

Remote Sensing and GIS Application in Environmental Impact Assessment (EIA) and Management

Objectives

To educate the students on the principles and applications of Remote Sensing and Geographical Information System (GIS) in environmental impact assessment and management.

Topics to be Covered

- Basics of Remote sensing (RS) and GIS
- Environmental Impact Assessment (EIA) and Management
- RS and GIS applications in EIA
- Photogrammetry and satellite data analysis
- Data vectorization and visualization
- Generating different types of maps for various environmental parameters
- Understanding and performing Land use Land cover (LULC) analysis
- Ground truth and accuracy assessment
- Interpretation of LULC analysis for decision making

Job Opportunities

Environmental Impact Assessment (EIA) which is a very important topic nowadays as there are many environmental issues emerging in the world. Conducting EIA is one of the mandatory pre requisite for obtaining Environmental Clearance (EC) for many developmental activities including expansion or modification of existing facilities in the industry. *There are many private and government agencies that requires GIS expert.* The course is designed in such a way that it will give a clear idea of performing Land use/land cover analysis along with the field visits for ground truths required in EIA. *Hence, the certification will lead to increased employability of the participants in the industry as it will cover hands on experience on software and field visits.*

Eligibility

Graduate in any Discipline



**CSIR Integrated
Skill Initiative**

Schedule

- Date of commencement-
March 17, 2020
- Duration of the course-
4 Days
- No. of seats- 25
- Course Fee- Rs.4000/-
Sponsored Candidates:
Rs.8000/-



CSIR-NIIST

Co-ordinator,
National Institute for Interdisciplinary Science and Technology
Thiruvananthapuram – 695 019, Kerala, India
Phone: 0471-2515293, 2490672, +91-9645086468
Email: sdp@niist.res.in