About Electronics & ICT Academy at PDPM IIITDM Jabalpur

MeitY, Government of India, established Electronics and ICT Academies in 2015. In the second phase, the academy at PDPM IIITDM Jabalpur focuses on scalable training in niche areas of Electronics and ICT to develop essential knowledge, skills, and tools. Identified as a hub for capacity building, it offers training, internships, research, and consultancy in fundamental and advanced technologies.

PDPM IIITDM Jabalpur, established in 2005, focuses on IT-enabled Design and Manufacturing education and research. Declared an Institute of National Importance under the IIIT Act, it offers undergraduate, postgraduate, and Ph.D. programs in Computer Science, Electronics & Communication, Mechanical Engineering, Design, and Sciences, including a B.Tech. in Smart Manufacturing.

About MNNIT Allahabad

Motilal Nehru National Institute of Technology (MNNIT) Allahabad, Prayagraj, is a premier technical institution committed to academic excellence. Established in 1961 as one of India's 17 Regional Engineering Colleges, it was initially affiliated with the University of Allahabad. Briefly (2000-2002), it was under U.P. Technical University before becoming an NIT and Deemed University in 2002. In 2007, it gained the status of an Institution of National Importance. MNNIT began with B.Tech. programs in Civil, Electrical, and Mechanical Engineering and introduced India's first undergraduate Computer Science program in 1976. It later expanded to Electronics, Production & Industrial Engineering, and postgraduate programs, including an MBA (1996). Today, it offers nine B.Tech., nineteen M.Tech., MCA, MBA, M.Sc., M.S.W., and Ph.D. programs. The campus is well-connected with a 94 Mbps lease line.

Faculty Development Programme on

Pioneering 6G: Innovations, Applications, and The Road Ahead

This course is designed to provide participants with in-depth knowledge of emerging technologies and methodologies in 6G communication. It aims to equip educators, researchers, and industry professionals with insights into next-generation wireless networks, key innovations, and real-world applications across sectors like AI-driven connectivity, IoT, and smart infrastructure.

Who can attend: The program is open to faculty from colleges, universities, and technical institutes. Students, fresh graduates, researchers, and industry personnel working in related fields can also participate.

Important Dates:
Last Date of Online Registration: 23rd May, 2025

FDP Dates: May 26 - June 01, 2025

Coordinators:

Dr. Satish Kumar Tiwari (ECED, PDPM IIITDM Jabalpur)

Dr. Sandeep Kumar Singh (ECED, MNNIT Allahabad)

Contact us:
academy@iiitdmj.ac.in, eict@iiitdmj.ac.in

Durgesh Kushwaha +91-7898670354

Faculty Development Programme on
Pioneering 6G: Innovations, Applications, and The Road Ahead

May 26 - June 01, 2025 (Online mode)

Jointly Organized by

Electronics and ICT Academy, Phase II

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

PDPM IIITDM Jabalpur
and
MNNIT Allahabad

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RESOURCE PERSONS

Prof. Vimal Bhatia (IIT Indore)
Prof. Neetesh Purohit (Director, SGSITS Indore)
Prof. Meenakshi Rawat (IIT Roorkee)
Dr. Om Jee Pandey (IIT BHU)
Dr. Munesh Singh (NIT Delhi)
Dr. Girish Chandra Tripathi (Tejas Network)
Dr. Prabhat Sharma (VNIT Nagpur)
Dr. Sandeep Kumar Singh (MNNIT Allahabad)
Dr. Satish Kumar Tiwari (IIITDM Jabalpur)
Dr. Kamal Agrawal (Shiv Nadar University)

Chief Patrons

Prof. Bhartendu K. Singh (Director, PDPM IIITDM Jabalpur)
Prof. R. S. Verma (Director, MNNIT Allahabad)

Patrons

Prof. Aparajita Ojha (Chief Investigator, E&ICT Academy Jabalpur)
Prof. Prabin Kumar Padhy (HOD, ECED, PDPM IIITDM Jabalpur)
Prof. Vijay Shanker Tripathi (HOD, ECED, MNNIT Allahabad)

COURSE COORDINATORS

Dr. Satish Kumar Tiwari
ECED, PDPM IIITDM Jabalpur
sktiwari@iiitdmj.ac.in , +91-8770938589

Dr. Sandeep Kumar Singh
ECED, MNNIT Allahabad
sksingh@mnnit.ac.in , +91-8319371716

Course Contents

- 6G Vision and Emerging Applications
- Advanced Communication Technologies for 6G
- AI and Intelligent Networks
- Semantic Communication
- Quantum and Secure Communications
- Next-Gen Wireless Technologies and Network Architectures
- Integrated and Future-Ready 6G Ecosystem
- NGMA
- SWIFT

Hands-On Sessions

- Simulation of key 6G applications and use cases.
- IRS-assisted wireless communication system modelling.
- Cognitive radio and spectrum sharing simulations.
- IoX, V2X, and aerial network communication modelling.
- NGMA for 6G Networks
- SWIPT
- Reconfigurable Intelligent Surfaces (RIS)
- Visible Light Communication (VLC)

Programme Features

- Advance Research Topics on 6G and Next-Gen Wireless Technologies.
- Opportunities to connect with experts in the field.
- Instructor-led rigorous hands-on sessions with online (live streaming) sessions.
- Certificate on successful completion with full access to the course material.
- FDP will be held in Online mode.

Registration Details

- Registration link – Please fill out registration using the following link: "Google Form Link"
- Registration fee: 500 INR
- Last Date for Registration: **May 23, 2025**

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**