

M. PHIL. ECOLOGICAL INFORMATICS

Ecological Informatics (EI) is a trans-disciplinary subject that integrates ecology, informatics, computational and social sciences.

M. Phil-EI is a one-year full time program. Students earn the degree by completing 30 credit points, split among course work, seminar and a thesis.

The program is so designed that students spent their first six months at IIITM-K before proceeding to Indian Institute of Science, Bangalore or Indian Institute of Remote Sensing, Dehradun or The French Institute, Pondicherry to carry out either a research project or complete a pertinent review and write a thesis.

Salient Features

The program has a strong emphasis on trans-disciplinarity and aims to prepare students for a future in ecological sciences research, with a special emphasis on using Information Technology. The inclusion of social dimension will complement development of critical thinking ability.

Upon successful completion, students will develop a holistic understanding of the relevant concepts in ecological sciences, be competent to identify appropriate computational method, independently use computational tools to analyze and understand key theoretical, methodological and practical issues that underpin the flow of

information within the biosphere, appreciate the contribution of a range of scientific and social disciplines in understanding and constructing environmental information pathways.

The course is an ideal stepping-stone towards a successful research career in ecological sciences.

The Cochin University of Science and Technology (CUSAT) will award the degree to successful candidates.

Eligibility & Admission

M. Sc degree with First Class in the Natural/Physical Sciences with CGPA 6.5 or above in 10 points scale.

Admission is based on a written test and interview conducted by IIITM-K. NET holders are exempted from the written test.

Program Outline

- Ecological Physics and Landscape Ecology
- Quantitative Ecology
- Information Systems
- Spatial Informatics
- Programming and Database
- Ecological Economics
- Ecological Anthropology
- Sociology and Demography
- Research Methodology
- Seminar
- Dissertation/ Thesis

For details please visit
www.iiitmk.ac.in