

MAHARSHI DAYANAND UNIVERSITY, ROHTAK

(A State University established under Haryana Act No. XXV of 1975)

'A' Grade University Accredited by NAAC



Organizing

NATIONAL LEVEL WINTER SCHOOL TRAINING PROGRAMME IN THE FIELD OF GEOSPATIAL TECHNOLOGIES

(24th November – 14th December 2016)



Sponsored by

**NRDMS, (DST)
Government of India
New Delhi**

Venue:

Swaraj Sadan

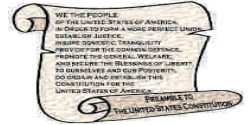
**Maharshi Dayanand University, Rohtak
Haryana, India**

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PREAMBLE



The ecological system, the very base of production is under great stress in many parts of the world due to growing pressure of human and livestock population. The ever increasing population, severe deforestation, soil erosion, sedimentation of watersheds, floods, droughts, desertification and hosts of related factors have been exerting pressure on our natural resources. The challenge is to make these resources more productive and their exploitation less hazardous. In monitoring the real world and adjusting human activities in constructing the future world towards sustainable development, planning is the controlling system. A strategy based on integrated management of land, water and other resources coupled with appropriate technologies should be adopted. However, conventional methods for planning have to be reviewed to incorporate parameters arising out of social, environmental and other related socio-economic factors. There is a need of the hour to use latest technology for such achievements.

These issues can be addressed by Geospatial Technologies in greater perspective and can evolve workable solutions and alternatives to improve the decision tools for development in foreseeable future. Geoinformatics technology includes Remote Sensing, Geographic Information System (GIS) and Navigation System. Keeping in view all this, Department of Geography propose to organize a 21 days Winter School Training on "Geospatial Technologies" under NRDMS programme of DST, New Delhi from **24th NOVEMBER - 14th DECEMBER 2016**. The workshop will focus on imparting the knowledge to the participants on theoretical concepts of geospatial technology and hands on training on open source softwares like Q GIS and SAGA.



1. The participants will be exposed to the advanced concepts of Remote Sensing, Image Processing, GIS and Navigation Systems and the underlying spatial data structures used in GIS.
2. To provide working exposure of open source softwares like Q GIS and SAGA. Field based exercises on instruments like GPS, DGPS, Spectroradiometer etc will also be the part of training programme.
3. To train the participants in geospatial technologies by involving them in a mini project for preparing resource inventory on land, water, forestry, agriculture, urban, e-governance etc.
4. To provide an opportunity to the faculty members of University/ College/ Institute and user departments of Central/State Government to interact themselves and also with the resource persons of repute coming from all over India.

WHO CAN APPLY



Basic aim of the training programme is Capacity Building in the field of Geospatial Technologies. The training programme is open to academicians working in recognized Universities, Colleges and Institutes. They can be from the subject of Geography, Economics, Physics, Geophysics, Geology, Mathematics, Statistics, Computer Science, Botany, Zoology, Environmental Science, Agriculture Science, Engg. & Technology, Urban Planning and any person from other subject using the tools of Geospatial Technologies.

Centre/State government officials using geospatial technologies may also apply for the said programme.

HOW TO APPLY



Application duly filled in may be sent to the Coordinator through e-mail : msrana241@gmail.com. It must reach to the coordinator latest by **23rd October 2016**. Only those applications will be considered which are sent through proper channel and received within due date. The eligibility of the officer trainee will be assessed based on the urgency, necessity, potential and scope of future use of the geospatial technologies. The candidates selected for the training programme will be informed by **25th October, 2016**.

There is no registration fee. The training programme is sponsored by the Department of Science of Technology (DST), Government of India, New Delhi. Registered participants will be paid T.A. as per M.D. University rules.

ACCOMODATION AND HOSPITALITY



Registered participants will be provided all hospitality during their stay at M.D. University, Rohtak. Accomodation on sharing basis for outstation participants will be arranged in the University Faculty House/Guest House.

ROHTAK : THE HOST CITY



Rohtak, pulsating with people and vitality, is a city with historical past, a vibrant present and a promising future. The city is about 50 miles from National Capital Delhi on Delhi-Hisar National Highway (NH-10), about 240 Kms from the state capital Chandigarh and 150 Kms from Kurukshetra (a famous ancient place in Haryana). Rohtak is well connected both by rail as well as road. The nearest Airport is at New Delhi. With an Indian Institute of Management (IIM), Maharshi Dayanand University (MDU) and Pt. B. D. Sharma University of Health Sciences, the city has become an educational hub in the north-western part of India. The weather of Rohtak will be celebratious and pleasant in the first half of the training programme whereas cold in the second half. Participants are advised to bring woolens with them.

M.D.U : THE HOST ORGANIZATION



With an objective to promote inter-disciplinary higher education and research in the fields of environment, ecology and life sciences, Maharshi Dayanand University was established in 1976. It was named after 'Maharshi Dayanand', a great visionary and social reformer.

The University Campus, spread over an area of 665 acres with magnificent landscape dotted with state-of-the art buildings which present a spectacle of harmony in architecture and natural beauty. With excellent infrastructure, university has earned a name for itself as a leading educational institution and is fast developing as an academic hub for traditional as well as professional courses. Presently, it offers education and research programmes through 36 Post Graduate Departments and Directorate of Distance Education (DDE) at its main campus at Rohtak. Besides, the University runs Law and Management programmes through University Institute of Law & Management Studies (ULIMS), Gurgaon.

More than 500 colleges of general education, engineering & technology, computer science and management spread over 10 districts of Haryana are affiliated to this university.

THE DEPARTMENT OF GEOGRAPHY



The Department of Geography was established in the year 1983 with an objective of imparting teaching at Master's level. With passage of time the department expanded and new programmes were added in the list. In the year 1990, M.Phil programme was introduced. In 2008, a Post Graduate Diploma in Remote Sensing and GIS was started. This programme was upgraded into M.Tech in Geoinformatics in 2010. With a capacity of 20 students, two years programme i.e. M.Sc Geoinformatics was introduced in the year 2012. Presently, the department is offering one year P.G. Diploma in Remote Sensing and GIS.

Housed in a spacious building, the department is equipped with a team of qualified faculty with adequate experience and superior academic credentials. The department has developed a state of the art fully air-conditioned Remote Sensing, GIS and Image Processing Lab. It is due to its infrastructural strength the Department could able to hold NRDMS (DST) sponsored training programmes on Geospatial Technologies in quick succession i.e. 2011, 2012, 2014 and 2015. The department added another feather in its cap by organizing International Geographical Union (IGU) Conference on Geoinformatics for Biodiversity and Climate Change during 14-16 March 2013.



Snapshots of Winter School 2015



Snapshots of Winter School 2015



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APPLICATION FORM

NRDMS, DST SPONSORED WINTER SCHOOL FOR TRAINING IN GEOSPATIAL TECHNOLOGIES (24 Nov-14 Dec. 2016 DEPARTMENT OF GEOGRAPHY : M.D.UNIVERSITY, ROHTAK, Haryana

Name.....
Designation.....
Official Address.....
Subject
Date of Birth.....Gender (Male/Female).....
Educational Qualifications (Graduation and Above).....
Degree/Diploma/Certificate Course in R.S. and GIS.....Yes/ No
If yes, then give detail.
Any workshop / Training programme attended on Remote Sensing/ GIS : Yes/ No. If yes, then give detail.
Computer Skills.....
Accommodation requiredYes/No
Address for Correspondence
Contact No (s) MobileOffice.....Landline.....
E-mail.....
(Please provide these details correctly since correspondence will be made on these contact numbers and e-mail only).

Declaration :

I hereby declare that the information given by me in this application form is true to the best of my knowledge and belief.

Date /Place

Signature of Candidate

Certificate from University/College/Institution/Office

Certified that Dr./Mr./Ms.....has been working in this University /College/Institute/Office as.....
I shall be happy to nominate him/her if selected for the NRDMS, DST, GOI sponsored Winter School on Geospatial Technologies to be conducted w.e.f. 24th Nov. to 14th Dec, 2016 at M. D. University, Rohtak, Haryana.

Forwarding Authority (With Seal)