INDIAN INSTITUTE OF INFORMATION TECHNOLOGY KOTTAYAM

(An Institution of National Importance under the Ministry of Education, Govt. of India)

Valavoor (PO), Pala, Kottayam, Kerala - 686635

Admission to Ph.D. Programme – January 2027

IMPORTANT DATES

ONLINE APPLICATION PORTAL OPENS	**15th October 2026**
LAST DATE FOR RECEIVING APPLICATIONS	**15th November 2026**
WRITTEN TEST AND INTERVIEW	**28th November -04th December 2026**

IIIT Kottayam invites applications from motivated and research-oriented students for the Ph.D. programmes starting in January 2027.

The major areas of research are as follows:

Computer Science and Engineering	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.

Categories of Ph.D. Students:

1. **Scholarship Holders**

   A candidate in this category works full-time in the Institute for his/her Ph.D. degree. He/she receives assistantship/fellowship from INSPIRE/CSIR/UGC/NBHM/QIP or any other recognized funding agency but no financial assistance/scholarship from the Institute. Such candidates are required to perform the teaching assistantship and other duties assigned by the department from time to time.

2. **Sponsored**

   A candidate in this category is sponsored from a recognized R & D organization, academic institution, government organization or industry and doing research in the Institute on a full-time basis. The candidate must be a regular employee of the sponsoring organization with at least one year of professional experience in the respective field. The Institute does not provide any assistantship/fellowship to such a student. An intending sponsored candidate must submit his/her application in prescribed form along with No objection cum sponsorship certificate for admission through his/her employer, to the Institute with suitable endorsement. A sponsored candidate selected for admission shall be required, at the time of joining the Institute, to produce certificate in the prescribed form from the employers to the effect: (i) that he/she has been officially released from his duties for purpose of joining the programme and has been granted leave for the required period; (ii) that his services may/shall be retained with the employer.

3. **Self-financing**

   A candidate in this category works full-time towards the Ph.D. Programme. The Institute will not provide any financial assistantship/fellowship to such a student.

4. **External Registrants**

   A candidate working in Industries/Institutes/Research Organisations can register as External Registrant and do research work either in their own organisation along with their regular work or in the host institute. A no objection certificate issued by the competent authority of parent organization shall be attached with the application for admission. The Institute does not provide any assistantship/fellowship to such a candidate.

5. **Ph.D. through sponsored Project**

   A candidate working in a sponsored project of the Institute (IIIT Kottayam) can register to the Ph.D. program under project category. The minimum remaining period of the project should be at least 2 years from the date of joining the Ph.D. program. They will do research work along with their regular project

work. They shall submit recommendation of the Principal Investigator and HoD along with the application. The Institute does not provide any assistantship/fellowship to such a candidate for his PhD registration.

Eligibility Criteria for Admission into Ph.D. Programme

For admission to the Ph.D. Programme, a candidate must satisfy the following criteria:

Ph.D. Programme in Engineering/ Sciences	Master's degree in Computer Science and Engineering/ Information Technology/Mathematics/ Statistics/Computer Science/Computer Applications/Electronics and Communication Engineering / Electrical and Electronics Engineering or equivalent area with a minimum Cumulative Grade Point Average (CGPA) of either 6.5 in a 10 point scale or 60% of marks.
Computational Mathematics:	Two years M.Sc./Integrated M.Sc. in Mathematics/Mathematics and Computing/ Applied Mathematics/Statistics or an equivalent degree with a minimum of 60% aggregate in the qualifying examination.
Management	• Post-graduate degree or equivalent in any of the following disciplines (including M.A. (Personnel Management), M.Com. (International Business, Ecommerce), M.E.(Engineering Management, Technology Management), M.Tech. (Engineering Management, Technology Management), MBA, MHRM, MSW-HR etc.) with at least 55% aggregate (or equivalent). Professional qualification such as CA/ICWA/CS along with a Bachelor's degree with at least 50% aggregate (or equivalent) in the Bachelor's degree. 4-year / 8-semester Bachelor's degree with a minimum 75% aggregate (or equivalent)
Digital Humanities	• Master's in Humanities, Social Sciences, Linguistics, Media, Communication, or related disciplines with a minimum Cumulative Grade Point Average (CGPA) of either 6.5 in a 10 point scale or 60% of marks. • Candidates with technical backgrounds and an interest in interdisciplinary research will also be considered.
MS-Ph.D.	Four-year Bachelor's degree in Computer Science and Engineering/Information Technology/Electronics and Communication engineering/Electronics and Electrical Engineering/ Mathematics or equivalent in a relevant area from an institute of national importance with a minimum CGPA of either 8.0 in a 10 point scale or 75 % of marks. Such students will be awarded both MS and Ph.D. degrees on completion of Ph.D. programme without any exit option during the programme.
Direct Ph.D. (IIIT Kottayam) B.Tech.-MS and Ph.D.	A student of IIIT Kottayam who is continuing his/her B.Tech.-MS studies and having a minimum CGPA of 8.0 at the end of sixth semester may be enrolled in the Ph.D. programme of the institute in the beginning of his/her seventh semester of study. Such students can receive B.Tech.-MS and Ph.D Degrees on completion of Ph.D. programme. (exit)

M.Tech.-Ph.D. (For working professionals only)	The applicants from M.Tech. for working professionals (offered by IIIT Kottayam) who have a minimum CGPA of 8.0 upto 5th semester at first attempt and without failures, can be admitted to direct M.Tech.-Ph.D. programme. This is applicable for the applicants within two years from the completion of M.Tech. degree.

SELECTION CRITERIA

Selection of the candidate will be based on the performance in the written test and /or interview. Appearing for the test and/or interview does not entitle any candidate to admission to the Ph.D. programme.

APPLICATION FEE

An application fee of Rs.1000/- for general/OBC and Rs.500/- for SC/ST/PWD/Female candidates to pay via SBI Fee Collect.

Registrar