

7- Days National Level Skill Development Workshop

On

Environmental Monitoring Using Geospatial and Advanced Analytical Techniques

(In Blended Mode)

Under

RUSA Component 10 (Entrepreneurship & Career Hub)

University of Kalyani

Organized By-

Department of Environmental Science, University of Kalyani



Objectives

- To understand basic idea of Remote Sensing and GIS.
- To develop the entrepreneurship in different fields of Industrial Sector.
- To develop skill on Geo-spatial analysis.
- To understand basics of environmental and emerging contaminants.
- To develop hands on skills on advanced monitoring techniques for different environmental facets.
- To improve awareness about environmental issues and remedial measures.

Benefits

- Immense scope of entrepreneurship in education and academia.
- Opportunity of entrepreneurship as Remote Sensing and GIS software analyst.
- Immense scope of entrepreneurship in environmental monitoring laboratories.
- Opportunity of entrepreneurship as policy makers and NGO.

Course Schedule

- 1 week (including field study, assignment)

Eligibility: Science Graduate, Agricultural and Engineering Graduate

Course Fee: ₹ 700/- inclusive

(Payment through "SBI Collect",

For Payment Query, Contact – 6290648872)

Course Intake: 32 Nos. (First come First serve basis of eligible candidates)

Course Contents

The modules of the courses are as follows:

Geospatial Techniques

- **Module 1:** Georeferencing & projection
- **Module 2:** Data collection, digitization, map creation and editing
- **Module 3:** Creation of thematic map and overlay analysis, LULC map, change detection, etc.
- **Module 4:** Image classification
- **Module 5:** Application of different types of indices for vegetation analysis, water body analysis, and soil moisture content
- **Module 6:** Digital Elevation Model (DEM)

Advanced Analytical Techniques

- **Module 7:** Physico-chemical, biological analyses of water and soil quality parameters and monitoring techniques
- **Module 8:** Demonstration of analytical instruments
- **Module 9:** Air & Noise quality monitoring
- **Module 10:** Research laboratory and Field visit

Commencement of Classes: 1st February, 2023 – 8th February, 2023

Application Procedure: Apply through Google Form on or before 24th January 2023 along with the payment receipt of application fee, and Certificate/ Mark sheet of U.G. / P.G.

Link of Application Form :

<https://forms.gle/fDqsAiy4xTQrMnre6>

For any query Contact: rusa21envsku@gmail.com
94334 32613

Course Coordinator and Head:

➤ Prof. Soma Mukherjee, Department of Environmental Science, KU

Member:

➤ Dr. Alok Chandra Samal (Technical Assistant)

Course Jt. Coordinator:

➤ Prof. Debasish Das, Department of Environmental Science, KU