

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 monitoring and investigation of various natural resources and man-made features. One Week Online Course on "Space based innovative solutions to improve water resources management in Asia-Pacific region" is being organized which will provide an overview of advances in earth observation data and modelling approaches for parameter retrieval, monitoring and quantitative assessment of water resources. The main aim of this course is to spread awareness about importance of remote sensing data based hydrological modelling and their innovative solutions to improve water resources management particularly in Asia-Pacific region. The course is therefore of special interest for the professionals, researchers and students interested in learning utility of geospatial technology and process based models in water resources studies.

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 the improvement of water resources management.

Course Outline

The workshop will cover following topics:

- Recent advances in geospatial techniques for water resources management
- Innovations & progress in remote sensing for surface water resources assessment
- Remote sensing based hydrological parameter retrieval and model parameterization
- Monitoring & modelling of hydro-meteorological extremes
- Water availability and consumption dynamics assessment using remote sensing inputs and modeling techniques.

Eligibility

Participants should be a post graduate in science or graduate in engineering or equivalent qualification in relevant field of study with 2-3 years of experience in teaching/research on professional experience in the field of Remote sensing technology or environment. 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 27th November 2022. Link of lectures will be shared with selected candidates only.

Contact Details

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Announcement of course: November 2, 2022

Last date for application: December 09, 2022 (1300 IST)



**One-week online course on
"Space based Innovative Solutions to
Improve Water Resources Management in
Asia-Pacific Region"
during December 12-16, 2022**



Centre for Space Science and Technology
Education in Asia and the Pacific (CSSTEAP)
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