

on
“Usefulness of Remote Sensing & GIS for Environmental Studies”
(July 26-30, 2021)

Introduction

Environment is the life supporting system. All necessities of day to day life are available from our environment. But the over-exploitation of natural resources and environmental pollution are corroding the vital life support systems. Remote Sensing data & Geographic Information System (GIS) along with some models can be used to monitor and mapping of natural resources and environmental pollution in addition to natural disasters like cyclone, tsunami, avalanche, floods, drought, hailstorm, wildfire etc.

Indian Institute of Remote Sensing (IIRS), Dehradun, a constituent unit under Indian Space Research organization (ISRO) is engaged in imparting training and education in the field of Remote Sensing and GIS Sciences since 1966 to meet the requirements of various stake-holders, ranging from fresh graduates to policy makers including academia, industry, different government departments and NGOs. This course for school students is of one week duration and the focus of the course is on principles of Remote Sensing & GIS and its applications for environmental studies.

Aim of the course

The course is intended to engage secondary and higher secondary students to create awareness about Remote Sensing Technology & its use for the study of mother planet Earth and its environment through informative lectures and demonstration. Remote sensing and GIS technology are potential tools to understand the vast environment. Exposing the knowledge of satellite data utilization via GIS and image processing software in environmental science has a great scope as it would help the students to understand the importance of remote sensing and then in career decision making.

Course Duration

- ❖ The course will be of one week duration from July 26 to 30, 2021.
- ❖ Every day, there shall be two online lectures of 45 minutes each: one at 1000 hrs and another at 1200 hrs.

Course Structure

- ❖ The lectures will be streamed live at IIRS YouTube channel: <https://www.youtube.com/user/edusat2004>.
- ❖ The students can ask question through YouTube Chat Box. Few questions will answered by Faculty after the lecture.
- ❖ There will be a quiz based on lectures delivered.
- ❖ A certificate will be awarded if the total score of the quiz is at least 55%.

How to Apply

- ❖ School students of 10th, 11th and 12th standard can apply online for summer school at <https://admission.iirs.gov.in/coursecalendar>. Once you apply for the course, you will get login credentials for LMS portal on your email. Please make sure that the email id entered is correct. You can login to LMS portal for further details of the course. After the live streaming on YouTube, the recorded lectures shall be available on LMS portal.
- ❖ Read the course guidelines provided separately for attending the course.

For further queries/details contact
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