

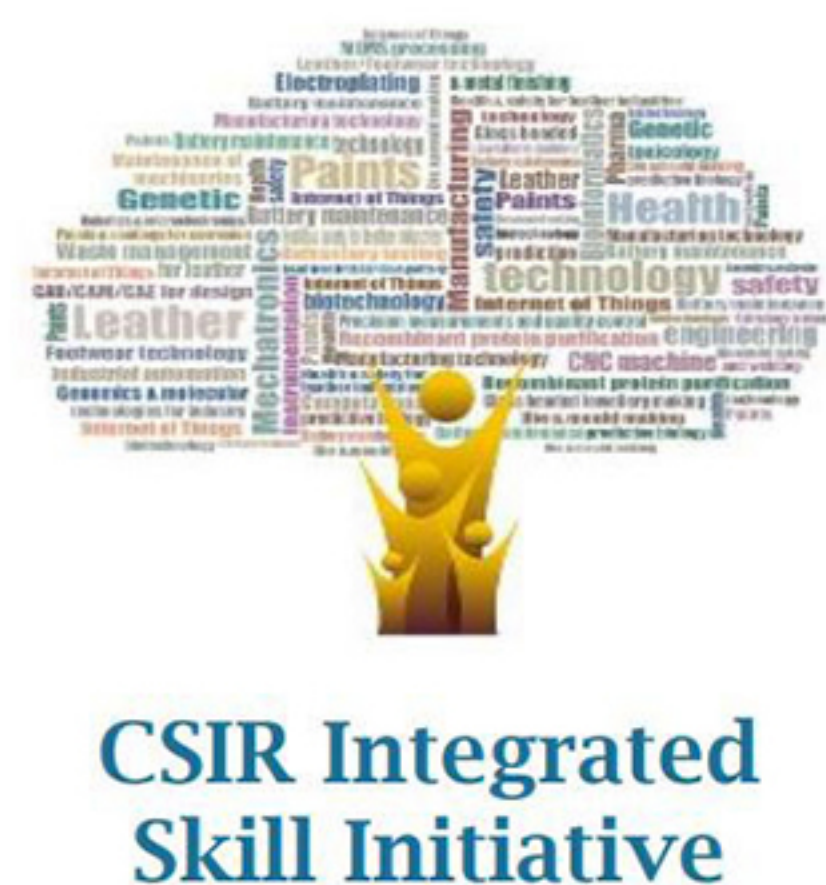
SKILL DEVELOPMENT PROGRAMME



Remote Sensing and Geographic Information System applications in Environmental Impact Assessment and Management



CSIR-NIIST
THIRUVANANTHAPURAM



CONTACT

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APPLY ONLINE :
<http://sdp.niist.res.in>

IMPORTANT INSTRUCTIONS

- Certificate will be provided after the completion of the course
- It is advisable to attend 3rd and 4th day of training through laptop for hands on land use land cover analysis
- Recording and study material of the demo will be provided to the participants for further reference
- Software installation guidelines and satellite imagery will be sent to the registered participants before the commencement of the course

COURSE COORDINATORS:

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COURSE BENEFIT

Environment Impact Assessment (EIA) is the study to predict the effect of a proposed activity on the environment. EIA is a decision making tool which compares various alternatives for a project and arrives at one which represents the best combination of economic and environmental cost benefits. Remote sensing and GIS techniques, on the other hand, gaining popularity with recent advancements in geo-spatial techniques, tools and algorithms which finds a wide application in the process of EIA. This course offers an overall understanding of EIA, Remote Sensing, GIS and virtual hands on experience with an open source software for carrying out Land use land cover analysis. This also covers case studies of full scale EIA, impact of development on land, water and micro-climate environment. This course will lead to increased employability of the participants as it blends theoretical, practical as well as applied aspects of the subject.

COURSE OBJECTIVES

- To understand Remote Sensing Technologies
- To achieve hands-on proficiency in GIS Tools and Techniques
- To understand Environmental Impact Assessment (EIA) Framework
- To Integrate Remote Sensing and GIS in Decision-Making
- To provide overview of Case Studies and Practical Applications of RS and GIS

MODE OF TRAINING

Online

<https://www.niist.res.in/english/academics/csir-skill-initiative>