



MHRD

GOVERNMENT OF INDIA

MAHARSHI DAYANAND UNIVERSITY, ROHTAK

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



10 Days
Faculty Development Programme
on
INNOVATIONS AND RESEARCH METHODOLOGY

For Teachers and Research Scholars from Higher Educational Institutions

From Feb. 9, 2019 to Feb. 18, 2019

Organized by:

Faculty Development Centre
Maharshi Dayanand University, Rohtak, Haryana

Under the Scheme of:

Pandit Madan Mohan Malaviya National Mission on
Teachers and Teaching (PMMMNTT)
Department of Higher Education
Ministry of Human Resource Development, Government of India

About the University

Maharshi Dayanand University came into existence by an Act No. 25 of 1975 of the Haryana Legislative Assembly in 1976 with the objective to promote inter-disciplinary higher education and research in the fields of environmental, ecological and life sciences. Educational and research programmes are offered through its 38 departments. Over the years, the University has endeavoured to attain the highest standards of academic excellence and is accredited with Grade 'A' by National Assessment and Accreditation Council in July, 2013.

About PMMMNMTT

The Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) is a Central Sector Scheme envisaged to address comprehensively all issues related to teachers' preparation, teaching and professional development. The Mission would address current and urgent issues such as supply of qualified teachers, attracting talent into teaching profession and raising the quality of teaching in schools and colleges. It is also envisaged that the Teacher Mission would pursue long term goal of building a strong professional cadre of teachers by setting performance standards and creating top class institutional facilities for innovative teaching and professional development of teachers. Under the mission, a Faculty Development Centre has been set up at Maharshi Dayanand University, Rohtak. This centre will inculcate among teachers the motivations to promote institutional effectiveness through the development of personal, instructional, organizational and professional growth of faculty.

Genesis of the Programme

Faculty development is an essential element of Institutional effectiveness. The extent to which the institution supports faculty development will be strongly reflected at levels of the engagement in learning activities, conduct of research and ultimately fulfilling the objectives and goals of the university. Faculty who engage in professional development experiences benefits also in terms of increased vitality, better informed in terms of development taking in various spheres of education and allied fields,

innovations and scholarly learning. Moreover, it will also contribute to the effective use of emerging technologies and establishes a firm foundation for the overall development of high quality programs and curricula. Faculty development play a critical role in promoting academic excellence and innovation. Ministry of HRD under PMMMNMTT has offered such Faculty Development Programme through the Faculty Development Centre set up at Maharshi Dayanand University, Rohtak.

As per the notification by the UGC wide Gazette of India No. REGD No. DL 33004/99 dated July 18, 2018, the importance of Faculty Development Programme is highlighted for improving the quality of education. These FDPs shall be treated at par with the Short Term Courses which are already being run by the Human Resource Development Centers of the UGC for the purpose of requirements of CAS and the institutes shall send faculty members to such programme in such a phased manner that the teaching aspect does not suffer.

Objectives of the FDP

The primary thrust of this 10 days programme will be to acquaint the participants with contemporary innovations, research methodology and statistical analysis. The key objectives of FDP are:

- To understand the technological revolution and innovations at different disciplines
- To motivate the participants to adopt innovative practices across disciplines and applications
- To provide basic understanding of research process, types of research and concept of measurement
- To provide an understanding on statistical concepts to include hypothesis testing, Factor analysis, multiple regression, assumptions etc.
- To impart capabilities for formulation and testing of hypothesis based on the nature of research
- To encourage the research orientation of keen researchers across various disciplines
- To understand details about steps and statistics involved in simple

research as well as of advanced levels through use of statistical software.

- To comprehend appropriateness of statistical software packages for analyzing research data.
- To enable the participants to understand report writing and writing research proposals.

Tentative Contents of FDP

- Recent Innovations across various Streams and their Applications
- Using Creativity to find solutions for various Sectoral Challenges
- Identify and Uplift of Creativity till Recognition
- How to Build a Culture that promotes Innovation & Creativity
- Discussion on Case Studies related to Innovations
- Nature of Scientific Methods and its Application to Social Phenomenon & Nature, Importance and Scope of Research
- Types of Research, Steps in the Process of Research- Problem Selection, Formulation and Planning: how to write a Proposal
- Types of Research Design, Concepts in Research: Variables & Attributes
- Hypotheses: Concept, Types, Formulation of Hypothesis, Testing of Hypothesis
- Sampling Design: Probability Sampling and Non-Probability Sampling
- Tool of Data Collection: Primary & Secondary- Questionnaire, Types and Formats
- Content Analysis, Reliability and Validity
- Ethnographical and Phenomenological Perspectives of Research
- Descriptive Statistics: Measurement of Central Tendency, Dispersion, Skewness, Kurtosis, Regression and Correlation
- Statistical Inference: Point and Interval Estimates, Parametric and Non-parametric Tests
- Analysis of Variance and Co-variance: One Way and Two-Way Classification
- Multivariate Data Analysis, Multiple Regression Analysis, Factor Analysis & Principle Component Analysis

- Research Paper Writing, Plagiarism, Copyright, Indexing & Citation of Journals and Referencing
- Data Analysis Softwares
- Report Writing: How to write an academic Research Paper, Ph.D. Thesis and Project Proposal

Duration and Venue of Programme

This ten day programme will be organized from Feb. 9, 2019 to Feb. 18, 2019 at Swaraj Sadan, Faculty Development Centre, Maharshi Dayanand University, Rohtak.

The Participants

The FDP will be open to the faculty members of Universities/ Colleges/ Institutes and Ph.D. research scholars of any discipline. The total number of participants shall be restricted to 80.

For participation, the participants need to submit duly filled-in Registration Form (appended at last) in hard copy to the office of FDC or scanned copy by e-mail on *dir.fdc@mdurohtak.ac.in*, *dd.fdc@mdurohtak.ac.in*

Note: No registration fee for the FDP. Participants are advised to carry their own laptops for practical sessions.

Hospitality and Accommodation

Accommodation will be provided free of cost to outstation participants in the university guest house/ hostel, subject to availability and as per university rules. Hospitality will also be provided free of cost to the participants

ORGANIZING COMMITTEE

CHIEF PATRON

Prof. Rajbir Singh

Hon'ble Vice Chancellor

DIRECTOR

Prof. Ajay Kumar Rajan

PROGRAM COORDINATOR

Dr. Madhuri Hooda

82950 81122

ORGANIZING SECRETARIES

Dr. Sanjeev

98125 44449

Dr. Ishwar Mittal

90343 44549

Dr. Sapna

94168 30630

ORGANIZING TEAM

Dr. Pardeep Kumar

94667 67848

Dr. Kapil Malhotra

97293 83000

Dr. Aarti

89309 81878

Ms. Kavita

97287 15099

Faculty Development Centre, M.D.U. Rohtak
(Under PMMMMNTT by MHRD, Delhi)
Application Form



1) Name of Applicant			
2) Name of Programme			
3) Organization/ Institution			
4) Date of Joining in the Organization/ Institute			
Present Basic Pay		Grade pay:	
Total Experience -Teaching:		Research:	
5) a) Date of Birth (DD/MM/YYYY)		Sex(M/F)	
6) Address of Communication			
7) a) Cell Phone No.		(b) E-mail	

Signature of the Applicant (with date)

ENDORSEMENT OF THE HEAD OF THE INSTITUTION

Certified that the applicant Mr./Ms./ Dr. _____ is a faculty , in the Department of _____ in _____
_____(name of the university /college/institution).
His/ her application is hereby forwarded for participation in the above programme to be organized by the Faculty Development Centre, M.D.U. Rohtak.

Signature (with Name & Date) and seal of

Date:

Principal/Registrar/any Competent Authority

This form must be printed, filled correctly and completely and duly signed by authority, with proper seal affixed. The filled-in application form may be sent to the address given below:

Programme Coordinator,

Faculty Development Centre, Swaraj Sadan, M.D.U., Rohtak.

Or scanned copy may be e-mailed to *dir.fdc@mdurohtak.ac.in*, *dd.fdc@mdurohtak.ac.in*