About Us

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, Mathematics and Computing, ECE, e-M.Tech in AI,ML and Data Science, Cyber Security and Digital Forensics, Big Data and ML, Integrated M.Tech. in AI & Data Science, and Ph.D. in various disciplines such as CSE, ECE, Mathematics, Digital Humanities, Management 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.



Ph.D. ADMISSION JANUARY 2027

Indian Institute of Information Technology Kottayam

Eligibility Criteria
Click Here

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IIIT KOTTAYAM



Application Portal Opens	15 October
Application Deadline	15 November
Written Test & Interview	28 November



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. 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 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.

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.
https://www.onlinesbi.sbi/sbicollect/icollecthome.htm

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

Research Areas

Computer Science and Engineering (CSE):

Artificial Intelligence, Machine Learning, Deep Learning, Explainable Artificial Intelligence (XAI), Natural Language Processing (NLP), Language Models (LLM), NLP for Healthcare, NLP applications in Ayurveda, Biomedical image processing, AI in Healthcare, Health Informatics, Cloud Edge, AI for Social Good, Edge computing and intelligence, IoT, Knowledge Representation, Graph Neural Networks, Precision Agriculture, Emotion Intelligence, Autonomous Vehicles, Signal Processing, Human Computer Interaction (HCI), E- learning, Federated Learning, Data Mining, Biomedical Image, Geometric Deep Learning, Named Data Networking, Vision Transformers, Big Data, SDN, Blockchain Technology, Network Science, Complex Networks, AI for Next Generation Computing Systems for AI, Responsible AI, Computer Vision, Algorithms and Graph Theory, Graph Neural network, AI in Agriculture, Network Security, Wireless Security, IoT Security, EV Charging Scheduling and Resource Optimisation, Vision Language Model, Networking using AI, Remote Sensing Image Analysis, AI in Agriculture.

Computer Science and Engineering (CSE)-Cyber Security:

Cyber Security, Network Security, Data Security, Machine Learning, Quantum Computing, Artificial Intelligence and Quantum Computing, Post-Quantum Cryptography, Quantum Sensing, Intrusion Detection and Malware, AI based Cyber Security, Privacy Preservation, Healthcare, Data Security, Cloud Computing, Cellular Automata in the context of Cryptography, Cryptography and Network Security, IoT, Robotics, Wireless Networks, Artificial Intelligence, Wireless Security, IoT Security.

Electronics and Communication Engineering (ECE):

Internet of Things (IoT), Embedded Systems, FPGA Design, VLSI Design, Instrumentation, Wireless Communication, Beyond 5G and 6G Wireless Technologies, RF / Microwave / MIMO Systems, Optoelectronics, Lasers, Spectroscopy, Ocean Optics, Quantum Sensors , Autonomous Vehicles, IoT Data Recovery, Hardware for AI, Energy Harvesting for Self Powered Sensors, AI for Underwater and Acoustic Sensing, Speech/Audio/Image Processing, Computer Vision, Machine Learning, Nanoelectronics for Robotic Applications, Signal Processing, Quantum sensing, Antenna Design.

Computational Mathematics :

Mathematical Modelling, Optimization, Fractional Calculus, Dynamical Systems, Nonlinear Partial Differential Equations, Graph Theory, Network Science, Graph Algorithms, Complex Network, Social Network Analysis, Physics-Informed and Graph Neural Networks, Spatio-Temporal Climate Modelling, Quantum Computing, Post Quantum Cryptography, Fuzzy Mathematics, Fluid Mechanics, Bio Fluid Mechanics, Machine Learning -based Modelling and Prediction in Fluid Mechanics, Hybrid Fuzzy Intelligent Sets and Systems, Brain Network Analysis, Network Analysis, Epidemic Spread Modelling and Vaccination Strategies, Mathematical and Computational Finance, Differential Equations, Sports Analytics, Uncertainty Quantification, Machine Learning, Computational Intelligence.

Digital Humanities:

Digital Humanities

Management:

Human Resource Management, Operations Management, Marketing Management, Supply Chain Management, Entrepreneurship.