



মহাভারত মণিলাল সচিব সচিবালয় লক্ষ্যে, মালবিয়া মিশন সেন্টার
MALAVIYA MISSION TEACHER TRAINING CENTRE
(Erstwhile UGC-Human Resource Development Centre)
Manipur University, Canchipur, Imphal, Manipur
is organizing

**TWO WEEKS INTERDISCIPLINARY
REFRESHER COURSE IN MATHEMATICAL & PHYSICAL SCIENCES**

**12th to 24th JANUARY, 2026
in Online Mode**

THEMES

- To provide advanced training and updated methodologies in Physics, Mathematics and Statistics aligned with the vision of NEP-2020.
- Strengthen conceptual clarity and pedagogical skills for effective teaching-learning practices in Mathematical and Physical Sciences.
- Equip participants with modern computational tools, simulation techniques, and classroom-friendly technology for Physics, Mathematics and Statistics education.
- Encourage interdisciplinary and applied perspectives to enhance understanding of real-world Physical, Mathematical and Statistical systems.

COURSE OBJECTIVES

- Demonstrate enhanced mastery of conceptual and applied aspects of Physical Sciences.
- Integrate modern pedagogical strategies, technology-assisted learning, and evaluation techniques into regular teaching practice.
- Apply computational and analytical methods to model physical phenomena and interpret data using mathematical and statistical tools.
- Develop interdisciplinary understanding linking Physics, Mathematics and Statistics to contemporary scientific challenges.
- Design and implement innovative classroom practices that promote problem-solving, critical thinking and scientific inquiry among students.
- Contribute effectively to research, student mentoring, curriculum development and outcome-based education.

INTAKE CAPACITY - 100

COURSE OBJECTIVES

- To deepen teachers' understanding of foundational and advanced topics in Physics, Mathematics and Statistics, fostering confidence in teaching core and interdisciplinary subjects.
- Introduce contemporary teaching methodologies, technology-assisted learning strategies, and active learning tools to enhance classroom engagement and conceptual reasoning.
- Promote the use of computational modeling, data analysis techniques and scientific reasoning to integrate theory with practical applications.
- Provide exposure to emerging research areas in Mathematical and Physical Sciences, enabling participants to guide student research and innovation.
- Strengthen pedagogical skills through interactive sessions, demonstrations, problem-solving workshops, and collaborative learning activities.

PROGRAMME HIGHLIGHTS

- Expert lectures by distinguished academicians and researchers from Physics, Mathematics and Statistics.
- Exposure to interdisciplinary applications. Training with computational tools for simulations, numerical methods and statistical analysis.
- Discussion of NEP-2020 aligned curriculum design, assessment reforms and learner-centric approaches.

Who Should Attend?

Science Faculty members of Central, State, Deemed Universities, Private Universities, Institutions of National importance, UG Colleges and other Higher Educational Institutions included under Sec. 2 (f) of UGC act with **Physics, Mathematics, Statistics and allied disciplines.**

CONTACT INFORMATION

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**Certificate will be issued after the completion of the course*

Last Date of Registration: 06th January 2026 | No Registration Fee

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