INDIAN INSTITUTE OF INFORMATION TECHNOLOGY KOTTAYAM

Indian Institute of Information Technology Kottayam

Department of Electronics and Communication Engineering









PHD ADMISSIONS 2027

RESEARCH AREAS IN ECE

- AI for Vibration Energy Harvesting
- Analog In-Memory Computing
- Antenna Design
- Applications of Signal, Image and Speech Processing using ML/DL Techniques
- Artificial Intelligence and Machine Learning (AI/ML)
- Automotive IoT
- Chip Design
- Cooperative Perception in Autonomous Vehicles
- FPGA Based System Design
- Free Space Optics
- Intelligent Instrumentation
- Materials Engineering for Robotics
- NEMS for Robotics
- Optical Wireless Communication
- Quantum Computing
- Quantum Sensing
- RF and Microwave Engineering
- Sensor Data Reconstruction in Massive IoT Systems
- Signal Processing for Communication Systems
- Underwater Sensor Networks
- VLSI Design
- Wireless Communication Technologies for Beyond 5G/6G Systems
- Wireless Sensor Networks

Why IIIT Kottayam ECE?

- Institution of National Importance under MoE, Govt. of India
- Strong focus on interdisciplinary research blending electronics, communication, computing , and intelligent systems.
- Advanced research infrastructure including access to modern tools, test and measurement systems, and high-performance computing clusters.
- Active collaborations with international universities and national research organizations.
- Fellowships and assistantships as per institute norms.
- Support from Chip to Startup and MeitY.
- Support for publications.

PHD ADMISSION CATEGORIES

- Scholarship Holders - Funded by National Agencies
- Sponsored (Full time) - Supported by Industry / R&D organizations
- Self Financing (Full time) - may receive TA support of minimum of Rs.25000/- per month subject to fulfillment of criteria and conditions set by the institute from time to time
- External Registrants - Employed candidates

Application portal opens:
15 October
Application Deadline:
15 November
Written test and Interview:
28 November

Application fee:
Rs.1000/-(Gen/Obc)
Rs.500/-(SC/ST/PwD/Female)
Apply Online
phd.iiitkottayam.ac.in

ASPIRE

MORAL
MICROWAVE AND OPTICAL ADVANCED RESEARCH LAB

ELIX

iRobotics Research Group

2ICS
Intelligent Integrated Circuits and Systems Research Group

NGC

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