

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 NSUT Delhi



Netaji Subhas University of Technology (NSUT), formerly known as Netaji Subhas Institute of Technology (NSIT), is a hub of higher technical education established to provide education and research in the branches of engineering, technology, sciences, humanities, social sciences, and management for the advancement of learning and dissemination of knowledge in such branches. It was established in the year 1983 as Delhi Institute of Technology with the objective of meeting the growing demands of manpower in the emerging fields of engineering and technology through close social and industrial interface.

Faculty Development Programme On

AI-Driven Smart Systems for Industry 4.0 and Beyond

The course is designed to provide participants with a comprehensive understanding of recent advances in Artificial Intelligence (AI) and its applications in Industry 4.0. The primary objective is to equip faculty members, researchers, and professionals with knowledge of modern AI techniques, including Generative AI, Digital Twins, edge intelligence, and trustworthy AI, while addressing emerging challenges in cybersecurity, intelligent automation, healthcare, and sustainable smart systems.

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

Important Dates:

Last Date of Online Registration: 24 October 2026
FDP Dates: October 26- 30, 2026

Coordinators

- Dr Ranjeet Kumar Ranjan, Assistant Professor, PDPM IITDM Jabalpur
- Dr Rashmi Chaudhry, Assistant Professor, NSUT Delhi
- Dr Ankur Gupta, Assistant Professor, NSUT Delhi

Contact us

Mr. Durgesh Kushwaha

7898670354

academy@iiitdmj.ac.in,

eict@iiitdmj.ac.in

Faculty Development Programme On

AI-Driven Smart Systems for Industry 4.0 and Beyond

**Jointly Organized
by**

**Electronics and ICT Academy
IITDM Jabalpur**



and

**Artificial Intelligence Centre of Excellence
(AI-CoE)**

**Netaji Subhas University of Technology,
Delhi**



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



Faculty Development Programme

On

AI-Driven Smart Systems for Industry 4.0 and Beyond

October 26- 30, 2026 (online mode)

Resource Persons

- Mr. Sanjay Mishra, Principal Software Engineer, Fidelity Investments, USA
- Dr. Manoj Kumar, Senior Scientist, CSIR-IMMT Bhubaneswar
- Mr. Ravi Chandra, Joint Director / Scientist D, CERT-In
- Dr. Neetesh Kumar, Associate Professor, IIT Roorkee
- Dr. Satyarayan Vollala, Associate Professor, Dr SPM IIIT Naya Raipur
- Dr. Pradeep Kumar Seshadri, Assistant Professor, IIT Madras
- Dr. Divya Saxena, Assistant Professor, IIT Jodhpur
- Dr. Daya Sagar Gupta, Assistant Professor, IIT Patna
- Dr. Manoj Kumar Yadav, Assistant Professor, IIT Patna
- Dr. Nisha Chaurasia, Assistant Professor, NIT Jalandhar
- Dr Ankit Kumar Jaiswal, Assistant Professor, JNU Delhi

Patron

Prof. Bhartendu K Singh
Director, IIITDM Jabalpur

Coordinators

Dr Ranjeet Kumar Ranjan, Assistant Professor,
PDPM, IIITDM Jabalpur

Email: ranjeet.kr@iiitdmj.ac.in

Dr Rashmi Chaudhry, Assistant Professor, NSUT
Delhi

Email: rashmi@nsut.ac.in

Dr Ankur Gupta, Assistant Professor, NSUT Delhi

Email: ankur.gupta@nsut.ac.in

Course Contents

- AI-Driven Industrial Transformation and Intelligent Automation
- Artificial Intelligence in Cybersecurity and Digital Trust
- Physics-Aware Deep Learning for Scientific and Engineering Applications
- AI-Driven Smart Additive Manufacturing
- AI and ML for Wastewater Management
- Hallucination and Guardrails in Large Language Models
- Multi-Horizon Forecasting for Sustainable Environmental Systems
- Generative AI, Digital Twins, and Intelligent Automation for Industry 4.0
- AI in IoT for Industry 4.0
- AI in Biomedical engineering

Hands-On Sessions

- Intelligent defect detection and quality assurance mechanisms
- Climate-aware intelligent decision-support systems
- Quantum-resilient security mechanisms for intelligent systems
- Reliability, robustness, and risk mitigation in generative AI

Programme Features

- Rigorous training for theoretical and practical knowledge on Emerging Research Opportunities in AI-Driven Smart Systems
- Opportunities to connect with experts in the field.
- Instructor-led rigorous hands-on sessions
- Certificate on successful completion with full access to the course material.

Registration Details

- Registration link – Please fill out registration using the following link:
<https://forms.gle/b8bzQ3ErvXoHcSnD9>
- Registration fee: 500/ for online participation
- Last Date for Registration: 24 October 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



Note: Registration fee is non-refundable