



**DEPARTMENT OF ECONOMICS**  
**MAHARSHI DAYANAND UNIVERSITY, ROHTAK**  
(A State University Established under Haryana Act No. XXV of 1975)  
NAAC Accredited 'A' Grade University



**Invites**

**Applications**

**for**

**Two-Week Capacity Building Workshop for Faculty Members in Social Sciences**  
(Sponsored by ICSSR, New Delhi)

**Duration: December 18–December 31, 2015**

**Eligibility: University/College Faculty Members of Social Sciences**

**Last Date for Application Submission: November 2, 2015**

**Communication of Selection: November 6, 2015**

**Confirmation/Registration by the Participants: November 16, 2015**

**Total Number of Seats: 30**

**The participation in this workshop is free-of-charge.**

**PATRON**

**Sudhir Rajpal**  
**IAS, Vice-Chancellor**  
**Maharshi Dayanand University**

**WORKSHOP DIRECTOR**

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**Head**  
**Department of Economics**  
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**CO-DIRECTOR**

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**Department of Anthropology**  
**University of Delhi, Delhi**

**ORGANIZING SECRETARY**

**Professor Anita Dagar**  
**Department of Economics**  
**Maharshi Dayanand University**

**CONVENER**

**Dr. Bimla**  
**Department of Economics**  
**Maharshi Dayanand University**

# APPLICATIONS OF QUANTITATIVE TECHNIQUES IN SOCIAL SCIENCES RESEARCH

## I. INTRODUCTION

It is well known that achieving excellence in higher education has been the most daunting of all the challenges faced by policymakers in India. Of several policies mooted and implemented by the central government to reform the higher education sector, one major change introduced by the University Grants Commission (UGC) in the wake of the Sixth Pay Commission in 2009 for faculty in colleges and universities is the adoption of Academic Performance Indicator (API) under the Performance Based Appraisal System (PBAS). The stated objective of the system is to regulate promotions of incumbent teachers as well as the recruitment of new teachers based on the teacher academic performance. In addition, the system is believed to encourage, motivate, and incentivise teachers in their academic pursuits, and at the same time ward off biases and favouritism in the process of promotion under the career advancement scheme and direct recruitment. However, the faculty members in the social sciences are not ready to adopt this change in its true spirit.

The gap between belief and ground reality has resulted into a proliferation of unacceptable academic fraud across the country. For example, an increase in cases of plagiarism, false data and results, multiple submissions, emergence of flood of poor-quality dubious paid journals and conferences presenting themselves as peer-reviewed, crowd of just API score seekers in technical seminars, etc. can be seen everywhere in the present academic atmosphere. These undue practices have caused threats to the quality and integrity of the social sciences in India. On one hand the government has failed to attract, select and retain talented and quality manpower in the teaching profession and introducing unrespectable and reluctant radicals on the other. Essentially, this phenomenon is ramping up the noise and drowning out the signal of quality scientific research and teaching. It is widely accepted that in pursuit of the excellence in higher education the capacity building programmes can play a central role. Against this backdrop, it is considered imperative that social scientists are made aware of standardized research methods, techniques and tools. In general, more attention needs to be paid to develop research and teaching capacity in social sciences faculty members. This can be best achieved by conducting the short-term courses and training workshops for university and college level teachers.

The capacity building workshop has been designed to train the teachers in the social sciences to deal with basic research issues. It is to enable the faculty members to learn the important tools and methods of social sciences research. The workshop is aimed at answering the questions such as: (1) How the research proposal for competitive grant can be designed and executed? (2) What is an appropriate research tool? (3) How to convert the completed research (e.g., PhD thesis and project report) into publishable material of high quality in the form of journal articles/books? (4) How to select a standard journal for dissemination of the research findings? (5) How to deal with the referees' comments? (6) How to prevent plagiarism? In sum, the

workshop will be helpful to faculty members of all social sciences of the state/central universities and colleges who do not have much exposure in good quality research and teaching.

## **II. OBJECTIVES OF THE WORKSHOP**

The chief aim of the workshop is to enable the faculty members for the use of appropriate techniques in research in social sciences. Specifically, the objectives are to:

1. Facilitate the understanding of the application of appropriate quantitative techniques in various types of research in social sciences.
2. Enhance skills of preparing an appropriate research design.
3. Enhance the awareness for writing a good quality research paper for publication and develop the capacity for planning and writing a book.
4. Update the skill for writing competitive grant proposals and provide ideas about emerging researchable areas.
5. Provide through exposure to use of PASW, STATA and E-Views for economic analysis.

## **III. FOCUS**

As mentioned above, the focus of the workshop will be on applications of quantitative techniques in research in social sciences. It is aimed at providing knowledge of essential tools and techniques through classroom exercises with practical data. The emphasis will be on providing knowledge of the operation of computer software packages so that the teachers can link classroom teaching with research and self-generated new knowledge.

## **IV. SUB-THEMES FOR WORKSHOP**

The training workshop would broadly focus on:

- Meaning and Aspects of Research
- Research Design
- Survey Method and Sampling
- Basic Quantitative Analysis
- Analysis of Data
- Politics of Research
- Structure of Research Proposal
- Quantitative Research
- Ethics in Academic Writing
- Elements of Academic Writing
- Selection of Journal
- Submission of Research Paper
- Publication Process
- Dealing with Proof

## **V. PEDAGOGY**

The pedagogy for the workshop consists of a combination of expert lectures, interactive sessions and hands on quantitative methods of research through computer software packages like Microsoft Excel, PASW, E-Views, and STATA, etc.

The broad overview of course module:

First week will deal with:

1. Formulating the research proposal
2. Research design
3. Methodology of social science research

Second week will focus on academic writing:

1. Paper for journals
2. Books
3. Writing project reports
4. Paper clinic (actual papers will be taken-up for discussion)

## **VI. CANDIDATES SELECTION FOR WORKSHOP**

The selection of candidates will be done as per the ICSSR guidelines. The applications will be scrutinized on the basis of academic qualifications, quality of publications and the 200-words write up sent by the applicants. Decision of the Selection Committee in this regard will be final. Those who are interested to attend the workshop must submit their application (hardcopy) in the prescribed format (enclosed) to : Head, Department of Economics, Maharshi Dayanand University, Rohtak 124001, Haryana, and at the following e-mail address: [hod.economics@mdurohtak.ac.in](mailto:hod.economics@mdurohtak.ac.in) or [ramphul.ramphul@gmail.com](mailto:ramphul.ramphul@gmail.com) latest by November 2, 2015. Only completely filled applications, duly signed and forwarded through proper channel, will be accepted.

## **VII. APPLICATION REQUIREMENT**

Along with the application form (Annexure I) an applicant should send-

1. A short CV explaining all academic details with work experience and publication details.
2. A 200-words write-up on how research engagement will influence his/her teaching and engagement with the students.

## **VIII. TRAVEL AND ACCOMMODATION**

Out-station participants will be paid TA (as per the University rules) and lodging and boarding will be provided at free-of-charge.

**Schedule and Course-Contents for Capacity Building Workshop for Faculty  
Members in Social Sciences  
Duration: December 18-31, 2015**

<b>Day</b>	<b>Session</b>	<b>Content</b>
Day-1 December 18, 2015 Friday	Session – 1 (Pre-Lunch) (9:30 am - 11:00 am)	Registration, Welcome and Inauguration Importance of Research
	(11:30 am - 1:00 pm)	Basic Tenets of Quantitative Research
	Session – 2 (Post-Lunch) (2:00 pm - 3:30 pm)	Identifying Research Problem
	(4:00 pm - 5:30 pm)	Research Design
Day-2 December 19, 2015 Saturday	(11:30 am - 1:00 pm)	Library Visit
Day-3 December 20, 2015 Sunday	(11:30 am - 3:00 pm)	Field Visit
Day-4 December 21, 2015 Monday	Session – 3 (Pre-Lunch) (9:30 am - 11:00 am)	Stages of Fieldwork
	(11:30 am - 1:00 pm)	Field Notes
	Session – 4 (Post-Lunch) (2:00 pm - 3:30 pm)	Types of Observations
	(4:00 pm - 5:30 pm)	Case Study
Day-5 December 22, 2015 Tuesday	Session – 5 (Pre-Lunch) (9:30 am - 11:00 am)	Types of Interviews
	(11:30 am - 1:00 pm)	Interviewer Training
	Session – 6 (Post-Lunch) (2:00 pm - 3:30 pm)	Sampling, Sampling Errors
	(4:00 pm - 5:30 pm)	Types of Questionnaires Construction of Questionnaire

Day-6 December 23, 2015 Wednesday	Session – 7 (Pre-Lunch) (9:30 am - 11:00 am)  (11:30 am - 1:00 pm)	Hypothesis Testing  Developing Proposal for Competitive Grants Sources of Research Fund
	Session – 8 (Post-Lunch) (2:00 pm - 3:30 pm)  (4:00 pm - 5:30 pm)	Ethics in Research  Training in Microsoft Excel
Day-7 December 24, 2015 Thursday	Session – 9 (Pre-Lunch) (9:30 am - 11:00 am)  (11:30 am - 1:00 pm)	Statistical Tests, Level of Significance Ordinary Least Squares Method  Econometric Problems
	Session – 10 (Post-Lunch) (2:00 pm - 3:30 pm)  (4:00 pm - 5:30 pm)	Panel Data Analysis  Training in PASW
Day-8 December 25, 2015 Friday	Session – 11 (Pre-Lunch) (9:30 am - 11:00 am)  (11:30 am - 1:00 pm)	Participants Presentation  Participants Presentation
	Session – 12 (Pre-Lunch) (9:30 am - 11:00 am)  (11:30 am - 1:00 pm)	Ethics in Research Participants Presentation  Participants Presentation
Day-9 December 26, 2015 Saturday	Session – 13 (Pre-Lunch) (9:30 am - 11:00 am)  (11:30 am - 1:00 pm)	Paper Clinic Types of Academic Writings Planning for Authoring Book
Day-10 December 27, 2015 Sunday	(11:30 am - 1:00 pm)      Library Visit	
Day-11 December 28, 2015 Monday	Session – 14 (Post-Lunch) (2:00 pm - 3:30 pm)  (4:00 pm - 5:30 pm)	Paper Clinic Preventing Plagiarism Framing the Groups of Participants for Writing Papers

	Session – 15 (Pre-Lunch) (9:30 am - 11:00 am)  (11:30 am - 1:00 pm)	Structure of Research Paper  Model Paper Discussion
Day-12 December 29, 2015 Tuesday	Session – 16 (Pre-Lunch) (9:30 am - 11:00 am)  (11:30 am - 1:00 pm)	Data Analysis Presentation of Results Hands on STATA Hands on E-Views
	Session – 17  (Post-Lunch) (2:00 pm - 3:30 pm)  (4:00 pm - 5:30 pm)	Dealing with Referees' Comments  Sources of Research Funding
Day-13 December 30, 2015 Wednesday	Session – 18 (Pre-Lunch) (9:30 am - 11:00 am)  (11:30 am - 1:00 pm)	Presenting a Hypothesis  Participants Presentation  Participants Presentation
	Session – 19 (Post-Lunch) (2:00 pm - 3:30 pm)  (4:00 pm - 5:30 pm)	Organising and Presenting an Argument Participants Presentation  Participants Presentation
Day-14 December 31, 2015  Thursday	Session – 20 (Pre-Lunch) (9:30 am - 11:00 am)  (11:30 am - 1:00 pm)	Economic Modelling Emerging Issues of Research
	Post-Lunch (2:00 pm to 3:30 pm)	Valedictory Function – Distribution of Certificates

**Note:**

Breakfast: 8:00 am to 9:00 am; Tea Break: 11:00 am to 11:30 am; Lunch: 1:00 pm to 2:00 pm; Tea Break: 3:30 pm to 4:00 pm; Dinner: 8:00 pm to 9:00 pm.

**Coverage of the Workshop Announcement by a National Daily *Hari Bhoomi: Rohtak Bhoomi*, Page 16, September 25, 2015, and “University News”, Volume 53, Issue No.41, p 30, October 12-18, 2015, Journal of Association of Indian Universities, New Delhi.**



तैयारी

मदवि में शिक्षक करेंगे मंथन, 18 दिसंबर से 31 दिसंबर तक होगी कार्यशाला

# स्वद की क्षमता का निर्माण सीखेंगे

हरिभूमि न्यूज. रोहतक

महर्षि दयानंद विश्वविद्यालय के शैक्षणिक विभागों और महाविद्यालयों में पढ़ाने वाले शिक्षकों के लिए अच्छी खबर है। विवि में आगामी दिसंबर माह में शिक्षक क्षमता निर्माण कार्यशाला होगी। इसमें शिक्षकों की समस्याओं से निपटने, गुणवत्तापूर्ण शोध को बढ़ावा देने और भावी उच्च शिक्षा की भूमिका समेत कई विषय मंथन के लिए रहेंगे। विवि की ओर से होने वाली इस कार्यशाला को अहम् माना जा रहा है। करीब 15 दिन तक चलने वाली कार्यशाला में सामाजिक अध्ययन विषयों से जुड़े शिक्षाविद ही शिरकत करेंगे। इसके लिए दो नवंबर तक आवेदन जमा होंगे। कार्यशाला 18 दिसंबर से 31 दिसंबर तक होगी। शिक्षकों की जरूरतों को ध्यान में रखते हुए ही इस कार्यशाला में उनकी भूमिका को लेकर विस्तार से चर्चा की जाएगी। कार्यशाला में शिक्षकों को बताया जाएगा कि वे समाज व देश की केंद्रीय भूमिका में हैं। इसलिए उनका दायित्व ज्यादा बनता है। जो शिक्षक इस पर खरा उतरेगा, वही बेहतर नागरिक पैदा कर सकेगा।



## बेसिक रिसर्च इश्यू उठेंगे

कार्यशाला में शोध पर खास जोर रहेगा। इसमें बताया जाएगा कि बेसिक रिसर्च क्या है। कैसे होती है और इसे कैसे करना चाहिए। किस तरह एक शिक्षक अपने विद्यार्थी से शोध कराए ताकि उसका समाज पर बेहतर प्रभाव पड़ सके।

## गुणवत्ता वाली पीएचडी पूरी कैसे करें

कार्यशाला में पीएचडी पूरी करने के तरीके बताए जाएंगे। इसमें बताया जाएगा कि पीएचडी के दौरान कोई भी शोधकर्ता किस तरह की गलतियां करते हैं और कैसे आंकड़े पूरे किए जा सकते हैं।

## ये रहेंगे प्रमुख बिंदु

- आइडिया को सांझा करना
- लिखने की क्षमता को बढ़ाना
- डाटा का आंकलन करना
- सर्वे के तरीके बताना
- शोध की संख्या
- शोध लिखने की नैतिकता
- शैक्षणिक लेखन के तरीके

## वर्कशाप के लिए परीक्षा

वर्कशाप में शिरकत करने से पहले हर शिक्षक को परीक्षा की प्रक्रिया से गुजरना होगा। आईसीएसएसआर नई दिल्ली द्वारा निर्धारित मापदंडों पर जो शिक्षक खरा उतरेगा, वही कार्यशाला में शामिल हो सकेगा। इसके लिए आवेदन करने वाले शिक्षक की शैक्षणिक योग्यता, शोध गुणवत्ता और 200 शब्दों का लेख का अध्ययन होगा। जो पास होगा, उसे हरी झंडी मिलेगी।



Standards of Teaching, Knowledge, Skill and Competence across the Continuum; 22. Teachers' Standards for Pre-School Education and Primary School Education (Multi Subject); 23. Teachers' Standards for Each School Subject for Upper Primary, Lower/ Higher Secondary Teaching; 24. Teachers' Standards for Subjects taught at Degree Stage; 25. Teachers' Standards for Subjects taught at Post Graduate Stage; 26. Teachers' Standards for Subjects taught for Pre Doctoral Students; 27. Teaching for Citizenship and Moral Development; 28. Teaching for Diversity, Inclusion and Special Educational Needs; 29. Technology Integration for Improving Standards; 30. Transferring Research Findings into Practices; 31. Using ICT for Teaching, Learning and Research. For further details, contact Organising Secretary, Dr. Geetha Janet Vitis, Director, CLDD, Department of Education, University of Kerala, Thycaud, Thiruvananthapuram-695 014, Kerala, Mobile: +91 99952 83337, E-mail: [andrew.geetha@gmail.com](mailto:andrew.geetha@gmail.com). For updates, please log on to: [www.aiaer.net](http://www.aiaer.net).

### **Capacity Building Workshop for Faculty Members in Social Sciences**

A two-week ICSSR, New Delhi sponsored 'Capacity Building Workshop for Faculty Members in Social Sciences' is being organized by Department of Economics, Maharshi Dayanand University (MDU) Rohtak during December 18<sup>th</sup>-31<sup>st</sup>, 2015 at the University premises. The faculty members of social sciences disciplines in universities, research institution and colleges may participate in the Workshop.

It is well known that achieving excellence in higher education has been the most daunting of all the challenges faced by policymakers in India. Of several policies mooted and implemented by the central government to reform the higher education sector, one major change introduced by the University Grants Commission (UGC) in the wake of the Sixth Pay Commission in 2009 for faculty in colleges and universities is the adoption of Academic Performance Indicator (API) under the Performance Based Appraisal System (PBAS). The stated objective of the system is to regulate promotions of incumbent teachers as well as the recruitment of new teachers based on the teacher academic performance. In addition, the system is believed to encourage, motivate, and incentives teachers in their academic pursuits, and at the same time ward off biases and favouritism in the process of promotion under the career advancement scheme and direct recruitment. However, the faculty members in the social sciences are not ready to adopt this change in its true spirit.

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resulted into a proliferation of unacceptable academic fraud across the country. For example, an increase in cases of plagiarism, false data and results, multiple submissions, emergence of flood of poor-quality dubious paid Journals and Conferences presenting themselves as peer-reviewed, crowd of just API score seekers in technical Seminars, etc. can be seen everywhere in the present academic atmosphere. These undue practices have caused threats to the quality and integrity of the social sciences in India. On one hand the government has failed to attract, select and retain talented and quality manpower in the teaching profession and introducing unrespectable and reluctant radicals on the other. Essentially, this phenomenon is ramping up the noise and drowning out the signal of quality scientific research and teaching. It is widely accepted that in pursuit of the excellence in higher education the capacity building programmes can play a central role. Against this backdrop, it is considered imperative that social scientists are made aware of standardized research methods, techniques and tools. In general, more attention needs to be paid to develop research and teaching capacity in social sciences faculty members. The Subthemes of the Workshop are:

- Meaning and Aspects of Research;
- Research Design;
- Survey Method and Sampling;
- Basic Quantitative Analysis;
- Analysis of Data;
- Politics of Research;
- Structure of Research Proposal;
- Quantitative Research;
- Ethics in Academic Writing;
- Elements of Academic Writing;
- Selection of Journal;
- Submission of Research Paper;
- Publication Process; and
- Dealing with Proof.

For further details, contact Course Director, Professor Santosh Nandal, Department of Economics Institute of Management Studies and Research, Maharshi Dayanand University, Rohtak-124 001 (Haryana), Mobile: 09812804349, E-mail: [ramphul.ramphul@gmail.com](mailto:ramphul.ramphul@gmail.com). For updates, please log on to: [www.mdurohtak.ac.in/pdf/seminars/Social% 20Sc\\_ workshop18\\_31\\_dec\\_2015.pdf](http://www.mdurohtak.ac.in/pdf/seminars/Social%20Sc_workshop18_31_dec_2015.pdf).

### **International Conference on Computing for Sustainable Global Development**

A three-day International Conference on 'Computing for Sustainable Global Development'

**DEPARTMENT OF ECONOMICS  
FACULTY OF SOCIAL SCIENCES  
MAHARSHI DAYANAND UNIVERSITY, ROHTAK**

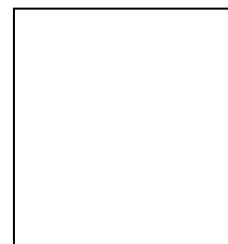
Application Form

Capacity Building Workshop for Faculty Members in Social Sciences

**(December 18–December 31, 2015)**

**PERSONAL INFORMATION**

1. Name (In block letters):
2. Date of Birth:
3. Sex:
4. Educational Qualifications:
5. Community:
6. Mailing Address:
7. Mobile No.:
8. E-mail:



**DETAILS OF EMPLOYMENT**

1. Designation:
2. Department:
3. Address of the College/University:
4. District: State: Pin:
5. Ph.D Programme: Enrolled/Year of Enrolment/Award:
6. Knowledge about the basic Quantitative Techniques ( Yes/No):
7. Accommodation required (Yes/No):

I hereby submit my application duly forwarded by Head/Principal of the Institute.

Place:

Date:

Signature of the Applicant

Recommendation of Head/Principal  
With signature and seal