

Online Faculty Development Programme on 5G and Beyond Wireless Communication Challenges

24th Nov. – 3rd Dec. 2025

Jointly organized by Electronics and ICT Academies
Established by the Ministry of Electronics and Information Technology, Govt. of India

IIITDM Jabalpur



IIT Guwahati



IIT Kanpur



IIT Roorkee



MNIT Jaipur



NIT Patna



NIT Warangal



Objective (Electronics & ICT Academy-Phase II)

1. To conduct specialized FDPs for faculty/mentor training in line with the vision of MeitY by promoting emerging areas of technology and other high-priority areas that are pillars of both the "Make in India" and the "Digital India" programs.
2. To promote synergy and collaboration with industry, academia, universities and other institutions of learning, especially in emerging technology areas.
3. To support the National Policy on Electronics 2019 (NPE 2019) which envisions positioning India as a global hub for ESDM sector, including MeitY Schemes/policies such as Programme for Semiconductors and Display Fab Ecosystem; India AI; National Programme on AI, Production Linked Incentive Scheme for IT Hardware & Large-Scale Electronics Manufacturing; EMC; SPECS; Chips to System (C2S); etc.
4. To promote standardization of FDPs through Joint Faculty Development Programmes.
5. To support the vision of the National Education Policy (NEP 2020), which mandates that Indian educators go through at least 50 hours in professional development programmes per year.
6. To design, develop & deliver specialized FDPs on emerging technologies/ niche areas/ specialized modules for specific research areas for Faculty in Higher Education Institutions (HEI), besides FDPs on multi-disciplinary areas connected with ICT tools and technologies and other digital hybrid domains, covering a wide spectrum of Engineering, and non-engineering colleges, polytechnics, ITIs, and PGT educators.

Joint-Principal Coordinator

Dr Trivesh Kumar

trivesh@iiitdmj.ac.in

Assistant Professor, ECE
PDPM IIITDM, Jabalpur

Principal Coordinator

Dr. Ravi K. Maddila

Dr. Satyasai Nanda

Prof. R. P. Yadav

fdp.academy@mnit.ac.in

E&ICT Academy, ECE
MNIT, Jaipur

An intensive 40 Hour Faculty Development Programme in Hybrid mode is being organized for faculty of engineering and technological institutions. It is also open to persons from industry and doctoral students of Indian organizations. The main theme of training program will be oriented around exploring the state-of-the-art methods for 5G and Beyond Wireless Communication. This program will run from 3.00 PM-7.00 PM daily.

Programme Contents

Introduction to Generations of Wireless Communication, Fundamentals of 5G Communication, 5G Standards, 5G Physical Layer, Non-Orthogonal Multiple Access (NOMA), Advances in 5G, Use Cases in 5G Communication, Security in 5G, Antenna Design for 5G Communication, 5G Beyond Communications, Applications

Experts/Speakers

- 1) Prof. Debarati Sen, IIT Kharagpur
- 2) Prof. Preetam Kumar, IIT Patna
- 3) Prof. Prashant Kumar Sahu, IIT Bhubaneswar
- 4) Prof. Rajendra Prasad Yadav, MNIT Jaipur
- 5) Dr. Soumya Prakash Dash, IIT Bhubaneswar
- 6) Dr. Bijayananda Patnaik, NIT Raipur
- 7) Dr. Ramesh B. Battula, MNIT Jaipur
- 8) Dr. Sarthak Singhal, MNIT Jaipur
- 9) Dr. Ila Sharma, MNIT Jaipur

Other Experts from reputed Institutes & Universities

Registration Link: <https://forms.gle/LYwKUKZracLuJyWx8>

Beneficiary Name -PDPM IIITDM Jabalpur

Bank Name - INDIAN BANK

A/C No. - 50018692852

IFSC Code - IDIB000M694



Certification Fee:

Academia (Faculty/Students) from (India/SAARC/Africa): ₹ 500/-

Industry/Others from India/SAARC/Africa: ₹ 1500/-

Rest of the world: US \$ 60/-

The fee covers course material and certification charges.

Contact for queries: Mr. Ashvarya Agrawal 877 095 8231

academy@iiitdmj.ac.in, eict@iiitdmj.ac.in