

About CSSTEAP and IIRS

CSSTEAP was established in India in November 1995 with its headquarters in Dehradun and over the past 26 years, the center has emerged as a Centre of Excellence in capacity building in the field of space science and technology application. The CSSTEAP programmes are executed by the faculty of Department of Space at campuses namely, Indian Institute of Remote Sensing (IIRS), Dehradun, Space Applications Centre and Physical Research Laboratory, Ahmedabad and UR Rao Satellite Centre, Bengaluru. The training programmes includes M.Tech. PG Diploma and Short Courses on RS & GIS, Satellite Communications, Satellite Meteorology and Global Climate, Space & Atmospheric Science, Global Navigation Satellite Systems, Small Satellite Missions and DRR regularly. Besides this many short courses, webinars, MOOC and workshops on various themes are also organized.

IIRS (established in 1966), a constituent unit of ISRO, is a key player for training and capacity building in geospatial technology and its applications through training, education and research in Southeast Asia. The training, education and capacity building programmes of the Institute are designed to meet the requirements of professionals at working levels, fresh graduates, researchers, academia, and decision makers.

About Course

The advancement of earth observation has opened new avenues of research in the field of earth sciences. With the technological advancements in geo-information sciences, remote sensing has become an effective method for understudying the terrestrial and planetary geology, geomorphology, structural geology, ground water and mineral exploration. The one week online course on "Advances in Remote Sensing Techniques for Geological Applications with emphasis on Asia-Pacific region" is being organized in view of providing an overview on the advances in the earth observations techniques for various geological applications. The primary aim of this online course is to spread awareness about importance of remote sensing data and methods in understanding geological processes and their societal applications particularly in Asia-Pacific region. The course is therefore of special interest for the professionals, researchers and students interested in updating themselves with the advancements in remote sensing data analysis techniques.

Objective

The overall objective of this one week training course is to make the awareness among users/researchers/professionals/decision-makers/ academicians about the recent advances and innovations in Remote Sensing and GIS for geological studies

Course Outline

The course will cover following topics:

- Overview of remote sensing data analysis techniques highlighting the recent advancements
- Advances in Microwave and Thermal remote sensing techniques for Geological Studies
- Advances in hyperspectral remote sensing and spectrometric analysis for geological studies
- Recent approaches in landslide simulation and modelling
- Integrated geophysical and Earth observation techniques for geological applications
- Applications of optical, thermal and microwave remote sensing for cryospheric studies
- Remote sensing of Planetary bodies and their geological exploration (Moon and Mars)

Eligibility

Participants should be a Post Graduate in Science or Graduate in Engineering in geoscience and related areas preferably with professional/research experience. The course will be conducted in English, the candidate should have proficiency in English language.

Course Fee and How to Apply

There is no course fee. Applicants are requested to apply through the link: <https://admissions.cssteap.org> before 16th December 2022

Contact Details

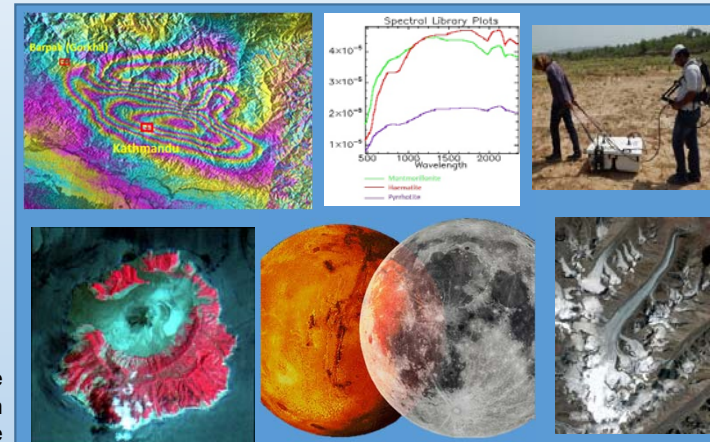
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Announcement of course: November 11, 2022
Last date to apply: December 16, 2022



One-week online course on "Advances in Remote Sensing Data Analysis Techniques for Geological Applications" during December 19-23, 2022



Centre for Space Science and Technology Education in Asia and the Pacific (CSSTEAP)
(Affiliated to the United Nations)
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www.cssteap.org



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