

Remote Sensing for Natural Resource Studies

Online Course for School Students

June 12- June, 23, 2023

Remote Sensing for Natural Resource Studies is an exciting area for scientists and researchers which has greatly impacted the societal and economical development of any country. In the recent years, it has also attracted the attention of students and young generation to build their career in this advanced domain of Remote Sensing and its Applications. India being one of the leading space faring nation in the world, have its vibrant space program which has matured as a symbol of the country's sophisticated technological capabilities and its growing regional and global prestige.

Indian Space Research Organisation (ISRO) has successfully accomplished many space missions which includes 122 spacecraft missions, 90 launch vehicles missions, 15 student satellites, 3 Satellite realised by Indian Private Players, 2 re-entry missions and launched 424 foreign satellites from 34 countries

The data and information generated using these space missions are very important for many developmental activities including better planning and decision making in the areas of earth observation, satellite communication, navigation, weather forecasting, tele-medicine, environmental and climate studies, agriculture, food and water security, disaster management etc.

Indian Institute of Remote Sensing (IIRS), ISRO Dehradun announces a Massive Open Online Course (MOOC) on "Remote Sensing for Natural Resource Studies" for School students. The objective of this online course is to provide knowledge and awareness to school students on various aspects of Remote Sensing and its Application. During this course, the technical sessions will be delivered by eminent space scientists of India. It will be an unique opportunity for young generation to understand this exciting domain of remote sensing technology and its applications.

The course is free and open to all the students of Class IX –XII from India and abroad.



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PROCEDURE TO PARTICIPATE IN THE COURSE

- Please register for the course through URL- <https://isat.iirs.gov.in/mooc.php>
- On successful registration in above website and activation of your account, you will receive your login credentials for E-CLASS Learning Management System (LMS) through email.
- Daily technical session will be available on IIRS E-CLASS LMS. Please login to : <https://eclass-intl-lms.iirs.gov.in/login/index.php> to get access of your course.
- During this course, total of 20 online video sessions will be conducted. Please watch the video sessions as per your convenience. You can watch it in multiple times. Based on video watch logs, your attendance for that session will be marked by the system.
- Once you have completed the video session, then please participate in the Quiz assessment available in the E-CLASS LMS.
- All the technical sessions and learning resources will be available till July 07, 2023 under your account in the E-CLASS LMS.
- Discussion forum is also available in E-CLASS LMS for collaborative learning. You can post your questions and doubts in the discussion forum.
- You need to submit course feedback before proceeding to generate your course certificate through E-CLASS LMS.
- You can also recover your login credential anytime during the course by visiting following URL- <https://eclass-intl-lms.iirs.gov.in/login/index.php>

AWARD OF CERTIFICATE

The Course Participation Certificate will be awarded from IIRS ISRO based on your attendance in technical sessions and your score in online quiz assessment. **Minimum 60% Score in Quiz and 70% attendance** in video sessions will be required to get course participation certificate

IMPORTANT DATES & URL

- Course Duration- **June 12 to June 23, 2023**
- Registration Link- <https://isat.iirs.gov.in/mooc.php>
- LMS Link- <https://eclass-intl-lms.iirs.gov.in/login/index.php>
- Course Language- **English**