



## MAHARSHI DAYANAND UNIVERSITY

Rohtak-124001, Haryana

(A+ Grade NAAC Accredited University)

### Malaviya Mission Teacher Training Centre (MMTTC)

&

### Research & Development Cell

Organises

One Week Short Term/Faculty Development Program on

**Tools and Techniques to Achieve research Output to the Next Level**

**(Open for all Faculties)**

**Duration: One Week (Sept. 24 - 30, 2025)**

**Mode: Offline**

Venue: UGC- MMTTC, FDC Building, Maharshi Dayanand University, Rohtak

**Target Group: Teaching faculty working as Assistant Professors, Associate Professors, Professors in UTDs and in Higher Education Institutions**

#### Registration Process for the program:

- ❖ Visit <https://mmc.ugc.ac.in/>
- ❖ Register Yourself: <https://mmc.ugc.ac.in/registration/index> if first time user.
- ❖ Receive Confirmation Email with Log-in Credentials
- ❖ Log-in: <https://mmc.ugc.ac.in/LOGIN/Index>
- ❖ Apply for Training Program Tab & select "Maharshi Dayanand University Rohtak" & click on Participate.

## PROGRAM OUTLINE

### 1. Background and Rationale

In today's competitive academic and research ecosystem, producing high-quality research output is essential for career advancement, institutional ranking, and societal impact. Faculty and researchers must be equipped with modern tools, techniques, and strategies to enhance the efficiency, quality, and visibility of their research. This program is designed to provide hands-on exposure to digital tools, research methodologies, data analytics, and publication strategies that can elevate research outcomes to international standards.

### 2. Objectives

The primary objectives of the program are:

- To familiarize participants with advanced tools for literature review, reference management, and plagiarism detection.
- To train participants in research design, data analysis, and visualization techniques.
- To develop skills in writing impactful research papers and targeting high-quality journals.
- To introduce tools for enhancing research visibility, citations, and academic networking.
- To provide insights into research ethics, funding opportunities, and patenting.

### 3. Target Participants

- University faculty members
- Faculty members from colleges.
- Faculty members from other higher education institutes.

### 4. Course Content / Modules

- Research Design and Methodology
- Data Collection & Analysis Tools
- Enhancing Research Writing Skills
- Publishing in High-Impact Journals
- Research Visibility and Collaboration
- Research Funding, Ethics, and Patents

### 5. Methodology

- Expert lectures
- Hands-on training sessions
- Case studies and group work
- Demonstration of tools and software
- Interactive discussions and Q&A

## 6. Expected Outcomes

By the end of the program, participants will be able to:

- Use digital libraries, databases, and AI-powered tools for effective literature review.
- Manage references, citations, and research documents efficiently.
- Apply advanced statistical and qualitative techniques for data analysis.
- Draft high-impact research manuscripts suitable for reputed journals.
- Leverage platforms such as ORCID, Scopus, and Google Scholar for research visibility.
- Explore funding opportunities and understand the basics of intellectual property rights

## 7. Resource Persons

Eminent Resource persons will deliver their talks in the program on specific topics

## 8. Certification

Participants will be evaluated based on attendance, participation, assignments, and final presentations. Successful candidates will receive a certificate of participation. **The certificate will be valid for UGC requirements under CAS, promotions and recruitments.**

## 9. Relevance

This short-term faculty development program is an opportunity to realign research output with the urgent demands of our time. By incorporating various tools and techniques, the present program will equip teachers in achieving the higher output levels and more socially oriented solutions as envisaged in NEP-2020.

### Important Instructions

- ❖ The interest should apply through online mode only for the programmes scheduled in session 2025-26 through UGC portal <https://mmc.ugc.ac.in/>
- ❖ Forwarding/ NOC/ Permission from the host institution after submission of the application is mandatory. Applicants are required to send the same from their registered mail id to [fdcmmttc@mdurohtak.ac.in](mailto:fdcmmttc@mdurohtak.ac.in).
- ❖ Duly filled in Applications should reach well in time before the commencement of the programme/ Course. The selection of the participants will be done strictly as per the guidelines and norms of UGC.
- ❖ All programmes are full time. Timings are 10:00 AM to 5:00 PM daily and attendance is mandatory in all sessions.
- ❖ Program schedule may change due to unforeseen circumstances.
- ❖ The participants will have to make their own arrangements for stay however, can be provided accommodation on payment basis in university upon request. Refreshment and working lunch will be provided to the registered participants.
- ❖ No TA/DA will be given to the participants.

### Patron in Chief

**Prof. Rajbir Singh**

Hon'ble Vice Chancellor  
M.D. University, Rohtak

### Patrons

**Prof. Suresh Chander Malik**

Dean Academic Affairs

**Dr. Krishan Kant**

Registrar

### Conveners

**Prof. Munish Garg**

Director,  
UGC- MMTTC

**Prof. Harish Dureja**

Dean, Research &  
Development Cell

**Dr. Madhuri Hooda**

Deputy Director &  
Project Coordinator, UGC-  
MMTTC

### Course Coordinators

**Prof. K. K. Sharma,**

Department of  
Microbiology

**Prof. Deepti Hooda**

Department of  
Psychology

**Dr. Samander Kaushik**

Centre for Biotechnology

### Additional Co-Coordiators

**Dr. Sajjan Dahiya**

Department of  
Physics

**Dr. Deepak Chhabra**

UIET

For any query, please contact

[dir.fdc@mdurohtak.ac.in](mailto:dir.fdc@mdurohtak.ac.in), [dd.fdc@mdurohtak.ac.in](mailto:dd.fdc@mdurohtak.ac.in)

