About IIIT Kottayam

Indian Institute of Information Technology (IIIT) Kottayam was established in 2015 with the major objective of setting up an education model that can produce best-in-class human resources in IT and harness the multidimensional facets of IT in various domains. It is one of the IIITs that have been established as "Institution of National Importance" by the Ministry of Education, Govt. of India, under the IIIT (PPP) Act 2017. IIIT Kottayam is expected to contribute significantly to global competitiveness through the key sectors of the Indian economy and Industry, focusing on applied research and education in IT and allied areas. IIIT Kottayam conducts academic programmes of B.Tech. in CSE, CSE with specialization in Cyber Security, CSE with specialization in AI & Data Science, ECE, M.Tech. in AI and Data Science, Cyber Security, Big Data and ML, Integrated M.Tech. in AI & Data Science and Ph.D. in various disciplines such as CSE, ECE, Mathematics, and allied areas.

Infrastructure of IIIT Kottayam

The institute is connected to National Knowledge Network (NKN) with a bandwidth of 1Gbps and 5Gbps from BSNL. The laboratories are equipped with various hardware and software required to carry out the research. Researchers have 24x7 access to the high performance computing facilities along with the campus-wide licensed Matlab Software package. IIIT Kottayam has become a research-driven organization where ten research groups are outfitted with cutting-edge tools and technology. Besides this, IIIT Kottayam has signed a number of MoU with leading research organizations from India and abroad. In order to become one of the top academic institutions in the world, we plan to pursue research excellence, foster innovation, provide top-notch education to train the next generation of scientists and technologists, and use scientific and technological advancements for the development of India's economy and social welfare. Numerous organizations recognize many IIIT Kottayam students and researchers each year for their outstanding contributions to research. Institute is also subscribed to various E-resources including IEEE Xplore Digital Library along with IEEE IEL, to enhance research and learning experience.
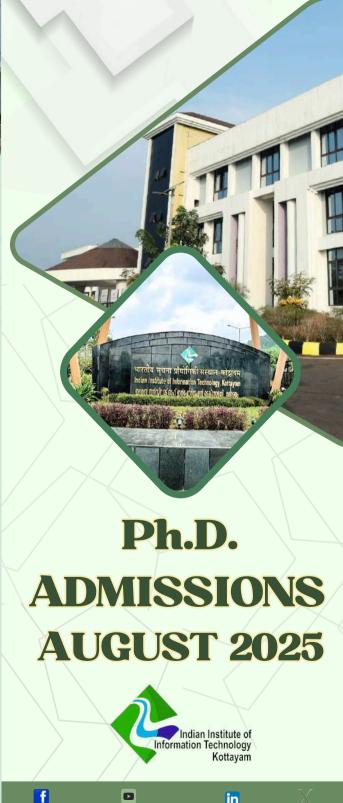
IIIT KOTTAYAM

09 APRIL — Application Portal Opens

~~09 MAY~~ **16 MAY** — Application Deadline

16–31 MAY — Written Test & Interview

Eligibility Criteria
Click Here

+91- 482 220 2212/ 2254/2140/ 2149 / 2162 / 2100

phdprogramme@iiitkottayam.ac.in

www.iiitkottayam.ac.in

Ph.D. ADMISSIONS AUGUST 2025

Indian Institute of Information Technology Kottayam

About the Programmes

IIIT Kottayam launched its doctoral programme to impart the knowledge, skills, and attitude to do world-class research in the area of computer science and its allied fields. Most of the Ph.D. Scholars have been awarded scholarships under various schemes from different funding agencies, like DST, SERB, MeitY, CSIR. Institute may provide teaching assistantships to eligible students as per prevailing norms. Our scholars are now collaborating with international universities to enhance their research works.

The faculties of the Engineering departments and Computational Science and Humanities department along with their research scholars, perform cutting-edge research in their respective domains and have resulted in highly acclaimed publications in reputed Journals and Conferences, as well as Patents in their respective domains. Our faculties also take industrial consultancy projects, apart from sponsored research projects and collaborative projects with Industry/Academia within India and abroad.

Highlights

- **Research Facilities:** Explore innovative ideas with our well-equipped labs and advanced computational infrastructure. https://www.iiitkottayam.ac.in/#!/researchGroups.
- **Stand alone Research Groups:** To promote interdisciplinary research in various domains.
- **Support for Your Growth:** Benefit from fellowships, merit-based scholarships, and professional development allowances to attend top conferences and workshops.
- **Incentives for Excellence:** Get rewarded for publishing in high-impact journals and engage in pioneering research with global collaborations.
- **Bright Career Pathways:** Take advantage of exceptional placement opportunities and enjoy the flexibility to pursue external research projects.

Admission Category

- **SCHOLARSHIP HOLDERS**
- **SPONSORED**
- **SELF-FINANCING**
- **EXTERNAL REGISTRANTS**

SCAN ME

Research Areas

Computer Science and Engineering (CSE):

Artificial Intelligence (AI): Social Good, Healthcare and Agriculture etc., Machine Learning, Deep Learning, Responsible AI, Explainable AI, , Natural Language Processing and LLM, Computer Vision and Image Processing, Big data, Computing Paradigms (Cloud, Distributed, Edge), IoT, Data analytics, Geospatial analytics, Network science, Graph Learning, Climate Networks, Brain Networks, Algorithms and Graph Theory, Graph algorithms, SDN & IoT, ML for systems, Data Analytics and Optimization, Speech and video processing, Medical and BioInformatics, Software Engineering, Data Mining, Federated Learning, Data Science, UAVs, Precision Agriculture, Drones and Imaging, Video Analytics for Surveillance and Security, Bioinformatics and Ayurveda, GAN.

Cyber Security, Information Security, Security and Privacy, IoT Security,Cloud Data Security Biometric Security, Cryptography, Lightweight Cryptography, Applied Cryptography, Hardware Security, FPGA Design on Cybersecurity, Secure Distributed Computing, Blockchain Technology, Blockchain Security, Digital Forensics, Memory Forensics, Mobile Application Forensics and Security, Malware Analysis and Threat Intelligence, AI | ML in Cyber Security, AI for Digital Forensics, Vulnerability Assessment.

Electronics and Communication Engineering (ECE):

Machine learning, Image Processing, Robotics, Fuzzy Systems, RF and Microwave, Antenna Design, MIMO, Small Satellites, NEMS, IoT, Smart Electronics, Ocean Optics, Lasers, Spectroscopy, Embedded Systems, Optoelectronics, Quantum Sensors, Wireless Sensor Networks, VLSI Design, Wireless Communications, Signal Processing for Communication, Instrumentation, Signal Processing, Optical Wireless Communication, Free space optics, Photonics.

Computational Mathematics

Graph Based Learning, Differential Equations, Scientific Machine Learning, Graph Theory, Social Network Analysis, Optimization Techniques, Machine Learning and Optimization, Fuzzy mathematics, Fluid Mechanics, Bio Fluid Mechanics, Operation Research, Mathematical and Computational Finance, Computational Mathematics, Partial Differential Equations.

- Research Groups
- Research Activities
- International Collaborative Activities

Teaching Assistantship

Eligible full-time scholars may receive **Minimum of Rs.25,000/- per month** subject to the fulfillment of criteria and conditions set by the Institute from time to time

How to Apply

- Candidates can apply only through the online application portal, **https://phd.iiitkottayam.ac.in/**
- There is no provision for offline submission of application forms.
- If you are applying for more than one discipline, please submit a separate application for each discipline.
- Incomplete applications will be rejected.

Application Fee

- General/OBC candidates: *Rs.1000/-*
- SC/ST/PWD/Female candidates: *Rs.500/-*

To be paid through *State Bank Collect*.