

About Electronics & ICT Academy at PDPM IITDM Jabalpur



The Ministry of Electronics and Information Technology (MeitY), Government of India has instituted Electronics and ICT Academies in the year 2015. In the second phase, the academy at PDPM IITDM Jabalpur aims at scalable training programmes in niche areas of Electronics and ICT for the development of the required knowledge base, skills and tools to unleash the talent of the Indian population. The Academy is identified by the MeitY as a hub of activities for capacity building through training, internships, research, and consultancy programmes in fundamental and advanced topics in electronics, information and communication technologies. The Academy conducts customized academic programmes for students, corporate sectors and researchers.

About MMMUT Gorakhpur (U.P.)

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in year 2013 by the Government of Uttar Pradesh in the form of a non-affiliating, teaching and research University after reconstituting the Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962. The university is A grade by NAAC, rank 60 in engineering & 99 rank in overall NIRF ranking.

Faculty Development Programme On

Harnessing AI Techniques for Social Problem Solving and Sustainable Development Goals

The course is designed to provide fundamental knowledge on the recent developments in Artificial Intelligence (AI)-based societal problem solving. The primary aim is to train future generations to use AI based algorithms and methods to promptly identify lead societal problem against a SDGs targets.

Who can attend: Suitable for faculty from colleges, universities, and technical and professional institutes can attend, doctoral researchers, and industry personnel working in allied disciplines can also attend.

Mode of FDP: Online

Important Dates:

Last Date of Registration: August 01, 2026

FDP Dates: August 03- 12, 2026

Coordinators: Dr. Durgesh Singh,
Dr. Satya Prakash Maurya,
Dr. Avaneesh Singh

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Faculty Development Programme On

Harnessing AI Techniques for Social Problem Solving and Sustainable Development Goals

**Jointly Organized by
Electronics and ICT Academy
IITDM Jabalpur**



and

**Madan Mohan Malaviya University
of Technology, Gorakhpur**



*An Initiative of the Ministry of
Electronics and Information Technology,
Government of India*



Faculty Development Programme
On
Harnessing AI Techniques for
Social Problem Solving and
Sustainable Development Goals
August 03-12, 2026 (online mode)

Resource Persons

- Dr. Ajay Pratap, IIT (BHU) Varanasi
- Prof. Rakesh Kumar, MMMUT Gorakhpur
- Dr. Rahul Mishra, NIAMT, Ranchi
- Dr. Durgesh Singh, IIITDM Jabalpur
- Dr. Avaneesh Singh, MMMUT Gorakhpur
- Dr. Manisha Singh, MANIT Bhopal
- Dr. Sameer Jain, AlfaTKa
- Dr. Santosh Mishra, RGIPT Amethi
- Dr. Satya Prakash Maurya, MMMUT GKP
- Dr. Ram Kumar Maurya, Dept of Health
- Dr. Udit Satija, IIT Patna
- Dr. Parvej Akhtar, University of Bisha, SA
- Dr. Arvind Kumar, IISER, Trivandrum

Coordinators

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Course Contents

- Artificial Intelligence: Fundamentals and Emerging Technologies
- AI and digital public infrastructure
- AI for sustainable innovation
- Edge AI, IoT, Digital Twins
- Smart Networks-Federated Learning
- Real-world case studies from government, NGOs, and industry
- Opportunities for interdisciplinary research and funding
- Generative AI applications for SDGs
- Evaluation metrics for social impact
- Writing research proposals and publications

Hands-On Sessions

- Mapping AI applications to the 17 SDGs and best global practices
- Data-driven decision-making, ethics, fairness, transparency, and privacy
- Healthcare, education, agriculture, smart cities, and environmental sustainability
- AI-powered solutions for public services, research, and community development
- Practical implementation of AI tools for addressing real-world societal challenges
- Select appropriate AI techniques for solving real-world problems

Programme Features

- United Nations Sustainable Development Goals
- Opportunities to connect with experts in the field.
- Instructor-led rigorous hands-on sessions.
- Certificate on successful completion.

Registration Details

- Registration link – Please fill out registration using the following link:
<https://forms.gle/AUUoiKjv3isbMeKc6>
- Registration fee: 500/ for all participation
- Last Date for Registration: August 01, 2026

Online Payment Details

Internet banking

Beneficiary Name	PDPM IIITDM Jabalpur
Bank Name	INDIAN BANK
A/C No.	50018692852
IFSC Code	IDIB000M694

- *UPI ID: iiitdmj@indianbk*

