



Indian Institute of Information Technology and Management – Kerala IIITM-K

[An autonomous postgraduate institution established by the Government of Kerala]

ADMISSION ANNOUNCEMENT: M.Phil. Ecological Informatics

IIITM-K is currently accepting applications towards its 8th batch of **Master of Philosophy in Ecological Informatics** (M.Phil. EI) 2016-17.

Ecological Informatics (EI) is a trans-disciplinary subject that integrates *ecology, informatics, computational and social sciences*. It draws its strength from the depth of ecological sciences, the breadth of social sciences, the power of computation and the versatility of information technology.

Course Objectives

This program imparts computational, informatics skills to students with background in natural/physical sciences. It equips the student for a career in ecological research with special emphasis on Information Technology. Inclusion of social dimension makes this program peerless.

Course Structure

M. Phil. EI is a 1 year programme. In the first semester, students are tutored core modules comprising **Ecology** [*ecological physics, landscape ecology and quantitative ecology*], **Informatics** [*computer programming, database, information system and geospatial technologies*] and **Social-Ecology and Research Methodology**, [*ecological economics, demography, anthropology, sociology and research methodology*] at IIITM-K.

During the second semester they are encouraged to take up a research assignment in any laboratory of their choice. In the past, students have used this opportunity to work at University of Applied Sciences, Stuttgart, Germany, Leibnitz University, Hannover, Germany, Indian Institute of Science (IISc), Bengaluru, The French Institute, Pondicherry, IIRS/NRSC (ISRO), IIMs, etc.

The program presents a unique opportunity to professionals working in NGOs to earn a higher degree by spending one semester at IIITM-K. They can avail the freedom of choice of laboratory in the second semester to convert their ongoing assignments in their parent organization into thesis.

Value Addition and Employment Prospects

The analytical/ informatics skills acquired along with holistic outlook built during the program, provides our students an edge over their peers in securing coveted research/ professional positions. Our past students are pursuing their doctoral research degree at various national/international universities/laboratories. Multi-National Companies, especially those in the environment impact assessment and development sectors also seek our students.

The course is an ideal stepping stone towards a meaningful career in ecological research.

Admission Eligibility:

For General/OBC candidates: 60% in M.Sc. Degree in Natural/Physical Sciences*
For SC/ST candidates: A pass in M.Sc. Degree Natural/Physical Sciences*

* Comprises Botany, Zoology, Physics, Mathematics, Chemistry, Environment Science and allied disciplines.

Degree Awarded by: Cochin University of Science and Technology

Course Fees: Rupees 60,000 (payable in two equal installments)

Last date for Submission of Online Application 31 May 2016

**FOR ADDITIONAL DETAILS AND APPLICATION FORM: PLEASE VISIT
<http://www.iiitm.ac.in/admission/About-MPEI.html>**

Key topics covered and skill sets acquired by students

- | | |
|-------------------------|--|
| 1. Ecological Physics | Quantitative expression of ecological processes |
| 2. Quantitative Ecology | i. Statistical analysis (R language)
ii. Quantitative analysis (MATLAB) |
| 3. Informatics | i. Computer programming (C)
ii. Remote Sensing & Geographic Information System (GIS)
iii. Information systems (Web 2.0) |

For specific details, contact: +91 9744141350 / 0471-2700777, 2527567