

High-End Workshop (KARYASHALA) on
5G & B5G Wireless Technologies with Simulations and Hands-on
Training on MIMO Prototyping System
June 10-16, 2024 || PDPM IIITDM Jabalpur



About Karyashala

Under the aegis of **SERB's Accelerate Vigyan Scheme** a high-end workshop on “**5G & B5G Wireless Technologies with Simulations and Hands-on Training on MIMO Prototyping System**” is being organised at PDPM IIITDM Jabalpur between 10 to 16 June 2024. Workshop aims to provide an end-to-end knowledge that involves theory, simulation, design and implementation of the 5G and B5G technologies.

Key Contents

- 5G and B5G goals and overview of key technologies.
- MATLAB-based wireless channel modelling, BER evaluation and outage analysis.
- OFDM, MIMO-OFDM implementation using MATLAB.
- NOMA and its performance evaluation
- OTFS Modulation for B5G.
- Visible light communication for B5G.
- Physical layer security.
- Wireless communication through intelligent reflective surfaces (IRS).

Speakers

- Prof. Aditya Trivedi, IIITM Gwalior
- Prof. Vimal Bhatia, IIT Indore
- Prof. Neetesh Purohit, IIIT Allahabad
- Dr. Suneel Yadav, IIIT Allahabad
- Dr. Shikha Maurya, NIT, Agartala
- Dr. Manoj Singh Parihar, IIITDM Jabalpur
- Dr. Satish Sharma, IIITDM Jabalpur
- Dr. Matadeen Bansal, IIITDM Jabalpur
- Dr. Anand Rajput, VIT Vellore

Karyashala Highlights

- ✓ Exposure to latest 5G/B5G technologies.
- ✓ Hands-on session to design, simulate, and implement using MATLAB, LabVIEW, and NI MIMO prototyping system.
- ✓ Close interaction with speakers.
- ✓ Certificate of participation on successful completion of Karyashala.
- ✓ Travel allowance (bus/ train up to AC3).
- ✓ Free accommodation and food in institute VH for 25 shortlisted students.
- ✓ A visit to Dhuandhar waterfall.

Target Audience

- PG students (MSc. /ME/ MTech/ M.S).
- Ph.D Students.
- 4th year UG Students.

Registration Details

Registration Fee: Nil

Deadline to submit application form

May 24, 2024

Announcement of shortlisted candidates

May 25, 2024

Scan to Apply



Contact Details

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