



MALAVIYA MISSION TEACHER TRAINING PROGRAMME



ONE WEEK INTERDISCIPLINARY SHORT-TERM PROGRAMME ON

"STATISTICAL MODELING THROUGH SIMULATION IN R"

(Residential Mode)

February 23-28, 2026

INDIAN INSTITUTE OF TECHNOLOGY (ISM) DHANBAD

Organizing Committee

Patron

Prof. Sukumar Mishra
Director

MMTTC Coordinator

Prof. Mrinalini Pandey
Programme Director MMTTC

Course Coordinator

Prof. Gajendra K. Vishwakarma

Contact

Prof. Gajendra K. Vishwakarma
Department of Mathematics &
Computing,
Indian Institute of Technology
(ISM) Dhanbad, INDIA
E-mail: vishwagk@iitism.ac.in
Mob. No.: +91-9471191338

Venue

Indian Institute of Technology
(Indian School of Mines)
Dhanbad, INDIA
Website: <https://www.iitism.ac.in>

Important Dates

Application deadline: **15th Feb 2026**

Notification of shortlisting based
on first come first serve basis

Resource Persons

Eminent experts from premier
institutes i.e. IITs / NITs / IISERs /
NITTER Central / State
Universities, Research
organizations, Industries will be
joining as resource persons.

About The Short-term Course:

The main aim of this short-term programme is to facilitate faculty members from different regions of the country to gain knowledge from experts to equip participants with advanced knowledge and skills across various disciplines to explore statistical concepts, model real-world phenomena, and perform data analysis. The programme will introduce participants to develop fundamental concepts of statistical models, and providing a solid foundation in computation and simulation using R.

Here's a brief outline of what such a course might include: Introduction to R for simulation of statistical models, Overview of advanced statistical modeling including hands-on exercises, Enhance data visualization and interpretation skill, Case studies and project work

The objectives of the proposed short-term programme are

- To understand statistical modelling concepts.
- To develop proficiency in R for simulation.
- To enhance data visualization and interpretation skills
- To implement advanced statistical models to solve real-world problems using simulation
- To foster collaborative problem-solving.

This programme is beneficial for individuals looking to stay updated with current trends in modelling & simulation and improve their overall analytical skills. After attending the short-term programme, the participants will gather both theoretical knowledge and practical skills to apply statistical modeling and simulation techniques in their respective domains

Participants: Eligibility Criteria

- Faculty members working in universities and colleges that are included under Section 2(f) of the UGC Act. The teachers of colleges that do not yet come within the purview of Section 2(f), but have been affiliated to a university for at least three years, will be permitted to participate in the courses. These conditions are applicable only for Residential Training Programmes/Courses.

Application Procedure

- The participants should first register at <https://mmc.ugc.ac.in/>
- After logging in as Participant, from the Dashboard, click on "Apply for Other Programmes"
- Next, select "Short Term Programme / Faculty Development Programme" and select "Indian School of Mines, Dhanbad (23/02/2026 - 28/02/2026)" as Programme Centre.
- Fill in the other required details and upload the NOC (https://mmc.ugc.ac.in/Document/MMTTP_Nomination%20Letter_Format.pdf), duly signed by the Head of your Institution.
- Click on the Submit button. The participants will get a confirmation e-mail after registration

Salient Features of the Course

- The short-term programme will be of one week duration, with a minimum of 06 working days and 36 contact hours (six hours a day, six days a week). The course will have 24 hours of Lectures by resource persons and 12 hours of Hands-on sessions, project works and other activities. There will be MCQ based assessment examination conducted at the end of the course. This course will be considered for Fulfilment of the requirements as laid down by UGC for Career Advance Scheme.
- Application / registration is free of cost. All participants will get instructional materials kit.
- A Certificate will be issued to those who have attended all the sessions and have qualified the Assessment examination.
- Local hospitality which includes boarding, tea/snacks and working lunch will be provided with the help of sponsor (MMTTC) limited to Rs.1000/ per working day per participant. No claim of reimbursement of hospitality expenses by the participants will be entertained.
- No TA/DA will be paid to the participants for attending the workshop. Traveling and other expenses should be borne by participants / sponsoring Institutions only.