

# Ph.D. Admission

August-2026

Indian Institute of  
Information Technology  
Kottayam



<https://phd.iiitkottayam.ac.in>

Visit Here

*Join Us in Shaping the Future*

*Embark on a transformative research journey at IIIT Kottayam. Our doctoral program offers interdisciplinary collaboration, and mentorship from leading experts in the field.*

The Department of Computational Science and Humanities actively promotes interdisciplinary research integrating Computational Mathematics, Applied Computing, Management Studies, and Digital Humanities. Research opportunities are available in the following areas:

### ***Computational Mathematics & Applied Computing***

**Optimization & Machine Learning:** Evolutionary and surrogate optimization, neural architecture search, and deep learning algorithms.

**Scientific Machine Learning & Computational Modelling:** Physics-informed neural networks, dynamical systems, nonlinear and fractional differential equations, statistical and deep learning methods for image denoising and climate modelling.

**Networks & Graph Theory:** Graph neural networks, network optimization, brain and financial network analysis, connectivity problems, complex network analysis, centrality analysis, link prediction.

**Fuzzy & Intelligent Systems:** Fuzzy mathematics, Fuzzy decision-making, optimization, similarity measures, rough sets, and hybrid intelligent systems.

**Mathematical & Computational Finance:** ML-based derivative pricing and risk modelling.

**Quantum & Advanced Computation:** Quantum computing, post-quantum cryptography, and geometric function theory.

**Computational Fluid Dynamics & Operations Research:** Biofluid mechanics and ML-driven predictive modelling.

### ***Management Studies***

Marketing Management, Human Resource Management, Operations & Quantitative Techniques, Business Analytics, Strategic Management, Supply Chain Management, Entrepreneurship

### ***Digital Humanities***

Cultural Analytics, Digital Storytelling, Human-Centered AI, Techno-Cultural Studies, Computational Social Sciences

+91- 482-2202161/ 2212/ 2272/ 2140/ 2149/ 162/2100

[phdprogramme@iiitkottayam.ac.in](mailto:phdprogramme@iiitkottayam.ac.in)