About Electronics and ICT Academy at PDPM IIITDM 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 IIITDM 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 MANIT Bhopal

Maulana Azad National Institute of Technology Bhopal, is an Institute of National Importance. Presently, along with about 300 faculty Members and 7000 students, the Institute is successfully meeting the objective of producing skilled manpower of the highest quality to cope up with challenges of ever evolving industrial needs of the country. For details visit at www.manit.ac.in.

Faculty Development Programme on
Wireless Communication Technologies: 5G and Beyond

(06th Jan 2025 to 10th Jan 2025)

Welcome to our ground breaking Faculty Development Programme on the Wireless Communication Technologies: 5G and beyond. In this program, participants will explore the cutting-edge developments and transformative capabilities of fifth-generation (5G) networks while exploring the exciting prospects of the next-generation wireless technologies. From understanding the fundamental principles of 5G architecture to envisioning the revolutionary advancements poised to define the future of communication, this FDP offers a comprehensive exploration of the evolving landscape.

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

Important Dates:

Last Date of Online Registration: 31.12.2024

Coordinators:

Dr. R. N. Yadav, MANIT Bhopal

Dr. Lalita Gupta, MANIT Bhopal

Dr. Gaurav Upadhyay, MANIT Bhopal

Dr. Matadeen Bansal, IIITDM Jabalpur

Contact us: 7800601025, wct5geict@gmail.com

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Jointly Organized by
Department of Electronics and Communication Engineering
Maulana Azad National Institute of Technology Bhopal, M.P.

and
Electronics and ICT Academy IIITDM Jabalpur

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

Faculty Development Programme

on

Wireless Communication Technologies: 5G and Beyond

(06th Jan 2025 to 10th Jan 2025)

Resource Persons

Prof. Rajeev Tripathi, VC, RGPV, Bhopal

Prof. Preetam Kumar, IIT Patna

Prof. R. B. Pachori, IIT Indore

Prof. R. N. Yadav, MANIT Bhopal

Prof. Swaminathan, IIT Indore

Prof. Aditya Trivedi, IIITM Gwalior

Prof. V. S. Tripathi, MNNIT Allahabad

Shri M. A. Rahman, DoT, MPLSA, Bhopal

Dr. Lalita Gupta, MANIT Bhopal

Dr. Gaurav Upadhyay, MANIT Bhopal

Dr. Matadeen Bansal, IIITDM Jabalpur

Mr. Swapnil Gaul, Numerigion Technology, Pune

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Course Contents

- Introduction to 5G
- Massive MIMO
- Orthogonal frequency division multiple access
- Antennas in 5G
- Trends in Software Defined Networking
- 5G Beam forming
- Novel signal processing techniques for 5G
- 5G Internet and Security
- 6G Communications at the Terahertz band

Hands-On Sessions

- Hands on 5G use cases
- Edge Computing in 5G
- Security and Privacy in 5G and Beyond
- Modelling waveguides, antennas
- 5G Network Architecture
- Applications of 5G in Industry

Programme Features

- Rigorous training for theoretical and practical knowledge on Wireless Technologies
- 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.

Wireless Communication Technologies: 5G and Beyond

(06th Jan 2025 to 10th Jan 2025)
Registration Details

- Registration link – Please fill out registration using the following link: https://forms.gle/kaMx6Rk7ekzwuAXi8
- Registration fee: 1000/- INR
- Last Date for Registration: 31.12.2024

Online Payment Details

- **Internet banking**

Beneficiary Name	**Maulana Azad National Institute of Technology (MANIT) Bhopal**
Bank Name	**State Bank of India MANIT**
A/C No.	**10020150107**
IFSC Code	**SBIN0001608**

Registration Form

Name: …..……………………..

Designation: ……………...

Department: ……………………………………………..

Organization: ………………………………………

Address: …………………………………………………

Accommodation Required ....Yes / No

Email:...

Mobile Number:...

Details of Electronic transfer /Demand Draft No.

Signature of the Applicant