

# PhD Admission (Autumn 2022-23)

# **Electronics and Communication Engineering**

PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur (An Institute of National Importance)

## Vision and Mission

- Research ventures on application oriented field adopting multi-discipline
- Proficient laboratory exposure for skill building
- Innovation & Incubation opportunities towards publications, international exposure IPR filing, entrepreneurship
- Collaborative approaches with Japan
- To serve the nation in academic pathway to build up the new future
- Highly qualified and proficient faculty members with remarkable publication record in high quality journals
- Encourage for international exposure

## **Admission Procedure**

- \* Written Test and Interview
- \* Essential Qualification: GATE or equivalent National Level Test
- \* For details: https://www.iiitdmj.ac.in/phd adv.php

# **Opportunities**

### □ Full Time

- ❖Institute Assistantship (IA)
- ❖Govt./Semi Govt. Fellowship Award (CSIR, UGC, DAE, and DST, etc.)
- ❖Sponsored Candidates from Recognized R&D Organizations/ Academic Institutions/Industry
- Presently 86 research scholars

### □ Part Time

- \*External Candidates, Sponsored by Recognized R&D Organizations / Academic Institution/Industry
- ❖Institute and Project Staff of IIITDM
- Presently 2 scholars under QIP

# **Research Specializations**

# ☐ Communication & Signal Processing

Biomedical Signal Processing, Speech and Music Signal Processing, Image Processing, Machine & Deep Learning

Micro & Nano Electronics

Low Power VLSI Devices & Circuits,
Emerging Nano Devices, Solar Cell, III-V
Hetero-structures, DSSC, Supercapacitor,
TCAD simulation and Modeling.

### ■ Power & Control

Robotics, Process Analysis and Modeling, Delayed Systems, Fractional Order Systems, Coupled Systems, Load fore-casting, Inertia Estimation.

## □ RF & Microwave

Antenna & Filter Designs, Nanophotonics and Plasmonics, Optical and THz communication Frequency Selective Surfaces, Absorbers, Metamaterials

## Achievements (Last 2 Years)

- Publications: 207 Journals + 80 Conferences
- ❖ IPR Filed: 04
- 4 15 international visits by scholars
  - 22 PhD Awards
  - Currently 88 scholars are associated
  - \* Faculties recognized as in top 2% scientists

## Doctoral Alumni @



































# COMSOL Multiphysics,

Lab Facilities

Cadence, Synopsys, Mentor Graphics, Xilinx Vivado, Silvaco, Vector Network Analyzer, Spectrum Analyzer, RF Signal Generator, Anechoic Chamber, High Energy Planetary Ball Mill, HFSS, CST Microwave Studio, ADS, MATLAB, WEIN2K, Lumerical FDTD Solution, NI Mobile Robot, GPS Enabled Trajectory Tracking , Ultrasonic Mobile Robot, Process Analysis Plateforms, Coupled Four Tank System Platform, Platform, Advanced LPKF ProtoLaser U4, Advanced MIMO PXI system



## Contact

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# **Further Details**

Last Date of filling up Application Form: 11/07/2022 Announcement of short-listed candidates

15/07/2022 for written test/Interview: Date of Interview: 22/07/2022

Announcement of Selected candidates on website:

29/07/2022

\*Admission related query: 6268371310 (WhatsApp Number)