Online FDP on
5G & B5G Wireless Technologies with MATLAB Practice

July 25-August 5, 2022

Electronics & ICT Academy, PDPM IIITDM Jabalpur

Organised By:

PDPM IIITDM Jabalpur

Course Highlights

- ✓ No prior knowledge of MATLAB is required.
- ✓ Exposure to latest 5G/B5G technologies.
- ✓ Lectures will be held on morning/ evenings and on weekends.
- ✓ Instructor led MATLAB coding sessions for various 5G/B5G technologies.
- ✓ The programme is recognized by AICTE/UGC

Course Coordinator

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Course Content

- MATLAB-Based Wireless Channel Modelling and Analysis
- BER evaluation of digital modulation techniques using MATLAB
- Outage analysis of communication systems using MATLAB
- 5G and B5G goals and overview of key technologies
- OFDM, MIMO-OFDM implementation using MATLAB
- Channel estimation for OFDM
- Ergodic capacity of MIMO channel.
- Space-Time coding
- NOMA and its performance evaluation using MATLAB
- Cooperative NOMA
- MIMO Channel capacity analysis using MATLAB
- Introduction of intelligent reflective surfaces (IRS)

Speakers

- Prof. Aditya Trivedi, IIITM Gwalior
- Prof. Vimal Bhatia, IIT Indore
- Prof. Neetesh Purohit, IIIT Allahabad
- Dr. Sudhan Majhi, IISc Bangalore
- Dr. Suneel Yadav, IIIT Allahabad
- Dr. Shikha Maurya, NIT, Patna
- Dr. Matadeen Bansal, IIITDM Jabalpur

Registration Details

Registration Fee:

- Indian Participants
  Faculty/Students: 500/-
  Others: 1000/-
- Foreign Participants
  - SAARC/African Countries
    Faculty/Students: 500/-
    Others: 1000/-
  - Other Countries: $60

Online Payment:

Beneficiary Name: EICT Academy
Bank Name: Indian Bank
A/C Number: 50302042708
IFSC Code: IDIB 000M694
Branch: Mehgawan

Last Date of Registration:

July 20, 2022

Registration Link:

https://forms.gle/h9LqgP32Vmzcxz2g6