MALAVIYA MISSION TEACHER TRAINING PROGRAMME

शिक्षा मंत्रालय
MINISTRY OF EDUCATION

सत्यमेव जयते

ज्ञान-विज्ञान विमुक्तये

NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

An Institute of National Importance

MALAVIYA MISSION TEACHER TRAINING CENTRE

Established under the Scheme of MMTTP, University Grants Commission (UGC), Ministry of Education, Government of India

One-Week (Residential) Short Term Training Programme on

Infusing AI/ML and its applications into the non-circuit Engineering branch Curriculum

1 - 6 December 2025

STTP Overview:

Artificial Intelligence (AI) and Machine Learning (ML) are transforming engineering practices across all domains, extending far beyond the traditional computer and electronics disciplines. With growing applications in conventional engineering branches including mechanical, civil, metallurgical, chemical, and biotechnology etc, it has become essential for educators to integrate AI/ML concepts into their curriculum to prepare students for future challenges. This Six-Day Short-Term Faculty Development Program (FDP) on "Infusing AI/ML and its Applications for Non-Circuit Engineering Branch Curriculum" aims to empower faculty members with foundational knowledge of AI/ML, essential statistical tools, programming skills in Python, and practical exposure to domain-specific applications. By the end of the program, participants will be able to identify opportunities for embedding AI/ML modules into their departmental courses and design impactful learning experiences for students.

Major Course Content:

- Foundations of AI/ML for Non-Circuit Engineering Disciplines
- Essential Statistics for AI/ML
- Python for AI/ML
- Supervised, Unsupervised, and Deep learning algorithms
- Generative AI for core engineering applications
- AI-driven SHM, Material prediction/microstructural analysis, Bioinformatics, etc.
- Integrating AI/ML into Curriculum
- Mapping AI/ML skills with industry requirements



Scan the QR code to Register

Last date for Registration: 23-11-2025

NO REGISTRATION FEE

Resource Persons for this program:

Faculty members from NIT Warangal and Academicians in the concerned field from IITs, NITs and IndustryExperts will be invited to deliver lectures in the program.

Course duration:

There will be 6-days (36 hours) of engagement including live sessions, Hands-on sessions and assignments etc.

Certification criteria:

The participants must maintain 80% of Attendance, need to submit Assignments in time, and qualify in the final exam with 60% of marks. Candidates will be issued certificates on successful completion of the course.

Who can apply ?

Undergraduate and Post-Graduate faculties from State and Central Universities/Institute, Affiliated Colleges, Constituent Colleges, Private Colleges, Polytechnic Colleges etc. are eligible.

Selection Criteria:

Selection will be done based on first-come-first-serve to a maximum number of 50 Faculty/industry participants. Students/PhD scholars are allowed to participate. The list of selected participants will be intimated through e-mail. There is **No Registration Fee** to attend this program.

Accommodation:

Participants requiring accommodation may book rooms at the Outreach Centre (NITW) on payment basis, as per the nominal charges prescribed by the Institute. Alternatively, rooms can also be booked at nearby hotels such as Balavikasa and Hotel Meridian on payment basis. Contact 0870-2462686 for any further details.

Note: This Programme shall be considered equivalent to One Week FDP/STP for regularization/ CAS.

About MMTTC of NIT Warangal:

The Malaviya Mission Teacher Training Centre (MMTTC) was established at NIT Warangal in the year 2015 under the scheme "Malaviya Mission on Teacher Training Program (MMTTP)" sponsored by the University Grants Commission (UGC), Ministry of Education, Government of India. Since its inception, the Centre has successfully organized various programmes in the form of NEP Orientation programs, Short-term programs, Refresher Courses, FDP programmes and one-month duration Faculty Induction Programme (FIP) for Higher Education Faculty in various theme areas of Science and Technology, Humanities and Social Sciences from which more than 8000 participants have benefitted. Other activities of the MMTTC include offering online courses, curriculum design, carrying out research in educational technology and pedagogy and integrating ICT into the Teaching-Learning process. The MMTTC NIT Warangal has been conducting various programs, online and offline following MMTTP Guidelines and UGC Regulations.

How to Apply? :

Interested participants are required to register by using the online form, link provided below, on or before Last Date. There is **NO REGISTRATION FEE.** It is mandatory to submit the **Nomination Form** from your organization to consider your application.

Registration link: https://mmc.ugc.ac.in/registration/Index

or through Google Form: https://forms.gle/wj7aRP2QD1J492D7A

Program Coordinators

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Important Dates:

Last Date of Application: 23rd November 2025

Intimation of Selection: 24th November 2025

MALAVIYA MISSION TEACHER TRAINING CENTRE

NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

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