

SHORT TERM PROGRAMME
ON

RESEARCH METHODOLOGY & DATA
ANALYSIS

under the aegis of
MALAVIYA MISSION - TEACHER TRAINING
PROGRAMME

9- 14 DECEMBER, 2024



ABOUT THE PROGRAMME

Online short-term programme on Research Methodology & Data Analysis is designed to equip participants with essential research and data analysis skills. Over the span of 6 days, the programme covers fundamental research design, data collection methods, and hands-on training in statistical analysis. Participants will learn key concepts in both qualitative and quantitative research, develop expertise in analyzing real-world datasets, and receive guidance on ethical research writing. Ideal for researchers, academicians, the program offers practical skills that can be immediately applied in academic and professional settings, culminating in a Certificate of Completion.

**MALAVIYA MISSION - TEACHER
TRAINING PROGRAMME**



PROGRAMME COORDINATOR

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ORGANIZED BY



**Department of Management Studies and
Industrial Engineering
IIT (ISM) Dhanbad**



ABOUT THE INSTITUTE

IIT (ISM) Dhanbad, nestled in the heart of India's coal and mineral belt, has a rich legacy that dates back to its inception in 1926 as the Indian School of Mines. Initially established to meet the growing demand for skilled professionals in mining and geology, the institute has since evolved into a premier institution recognized for its contributions to engineering, applied sciences, management, and humanities.

In 2016, IIT (ISM) was granted the prestigious status of an Indian Institute of Technology, reflecting its commitment to excellence in education and research. The institute offers a diverse range of undergraduate, postgraduate, and doctoral programs across 18 departments, fostering innovation and interdisciplinary collaboration.

IIT (ISM) Dhanbad not only focuses on technical education but also encourages students to envision the future of technology through a holistic approach that integrates various fields. With state-of-the-art facilities and a vibrant campus life, it nurtures leaders and innovators who are poised to make significant impacts on society and the global stage. As a hub for aspiring engineers and researchers, IIT (ISM) continues to shape the future of technology in India and beyond.

COURSE CONTENT

- Introduction to research methodology.
- Problem formulation & research design.
- Literature review.
- Scaling concepts.
- Sampling concepts.
- Questionnaire design
- Hypothesis testing
- Data analysis
- Structural Equation Modeling.
- Research ethics.
- Research paper writing.

RESOURCE PERSONS

Faculty members from IITs and reputed academic institutions or industries.

ELIGIBILITY

Faculty members in Central, State, Deemed to be Universities, Private Universities, Institutions of National Importance, Colleges, and other HEIs.

Contractual, Ad-hoc, guest faculty etc. are also eligible. Refer link (*) for more details.

IMPORTANT INFORMATION

Time and Venue/Mode:

Dates: 9th - 14th December 2024

Mode: Online

Program Fee: Nil

Total lecture hours - 36

How to Apply

To apply online, visit-

<https://mmc.ugc.ac.in/Login/Index>



ABOUT THE DEPARTMENT

The Department of Industrial Engineering and Management was established in 1977 offering M. Tech programme in Industrial Engineering and Management (IE&M). Having run the M. Tech. programme in IE&M for two full decades, the department gained requisite experience as well as expertise for running the MBA program. Keeping pace with the changing times, the erstwhile Department of Industrial Engineering and Management (IE&M) was restructured and re-christened as Department of Management Studies & Industrial Engineering and launched its MBA programme in 1997.

Since its inception, the department has been moving ahead, continuously in tandem with the growth and diversification in the business field maintaining constant interaction with various industries. The department has been constantly rated as A/A+ institute by the various rating agencies including AIMA-Business Standard, Business World, Business India, Outlook/C-fore etc. in their B-School surveys conducted from time to time.

Interested participants need to follow these steps to complete the registration process.

1. The participants should first register at <https://mmc.ugc.ac.in/> using their email ID.
2. Use the Login credentials received over the registered Email Id to LOGIN as PARTICIPANT.
3. From the Dashboard click on “Short Term Programme”
4. Click on Apply for and Select “the respective category of the program i.e. Short Term Programme”
5. Select Centre & Programme Date: IIT Dhanbad (ISM) (Jharkhand) (09/12/24 - 14/12/24)
6. Fill in the required details like Your Subject Area Specialization; Year of Joining; Teaching Experience and others
7. Click on “Upload NOC” button and upload the NOC duly signed and approved by the Head of your Institution by clicking on the 'Choose File' Button.
8. Click on Submit button.
9. Last date to register is 08.12.2024, but please register well in advance.
10. The participants will get a confirmation Email after registration.

For more details follow link () <https://mmc.ugc.ac.in/S/PMMM%20Information%20Brouchure%2003-09-2023-2.pdf>*