19. **Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received.**

S. No.	Name of Funding Agency	Grant Sanctioned (Rs.)
1.	UGC-SAP (DRS – I)	44.6 lakhs+ 2 Project Fellow

20. **Research facility / centre with /**
- **state recognition** Yes
  - **national recognition** Yes
  - **international recognition** Yes
21. **Special research laboratories sponsored by / created by industry or corporate bodies** Nil
22. **Publications: (from 2008-2012)**
- \* **Number of papers published in peer reviewed journals (national / international):** 69/07
  - \* **Monographs:** --
  - \* **Chapters in Books:** --
  - \* **Edited Books:** --
  - \* **Books with ISBN with details of publishers:** Nil
  - \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** Nil
  - \* **Citation Index – range / average:** Nil
  - \* **SNIP:** Nil
  - \* **SJR:** Nil
  - \* **Impact Factor – range / average :** Nil
  - \* **h-index:** Nil

23. **Details of patents and income generated:** Nil
24. **Areas of consultancy and income generated** Nil
25. **Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
26. **Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Nil
27. **Faculty recharging strategies**
- Nil.
28. **Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**  
 Nil
  - **percentage of students doing projects in collaboration with other universities / industry / institute**  
 Nil
29. **Awards / recognitions received at the national and international level by:**
- **Faculty:** Nil
  - **Doctoral / Post-doctoral fellows:** Nil
  - **Students:** Nil
30. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**
- Five national, one international
31. **Code of ethics for research followed by the departments:**
- Yes, As per university guideline
32. **Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG	307	19	55	-	
Integrated Masters	50	16	14	-	
M.Phil.	161	03	07	-	
Pre- Ph.D.	164	06	05	-	

**33. Diversity of students:**

Name of the Course(refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG	90	8.5	1	0.5
Integrated Masters	90	8.5	1	0.5
M.Phil.	90	10	1	-
Pre- Ph.D.	90	9	1	1

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

Examination	Qualified
NET/CSIR/UGC	25
SET	22
Others	12

**35. Student progression**

Student Progression	Percentage%
UG to PG*	N.A.
PG to M.Phil.*	15%
PG to Ph.D.	15%
Ph.D. to Post-Doctoral	N.A.
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	- N.A
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	45%

from other universities within the State	27%
from universities from other States	27%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**38. Present details of infrastructural facilities with regard to**

- |   |                 |
|---|-----------------|
| a) <b>Library</b>                                     | Central Library |
| b) <b>Internet facilities for staff and students:</b> | 100%            |
| c) <b>Total number of class rooms :</b>               | 05              |
| d) <b>Class rooms with ICT facility:</b>              | 01              |
| e) <b>Students' laboratories:</b>                     | N.A             |
| f) <b>Research laboratories:</b>                      | N.A.            |

**39. List of doctoral, post-doctoral students and Research Associates**

<b>From (2008-12)</b>	<b>Guided</b>	<b>Registered</b>
a) <b>from the host university:</b>	30	14 (Doctoral)
b) <b>from other universities:</b>	07	18 (Doctoral)

List of Research Scholars:

Ms. Savita, Ms. Kavita, Ms. Poonam, Mr. Anand Kumar, Ms. Niraj, Ms. Ritika Sharma, Mr. Nem Chand Gautam, Ms. Saraswati, Mr. Chand Ram, Ms. Meena, Ms. Anju Dahiya, Ms. Suneyana, Ms. Punam, Mr. Parveen Kumar, Ms. Aruna, Mr. Peter Omae Kabuka, Ms. Anu Bala, Ms. Rachna Batra, Mr. Subhash, Mr. Dara Singh, Ms. Sunil, Ms. Manju, Mr. Lalit Sharma, Ms. Poonam, Mr. Sunil Kumar, Mr. Surjeet, Ms. Anita Devi, Ms. Neeru Chhabra, Mr. Jai Parkash, Ms. Nisha Rani

**40. Number of post graduate students getting financial assistance from the university.**

- 25

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- A workshop on the teaching Economics was conducted on woman enough.

**42. Does the department obtain feedback from**

- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

Try to include the method after getting the data from student..

- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

At the end of each semester, every student is asked to fill up the 'Feedback Proforma.

- c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

Alumni meets have been organized and suggestions are taken.

**43. List the distinguished alumni of the department (maximum 10):**

- Narender Kumar, Commissioner, I.T.O Office
- Sanjay Bansal, IPS
- Shahid Ahmad, Reader, Department of Economics, Jamia Millia Islamia University, Delhi
- Subita Dhaka, City Magistrate
- Sushma, Principal, Sant Jinda Kalyana College
- Narender Singh, Lt. Col., Indian Army
- Vikram Singh Dahiya, Civil Servant, Dy. Director, Railway Board 533-F, Rail Bhawan
- Dinesh Yadav, A.D.C. Kaithal
- Saroj Sharma, Principal, Gaur College of Education, Rohtak

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- ✚ While framing the curriculum Lecture Method self-learning and activities participated of students. 12.

**45. List the teaching methods adopted by the faculty for different programmes.**

Class Lecture, Tutorials, Group Discussion, Assignment & Presentations, Use of Interactive Boards, Practicals, Using modern teaching aids such as LCD Projector and power point presentation



**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Assessment is regular under taken in the Department.

**47. Highlight the participation of students and faculty in extension activities.**

- Extension Lecture Seminar/Conference of the student activities.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- N.A.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- N.A.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Conducted research on contempor issues.

**51. Future plans of the department.**

- To initiate new job oriental course.
- To strengthen the Quality of Research.
- To establish a Computer Lab. between the Industry and Department

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Regularity in classes
- b) Qualified Staff
- c) Good student teach passion

**B) Weakness:**

- a) Inadequate Space
- b) Lack of Computer Lab.

**C) Opportunities:**

- a) Emerging Scope of Economics
- b) Increased scope for research work

**D) Challenges:**










- a) Ensure credibility of the teaching learning environment
- b) Competition with the newly started private Institution.

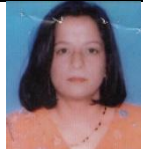

## Evaluative Report Department of Geography

1. **Name of the Department :** Geography
2. **Year of establishment:** 1983
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** MA, M.Tech.(Geo-informatics), M.Phil, Pre-PhD, Ph.D.
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** PG Diploma in Remote Sensing and GIS. Up-graded to M. Tech. (Geo-informatics)
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	-	02
Associate Professors	02	10
Asst. Professors	12	-

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Mohammad Izhar Hassan	Ph.D.	Professor & Head	Population Analysis in Geography	21	2	
Mrs. Nina Singh	Ph.D.	Professor	Urban Geography	28	-	
Mrs. Binu Sangwan	Ph.D.	Associate Professor	Agricultural Geography	21	-	
S K Bansal	Ph.D.	Associate Professor	Geomorphology, Environmental Geography, RS & GIS	21	4	
Sachinder	Ph.D.	Associate Professor	Political Geography	17	1	
K V Chamar	Ph.D.	Associate Professor	Rural Settlement and Transport Geography	17	1	
R S Sangwan	Ph.D.	Associate Professor	Urban Geog., Agricultural Geog, NHDM, Pop Geog, RS & GIS	26	-	
Inder Jeet	Ph.D.	Associate Professor	Water Resources	26	-	
Naresh Malik	M. Phil.	Associate Professor	Pop Geog, Geog of Tourism, RS & GIS	25	-	
Parmod Bhardwaj	Ph.D.	Associate Professor	Population Studies, RS & GIS	17	-	

Mrs Renu Arya	M. Sc.	Associate Professor	Social Geography	17	-	
Mehtab Singh	Ph.D.	Associate Professor	Environmental Studies, RS & GIS	17	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:** M.A.: 2.86:1  
M.Tech.: 7.5:1  
M.Phil& Pre. Ph.D.: 3.3:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	03	03
Administrative staff	02	02

**16. Research thrust areas recognized by funding agencies:** Population and social Development: Issues and Challenges, Environment-Development Interface

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Project	Name of the Principal Investigator	Grants Received	Funding Agency
Planning for conservation and management of natural resources at village level in Mahendergarh District (Haryana) using Remote Sensing and GIS Techniques	Dr. S. K. Bansal	Rs. 10.94 lacs	UGC

Sub-Regional Backwardness in India: A Case study of Mewat Region in Haryana	Dr. Nina Singh	Rs. 9.0 lacs	UGC
Modelling Land use land cover transformation of Rohtak City	Dr. Parmod Bhardwaj	Rs. 8.84 lacs	UGC

- 17. Inter-institutional collaborative projects and grants received** N.A.
- a) All India collaboration**
- b) International**
- 18. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:** UGC-SAP (70 lakh)
- 19. Research facility / centre with /** Nil
- state recognition
  - national recognition
  - international recognition
- 20. Special research laboratories sponsored by / created by industry or corporate bodies** Nil
- 21. Publications: (from 2008-2012)**
- \* **Number of papers published in peer reviewed journals (national / international):** 68
  - \* **Monographs:** Nil
  - \* **Chapters in Books:** 19
  - \* **Edited Books:** 02
  - \* **Books with ISBN with details of publishers:** 07
1. Population Geography, Rawat Publications, Jaipur, 2005, ISBN 81-7033-966-9.
  2. Dynamics of Urban Land Use: Ecology of Residential Mobility, Commonwealth Publishers, New Delhi, 2000, ISBN 81-7169-665-4.
  3. Rural-Urban Divide: changing Spatial Pattern of Social Variables, 2003, Concept Publishing Co., New Delhi, ISBN 81-8069-016-4.
  4. Urban-Rural Disparity in Literacy, Concept Publishing Co., New Delhi, ISBN 13:978-81-8069-856-9
  5. Water Resource Management, 2001, Manisha Publications, Delhi, ISBN 81-87740-01-9.
  6. Ground Water Resources of India, 2005, Mittal Publications, Delhi, ISBN 81-7099-972-3.
  7. Rain Water Harvesting, 2009, Mittal Publications, Delhi, ISBN 81-8324-322-3.

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** Nil
- \* **Citation Index – range / average:** Nil
- \* **SNIP:** Nil
- \* **SJR:** Nil
- \* **Impact Factor – range / average :** Nil
- \* **h-index:** Nil
- 22. Details of patents and income generated:** Nil
- 23. Areas of consultancy and income generated** Nil
- 24. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
- 25. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- One faculty member was on the Editorial Board of The Eastern Geographer, a journal of the Eastern Geographical Society. Still another faculty member is on the Editorial Board of Advance Journal of Geographical World.
- 26. Faculty recharging strategies**
- The department organizes extension lecture by inviting eminent scholars from other universities from time to time. In addition, the department also organizes workshops/ trainee programme at regular interval for the benefit for in service teachers. In addition, the department promotes participation of teachers in faculty development programmes and workshops/ seminars/ symposia organized by other universities.
- 27. Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**
    - ✚ Survey and field visit are part of the M.A. curricula. The students are required to prepare field visit report which is evaluated by experts at the time of end semester examination.
  - **percentage of students doing projects in collaboration with other universities / industry / institute**
    - ✚ The students of M. Tech. (Geo-informatics) are required to prepare project reports/ theses in the 3rd and 4th semesters. They do this in collaboration with HARSAC, Hisar.

**28. Awards / recognitions received at the national and international level by:**

- Faculty: 02
- Doctoral / Post-doctoral fellows: Nil
- Students: Nil

**29. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- A Ten-Day DST-NRDMS sponsored Workshop, May 16-25, 2011.
- A twenty one day Summer Trainee Programme sponsored by NRDMS, DST, New Delhi, May 28-June 17, 2012.

**30. Code of ethics for research followed by the departments**

- The department follows the norms set by the University from time to time

**31. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A. Geography	756	15	25	95%	95%
M.Tech. (Geo-informatics)	22	09	06	1st Batch	
M Phil/ Pre Ph.D.	131	10	10	95%	95%

**32. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A. Geography	90	7.5	2.5	----
M.Tech. (Geo-informatics)	66.67	26.67	6.66	----
M Phil/ Pre Ph.D.	85.72	9.52	4.76	----

**33. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- As many as 45 students cleared the UGC/CSIR-JRF/NET examination during the last three years. Further, during the session 2011-12 nearly 10 students of the department were selected for teaching positions in Govt. Colleges in Haryana by State Public Service Commission. In addition, another 13 students have been selected as teachers at School Cadre. Finally, 10 students have joined 'other services' with for example in Haryana Police, Staff Selection Commission etc.

**34. Student progression**

<b>Student Progression</b>	<b>Percentage%</b>
UG to PG*	NA
PG to M.Phil.*	42.50
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	NA
Entrepreneurs	Nil

**35. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same university	41.66
from other universities within the State	41.66
from universities from other States	16.67
from universities outside the country	Nil

**36. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** 02

**37. Present details of infrastructural facilities with regard to**

- a) **Library** Departmental library with 1300 books.
- b) **Internet facilities for staff and students:** 100%
- c) **Total number of class rooms :** 04
- d) **Class rooms with ICT facility:** 02
- e) **Students' laboratories:** 05
- f) **Research laboratories:** Nil

**38. List of doctoral, post-doctoral students and Research Associates**

- a) **from the host university:** 19 (Doctoral)
- b) **from other universities:** 08 (Doctoral)



**39. Number of post graduate students getting financial assistance from the university.**

- 28

**40. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- N.A.

**41. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

There is no formal mechanism for obtaining feedback from faculty on curriculum. However, their role is significant in the process of developing and revising course curricula and other matter related to course curricula from time to time.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Department obtains feedback from the student on prescribed proforma which includes specific question related to staff, curriculum and teaching-learning-evaluation in the department. This is done on a 4 point scale, and the averages pertaining to various aspects are worked out. This is discussed in the departmental committee meeting to devise remedial measures.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

No.

**42. List the distinguished alumni of the department (maximum 10):**

- Ms. Neeraj, Excise and Taxation Officer, Govt. of Haryana.
- Ms. Lata Hooda, District Town and Planning Officer, Rohtak
- Ms. Vinita Yadav, Assistant Professor, SPA, New Delhi.
- Mr. Lalit Hooda, ATP, Govt. of Haryana.
- Mr. Surendra Sahrawat, ATP, Govt. of Haryana
- Mr. Rajesh Kaushik, ATP, Govt. of Haryana
- Ms. Babita Saharma, ATP, Govt. of Haryana
- Ms. Tannu, Associate Professor, NCERT, New Delhi

- Mr. Sunil Dalal, Haryana Police Services
  - Mr. Naresh Attri, Assistant Professor in a University in the USA
- 43. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**
- Two special lectures were delivered by Dr D S Attri, Director, Environmental Monitoring and Research centre, Department of Earth Sciences, Govt. of India, on topics related to Climate Change.
  - Dr. Sudhir Thakur from California State University, USA, delivered a lecture on “Structure and Structural Change in India: A Fundamental Economic Structure Approach” in August 2010.
  - A Ten-Day DST-NRDMS sponsored Workshop, May 16-25, 2011.
  - A twenty one day Summer Trainee Programme sponsored by NRDMS, DST, New Delhi, May 28-June 17, 2012.
- 44. List the teaching methods adopted by the faculty for different programmes.**
- Classroom interactive learning using ICT
- 45. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**
- There is a provision of internal assessment in each theory paper. This consists of class test and term paper presentation. In addition, marks are also awarded to individual students of PG classes on account of the percentage classes attended. The learning outcomes are monitored with the help these measures.
- 46. Highlight the participation of students and faculty in extension activities.**
- The students of the department take part in extension activities by participating in ‘blood donation camps’ and other activities undertaken by Student’s Welfare Department of the university.
- 47. Give details of “beyond syllabus scholarly activities” of the department.**
- Nil.
- 48. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**
- No

**49. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The department has introduced a new PG level programme in Geo-informatics since 2008. This has helped in generating awareness among the post graduate students regarding the applications of RS and GIS in resource management.

**50. Future plans of the department.**

- The department has introduced two new courses viz. M. Sc. (Geo-informatics) and M. A. (Population Studies) with effect from the session 2012-13. The department has received financial assistance from the UGC under SAP in the areas of interrelations between population and development this year. The department intends to bring Population Research Centre from CRRID, Chandigarh to MD U Rohtak. With this the department will emerge as an important centre for research in population studies.

**51. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) Diverse specialization of teaching staff covering wide spectrum of physical and human geography.
- b) Research input in the department is of high quality.
- c) Resource base including infrastructure in the department is strong.
- d) Regular updating and revision of syllabi incorporating issues pertaining to contemporary socio-economic, political and environmental issues.
- e) Quality of teaching reflected in the number of JRF/ NET in the subject every year.

**B) Weakness:**

- a) Absence of placement cell in the department.
- b) The students come from colleges from nearby areas. Lack adequate exposure to outside world and poor communication skills among the students are serious weakness.
- c) The Departmental Library does not have space for reading hall.
- d) Effective teaching at the UG and PG level requires display of relevant 'models' pertaining to various dimensions of physical and human geography. Due to lack of funds the department has not been able to procure them.

**C) Opportunities:**

- a) Remote Sensing and GIS are fast emerging as important tools in resource analysis. We have introduced an M. Tech. /M.Sc. in Geo-informatics in our department. In addition, we have incorporated the component on Remote Sensing and GIS as a compulsory part in the syllabi of MA programme. This will help our mainstream students also in job market.
- b) With the introduction of a new PG level course in Population Studies, the department intends to build itself as a major centre of research in related fields.

**D) Challenges:**

- a) In the era of globalization and privatization, shift in the focus from humanities and social sciences to job oriented courses.
- b) Continuation of Master's level teaching of Geography through distance mode is a serious threat to the discipline.

## Evaluative Report Department of History

1. **Name of the Department :** History
2. **Year of establishment:** 1978
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** MA, M.Phil, Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	01	--
Associate Professors	01	01
Assistant Professors	07	06

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Amar Singh	M.A., Ph.D.	Professor & Head	Ancient Indian History Culture & Archaeology Regional History (Hry.)	26	-	
Dr. Manmohan Kumar	M.A., Ph.D.	Professor	Ancient Indian History Culture & Archaeology	32	3	
Dr. Nirmal Kashyap	M.A., Ph.D.	Professor	Medieval Indian History	24	1	
Dr. J. S. Dhankhar	M.A., Ph.D.	Associate Professor	Modern Indian History	21	3	
Dr. Urvashi Dalal	M.A., Ph.D.	Associate Professor	Medieval Indian History	33	-	
Dr. Vijay Kumar	M.A., Ph.D.	Associate Professor	Ancient Indian History	19	2	
Dr. Bindu Mattoo	M.A., Ph.D.	Associate Professor	Medieval Indian History	24	2	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** 20

**14. Programme-wise Student Teacher Ratio:** M.A.: 18:1

M.Phil: 2:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	01	01
Administrative staff	02	03

**16. Research thrust areas recognized by funding agencies:** Archaeology

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Title of the Project	Duration	Funding Agency	Grant sanctioned
Madina	2007-08	Arch. Survey of India	1 lac
Excavation at Badli, Distt. Jhajjar (Haryana)	2007-08 & 2008-09	University of Delhi, Delhi & M.D. University, Rohtak	2 lacs
Excavation at Manheru, Distt. Bhiwani (Haryana)	2008-09	-do-	2 lacs
Farmana	2008-09 & 2009-10	Dept. of A.I.H.Cs Arch. Deccan College Pune Research Institute & Humanity & Nature Kyoto.	
Excavation at Meham, Dist. Rohtak (Haryana)	2009-10	University of Delhi, Delhi & M.D. University, Rohtak	2 lacs
Mitathal	2010-11	Dept. of A.I.H.C & Arch. Deccan College Pune & Research Institute of Humanity & Nature, Kyoto.	
Excavation at Lohat, Dist. Jhajjar (Haryana)	2010-11 & 2011-12	University of Delhi, Delhi & M.D. University, Rohtak	2 lacs
Mitathal	2011-12	-do-	2 lacs
		Research Institute of Humanity & Nature, Kyoto	

<b>18. Inter-institutional collaborative projects and grants received</b>	Same as in Point 17
<b>a) All India collaboration</b>	
<b>b) International</b>	
<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:</b>	Nil
<b>20. Research facility / centre with /</b>	Nil
• state recognition	
• national recognition	
• international recognition	
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>	Nil
<b>22. Publications: (from 2008-2012)</b>	
* Number of papers published in peer reviewed journals (national / international):	15
* Monographs:	04
* Chapters in Books:	Nil
* Edited Books:	Nil
* Books with ISBN with details of publishers:	Nil
* Number listed in International Database (For <i>e.g.</i> Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):	Nil
* Citation Index – range / average:	Nil
* SNIP:	Nil
* SJR:	Nil
* Impact Factor – range / average :	Nil
* h-index:	Nil
<b>23. Details of patents and income generated:</b>	Nil
<b>24. Areas of consultancy and income generated</b>	Nil
<b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>	
• Nil	



**26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**

- Dr. Vijay Kumar serving as General Secretary, National Co-ordination Committee for Revision of Reservation Policy.
- Dr. Amar Singh, Member Editorial Board M.D. University Research Journal (Arts)

**27. Faculty recharging strategies**

- The teachers of the Department attend the National and International seminars/conferences to acquaint themselves with the latest trends and new researches.

**28. Student projects**

- **percentage of students who have done in-house projects including inter-departmental projects**

✚ N.A.

- **percentage of students doing projects in collaboration with other universities / industry / institute**

✚ N.A.

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** Nil
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** 02

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Seminar:

- The Dept. conducted a one day seminar on 24.11.2009, in collaboration with Ch. Ranbir Singh Centre for Haryana Studies (MDU) and Sir Chhotu Ram Chair (MDU) on the title 'Sir Chhotu Ram life and achievements'.
- The Dept. conducted a national seminar on 30.01.2009 on the 'Policies & Programmes of Sir Chhotu Ram: Their Relevance Today' in collaboration with the Centre for Haryana Studies and Sir Chhotu Ram Chair (MDU), Rohtak.
- The Department conducted a National Seminar on the theme "Dr. Ambedkar: Mission & Vision" on 28th March 2011 under the aegis of Dr. Ambedkar Chair.
- The Department Conducted a National Seminar on the theme "Quest for equality Dr. Ambedkar's insight into the Underprivileged Masses" on 27th March 2012 under the aegis of Dr. Ambedkar Chair.
- The Dept. conducted a one day seminar on 7.02.2011, in collaboration with the Centre for Haryana Studies (MDU) and Sir Chhotu Ram Chair (MDU). Funding for this was borne by Sir Chhotu Ram Chair

Extensions lectures:

- ‘Recent Trends in Regional History’ by Prof. Chattar Singh, K.U.K. 14.03.2012.
- ‘Banawali: An Important Harappan site in Haryana’- by Dr. R.S. Bisht, A.S.I. New Delhi 13.2.2012.
- ‘Rajasthan at a Glance’ by Prof. Sunita Zaidi 13.02.2012.
- ‘Sir Chhotu Ram: His life and works’ by K.C. Yadav 29.3.2012.

Workshop:-

- The Dept. organized a one day workshop on ‘Historiography on Nationalism’ on 26.03.2011. Main Speakers: Prof. Salil Mishra, Ambedkar University, Delhi and Prof. S.B. Updhayaya, IGNOU, Delhi.

### 31. Code of ethics for research followed by the departments

- Objectivity, Sincerity & Originality are the part of code of ethics for Research pursued in the Department

### 32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	793	173	107	54.33%	59.80%
M.Phil.	300	26	22	92.31%	100%
Pre Ph.D.	02	01	01	100%	100%
Ph.D.	18	11	07	--	--

### 33. Diversity of students:

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	93.5	6.5	0	--
M.Phil.	88.1	11.9	0	--
Pre Ph.D.	--	50	50	--
Ph.D.	86.6	6.6	0	6.6

### 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- Data not available

**35. Student progression**

<b>Student Progression</b>	<b>Percentage%</b>
UG to PG*	NA
PG to M.Phil.*	20-25%
PG to Ph.D.	6-8%
Ph.D. to Post-Doctoral	NA
Employed Campus selection Other than campus recruitment	Data not available
Entrepreneurs	Nil

**36. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same university	28.6%
from other universities within the State	28.6%
from universities from other States	42.8%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**38. Present details of infrastructural facilities with regard to**

- |   |                      |
|---|----------------------|
| a) <b>Library</b>                                     | Departmental library |
| b) <b>Internet facilities for staff and students:</b> | N.A.                 |
| c) <b>Total number of class rooms :</b>               | 03                   |
| d) <b>Class rooms with ICT facility:</b>              | Nil                  |
| e) <b>Students' laboratories:</b>                     | Nil                  |
| f) <b>Research laboratories:</b>                      | Nil                  |

**39. List of doctoral, post-doctoral students and Research Associates**

- |  |               |
|--|---------------|
| a) <b>from the host university:</b>  | 13 (Doctoral) |
| <ul style="list-style-type: none"> <li>✚ Bala Devi, Sheela Kumari, Nirmal Kumari, Mumtaz, Jai Parkash, Roshan Lal, Vivek Dangi, Sajjan Kumar, Kusum, Subhash Kumar, Manju Rani, Usha, Yashvir</li> </ul> |               |
| b) <b>from other universities:</b>   | 02 (Doctoral) |
| <ul style="list-style-type: none"> <li>✚ Suresh Kumar, Phan Dong Thien</li> </ul>  |               |

**40. Number of post graduate students getting financial assistance from the university.**

- Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- N.A.

**42. Does the department obtain feedback from**

**a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

The department obtains feedback from the students and this feedback is utilized for the revision of curriculum and to improve teaching method.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

The Dept. also obtains feedback from the students and this feedback is utilized for the improvement of teaching methods.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

N.A.

**43. List the distinguished alumni of the department (maximum 10):**

- Dr. S.S. Boora, Prof. Dept. of Tourism, Kurukshetra University, Kurukshetra.
- Sh. Suresh Kumar Bodwal, HCS, DTO, Ambala.
- Sh. Satish Kumar, HCS, SDM Sirsa.
- Sh. Harvinder Malik, an Artist.
- Dr. Anju Khanna, Associate. Prof. (History), Law Department, M.D.U, Rohtak.
- Dr. T. Pardhan OAS, Govt. of Orissa.
- Dr. R.K. Bhardwaj, Principal (Retd.), Gaur Brahmin College, Rohtak.
- Mr. Suresh Mehra, Regional Manager, G.I.C.(New Delhi)

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Same as Point 30

**45. List the teaching methods adopted by the faculty for different programmes.**

- The teachers of the department use power point presentation wherever necessary. The teachers of Archaeology show the actual artifacts and coins to the students. In addition to that the students are taken to Museums and other historical places

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Under the IQAC programme the department regularly taken the feedback from the students.

**47. Highlight the participation of students and faculty in extension activities.**

- The Faculty of the Dept. regularly delivered extension lectures on various themes of History in the affiliated and other colleges and Universities in Haryana as well as outside Haryana. The Research Scholars of the Dept. also participate in the seminars and conferences held in various universities and colleges of Haryana and other states.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- The Faculty of the Dept. regularly delivered extension lectures on various themes of History in the affiliated and other colleges in Haryana as well as outside Haryana. Also conducted Archaeology Excavations at different ancient sites in Haryana.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- N.A.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The Department annually engaged itself in the Archeological Excavations and exploration in Haryana as well as adjoining states of Haryana viz Punjab, Rajasthan, Delhi etc. which generates new knowledge.

**51. Future plans of the department.**

- In order to strengthen the Departmental Library more books and titles shall be acquired.
- More research journals shall be subscribed.

- To purchase interactive boards for the class rooms.
- Use of audio-visual aids in teaching
- To establish more informative chronologically and rich in artifacts archaeological museum which is already existed with the department.
- To provide internet connection to each of the faculty members.
- To develop a computer lab in the department.
- To enhance E-Learning facility in the department.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Teachers with specialization in different streams of History
- b) Excavations and explorations in the field of Archaeology
- c) Museum with good collection
- d) Periodic updating of curriculum in line with UGC guidelines
- e) Old Newspapers and Reports on them on Microfilm

**B) Weakness:**

- a) Absence of Global Exposure to the Faculty & Students
- b) Absence of E-learning facilities
- c) Physical Space shortage
- d) Insufficient faculty & Staff
- e) Dearth of Audio-Visual Material.

**C) Opportunities:**

- a) Relatively more demand for teachers/Researchers with Educational Expansion
- b) Archaeologists, Archivist, Tourism professionals (Tourism Products) needed in Provincial , National offices and Research Institutes
- c) Need of Historical Knowledge for all competitive exams.
- d) Collaboration with Japan-Based Institute, Deccan College & University of Delhi.

**D) Challenges:**

- a) Demotivation due to decline in importance of Social Sciences.
- b) Applied knowledge being given priority over academic learning.
- c) Political Interference in Historical research on Leaders and Communities.
- d) Quality Distance and Open Learning.

## Evaluative Report





### Department of Library and Information Science

- |   |   |
|---|---|
| <b>1. Name of the Department :</b>  | Library and Information Science           |
| <b>2. Year of establishment:</b>  | 2010                                      |
| <b>3. Is the Department part of a School/Faculty of the university?</b>   | Yes                                       |
| <b>4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):</b> | M.L.I.Sc. 2-year<br>Integrated, Pre-Ph.D. |
| <b>5. Interdisciplinary courses and departments involved:</b>   | Nil                                       |
| <b>6. Courses in collaboration with other universities, industries, foreign institutions, etc. :</b>                  | NIL                                       |
| <b>7. Details of programmes / courses discontinued, if any, with reasons:</b>   | NIL                                       |
| <b>8. Annual/ Semester/Choice Based Credit System:</b>  | Semester System                           |
| <b>9. Participation of the department in the courses offered by other departments:</b>                                | NIL                                       |

**10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	-	-
Associate Professors	01	-
Assistant Professors	04	03

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Prem Singh	M.Sc. (Chemistry); M.L.I.Sc.	Professor & Head	ICT, Library Management, Knowledge Organization	17	-	
Ms. Pinki Sharma	M.L.I.Sc.; M Phil. (Lib. & Info. Science)	Assistant Professor	ICT, Research Methods, E-resource Management	2	-	
Mr. Anil Kumar Siwach	M.L.I.Sc.; M.Sc. (H.S.) Anthropology	-do-	Reference Sources, Library Cataloguing, Lib. & Society	2	-	
Dr. Sanjeev Kadyan	M.L.I.Sc., P.h.D. (Lib. & Info. Science)	-do-	Knowledge Organization, Information Retrieval	2	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information**

Nil

**14. Programme-wise Student Teacher Ratio:**

15:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**



	Sanctioned	Filled
Technical staff	-	-
Administrative staff	-	-

**16. Research thrust areas recognized by funding agencies:**

Nil



<b>17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.</b>	
• Nil	
<b>18. Inter-institutional collaborative projects and grants received</b>	Nil
<b>a) All India collaboration</b>	
<b>b) International</b>	
<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:</b>	Nil
<b>20. Research facility / centre with /</b>	Nil
• state recognition	
• national recognition	
• international recognition	
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>	Nil
<b>22. Publications: (from 2008-2012)</b>	
* <b>Number of papers published in peer reviewed journals (national / international):</b>	08
* <b>Monographs:</b>	Nil
* <b>Chapters in Books:</b>	15
* <b>Edited Books:</b>	04
* <b>Books with ISBN with details of publishers:</b>	01
✚ Siwach, Ajit, Prem Singh, et. al., ed. Approaches to Modern Librarianship. Delhi: Sanjay Prakashan, 2006. 352p. ISBN No. 9788174532152 and 8174532153).	
* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>	Nil
* <b>Citation Index – range / average:</b>	Nil
* <b>SNIP:</b>	Nil
* <b>SJR:</b>	Nil

- \* **Impact Factor – range / average :** Nil
- \* **h-index:**
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- The Professor & Head of the Department has visited U.S.A. twice. First time as Fulbright Scholar and second time with financial assistance from World Bank. He has also visited U.K. twice with financial assistance from British Council and World Bank
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Nil
- 27. Faculty recharging strategies**
- Use of latest ICT technologies, Deputation of faculty to attend development programmes, workshops, refresher courses, seminars, conferences etc.
- 28. Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**  
 N.A.
  - **percentage of students doing projects in collaboration with other universities / industry / institute**  
 N.A.
- 29. Awards / recognitions received at the national and international level by:**
- **Faculty:** Nil
  - **Doctoral / Post-doctoral fellows:** 01
  - **Students:** Nil
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**
- Nil
- 31. Code of ethics for research followed by the departments**
- Yes, as per code and ethics defined by University, Annexure-IV which will be shown to NAAC team during visit.

**32. Student profile course-wise: (M.L.I.Sc. 2-Year Integrated)**

Name of the Course(refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2010-11	47	18	12	100%	100%
2011-12	28	14	11	100 %	100 %

**33. Diversity of students: (M.L.I.Sc. 2-Year Integrated)**

Name of the Course(refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2010-11	93.33%	3.33%	3.33	-
2011-12	60%	40%	-	-

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- Nil

**35. Student progression**

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	-
• Campus selection	10%
• Other than campus recruitment	
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the State	33.33%

from universities from other States	66.66%
from universities outside the country	Nil

- 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil
- 38. Present details of infrastructural facilities with regard to**
- |   |                 |
|---|-----------------|
| a) <b>Library</b>                                     | Central library |
| b) <b>Internet facilities for staff and students:</b> | 100%            |
| c) <b>Total number of class rooms :</b>               | 02              |
| d) <b>Class rooms with ICT facility:</b>              | 02              |
| e) <b>Students' laboratories:</b>                     | 01              |
| f) <b>Research laboratories:</b>                      | 01              |
- 39. List of doctoral, post-doctoral students and Research Associates**
- |                                     |      |
|-------------------------------------|------|
| a) <b>from the host university:</b> | N.A. |
| b) <b>from other universities:</b>  | N.A. |
- 40. Number of post graduate students getting financial assistance from the university.**
- 02
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
- Yes. Consulted other universities/Institutes and CDC Report for curriculum development and finally a critical review was obtained from the subject experts before finalization
- 42. Does the department obtain feedback from**
- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**
- Faculty feedback is taken in weekly staff meetings. The feedback is taken into consideration in the meetings of Committee for the revision of syllabus, design/redesign courses as well as to include new concepts and thoughts.
- b) **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Through feedback Performa before the dispersal of classes in each semester. Feedbacks from students are taken into consideration in the meetings of committee, for designing of course content, syllabi, examination methods, to analyses teachers involvement, quality of teaching, facilities of library and laboratories etc.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes**

Not applicable since the Department was established in 2010 and first batch is yet to pass out.

**43. List the distinguished alumni of the department (maximum 10):**

- N.A.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

S. No.	Title of the Lecture	Delivered By	Date
1.	Computer Literacy	Dr. Nasib Singh Gill	24.11.10
2.	RFID Application in Libraries	Mr. Amit Aggarwal	29.11.10
3.	Recent Trends in Libraries and Open Sources	Dr. K. Veeranjanyulu	24.02.11
4.	Relevance of Five Laws in Digital Environment	Dr. RajpalLohan	05.03.11
5.	E-resources	Dr. K. Veeranjanyulu	25.08.11
6.	(i) Marketing of LIS Product and Services (ii) Personality Development	Dr. R.K. Bhatt	25.02.12
7.	(i) Different sections of Library and Information Centers and their Functions (ii) Recent ICT Technologies and their application in Libraries	Dr. K. Veeranjanyulu	29.02.12

**45. List the teaching methods adopted by the faculty for different programmes.**

- Smart class rooms equipped with Interactive Digital Panels, e-podiums, LCD projectors, Speakers and Online facility

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Through internal assessment and as per IQAC guidance.

**47. Highlight the participation of students and faculty in extension activities.**

- The students participate in various events organized by the University.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Hands-on-experience under earn while you learn (Total 38 students received training from 08.12.11 to 22.02.11).
- Educational tours
- Extension Lectures Organized ( Please refer point no. 43 for details)
- Quiz Contest: Students of this Department participated in the University Level Quiz contest held on 23rd March 2011 on occasion of Sahidi Diwas every year since its inception.
- Tracking Camp: Two students of this Department participated in tracking camp organized by the University from 10-feb-2012 to 22-02-2012 in Narkanda Himachal.
- Besides regular teaching, the students also participate in cultural, co-curricular/ activities as and when organized by the Department or University such as:
  - ✚ Students of the Department participated in the Rangoli Competition organized on the Occasion of International Women’s Day 2011 and obtained third prize.
  - ✚ One student of this Department was selected for Zonal Youth Festival 2011 in Solo Dance Category.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Yes, NAAC

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- N.A. since the Department was established in 2010 and not offering research program. The Department is planning to start the research program.

**51. Future plans of the department.**

- Organization of Refresher Course
- Academic plan for the next semesters will be prepared in advance and the same along with the reading list will provided to the students in the beginning of the Semester
- Two educational trips will be organized
- Four Extension lectures will be arranged, 2 for each semester

- Two PTA meeting will be arranged, one in each semester.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) The diverse specializations of the already working faculty in the department in terms of research as well as modern teaching methods and internet skills etc. are exemplary.
- b) Well-equipped state-of-the-art classrooms
- c) Ultra-modern computer lab

**B) Weakness:**

- a) The teaching faculty members are not adequate.
- b) Lack of administrative and technical staff
- c) Separate building for the department.

**C) Opportunities:**

- a) Planning to start research in the subject.

**D) Challenges:**

- a) The intake in the course should be qualitatively improved.
- b) Job opportunities being restricted as stated above.
- c) All the weakness as quoted above need to be redressed immediately for the improvement and growth of the department being newly created.




## Evaluative Report Department of Political Science

1. **Name of the Department :** Political Science
2. **Year of establishment:** 1976
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** MA, M.Phil, Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	-	-
Associate Professors	02	02
Asst. Professors	04	01



**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Rajendra Sharma	Ph.D.	Associate Professor	Indian Govt. and Politics	15	1	
Dr. Ranbir Singh Gulia	Ph.D. in Political Science, Ph.D. in Economics	Assistant Professor	International Politics	10	3	
Dr. Usha Kiran	Ph.D.	Associate Professor	Comparative Govt. & Politics, Indian Politics		-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

Prof. Subroto Mukherji (Visiting Fellow), Prof. Partap Singh (Emeritus)

**13. Percentage of classes taken by temporary faculty – programme-wise information**

Nil

**14. Programme-wise Student Teacher Ratio:**

M.A.: 40:1  
M.Phil: 3:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	-	-
Administrative staff	02	02

**16. Research thrust areas recognized by funding agencies:**

Nil

<b>17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.</b>	
<ul style="list-style-type: none"> <li>• Major Project: RTI, Sponsored by UGC Grant received Rs.5,42000/-</li> <li>• Minor Project: Dr. Radha Krishnan Foundation Fund, Grant received Rs. 10,000/-</li> </ul>	
<b>18. Inter-institutional collaborative projects and grants received</b>	Nil
<b>a) All India collaboration</b>	
<b>b) International</b>	
<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:</b>	Nil
<b>20. Research facility / centre with /</b>	Nil
<ul style="list-style-type: none"> <li>• state recognition</li> <li>• national recognition</li> <li>• international recognition</li> </ul>	
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>	Nil
<b>22. Publications: (from 2008-2012)</b>	
* <b>Number of papers published in peer reviewed journals (national / international):</b>	21
* <b>Monographs:</b>	Nil
* <b>Chapters in Books:</b>	Nil
* <b>Edited Books:</b>	Nil
* <b>Books with ISBN with details of publishers:</b>	01(Power Elite In Indian Society, Jaipur, Rawat Publications, 1998; ISBN – 81-7033-547-3)
* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>	Nil
* <b>Citation Index – range / average:</b>	Nil
* <b>SNIP:</b>	Nil

- \* **SJR:** Nil
- \* **Impact Factor – range / average :** Nil
- \* **h-index:**
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- One faculty member is a member of UG Board of Studies in other university
- 27. Faculty recharging strategies**
- The faculty attends refresher course and orientation courses in various universities. The faculty also participates in seminars and workshops organized by the university and other universities.
- 28. Student projects**
- **percentage of students who have done in-house projects including inter-departmental projects**  
N.A.
  - **percentage of students doing projects in collaboration with other universities / industry / institute**  
N.A.
- 29. Awards / recognitions received at the national and international level by:**
- **Faculty:** 01
  - **Doctoral / Post-doctoral fellows:** Nil
  - **Students:** Nil
- 30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**
- One workshop on Citizen Charter: Instruments of Good Governance on Feb. 22, 2012, funded by Dr. Radhakrishnan Foundation Fund, M.D. University, Rohtak.
- 31. Code of ethics for research followed by the departments**
- The department emphasize on conduct original research by the teachers as well as the students. The researchers are advised to take up in research in new areas of the subject

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	216	23	37	--	--
M.Phil.	221	04	07		

**33. Diversity of students:**

Name of the Course(refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	90%	9%	1%	--

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- UGC-NET: 20 students
- State Services: 30 Students

**35. Student progression**

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	25%
PG to Ph.D.	05%
Ph.D. to Post-Doctoral	NA
Employed	Nil
• Campus selection	70 %
• Other than campus recruitment	
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	70%
from other universities within the State	Nil

from universities from other States	30%
from universities outside the country	Nil

- 37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil
- 38. Present details of infrastructural facilities with regard to**
- |   |                 |
|---|-----------------|
| a) <b>Library</b>                                     | Central library |
| b) <b>Internet facilities for staff and students:</b> | 100 %.          |
| c) <b>Total number of class rooms :</b>               | 02              |
| d) <b>Class rooms with ICT facility:</b>              | Nil             |
| e) <b>Students' laboratories:</b>                     | Nil             |
| f) <b>Research laboratories:</b>                      | Nil             |
- 39. List of doctoral, post-doctoral students and Research Associates**
- |                                     |               |
|-------------------------------------|---------------|
| a) <b>from the host university:</b> | 20 (Doctoral) |
| b) <b>from other universities:</b>  | --            |
- Jai Singh, Balwan Singh, Rakesh, Ramesh, Kavita, Kuldeep, Sunil, Nisha, Mehar Singh, Dharmender, Anita, Sunita, Ravinder, Sunita, Ritu, Sushil, Neelam Rajni, Rakesh, Rekha, Ravi
- 40. Number of post graduate students getting financial assistance from the university.**
- 50
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
- The programmes for M.A. and M.Phil have been revised in a manner that it helps the students in various competition examinations such as UGC, NET, JRF and examinations for school teaching and college lecturers.
- 42. Does the department obtain feedback from**
- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes
- the faculty is involved in the preparation of the curriculum and feedback on the curriculum is also received from the members of the UG and PG Board of Studies.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

regular student's feedback is received from the students every year through assessment by the faculty and staff of the department. The department after receiving the feedback takes remedial measures to overcome the shortcomings.

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Alumni meets are held in order to maintain a relation with ex-students and encourage them to keep association with the department and make their contribution to the programmes of the departments.

**43. List the distinguished alumni of the department (maximum 10):**

- Dr. Raj Kumar
- Dr. Ranbir Singh Gulia
- Dr. Usha Kiran
- Dr. Sewa Singh Dahiya
- Dr. Anjana Garg
- Dr. Sashi Mehra

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- One Lecture by Prof. Rajiv Bhatia in February, 2011 on Indian Foreign Policy
- One Lecture by Prof. Yogender Singh in August, 2012 on Globalization and Indian Society

**45. List the teaching methods adopted by the faculty for different programmes.**

- Basically it is a lecture mode of teaching

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- There is continuous assessment of what is being taught and through these assessment processes one learns about the outcomes of what is taught.

**47. Highlight the participation of students and faculty in extension activities.**

- The students and teachers participate in various seminars, lectures organized by the department as well as activities conducted other departments.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- The students of the departments participate in various programmes organized by the national service scheme. Some of them have participated in camps organized at far of places like Arunachal Pradesh and Jammu and Kashmir. The students also have participated in quiz programmes organized by other departments.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- There is no separate accreditation of the department apart from that of the university itself.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The faculty and the research scholars of the department are engaged in generating knowledge about Haryana society and politics by undertaking research studies in areas such as Panchayati Raj, Empowerment of Women, Issues relating to the Dalits and Indian Democracy.

**51. Future plans of the department.**

- Presently the department has only three faculty members and the process of recruiting-appointing more faculty members is underway, once the department has full faculty strength it plans to apply for programmes such as SAP.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) The department is engaged in empowering the women as 50 per cent of the strength of the students comprise of girl students.
- b) Our department caters enhancing the skills of the students of the department who mostly belong to rural areas of our society.
- c) Despite the slowdown of the Indian Economy our students have done well in achieving gainful employment in various sectors of the economy.

**B) Weakness:**

- a) The major weakness of the department is the paucity of sufficient faculty members. The Department has just three faculty members at present and is in need of at least 3 to 4 more faculty members so that the process of teaching could be carried efficiently.
- b) Some of our students are also our weakness in the sense that the students from rural areas are not in a position to compete for jobs in the emerging areas of the economy.

**C) Opportunities:**

- a) The students of the department have excelled in getting jobs in teaching in Government schools, colleges, etc. despite the slowdown of the global economy, traditional, professions like teaching have not suffered. There are opportunities for doing well in the teaching profession.

**D) Challenges:**

- a) The major challenge before the department is in imparting skills that empower our students for jobs in those areas which are part of the new economy.



## Evaluative Report Department of Psychology

- |   |   |
|---|---|
| <b>1. Name of the Department :</b>  | Psychology  |
| <b>2. Year of establishment:</b>  | 1983  |
| <b>3. Is the Department part of a School/Faculty of the university?</b>   | Yes   |
| <b>4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):</b> | MA, M.Phil, Pre-PhD, Ph.D., Post Graduate Diploma in Guidance and Counseling, (PGDGC), Post Graduate Diploma of Psychology in Organizations (PGDPO) |
| <b>5. Interdisciplinary courses and departments involved:</b>   | NIL   |
| <b>6. Courses in collaboration with other universities, industries, foreign institutions, etc. :</b>                  |   |





There is no collaboration in courses with other universities/ industries/ foreign institutions in the form of MoU. But the students regularly visit the following departments for practical training Purposes.


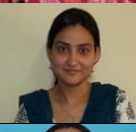



- ARPAN Institute for Mental Retardation, Rohtak
- SHARAVAN, Institute of Mental Retardation, Rohtak.
- State Institute for Rehabilitation, Training, and Research, Rohtak.
- Department of Radiology, Anatomy and Psychiatry, Pt.B.D.S. Health University, Rohtak.
- LPS Bossard, Rohtak
- Jagmohan Motors, Rohtak.
- BTM Bhiwani
- Chinar Sintex Ltd, Bhiwani, etc.
- This training is in the field of Mental Retardation, Clinical Psychology, Neuropsychology and Industrial / Organizational Psychology

7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** MA, M.Phil, Pre-Ph.D.: Semester System  
PGDGC & PGDPO: Annual
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	02	02
Associate Professors	01	01
Asst. Professors	13	13

11. **Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Rajbir Singh	Ph. D	Professor	Biology of Behavior	30	05	
Dr.(Mrs) Sunita Malhotra	Ph. D	Professor	Social and Health Psychology	32	06	
Dr.(Mrs) Promila Batra	Ph. D	Professor	Environmental Health Psychology & Counseling	29	06	
Dr.(Mrs) Amrita Yadav	Ph. D	Professor	Cognitive & Health Psychology	30	05	

Dr. Nov Rattan Sharma	Ph. D.	Professor	Personality & Health	29	12	
Dr. Radhey Shyam	Ph. D.	Professor	Clinical & Health Psychology	24	06	
Dr.(Mrs) Shalini Singh	Ph. D.	Associate Professor	Organizational & Health Psychology	19	04	
Dr. (Mrs) Sonia Malik	M.Phil, Ph. D.	Associate Professor	Positive Psychology & O.B	25	--	
Dr. Deepti Hooda	Ph. D.	Assistant Professor	Personality & Health	06	--	
Dr.(Mrs) Madhu Anand	Ph. D.	Associate Professor	Health & School Psychology & O.B	30	--	
Dr. Sarvdeep Kohli	Ph. D.	Associate Professor	Clinical & Health Psychology	24	--	
Dr. Anjali Malik	Ph. D.	Associate Professor	Health & School Psychology	21	--	
Sh. Bijender Singh	M. Phil	Associate Professor	Clinical Personality	21	--	
Dr.(Mrs) Punam Midha	Ph. D.	Associate Professor	Positive Psychology	26	--	
Dr.(Mrs) Arunima Gupta	Ph. D.	Associate Professor	Clinical & Health Psychometry	20.5	--	
Ms. Shashi Rashmi	M. Phil	Assistant Professor		07 months	--	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors**

- Following visiting fellows visited the department under DRS-II under SAP of UGC

2007-08	Prof. P.K. Rai, Sagar; Prof. Vandana Sharma Patiala; Dr. Anjali, Allahabad; Dr. Kamlesh Singh, IIT Delhi
2008-09	Prof. Aradhana Shukla, Almora; Prof A.K. Sen, Delhi; Prof C.R. Darolia, Kurukshetra; Prof. R.S Singh, Rewa; Prof. R.P Singh, Jodhpur
2009-10	Prof. Jitendra Mohan, Chandigarh; Prof K. Sivasankara Reddy, Tirupati; Prof. P.C. Mishra, Lucknow; Prof. U.C Jain, Bhopal; Dr. Swaha Bhattacharya, Kolkata
2010-11	Prof. Basavarajappa, Mysore; Prof. John Baby, Calicut; Prof. L.Sam S. Manickam, Mysore; Dr. Ashraf, Calicut; Dr. Prajeesh, P. Kerala

**13. Percentage of classes taken by temporary faculty – programme-wise information** Nil

**14. Programme-wise Student Teacher Ratio:**

M.A.: 4.5:1  
M.Phil: 5:1  
PGDPO: 3:1  
PGDGC: 4:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	05	05
Administrative staff	02	02

**16. Research thrust areas recognized by funding agencies:** Health and Positive Psychology

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Name of Faculty	Year	Funding Agency	Grant Received
Dr. Shalini Singh	2010-11	Dr. Radhakrishnan Foundation fund MDU, Rohtak	10,000/-

- 18. Inter-institutional collaborative projects and grants received** Nil
- a) All India collaboration
- b) International

- 19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:**

S.No.	Name of Funding Agency	Year	Grant Sanctioned (Rs.)
1.	UGC-SAP (DRS – I )	2004-2009	10,44,578 + 01 Project fellow
2.	UGC-SAP (DRS – II )	2009-2014	33,87,200 + 02 Project fellow

- 20. Research facility / centre with /** Nil
- state recognition
  - national recognition
  - international recognition
- 21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil
- 22. Publications: (from 2008-2012)**
- \* **Number of papers published in peer reviewed journals (national / international):** 106
  - \* **Monographs:** 02
  - \* **Chapters in Books:** 27
  - \* **Edited Books:** 12
  - \* **Books with ISBN with details of publishers:** 01 (Modern Cognitive Psychology (2008) Haryana Sahitya Academy, Panchkula. 978-81-906078-8-9)
  - \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** Nil
  - \* **Citation Index – range / average:** Nil
  - \* **SNIP:** Nil
  - \* **SJR:** Nil

\* **Impact Factor – range / average :** Nil

\* **h-index:**

**23. Details of patents and income generated:** Nil

**24. Areas of consultancy and income generated**

The department offers consultancy in the following areas:

- Parenting
- Depression/ OCD
- Emotional Maladjustment in family/ work place
- Psycho-diagnostics
- School Counseling

However, no income is generated for the above mentioned consultancy areas

**25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**

- Nil

**26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**

Prof. Rajbir Singh

- Founder Editor (since 2006), Journal of Indian Health Psychology ( Bi- Annual Journal) New Delhi: Global Vision.
- Member, Advisory Board, Disabilities and Impairments: An Interdisciplinary Research Journal.
- Member, Editorial Consultants, Indian Journal of Community Psychology.
- Member, Editorial Consultants, Journal of Indian Association of Applied Psychology.

Prof. Sunita Malhotra

- Member, Journal of Psychology and Education.
- Member, Journal of Health and Well- Being.

Prof. Promila Batra

- Member, M.D University Research Journal (Arts).
- Member, Journal of Positive Psychology.

Prof. Nov Rattan Sharma

- Editor, Journal of Indian Health Psychology (bi- annual)

Prof. Radhey Shyam

- Editor, Indian Journal of Psychology and Education.
- Member, Journal of Indian Academy of Applied Psychology.

- Member, Indian Journal of Psychology and Mental Health.
- Member, SIS Journal of Projective Psychology and Mental Health.
- Member, Indian Journal of Positive Psychology.
- Member, Journal of Well- Being.
- Member, Indian Journal of Psychological Science.

Dr. Deepti Hooda

- Managing Editor, Journal of Indian Health Psychology ( bi- Annual).

## 27. Faculty recharging strategies

- Master trainee's programmes, workshops for the teachers to strengthen their practical skills, refresher and orientation courses etc.

## 28. Student projects

- **percentage of students who have done in-house projects including inter-departmental projects**  
 ✚ 100 % (M.A., M.Phil.)
- **percentage of students doing projects in collaboration with other universities / industry / institute**  
 ✚ 100 % (PGDPO, PGDGC)

## 29. Awards / recognitions received at the national and international level by:

- **Faculty:** 06
  - ✚ Prof Sunita Malhotra has been awarded the 6th V.P Sharma, Memorial Lecturer Award, 2010 for distinguished lecturer from "Psycholinguistic Association of India"
  - ✚ Prof. Promila Batra was awarded "Shiksha Rattan Puruskar", 2007.
  - ✚ Prof. Promila Batra 'Best Citizen Award' 2008.
  - ✚ Prof. Amrita Yadava was felicitated for contribution in the areas of Cognitive Psychology, Health psychology & Counseling at National Seminar on Mental Health and Current Scenario 2009, G.K University Haridwar.
  - ✚ Prof. Nov Rattan Sharma has been awarded "Prof. (Mrs) Manju Thakur Memorial Award" (2010).
  - ✚ Prof Radhey Shyam was awarded "Prof Anima Sen" award in 2008
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Seminars

Year	Title	Funding
2007-08	National Seminar on "Positive Perspectives of Health and Behavior" on 1 <sup>st</sup> -2 <sup>nd</sup> Feb 2008	MDU + DRS- I (SAP)
2009-10	National seminar on "Positive Psychology and Health: Interventions and strategies" on 28-29 March 2010	DRS -II
2010-11	National Seminar on "Community Health Psychology: Research and applications on 26-27 March 2011	DRS-II

Workshops

Year	Title	Source
2007-08	1. Workshop on SIS	
2010-11	1. Workshop on Psycho nutritional cure. 2. Gestalt Movement 3. Combating Stress-I 4. Rorschach Inkblot Test	SAP MDU + SAP Radhakrishanan Fund SAP
2011-12	1. Counseling Skills for Org. & Community 2. Hypnosis 3. Combating Stress-II	MDU MDU, Radhakrishanan Fund

The list of visiting fellows and outstanding participants has been assessed at point No.12

**31. Code of ethics for research followed by the departments**

- Code of ethics for research is as per APA guidelines. It includes informed consent, confidentiality and nondiscrimination.
- University code of ethics is also followed

**32. Student profile course-wise:**

Name of the course	Applications Received	Selected Male	Selected Female	Pass percentage	
				Male	Female
M.A.					
2007-08	126	07	21	85.74	71.43
2008-09	104	13	17	100	77.78
2009-10	128	10	24	40	91.67
2010-11	189	05	30	100	53.33
2011-12	197	07	25	-	-
M.Phil					
2007-08	81	06	09	100	100
2008-09	56	03	12	100	91.67
2009-10	31	02	12	100	91.67
[2010-11] M.Phil + Pre-Ph.D.	141	02	13	100	92.03



[2011-12]	115	03	20	-	-
PGDGC					
2007-08	24	-	-	-	-
2008-09	48	03	17	100	100
2009-10	33	05	14	100	100
2010-11	32	04	13	100	100
2011-12	33	01	08		
PGDPO					
2010-11	11	04	04	25	50
2011-12	36	05	10	-	-

### 33. Diversity of students:

Name of Course	% of Students from same University	% of Students from other University (within the state )	% of Students from University Outside the state	% of Students from other Countries
(M.A)				
2007-08	100	--	--	--
2008-09	100	--	--	--
2009-10	96	04	--	--
2010-11	97	03	--	--
( M.Phil)				
2007-08	85	15	--	--
2008-09	74	26	--	--
2009-10	92	08	--	--
2010-11	79	21	--	--
( PGDGC)				
2007-08	--	--	--	--
2008-09	100	--	--	--
2009-10	100	--	--	--
2010-11	94	06	--	--
(PGDPO)				
2010-11	100	--	--	--

### 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Exam	Number
NET	05
SET	02
IAS	01
HCS	01
ICMR/ JRF	03
Defence Services	Approx 10 (as scientists)

**35. Student progression**

<b>Student Progression</b>	<b>Percentage%</b>
UG to PG*	NA
PG to M.Phil.*	40%
PG to Ph.D.	61%
Ph.D. to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	Nil 50
Entrepreneurs	Nil

**36. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same university	62.50
from other universities within the State	25
from universities from other States	12.50
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**38. Present details of infrastructural facilities with regard to**

- |   |                                     |
|---|-------------------------------------|
| a) <b>Library</b>                                     | Departmental library with 350 books |
| b) <b>Internet facilities for staff and students:</b> | 100 %                               |
| c) <b>Total number of class rooms :</b>               | 05                                  |
| d) <b>Class rooms with ICT facility:</b>              | 01                                  |
| e) <b>Students' laboratories:</b>                     | 03                                  |
| f) <b>Research laboratories:</b>                      | Nil                                 |

**39. List of doctoral, post-doctoral students and Research Associates**

- |                                     |                                  |
|-------------------------------------|----------------------------------|
| a) <b>from the host university:</b> | 15 (Doctoral), 01 (Postdoctoral) |
| b) <b>from other universities:</b>  | 03 (Doctoral)                    |

**40. Number of post graduate students getting financial assistance from the university.**

- 09

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

A new course i.e. PG Diploma of Psychology in Organization (PGDPO) was designed and implemented in session 2010-11. The new diploma course carries a good applied utility in view of the implications and future prospects of psychology in the organizational setup. A rigorous practical training is imparted to these students in this course.

In P.G. courses the curricula revision has been made twice. Firstly when the semester system was introduced. Secondly, the scheme has been revised in 2011-12 for implementing it in 2012-13. For preparing and revising these courses following steps were taken:-

- Sub Committee of the faculty members of the Department as per their specialization is formed.
- Consideration of syllabi of NET/SET.
- CDC curricula.
- The student's feedback particularly regarding the enhancement of practical training exposure and the difficulty being faced by the students in the previous syllabi.
- The consideration of the difficulties being faced by the teachers in imparting the training and teaching if any.
- A detailed deliberation and discussion on the syllabi prepared by the teams of various faculty members in the whole Departmental Committee.
- Every effort is made to make the courses sufficient in both theoretical and practical knowledge so as to make the students suitable for further employment.
- All these syllabi are deliberated in PGBOS and Faculty of Social Science for approval.

**42. Does the department obtain feedback from**

- a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes

The performance of the students is monitored with the help of internal assessment test, presentation and assignment, and final examination (Theory + Practical) as well as attendance. This feedback is given to the students. The students are duly notified their score /marks and they are also shown their answer sheets in a bid to make them understand their shortfalls, if any.

- b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** Yes

In MA course, feedback is taken from students at the end of each semester. The feedback form has 21 items which are scored on a 4 point scale. The feedback forms the background in the light of which seminars and workshops on relevant topics are arranged. These are related to the course curricula e.g. “Gestalt Therapy”, “Rorschach” and “Hypnosis“. Moreover, the course curricula are revised and updated keeping in mind the feedback obtained from students.

- c) alumni and employers on the programmes offered and how does the department utilize the feedback?** Yes

The Department has a data bank of students and teachers of the alumni association of University. Efforts are being made to strengthen the alumni association of the Department. The Department involved the students in sharing their experiences and their viewpoints in alumni meet during 2011-12.

**43. List the distinguished alumni of the department (maximum 10):**

- Ms. Archana
- Ms. Ashima Batra, IAS officer
- Sh. Anirudh Sharma, HCS officer
- Sh. Rajesh Nair, Assistant Professor in Indian Institute of Public Health

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Various extension lectures, seminars and workshops involving external experts are organized from time to time. The details of various extension lectures organized during the evaluation period are mentioned below

S. No.	Extension Lecture	Year
1.	Services offered by Dept. of Psychiatry	2007-08
2.	Treatment and management of Psychiatric patients	-do-
3.	Electro- Convulsive Shock Therapy	-do-
4.	Management and Rehabilitation of Drug Dependent Persons	-do-
5.	Management and Rehabilitation of Mentally Challenged	-do-
6.	Role of Radiology in Diagnosis of Diseases	-do-
7.	Brain and its parts with Relevant Important Function	-do-
8.	Self-Enhancement and Empirical Approach	-do-
9.	Health Enhancement Research Orientation	-do-
10.	Re- attributional Trainee Programme	-do-
11.	Participating Rural Appraisal Method in Health	-do-
12.	An Introduction to Case Study Method	-do-
13.	Psycho – Spiritual Health, Society and Psychology	-do-
14.	Explanations of Health Behavior	-do-
15.	Psychological Adjustment with HIV-AIDS.	-do-
16.	Psychological Mechanisms of Health Promotion	-do-
17.	Construction and Standardization of Tests & Scales: A Comparison	2008-09
18.	Parametric and Non Parametric Statistics in the Analysis of Data: A Comparison	-do-
19.	Brain Parts, Related Portions and Functional Aspects in Relation to Psychological Awareness	-do-
20.	Principles of Psychiatric Management	-do-
21.	Rehabilitation of Alcohol as Drug Affected Cases	-do-
22.	Parts and Functions of Human Brain	2009-10
23.	Foundations of Qualitative Research	-do-
24.	Mental Retardation- Implications	-do-
25.	Parents ‘ Empowerment Programme	-do-
26.	Introduction to Disabilities, Mental Retardation, Psycho diagnostics, Treatment and Rehabilitation of Psychiatric Patients	-do-
27.	Yoga as a Positive Psychological Intervention Strategies	-do-
28.	Psychological Assessment: A Clinical Importance	2010-11
29.	Training of Children with Mental Retardation	-do-
30.	Role of Radiology in Diagnosis of Diseases	-do-
31.	Neuroanatomy for Psychology Students	-do-
32.	Jam Session on “ Women Status in India”	-do-
33.	Nervous System Anatomy with Functions aspects	2011-12

34.	Practical Aspect and viewing of Brain Parts	-do-
35.	Identification and Assessment of mental Retardation	-do-
36.	Introduction to Disability	-do-
37.	Issues and Management of Mental Retardation	-do-

**45. List the teaching methods adopted by the faculty for different programmes.**

- Using modern teaching aids such as LCD projector and power point presentation
- Use of interactive boards, lectures, practicals, case studies and experiential learning are being followed as the major methods. The practicability and the applied content of the subject has been the main focus of teaching. The students are encouraged for active participation by the teachers in the form of micro laboratory, role playing, group discussions and rehearsals as supporting methods

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- The major objective of the Department is to impart quality education in different fields of Psychology. For this faculty members make efforts to are meeting their classes regularly.
- A scheduling of the semester activities is done in the beginning of the semester.
- The basic papers of Psychology are taught in M.A.(Previous) and specialization are taught in M.A.(Final) to generate a self-sufficient knowledge individual in Psychology.
- A congenial and warm environment has been created in the Department with emphasis and facilitation of overall development and welfare of the students. All the teachers who supervise the project of the students obviously act like their mentors also.
- The contact in the small groups encourages the teacher- taught relationship and informal discussions.
- For training the students in handling the psychological instruments.
  - Every year new psychological tests and equipments are purchased.
  - The Profiling of the instruments and experiments are vital part of the curricula prepared in all the four semesters.

- Organizing a variety of workshops and seminars is an annual feature. This enhances the exposure of the students.

All this fulfills the objective, of preparing the students to work as Academician, Scientists and Professionals.

The last objective of the Department is to impart extension services with emphasis on psychological assessment for Health and Well Being, for this:-

- Health camps are organized with the help of grant for the DRS-II, SAP (UGC) to train the students to enable them learn the extension services.
- Psychological exhibition including psychological assessments has also been held from time to time.
- The students are given examples that are relevant to curricula and cases are presented about the extension services, to enhance the knowledge base of the students.

**47. Highlight the participation of students and faculty in extension activities.**

- The Department organized Health Camps in and around Rohtak for promoting health awareness in the community. All faculty members and students participate very enthusiastically in these camps. These camps have been organized during the session 2008-09, 2009-10, 2010-11 and 2011-12. Distinguished Visiting Fellows visit the department during these Health Camps and interact with the people of different communities.
- The Faculty members are actively engaged in sensitizing, creating awareness and motivating various segments of the community for maintaining/ enhancing their physical, psychological, spiritual and social health. Counseling Workshops on combating stress and techniques of time management before the Board examination are organized in different schools by some faculty members. Sensitization about parenting has been done through the workshops. Some members are engaged in regular individual counseling. One of the faculty members has been a member of Juvenile Justice Board for two consecutive terms and counseled the juveniles. Family counseling has also been provided in association with district administration.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Various extension lectures, Workshops, etc. are organized from time to time to enhance the applied knowledge of the students. Details of lectures and workshops organized have been mentioned above at point no 30 and 44. Besides this, the department organizes educational trips to places like Jaipur, Delhi, Kurukshetra from time to time. The purpose of these field visits is to enhance the practical educational exposure and social skills of the students. Health camps and other extension activity are all examples of “Beyond syllabus scholarly activities” organized by the department.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- No

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- The students are being imparted the very latest in basic psychology following a regular evaluation, revision and enrichment of the syllabi. The curricula of the courses are designed in such a way that it emphasizes on a complete theoretical and practical training so that good professionals can be produced and are well placed.
- The new diploma (PGDPO) carries an applied utility in view of the present implications and future prospects of psychology in Organizational setup. The students of PGDPO visit various industries in and around Rohtak for their practical training and exposure.
- There is a liasioning programme with de- addiction centre, Shravan, Arpan, SIRTAR, Department of Psychiatry and PGIMS, Rohtak where the students of M.A., PGDPO and PGDGC visit for hands- on training. Majority of the students are either progressing for future careers or are getting employed in various capacities. This shows that our courses are self-sufficient in generating required knowledge for getting employed successfully and managing well in their jobs.



**51. Future plans of the department.**

- The department has completed nearly 30 years. Now we intend to grow further in the form of an “Institute of Behavioral Sciences”. Under the auspices of this institute, the department intends to float a few professional courses and provide extension services in the area of health, counseling and HRD. It is also proposed to start an integrated 5 years M.A course for which the viability exercises are already being undertaken. Further, it is proposed to start a new parallel P.G. Course in applied psychology area.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) The Department boasts of an extremely robust teacher- student ratio which culminates into a positive one to one relationship between the teachers and students.
- b) The new revised curricula lay strong emphasis on practical training essential for producing first rate professionals.
- c) The Department has successfully completed DRS-1 under special assistance programme (SAP) of UGC. Currently, the department has been granted DRS-II
- d) The Department has well equipped laboratories with basic as well as sophisticated testing equipment and instruments.
- e) Faculty and students actively participate in extension activities

**B) Weakness:**

- a) Technical persons for maintaining the computerized equipment/ software in the laboratories are required.
- b) There is a need to increase the laboratory grant due to shift with nature of psychological equipments i.e. from electrical to electronic/ computerized.
- c) There is a great need to carve out more space for class rooms and research laboratories.
- d) Sound proofing, grounding etc. is required in the laboratories.

**C) Opportunities:**

- a) Although the Department provides a very sound practical training to students, yet there is still further scope for enhancing and strengthening the same
- b) Improve laboratory facilities with latest technology.
- c) Understanding and helping Special Populations.
- d) Prevention of social and community problems by adopting group and community approach in extension services.

**D) Challenges:**







- a) Saturation in traditional job areas.
- b) Reduction in interest/ motivation of students in social science subjects due to influx in professional courses.
- c) Quackery – Misapplication of the subject by non-psychological experts.
- d) Lack of Central statutory monitoring body.

## Evaluative Report Department of Public Administration

1. **Name of the Department :** Public Administration
2. **Year of establishment:** 1991
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** MA, M.Phil, Pre-Ph.D., Ph.D.  
M.A.(Hons)- 5 Years  
Integrated.
5. **Interdisciplinary courses and departments involved:** Sociology and English for M.A.(Hons) 5years
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	01	01
Associate Professors	-	-
Assistant Professors	06	3+2(Guest Faculty)

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. S.S. Chahar	MA Pol. Sc. & Public Admn., M.Phil, Ph.D.	Professor	Financial Admn., Theory of Pub. Admn., Labour Welfare Admn.	26	06	
Dr. Shashi Kala Mehra	M.A., M.Phil, Ph.D.	Professor	Indian Admn.,HRD, Policy Analysis, Com. Pub. Admn.	32	04	
Dr. S.S. Dahiya,	M.A. M.Phil, Ph.D.	Asso. Prof.	Police Admn., Local Admn., Consumer Protection	17	02	
Dr. Anjana Rani	M.A., M.Phil, Ph.D.	Asso. Prof.	Women Empowerment & Rural Dev., Local Admn.	21	-	
Dr. Rajesh Kumar	M.A., M.Phil, Ph.D. MBA	Guest Faculty	Local Finance, Consumer, Protection Admn.,Judicial Admn.	08	-	
Dr. Jagbir Singh Narwal	M.A., M.Phil, Ph.D. LLB	Guest Faculty	Labour Welfare Admn., Theory of Pub. Admn., Dev. Admn.	08	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

- Prof. S. S. Tiwana, DAA, Dept. of Public Administration, P.U. Patiala
- Prof. Mohinder Singh, Kurukshetra University, Kurukshetra
- Prof. Nisar-Ul-Haq, Dept. of Politics & Admn., J.M.I. University, New Delhi.
- Prof. Suresh Mishra, Consumer Protection Centre, IIPA, New Delhi.
- Prof. Sanjeev Sharma, HOD, Dept. of Politics & Administration, CCS University, Meerut (UP)
- Prof. Rumki Basu, Dept. of Pol. & Admn., J.M.I. University, New Delhi.
- Prof. Uma Myduri, Dept. of Public Admn., IGNOU, New Delhi.
- Prof., A.S. Narang, Dept. of Public Admn. & Pol. Science, IGNOU, New Delhi.
- Prof. Ashwani Rai, J.N. University, Delhi.

- 13. Percentage of classes taken by temporary faculty – programme-wise information** M.A. : 34 %  
M.A. (Hons) 5 Years: 80 %

- 14. Programme-wise Student Teacher Ratio:** M.A.: 8:1

- 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	-	-
Administrative staff	02	02

- 16. Research thrust areas recognized by funding agencies:** Consumer Protection, Local Govt., Police Admn., NGO's Role

- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

S.No.	Name of the PI & Co-PI	Title of the Research Project	Total Amount Sanctioned	Duration and Funding Agency
1.	Dr. R.K.Prabhakar & prof. S.C. Arora	Implementation of 74 <sup>th</sup> Amendment Act in Haryana.	5,50,000/-	2 yrs funded by UGC
2.	Prof. S.S. Chahar	The Role and Capacities of Panchyati Raj Institutions to manage the grass roots health system: A study in Haryana	4,67,000/-	2 yrs funded by ICMR
3.	Prof. S.S. Chahar	Consumer Protection in India: A Study in North Haryana	1,79,000/-	2 yrs, funded by UGC
4.	Sewa Singh Dahiya	People Friendly Police: An Interaction with Commercial vehicle drivers.	90,000/-	2 yrs funded by UGC.
5.	Prof (Mrs.) Sashi Mehra	Role of NGOs in women Empowerment: A study of Middle East Haryana	4,87,000/-	2yrs funded by UGC
6.	Prof. S.S. Chahar	Consumer Satisfaction Level: A Study of Banking Services in Haryana.	3,18,000/-	2 yrs funded by Consumer Affairs Ministry

7.	Dr. S.S. Dahiya	Police Personnel in Haryana: Service and Working Conditions	6,76,200/-	2 yrs funded by UGC
8.	Prof. S.S. Chahar	Role of Khaps in Socio-economic Development: A Study on Haryana	10,000/-	1 year funded by RKF

<b>18. Inter-institutional collaborative projects and grants received</b>	Nil
<b>a) All India collaboration</b>	
<b>b) International</b>	
<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:</b>	Nil
<b>20. Research facility / centre with /</b>	Nil
• state recognition	
• national recognition	
• international recognition	
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>	Nil
<b>22. Publications: (from 2008-2012)</b>	
* <b>Number of papers published in peer reviewed journals (national / international):</b>	99
* <b>Monographs:</b>	Nil
* <b>Chapters in Books:</b>	50
* <b>Edited Books:</b>	03
* <b>Books with ISBN with details of publishers: 12</b>	
✚ S.S.Chahar," Dynamics of Electoral Politics in Haryana: Pre 1977", New Delhi: Sanjay Parkashan, 2004, (ISBN-81-7453-111-4).	
✚ Sewa Singh," An Introduction to Public Policy," New Delhi: Sanjay Parkashan, (2002), (ISBN-81-7453- 064-9).	
✚ S.S.Chahar," Pattern of Legislative Leadership in Haryana: 1966-2004", New Delhi: Sanjay Parkashan, 2004, (ISBN-81-7453-168-8).	
✚ S.S.Chahar," Dynamics of Electoral Politics in Haryana: Post 1977", New Delhi: Sanjay Parkashan, 2004, (ISBN-81-7453-179-3).	
✚ Rajesh Kundu," Resource Mobilization & Utilization: A Study of Local Bodies, New Delhi: Sanjay Parkashan, 2005 (ISBN-81-7453-186-6).	
✚ S.S.Chahar," Governance at Grassroots level in India", New Delhi: Kanishka, (2005), (ISBN-81-7453-179-3).	

- ✚ S.S.Chahar," Principles of Personnel Management", Shimla: HPU Press, 2003.
- ✚ S.S.Chahar," Personnel Management & Business administration", Shimla: HPU Press (2006).
- ✚ S.S.Chahar," Consumer Protection Movement in India: Problems and Prospects", New Delhi: Concept, (2007),(ISBN-81-7453-179-3).
- ✚ S.S.Chahar," Lok Prashashan Ke Sidhant", Panchkula: Haryana Sahitya Academy (2007).
- ✚ S.S.Chahar," District Administration in the Era of Globalization", New Delhi: Concept, 2009, (ISBN-978-81-8069-9).
- ✚ S.S.Chahar," Social Structure to Recruitment in India", New Delhi: Abhijit, (2011), (ISBN-978-93-80031-2).

- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** Nil
- \* **Citation Index – range / average:** Nil
- \* **SNIP:** Nil
- \* **SJR:** Nil
- \* **Impact Factor – range / average :** Nil
- \* **h-index:**
- 23. **Details of patents and income generated:** Nil
- 24. **Areas of consultancy and income generated** Nil
- 25. **Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
  - Nil
- 26. **Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
  - Prof. S.S. Chahar, Chief Editor, Journal of People & Society of Haryana
- 27. **Faculty recharging strategies**
  - Orientation Course, Workshops.
- 28. **Student projects**
  - **percentage of students who have done in-house projects including inter-departmental projects**  
✚ N.A.
  - **percentage of students doing projects in collaboration with other universities / industry / institute**  
✚ N.A.

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** Nil
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Working of Local Administration in India: Post 73rd and 74th Amendment Scenario, National Seminar in Dept. of Public Administration, M.D. University, Rohtak, March 10-11, 2004.
- Gender discrimination in India, Inter-college/Department Debate in Department of Public Administration, M.D. University, Rohtak, November 24, 2004.
- Consumer Protection Movement in India, Zonal seminar in Department of Public Administration, sponsored by ICSSR, Regional Branch, Chandigarh, December 8, 2004.
- Right to Information, Inter-college/Department Debate in Department of Public Administration, M.D. University, Rohtak, September 26, 2005.
- Consumer Protection in India : Problems and Prospects, National Seminar cum Workshop in Dept. of Public Administration, M.D. University, Rohtak sponsored by Prof. S.S. Singh, Project Director, IIPA, New Delhi, December 23-24, 2005.
- Modernising and Restructuring of District Administration in the Era of Liberalization, International Seminar in Dept. of Public Administration, M.D. University, Rohtak, March 1-2, 2006.
- Role of Haryana in India's First Freedom Struggle, 1857, National Seminar in Centre for Haryana Studies in the capacity of its direction August 6, 2007.
- Inter-College Debate on 'Haryana has become NOI State' on 31.10.2007.
- Quiz on Haryana Society & Culture (inter-college) on 31.10.2007.
- Inter-College Debate on 'SEZ in Haryana' on 30.10.2008.
- Inter-College Quiz on Haryana on 30.10.2008.
- Debate organized on 'Female Foeticide: Who is Responsible? Man OR Women on March 8, 2010.
- One day seminar on 'Gender Policy in India: Prospects and Problems' on March 19, 2010 sponsored by Higher Education Commissioner, Haryana Panchkula.
- Two day Regional Seminar on 'Mahatma Gandhi National Rural Employment Guarantee Act: Its Implementation, Problems and Prospects in North-Western Region in India' on Feb. 22-23, 2011 sponsored by ICSSR, Chandigarh.



- One day Workshop on ‘Right to Information & Good Governance’ on March 25, 2011 funded by R.K. Foundation.
- Celebrated Voters’ Day on 25.1.2012
- Two days Regional Seminar on “Corruption and Lokpal in North-Western Region of India Feb 27-28, 2012 sponsored by ICSSR, N.W. Regional Centre, Chandigarh.
- One day Seminar on ‘Corruption and RTI on March 28, 2012 in the Dept. of Public Administration.

### 31. Code of ethics for research followed by the departments

- As per University Rules

### 32. Student profile course-wise:

Name of the Course(refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.	120	33	08	Result declared Notification not sent by the concerned branch	
M.A. (Hons) 5 years	45	21	09	-do-	
Pre Ph.D. /M.Phil.	59	04	08	-do-	

### 33. Diversity of students:

Name of the Course(refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	39	1	--	01
M.Phil.	8	1	1	--
Pre Ph.D.	3	-	1	--
M.A.(Hons)5 years	--	--	--	--

### 34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

- Civil Services – UPSC/HPSC = 10
- Net Cleared = 06

**35. Student progression**

<b>Student Progression</b>	<b>Percentage%</b>
UG to PG*	90%
PG to M.Phil.*	80%
PG to Ph.D.	75%
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	60
Entrepreneurs	Nil

**36. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same university	83%
from other universities within the State	Nil
from universities from other States	17 %
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**38. Present details of infrastructural facilities with regard to**

- |   |                 |
|---|-----------------|
| a) <b>Library</b>                                     | Central library |
| b) <b>Internet facilities for staff and students:</b> | 100 %           |
| c) <b>Total number of class rooms :</b>               | 04              |
| d) <b>Class rooms with ICT facility:</b>              | Nil             |
| e) <b>Students' laboratories:</b>                     | Nil             |
| f) <b>Research laboratories:</b>                      | Nil             |

**39. List of doctoral, post-doctoral students and Research Associates**

a) **from the host university:** 18 (Doctoral)

- ✚ Pushpa Devi, Manju, Sonika, Ashok Kumar Arya, Samunder Singh, Ashok Khasa, Rakesh Chander, Jagbir Singh Narwal, SumanLata, Joginder Singh, Raj Kumar, Subhash Chander Mor, Anju Bala, Suresh Kumar, Rajesh Kumar, Birender Kumar, Sunil Kumar Sehrawat, Anil

b) from other universities: Nil

40. Number of post graduate students getting financial assistance from the university.

- 11

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

- Nil

42. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes

c) alumni and employers on the programmes offered and how does the department utilize the feedback? Yes

The Department tries to entertain all the suggestions regarding teaching-learning process, curriculum, teaching-learning-evaluation as well as market friendly or professionalization of the courses. To make the subject Professional, our department has started an Integrated 5 Years (Hons) Course with specializations of Disaster Management and Administration, Police Admn., E-Governance and Good Governance, Labour Welfare Admn, Social Welfare Admn, Banking and Insurance Admn., RTI in India, Public Enterprises Admn., Environment Admn., ICT, Public Admn. and Human Rights Admn. etc.

43. List the distinguished alumni of the department (maximum 10):

Sr.No.	Name of Prominent Alumni	Course Passed	Present Position & Designation	Name of Organization Currently serving
1	Mr. Braham Parkash	M.A.	Tehsildar	Govt. of Haryana
2	Dr. Rajbir Singh Dhaka	Ph.D.	Associate Professor	HIPA, Gurgoan
3	Dr. Sunita Dhaka	Ph.D.	Lecturer in Pub. Admn.	Govt. of Haryana
4	Dr. Anita Balhara	Ph.D.		Govt. of Haryana
5	Dr. Satyawan Dalal	Ph.D.	Lecturer	CDLU, Sirsa

6	Dr. Ashok Khasa	Ph.D.	Lecturer (College Cadre)	AIJHM College, Rohtak
7	Dr. Subhash Chander Mor	Ph.D.	Lecturer (College Cadre)	Govt. of Haryana
8	Dr. Sunil Sehrawat	Ph.D.	Advocate	Gohana Court
9	Mr. Jasmer Hooda	M.Phil	Lecturer (College Cadre)	AIJHM College, Rohtak
10	Mr. Ram Darshan	MA	Lecturer	Kedar Nath Aggarwal Institute of Management, Ch. Dadri
11	Mr. AmitDahiya	MA	DSP	Govt. of Haryana

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Extension Lecture = 01
- Workshop /Seminar = 11 Same as Point 30)

**45. List the teaching methods adopted by the faculty for different programmes.**

- Lecture Method
- Use of LCD Projector and OHP
- Workshop Method of Teaching
- Tutorial Method

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Self-Appraisal Report of the Staff
- Performance Appraisal OR Feedback from Students.

**47. Highlight the participation of students and faculty in extension activities.**

- Debates
- Declamations
- Quizzes
- Extension Lectures.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- UGC Net Coaching Classes
- Civil Services Coaching Classes

- UPSC/HPSC Coaching Classes
- NDA/CDS Coaching Classes.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- No

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Generated new knowledge through Writing Books, Research Papers in Journal of Repute and Research Project reports.

**51. Future plans of the department.**

- To Start Professional Courses like PG Diploma in Disaster Management and M.A. Disaster Management proposal submitted to UGC under XII Plan.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) It is inter-disciplinary in nature.
- b) Moreover, it is the leading subject in civil services examination like IAS, IPS, IRS, and state civil services.
- c) Career Prospects: The modern competitive world has given rise to a huge requirement of specialized, educated public administrators.
- d) As a consultant in budget and financial analysis, conducting research related to public relations or marketing, shaping organizational policy, programme development and implementation, problem solving and critical thinking and oversight of managerial or leadership programmes etc.

**B) Weakness:**

- a) Lack of Governmental efforts in introducing it at college and school levels.
- b) Lack of Awareness among student and parents about the application areas and career opportunities of the subject in public as well as private fields.
- c) Lack of common syllabi in the universities at the central and state levels.
- d) A tendency of political scientists to concentrate their studies limited to the political institutions is also a weakness of public administration as a separate discipline.

**C) Opportunities:**

- a) It has great opportunity in the era of liberalization, privatization, globalization and civil society because of increasing demand of accountability, transparency, people-centricism, efficiency and democratic set up of the administrative structure.
- b) Good-governance, e-governance, ethical governance corporate-governance etc. are the watchwords of the period relating to 21st century. So, public administration as an activity and discipline is the pivot of various concepts of governance.

**D) Challenges:**








- a) Commercialization of education.
- b) Non emergence of new areas of Courses.
- c) Shortage of writers/authors on the subject.
- d) Non entry of administrative scientists in the commissions like Administrative Reforms Commission, Finance Commission, Election Commission etc. as an expert.
- e) Lack of link between the Administrators and Administrative Scientists.

## Evaluative Report Department of Sociology

1. **Name of the Department :** Sociology
2. **Year of establishment:** 1978
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** MA, M.Phil, Pre-Ph.D., Ph.D.
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	5	4
Associate Professors	2	2
Assistant Professors	2	1

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. K. S. Sangwan	M.A. M.Phil, Ph.D.	Professor (Retd. on 30-4-12)	Rural Sociology, Human Rights, Population Studies, Political Science	34	1	
Dr. U. K. Awasthi	MA, M.Phil, Ph.D.	Professor (Retd. On 29.2.2012)	Majority, Minority, Ethnic Group Relations, Industrial Sociology	34	-	
Dr. S. R. Ahlawat	M.A., M.Phil, Ph.D.	Professor	Rural Sociology, Peasantry, Sociology of Development Studies	27	2	
Dr. Jitender Prasad	M.A., M.Phil, Ph.D.	Professor & Head	Social Movement, Social Development, Tribal & Women Studies	32	1	
Dr. Kanwar Chauhan	M.A., Ph.D.	Professor	Sociology of Mass Media, Education National Integration	24	-	
Dr. Madhu Nagla	M.A., M.Phil, Ph.D.	Professor	Health Studies, Gender Studies, Deviant Studies, Profession Studies	24	3	
Dr. Des Raj	M.A., M.Phil, Ph.D.	Associate Professor	Sociology of Peasant Studies, Sociology of Dalits Studies	22	-	
Dr. Supriti	M.A., M.Phil, Ph.D.	Associate Professor	Sociology of Weaker Sections, Studies of Dalits, Rural Sociology	22	-	
Dr. Neerja Ahlawat	M.A., M.Phil, Ph.D.	Assistant Professor	Gender Studies, Population Studies	4	-	



- 12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Visiting Fellow
- Prof.K.C. Kaistha
  - Prof.R.S. Sandhu
- 13. Percentage of classes taken by temporary faculty – programme-wise information** N.A.
- 14. Programme-wise Student Teacher Ratio:** M.A.: 8:1
- 15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	-	-
Administrative staff	02	02

- 16. Research thrust areas recognized by funding agencies:** Social Transformation, Social Formation
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

Title of Project	Funding Agency	Grant sanctioned
Assessment of the Role of SHG's in Women Empowerment through Micro Finance in Haryana	UGC	7.53 lacs
Survey/study of B.R.G.F. scheme in Mahendergarh District in Haryana	H.I.R.D.	
Survey of bonded labour in three districts of Mewat, Rohtak and Jhajjar of Haryana	Labour Deptt. Govt. of India	6.00 lacs
An Assessment of Labour Conditions in Brick Kilns of Rohtak District of Haryana	Radhakrishnan Foundation Fund, MDUR	10,000/-

- 18. Inter-institutional collaborative projects and grants received** Nil
- a) All India collaboration
- b) International

<b>19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:</b>	Nil
<b>20. Research facility / centre with /</b>	
• state recognition	Yes
• national recognition	Yes
• international recognition	Nil
<b>21. Special research laboratories sponsored by / created by industry or corporate bodies</b>	Nil
<b>22. Publications: (from 2008-2012)</b>	
* Number of papers published in peer reviewed journals (national / international):	12
* Monographs:	Nil
* Chapters in Books:	09
* Edited Books:	Nil
* Books with ISBN with details of publishers:	Nil
* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):	Nil
* Citation Index – range / average:	Nil
* SNIP:	Nil
* SJR:	Nil
* Impact Factor – range / average :	Nil
* h-index:	Nil
<b>23. Details of patents and income generated:</b>	Nil
<b>24. Areas of consultancy and income generated</b>	Nil
<b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>	
• Nil	

**26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**

- Referee for national and international journal – 1 (One)
- Dr. Jitender Prasad MDU Research Journal (Arts)
- Dr. S.R. Ahlawat, Economy, Polity and Society; Convener Research Committee ISC.

**27. Faculty recharging strategies**

- Orientation courses, Refresher courses, FDP

**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects  
✚ N.A.
- percentage of students doing projects in collaboration with other universities / industry / institute  
✚ N.A.

**29. Awards / recognitions received at the national and international level by:**

- Faculty: Nil
- Doctoral / Post-doctoral fellows: Nil
- Students: Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- 04 National Seminars/conferences (UGC – SAP, MDU, ICSSR, NGO)

**31. Code of ethics for research followed by the departments**

- Citing the findings of research in the department.
- The regional social problems findings are referred to the various departments in the ministry

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)		Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
M.A.	2008-09	67	14	21	100%	100%
	2009-10	59	12	21		
	2010-11	109	09	26		
	2011-12	137	15	20		
M.Phil	2008-09	47	06	04		
	2009-10	33	06	04		
	2010-11	96	07	03		
	2011-12	52	03	07		

**33. Diversity of students:**

Name of the Course(refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A.	90%	10%	--	--
M.Phil.	80%	20%	--	--

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- UGC-NET: 10

**35. Student progression**

Student Progression	Percentage%
UG to PG*	NA
PG to M.Phil.*	25%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	N.A. State Services
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	50
from other universities within the State	-
from universities from other States	50
from universities outside the country	-

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil**38. Present details of infrastructural facilities with regard to**

- a) **Library** Central library
- b) **Internet facilities for staff and students:** 100 %.

c) <b>Total number of class rooms :</b>	03
d) <b>Class rooms with ICT facility:</b>	Nil
e) <b>Students' laboratories:</b>	01
f) <b>Research laboratories:</b>	Nil

**39. List of doctoral, post-doctoral students and Research Associates**

- |                                     |               |
|-------------------------------------|---------------|
| a) <b>from the host university:</b> | 20 (Doctoral) |
| b) <b>from other universities:</b>  | 01 (Doctoral) |

List of Research Scholars:

Praveen Kumar, Sudhir Anand, Kavita Devi, Meena Kumari, Yudhvir, Vikas Nandal, Pankaj, Manjeet Singh, Devinder Kumar, Karan Singh, Sudha Yadav, Rekha, Ramesh Kumar, Kavita Devi, Meena Kumari, Parveen Chaudhary, Sumitra, Monika Saharan, Kanika, Rajiv Sharma, Yudhvir

**40. Number of post graduate students getting financial assistance from the university.**

- 6-7 students per year

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- Meeting and workshop held for pre-Ph.D. programme

**42. Does the department obtain feedback from**

- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes**

For improvement in the syllabus and curriculum workshops and Board of Studies meeting are held regularly.

- b) **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes**

Try to include the methodology of teaching after getting the data from the students feedback tables.

- c) **alumni and employers on the programmes offered and how does the department utilize the feedback?**

Nil

**43. List the distinguished alumni of the department (maximum 10):**

- Dr. Prem Kumar, HOD Sociology, Associate Prof., K.U.K
- Dr. Sushila Dhankhar, lecturer, MKJK, Rohtak
- Dr. Krishna Nain, Govt. College for Women, Rohtak
- Mrs. Gunwati, Lecturer, Govt. College for Women, Rohtak
- Mr. Ashwani Madan, D.S.W., Chandigarh.
- Dr. Shakuntla Nandal, Govt. College, Hisar
- Dr. Raj Kumar Khyalia, Govt. College, Bhiwani
- Mr. Sunil Dhull, Assistant Professor, K.U.K.
- Mrs. Vandana, Assistant Professor, K.U.K.
- Seema Sehgal, Lecturer, Vaish College, Rohtak)

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Special Lecture delivered by

- Prof.K.C. Kaisthain 2009-10
- Prof.R.S. Sandhu in 2011-12

**45. List the teaching methods adopted by the faculty for different programmes.**

- Class Room lectures as well as LCD projector, field work teaching

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Feedback from the students taken and regular class test, seminar etc.

**47. Highlight the participation of students and faculty in extension activities.**

- Attend the seminar, conferences, go to the field work for research.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Nil.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- No

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Majority of faculty members are life members of Indian Sociological Society (ISS) and North-West Indian Sociological Association (NWISA) and various National and International bodies. Some of the faculty members have been attending the conferences regularly including the one which was held last year i.e. 2011 at Gottenberg (Sweden).
- Prof. S.R. Ahlawat & Prof. Madhu Nagla have been the Conveners of Research Committees RC-3 (Economy Polity Society) & RC-20; Leisure & Tourism respectively of All India Sociological Association.
- Besides teachers have also been participating regularly in seminars, workshops and acting as resource persons in review workshops for preparing books for IGNOU, NCERT and associating themselves with other projects relating to minority, backward class groups, women and dalit etc.
- Teachers have also been engaged in evaluation of various schemes of Govt. such as NRHM, BRGF, MNREGA. They have also been associated with minority commissions to intervene and suggest in the various policy decision of the Govt. of Haryana.

**51. Future plans of the department.**

- The department proposes to involve students in projects which are undertaken from time to time by various govt. and non-govt. bodies.
- The department also plans to develop alumni association of students so that there is a greater degree of interaction with the students who have passed out and evolve a mechanism for placements of students.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.****A) Strength:**

- a) Field work method of conducting research is the special feature of the department.
- b) Even teachers are motivated to undertake and conduct relevant studies involving field work
- c) Reports are prepared under the supervision of teachers by the students themselves on social issues of vital importance

**B) Weakness:**

- a) Students normally come from under privileged groups lacking in proper communication skills.
- b) They come from rural background.
- c) Majority consists of girl students who are not encouraged by parents to go for competitive examinations and prepare themselves for research studies.

**C) Opportunities:**

- a) Department also has built in field work programme that allows students from diverse socio-economic back ground to know and acquaint themselves about the diverse socio-cultural setting of Haryana
- b) It provides window of opportunities to women in picking up jobs in social welfare sectors such as Anganwari supervisor, Drug de-addiction supervisor etc.
- c) The students have also found job opportunities in civil society organizations.

**D) Challenges:**

- a) One of the basic challenge of the department is to improve the communication skills of the students
- b) To orient students to undertake various competitive examinations
- c) Their rural background also becomes an impediment to apply for high ranking jobs.











## Evaluative Report

### University Institute of Law and Management Studies

1. **Name of the Department :** University Institute of law and Management Studies
2. **Year of establishment:** 2000
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** L.L.B 5-Year Integrated Course, MBA 2-Year course, MBA Executive 2-Year.
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	2	1
Associate Professors	4	1
Assistant Professors	23	19

**11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. Preet Singh	LL.M., Ph.D (Law)	Director	Family Law	25	-	
Dr. Poonam Datta	M.A. English, M.Phil, Ph.D., LL.B	Associate Professor	Orientalism, Legal language	27	-	
Dr. G.S. Chauhan	M.A. History, M.Phil, Ph.D LL.B	Assistant Professor (History)	Legal History	27	-	
Mrs. Somlata Sharma	LL.M., NET, Ph.D. (Persuing)	Assistant Professor (Law)	Family Law	9	-	
Mr. Sanjeev Kumar	M.P. Ed., M.Phil, Ph.D (Persuing)	Assistant Professor (Law)	Judo	9	-	
Dr. Kailash Kumar	LL.M., NET, Ph.D	Assistant Professor (Law)	Business law	5	-	
Mr. Surinder Nara	LL.M	Assistant Professor (Law)	Law of crimes	4	-	
Dr. Virender Sindhu	LL.M, Ph. D, PG diploma in Constitution Law & Diploma in Parliamentary Institution	Assistant Professor (Law)	Constitutional Law	3.7	-	
Dr. Anupam Kurlwal	LL.M, PhD	Assistant Professor (Law)	ADR	8	-	

Mrs. Om prabha	LL.M, Ph. D (Pursuing)	Assistant Professor (Law)	Family Law	4	-	
Dr. Pratibha Bhardwaj	M.A., M.Phil (Economics), MBA, PhD	Assistant Professor (MBA)	Marketing, Economics	7	-	
Mr. Vijay Rathee	MBA, BCA, Ph.D (Perusing)	Assistant Professor	Marketing, IB	6	-	
Mrs. Pooja Yadav	MBA, M.Phil, Ph.D (Submitted)	Assistant Professor	Finance, Marketing	3.7	-	
Mr. Sandeep Aggarwal	MBA	Assistant Professor (MBA)	Finance, Marketing	0.75	-	
Mr. Yogender Kumar	NET, PhD (Pursuing)	Assistant Professor (MBA),	Finance, Marketing	4	-	
Mrs. Nidhi	MBA, PhD (Persuing)	Assistant Professor (MBA)	HR, Marketing	2	-	
Dr. Komal	LL.M, PhD	Assistant Professor (Law)		2	-	
Mrs. Suman Yadav	LL.M	Assistant Professor (Law)		2	-	
Mr. Tersem Sharma	M.A.(Retd. Principal)	Assistant Professor (Law) (Economics)		36	-	
Mrs. Asha Ahlawat	M.A. (Sociology),	Assistant Professor (sociology)		5	-	
Dr. Vinay Jain	M.A. (Pol Science), PhD	Lecturer (political science)	Indian govt. And Politics and political theory	7	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:**

Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** N.A.

**14. Programme-wise Student Teacher Ratio:** Law: 35:1  
MBA: 20:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	05	02
Administrative staff	07	03+ 02*

\*on contractual basis

**16. Research thrust areas recognized by funding agencies:** N.A.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

- Nil

**18. Inter-institutional collaborative projects and grants received** Nil  
a) All India collaboration  
b) International

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:** Nil

**20. Research facility / centre with /** Nil  
• state recognition  
• national recognition  
• international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil

**22. Publications: (from 2008-2012)**

\* Number of papers published in peer reviewed journals (national / international): 40

* <b>Monographs:</b>	Nil
* <b>Chapters in Books:</b>	02
* <b>Edited Books:</b>	Nil
* <b>Books with ISBN with details of publishers:</b>	Nil
* <b>Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):</b>	Nil
* <b>Citation Index – range / average:</b>	Nil
* <b>SNIP:</b>	Nil
* <b>SJR:</b>	Nil
* <b>Impact Factor – range / average :</b>	Nil
* <b>h-index:</b>	Nil
<b>23. Details of patents and income generated:</b>	Nil
<b>24. Areas of consultancy and income generated</b>	Nil
<b>25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:</b>	
• Nil	
<b>26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):</b>	
• Dr. (Prof.) Preet Singh is a member of Editorial Board, MDU Law Journal,	
• First Appellate Authority, member of Board of Studies,	
• Academic Council, Convener of various inspection team and other committees constituted at MD University level.	
<b>27. Faculty recharging strategies</b>	
• Refresher & Orientation Course, seminars, workshops.	
<b>28. Student projects</b>	
• <b>percentage of students who have done in-house projects including inter-departmental projects</b>	
✚ 100%, part of curriculum of MBA students.	
• <b>percentage of students doing projects in collaboration with other universities / industry / institute</b>	
✚ Report of the training programme carried out in the industry is submitted and discussed as a part of the curriculum.	

**29. Awards / recognitions received at the national and international level by:**

- **Faculty:** Nil
- **Doctoral / Post-doctoral fellows:** Nil
- **Students:** Nil

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Workshop on Business Etiquettes was conducted by the MBA Dept Practical Training Workshops were held in UILMS. Study material pertaining to a medico-legal motor vehicle accident cases was given to all the participants a fortnight before the workshop. Nine Practicing advocates of the District courts, Delhi High Court and Supreme Court held eight courts rooms to train the final year students in the presentation of evidence, particularly on examination of witnesses, relevant and irrelevant facts. Industrial Trips have been undertaken by the MBA Department. Workshop on the Voter's Day was organized by the Law Department. Other programmes were also organized from its own funds.

**31. Code of ethics for research followed by the departments**

- N.A.

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.A.LL.B 5 year course	860	76	45	47	23
MBA 2 year course	1222	62	59	29	52

**33. Diversity of students:**

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
LL.B 5 year course	95%	04	01	

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- NET: 17
- Defence Entrance: 11
- Other services: 49
- Any other specify/ judicial services: 13

**35. Student progression**

<b>Student Progression</b>	<b>Percentage%</b>
UG to PG*	NA
PG to M.Phil.*	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
Campus selection	40
Other than campus recruitment	60
Entrepreneurs	Nil

**36. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same university	95%
from other universities within the State	03%
from universities from other States	02%
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** 04

**38. Present details of infrastructural facilities with regard to**

- |   |   |
|---|---|
| a) <b>Library</b>                                     | Ac library with internet facility & database. |
| b) <b>Internet facilities for staff and students:</b> | 100 %   |
| c) <b>Total number of class rooms :</b>               | 20  |
| d) <b>Class rooms with ICT facility:</b>              | Nil   |
| e) <b>Students' laboratories:</b>                     | Nil   |
| f) <b>Research laboratories:</b>                      | Nil   |

**39. List of doctoral, post-doctoral students and Research Associates**

- |                                     |      |
|-------------------------------------|------|
| a) <b>from the host university:</b> | N.A. |
| b) <b>from other universities:</b>  | N.A. |

**40. Number of post graduate students getting financial assistance from the university.**

- Nil

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** No

**42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** No

**a) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** Yes

The Director interacts with students regularly and discusses the feedback with the staff and the Heads and Deans of Law and Management depts.

**b) alumni and employers on the programmes offered and how does the department utilize the feedback?**

Alumni have always helped the students in getting internship and placements.

**43. List the distinguished alumni of the department (maximum 10):**

- Some of our students like Namrata Agarwal, Navjeet Budhiraja, Hemant Yadav, Piyush Chaudhary and Meeta Kohli are Judicial officials in Delhi, Haryana and Rajasthan judicial Services respectively. Navneet Sodhi is Asstt. District Attorney Chandigarh, Anup Sharma Asstt. Advocate General, Haryana, Ankita Kharab ADA, H.U.D.A. Gurgaon others like PranavVyas is working in the International arbitration Centre, Singapore, Varun Lamba in A.Z.B. & Partners, Abhishant Sharma in Remfry & Sagar, Sumit Saini in D.S.C. Ltd. Amit Mahajan and Anshuman Sharma in Lal & Lehri, Prgya Jha in Dua & Dua, Vishal Dhanda in H.C.L. Gunjan Gupta in Singhnia & Partneras, Eklavya Raj Nagpal in Oracle, Saurabh Suri in Inigreon, Amit Korpall in Legal Cell in the Ministry of Environment, Government of India, Vikas Mudgil in DPL Legal Cell, Nidhi Gupta City Financial, Saket Yadav in Seth, Dua & Associates, Gaurav Dua Khetan & Co., Rajan Gupta Lanco Infotech, Sandeep Kumar Gupta D.L.F. Scores of our alumni are working successfully in diverse fields.

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- Lectures: 08
- Workshops: 02



- Seminars: 01
- Industrial trips: 02
- Legal Aid Camps: 02

The Institute has organized legal Aid Awareness Camps regularly. The faculty members and the students visited nearby villages e.g. Daultabad, Nanu Khera and Balewa as a part of legal aid programme. The students and the teachers of UILMS held a legal aid camp in the village Kasan

Eminent personalities in the field of law including professor Veer Singh, former Vice-Chancellor, Nalsar, Ms Syeda Hamid, Member Planning Commission, Professor M.P. Singh, Vice-Chancellor, West Bengal National University of Juridical Science, Kolkata, Professor N.R. Madhav Menon, Former Vice-Chancellor, National Law University, Bangalore, and former member, Commission for Centre State Relations, Professor Ranbir Singh, Founder and Vice-Chancellor National Law University, Dwarka and Member Telangana Commission, Professor Poonam Saxena of Law Faculty of Delhi University and Dr. Shamshuddin have visited the Institute for extension Lectures.

Industrial Trips have been undertaken to 'Parley factory' and 'Somany Tiles Manufacturing' units.

**45. List the teaching methods adopted by the faculty for different programmes.**

- Lectures, seminars & assignments

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Alumni feedback.

**47. Highlight the participation of students and faculty in extension activities.**

- Legal literacy programme, NSS activities camps, Blood Donation Camps.

**48. Give details of "beyond syllabus scholarly activities" of the department.**

- Nil.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- Nil.

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Nil.

**51. Future plans of the department.**

- To start LL.B 3-Year course, LL.M
- MBA 5-Year course.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Faculty is highly qualified.
- b) A large number of students have been selected in judiciary and pass Net.
- c) Almost three to four fold applications for admission are received every year for the respective courses.
- d) Alumni of the Institute is well placed.
- e) The institute provides ample opportunities to students to participate in moot court activities which expose them to legal field and acquaint them with civil proceedings.
- f) For MBA students industrial visits are organized frequently

**B) Weakness:**

- a) Lack of hostel facilities for students and lack of residential facilities for teaching and non-teaching staff.
- b) There is no transport facility available for students.

**C) Opportunities:**

Located in Metro city of Gurgaon

**D) Challenges:**

New university has come-up at Gurgaon


## Evaluative Report


### Indira Gandhi P.G. Regional Centre, Mirpur (Rewari)










1. **Name of the Department :** Indira Gandhi P.G. Regional Centre, Mirpur (Rewari)
2. **Year of establishment:** 1978
3. **Is the Department part of a School/Faculty of the university?** Yes
4. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** M.A. English, M.A. History, M.Com-2 Year, M.Com. Hons, M.Sc. Mathematics, MCA, MBA M.A. Economics, Certificate course in Retail Management
5. **Interdisciplinary courses and departments involved:** NIL
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** NIL
7. **Details of programmes / courses discontinued, if any, with reasons:** NIL
8. **Annual/ Semester/Choice Based Credit System:** Semester System
9. **Participation of the department in the courses offered by other departments:** NIL
10. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	04	01
Associate Professors	16	08
Asst. Professors	47	22

**11. Faculty profile with name, qualification, designation and specialization  
(D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years	
Dr. S. K. Sharma	Ph.D.	Director				
Dr. Shri Krishan	M.A. History Ph.D.	Professor	Modern Indian History	23	03	
Dr. G. R. Malik	M.A. History Ph.D.	Associate Professor	Modern Indian History	23	3	
Sh. Balkar Singh	M.A History	Assistant Professor	Medieval Indian History	04	-	
Dr. Romika Batra	M.A. English Ph.D.	Associate Professor	Indian Writing in English	17	05	
Dr. Nikhilesh Yadav	M.A. English M.Phil, Ph.D.	Associate Professor		17	01	
Sh. Subhash C. Sharma	M.A. English M.Phil	Associate Professor		17	-	
Sh. Bijender	M.A. English SET.	Assistant Professor		04	-	
Dr. Tej Singh	M.Com, M. Phil, PGDCA, Ph.D.	Associate Professor	Accounting & Taxation	19	04	

Dr. Ravinder	M.Com M.Phil, Ph.D.	Assistant Professor	Marketing Mgt. & Business Statistics	05	-	
Dr. Sanjay Kumar	M.Com, Ph.D.	Assistant Professor	Finance & Gen. Mgt.	05	-	
Sh. Deepak Gupta	M.Com	Assistant Professor	Accounting & Computer	05	-	
Dr. Aditi Sharma	M.Com, M.Phil, MBA Ph.D.	Assistant Professor	Finance & Marketing	04	-	
Sh. Ishwar Singh	M.Com	Assistant Professor	Accounting & Finance	-	-	
Dr. Meera	M.Com, MBA, Ph.D.	Assistant Professor	Finance, Economics	-	-	
Sh. Hari Om	M.Com.	Assistant Professor	Accounting & Finance	-	-	
Sh. Vijay Singh	M.Com. M.Phil	Assistant Professor	Accounting & Finance	-	-	
Ms. Mamta	M.Com M.Ed.	Assistant Professor	-	02	-	
Ms. Pinki Rani	M.Com. M.Phil MBA,UGC Peruse Ph.D.	Assistant Professor	-	-	-	
Dr. Seema	M.Com. M.Phil, MBA, PGDCA, Ph. D.	Assistant Professor	Accounting & Finance	08	-	

Dr. Manju Pruthi	M.Sc. Mathematics M.Phil, Ph.D.	Associate Professor	Algebra	24	-	
Dr. Mamta Kamra	M.Sc. Mathematics M.Phil, Ph.D.	Associate Professor	Abstract Harmonic Analysis	21	-	
Sh. Satish Khurana	M.Sc Mathematics M.Phil	Associate Professor	Analysis	21	-	
Dr. Reena Hooda	MCA Ph.D.	Assistant Professor	Computer Science	05	-	
Dr. Savita Rani	MCA Ph.D.	Assistant Professor	Computer Science	8	-	
Dr. Vikash Batra	M.A. Eco., M.Phil Ph.D.	Assistant Professor	Development Economics, Agricultural Eco.		-	
Dr. Sonu	M.A. Eco. M.Phil Ph.D.	Assistant Professor	Public Economics, Qt. Techniques	12	-	
Dr. Satish Kumar	M.A. Eco., M.Phil, Ph.D.	Assistant Professor				
Dr. Devender	M.A. Eco., MBA, Ph.D.	Assistant Professor	Micro Economics Int. Eco.	03	-	

**12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors:** Nil

**13. Percentage of classes taken by temporary faculty – programme-wise information** 100% in MBA  
33% in MCA  
In MA classes: Nil

**14. Programme-wise Student Teacher Ratio:** 30:1

**15. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Technical staff	08	04
Administrative staff	46	17

**16. Research thrust areas recognized by funding agencies:** N.A.

**17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.**

- N.A.

**18. Inter-institutional collaborative projects and grants received** Same as in Point 17

a) All India collaboration  
b) International

**19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received:** Nil

**20. Research facility / centre with /** Nil

- state recognition
- national recognition
- international recognition

**21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil

**22. Publications: (from 2008-2012)**


\* **Number of papers published in peer reviewed journals (national / international):** 112


\* **Monographs:** 04

\* **Chapters in Books:** 07

\* **Edited Books:** Nil

\* **Books with ISBN with details of publishers:** 08

 Dr. Savita: Lambert Academic Publishing Saarbrücken, Germany; ISBN: 978-3-8465-8168-1

 Dr. Shri Krishan: Brief History of water resource in India , [ISBN: 978-81-230-1667-02]

- ✚ Dr.Sonu: Economic development and studies of women in India : The case of Haryana Serial publications New Delhi, ISBN: 978-81-8387-529-5
  - ✚ Sh. Ishwar Sharma: Quantative techniques for Managerial Decisions English pages-255 (ISBN; 978-93-80266-34-3), Hindi: pages-253 ISBN: 978-93-80266-35-0
  - ✚ Sh. Ishwar Sharma: Cost Accounting & Cost Management part-I, English pages-280 (ISBN; 978-93-81580-07-3) Hindi: pages-286, ISBN: 978-93-80266-62-3.
  - ✚ Sh. Ishwar Sharma: Cost Accounting & Cost Management part-II, English pages-198 ISBN; 978- 93-80266-77-0) Hindi: pages-230, ISBN: 978-93-80266-76-3.
  - ✚ Sh. Ishwar Sharma: Statistical Analysis, Hindi pages-709, ISBN: 978-93-81580-02-8.
  - ✚ Sh. Ishwar Sharma: Accounting for Management, English pages 462, ISBN: 978-93-81580-37-0, Hindi pages 517 ISBN: 978-93-81580-35-6
- \* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** Nil
- \* **Citation Index – range / average:** Nil
- \* **SNIP:** Nil
- \* **SJR:** Nil
- \* **Impact Factor – range / average :** Nil
- \* **h-index:** Nil
- 23. Details of patents and income generated:** Nil
- 24. Areas of consultancy and income generated** Nil
- 25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad:**
- Nil
- 26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):**
- Nil
- 27. Faculty recharging strategies**
- Refresher & Orientation Course, seminars, workshops



**28. Student projects**

- percentage of students who have done in-house projects including inter-departmental projects

 N.A.

- percentage of students doing projects in collaboration with other universities / industry / institute

 N.A.

**29. Awards / recognitions received at the national and international level by:**

- Faculty: Nil
- Doctoral / Post-doctoral fellows: Nil
- Students: 02

**30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Nil.

**31. Code of ethics for research followed by the departments**

- As per M.D. University rules.

**32. Student profile course-wise:**

Name of the Course (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A. English	90	70		100%	100%
M.A. History	83	70		100%	100%
M.Com. 2-Year	148	76		100%	100%
M.Com. Hons	62	62		100%	100%
M.Sc. Maths	209	76		100%	100%
MCA	65	65		100%	100%
MBA	59	41		100%	100%
M.A. Economics	67	67		100%	100%
Certificate course in Retail Management	No application				

**33. Diversity of students:**

Name of the Course(refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A. English	98	01	01	-
M.A. History	100	-	-	-
M.Com. 2-Year	100	-	-	-
M.Com. Hons	100	-	-	-
M.Sc. Maths	100	-	-	-
MCA	97	-	03	-
MBA	99	01	-	-
M.A. Economics	99	-	01	-
Certificate course in Retail Management				

**34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.**

- UGC-CSIR-NET: 10
- UGC-NET: 50
- Central Services: 25
- State Services: 100
- Defense Services: 120
- Civil Services: 02

**35. Student progression**

Student Progression	Percentage%
UG to PG*	Nil
PG to M.Phil.*	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
Campus selection	Nil
Other than campus recruitment	50%
Entrepreneurs	Nil

**36. Diversity of staff**

Percentage of faculty who are graduates	
of the same university	70
from other universities within the State	24
from universities from other States	06
from universities outside the country	Nil

**37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** 03

**38. Present details of infrastructural facilities with regard to**

- a) **Library** library with 17,000 books.
- b) **Internet facilities for staff and students:** 100 %
- c) **Total number of class rooms :** 29
- d) **Class rooms with ICT facility:** Computer with projector
- e) **Students' laboratories:** 03
- f) **Research laboratories:** Nil

**39. List of doctoral, post-doctoral students and Research Associates**

- a) **from the host university:** 12 (Doctoral)
- b) **from other universities:** Nil

Sh. Rishi Kumar, Ms. Abha Yadav, Sh. Shiv Kumar, Ms. Priyanka, Sh. Harish Gaur, Ms. Parul Mittal, Sh. Deepak Gupta, Ms. Vinita, Ms. Samidha Shikha, Ms. Sonia, Ms. Deepti Sharma, Sh. Subash Chander Sharma

**40. Number of post graduate students getting financial assistance from the university.**

- 129

**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- N.A.

**42. Does the department obtain feedback from**

- a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** Yes

faculty on curriculum feedback by revising of syllabus and updating of the same.

**b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

No

**c) alumni and employers on the programmes offered and how does the department utilize the feedback?**

No

**43. List the distinguished alumni of the department (maximum 10):**

- Nil

**44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

- In the Department of English Dr. Anoop Singh Beniwal, from I.P. University, Delhi delivered an Extension lectures in the Centre.
- In the Department of History Professor Abha Singh from IGNOU, New Delhi delivered an Extension Lecture in the Centre.
- In the Dept. of Commerce, Dr. K.C. Gupta from National University, Jaipur delivered an extension lecture in the Centre

**45. List the teaching methods adopted by the faculty for different programmes.**

- through Books, Tutorials, Practicals, Seminars, Assignments and Discussions on new and advance topics.
- Use of Projector & ICT techniques, Practical method, Special care on individual, interactive learning process

**46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- By interacting with students and discussing departmental issues during departmental meetings.

**47. Highlight the participation of students and faculty in extension activities.**

- Holding Seminar, Quiz Contest and paper reading competition.

**48. Give details of “beyond syllabus scholarly activities” of the department.**

- Sports Activities, Health Programmes, Lecture in Moral Education, Cultural Activities, Social Activities, Educational Tours, Industrial Tours and Career Counseling.

**49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.**

- No

**50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.**

- Regional Centre prepares students as per the current requirement of industry and curriculum of university. Students are also given working knowledge applying to different situations applicable to their working place after completing the different programmes being introduced at Centre.

**51. Future plans of the department.**

- Introducing of M.Phil. course, Industry linked course

Contents:

- Introducing of M.Phil courses in the subjects of English, History, Commerce & Mathematics alongwith Industry linked course, Department of Psychology, Department of Law, Department of Journalism & Mass Communication, Department of Education, Department of Physical Education, Department of Hindi, Department of Political Science, Department of Physics, Department of Chemistry, Department of Engineering, Department of Defence Studies, Department of Geography, Department of Pharmaceutical Science.

**52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**A) Strength:**

- a) Well qualified staff,
- b) big library
- c) submissive students
- d) mostly students having rural background
- e) students are hardworking and laborious.

**B) Weakness:**

- a) Students communication skill are very poor
- b) students have no good school education
- c) students are not responsive
- d) centre is in its childhood.

**C) Opportunities:**

- a) Centre is situated around the industrial area and there is a big scope of job opportunities than other areas.

**D) Challenges:**

- a) to make students responsive
- b) improving their communication skills
- c) to create competitive secrete
- d) to make courses industry linked.