



ADMISSION OPEN FOR PhD PROGRAMMES IN ELECTRONICS AND COMMUNICATION ENGINEERING-DECEMBER 2018



Electronics & Communication Engineering (ECE) @ IIITDMJ invites applications for admission to Doctoral Programme under the following categories:

FULL TIME	PART TIME
<ul style="list-style-type: none"> <input type="checkbox"/> Institute Assistantship (IA) <input type="checkbox"/> Govt./Semi Govt. Fellowship Award (CSIR, UGC, DAE, and DST, etc.) <input type="checkbox"/> Sponsored Candidates from Recognized R & D Organizations / Academic Institution/ Industry. 	<ul style="list-style-type: none"> <input type="checkbox"/> External Candidates, Sponsored by Recognized R & D Organizations / Academic Institution/ Industry. <input type="checkbox"/> Institute and Project Staff of IIITDM Jabalpur.

AN IDEAL PLACE TO PURSUE DOCTORAL PROGRAM IN ECE

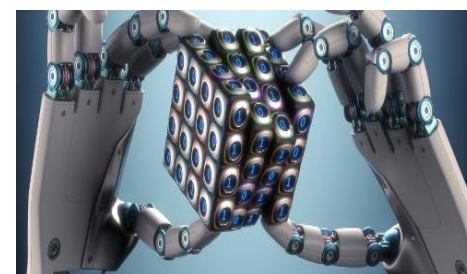
- ✓ Perfect combination of teaching and research activities.
- ✓ Cutting-edge research in specialized field as well as multi-disciplinary domain.
- ✓ Highly qualified and proficient faculty members.
- ✓ Remarkable Publication record in high quality journals.
- ✓ State-of-the-art research laboratories with experimental and computing facilities.
- ✓ National and International research collaborations.
- ✓ Sponsored projects from DRDO, SERB, DST, Deity, and MPCOST, etc.

SPECIALIZATIONS AND AVAILABLE FRATERNITY

- ❖ **Microwave and Communication Engineering:** Dr. Dinesh Kumar V., Dr. Manoj Singh Parihar, Dr. Matadeen Bansal, Dr. Biswajeet Mukherjee, Dr. Ravi Panwar, Dr. Trivesh Kumar, Dr. Atul Kumar
 - ❖ **Signal and Image Processing:** Dr. Anil Kumar, Dr. Varun Bajaj, Dr. Irshad Ahmad Ansari
 - ❖ **Micro and Nano-Electronics:** Prof. P. N. Kondekar, Dr. Dheeraj Sharma, Dr. Dip Prakash Samajdar
 - ❖ **Power and Control Engineering:** Dr. Prabin K. Padhy, Dr. Sachin K. Jain
- Please refer ECE website for detailed profile.

KEY RESEARCH AREAS

Microwave & Communication	Signal & Image Processing	Micro & Nano Electronics	Power & Control Engineering
Advanced RF Circuits & System Design , Smart and Active Antenna Design, Engineered Materials for High Frequency, Nanophotonics and Plasmonics, MMIC, Microwave Absorbers, Wireless and Optical Communication, Cognitive Radio, Digital Communication	Multirate Signal Processing, Biomedical Signal Processing, Speech and Music Signal Processing, Image Processing, Machine Learning, Pattern Recognition, Computer Vision Classification	Low Power VLSI Design, VLSI Technology, Emerging Nano Devices: Modeling and Simulation, 2D Materials: Application in Electronics, III-V Quantum Dot, Solar Cell, III-V Heterostructures	Robotics, Process Analysis and Modelling, Differential Driven Mobile Robots, Delayed Systems, Evolutionary Algorithms, Fractional Order Systems, Coupled Systems.



RESOURCES AVAILABLE

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

ADMISSION PROCEDURE

- ❖ Written test and Interview
- ❖ Candidates should have qualified GATE or equivalent National Level test at some point of time.
- ❖ Please refer the site for details:
<http://www.iiitdmj.ac.in/academics/admission/Post%20Graduate.php>

IMPORTANT DATES

Program Events	Date
Date of Start to Fill up Online Application	October 8, 2018
Last Date of Filling up Online Application	November 5, 2018
Announcement of Short-Listed Candidates	November 12, 2018
Date of Written Test/Interview	December 10, 2018

CONTACT US

Discipline of Electronics and Communication Engineering, Indian Institute of Information Technology Design and Manufacturing Jabalpur
Dumna Airport Road, Jabalpur-482005, Madhya Pradesh, India
Tel: +91-761-2794495 , Fax: +91-761-2632524, E-Mail: ece@iiitdmj.ac.in
For further information, please visit <http://ece.iiitdmj.ac.in>