
The Indian Space Research Organisation (ISRO) has a vibrant Earth Observation (EO) programme since last 50 years with launch of several satellite missions. The Indian Remote Sensing Satellite (IRS) series of satellites provide space based information for monitoring and management of natural resources and Disaster Management Support. The Indian Institute of Remote Sensing (IIRS) is a premier Institute under ISRO engaged in training, education and capacity building on use of geospatial technology for natural resources monitoring and disaster management since last five decades. The Institute has so far conducted 45 Satellite and Internet based Outreach Programmes, benefiting more than 96,000 participants from 920 Indian universities/ institutions/user Departments/user ministries in India. To promote the use of Geospatial technology, IIRS announces the 47th IIRS Outreach Program on “Satellite Remote Sensing for Air Pollution Studies” during August 5-9, 2019. The course is targeted to working professionals and students and will provide a unique opportunity to the learners to enhance their knowledge by attending the course at their respective working places.
Satellite remote sensing has emerged as a new tool for estimating ground level air pollution. Pollutant concentration based on satellite remote sensing utilize observational data that are collected daily at a global scale, providing consistently derived measurements in urban and rural areas. Satellite data has improved the potential of retrieving information on various gaseous pollutants & airborne particulates used for assessment, forecasting and management of air quality. The concurrence of satellite and ground based information is widely accepted for urban scale air quality management among both the scientific and policy making communities. The management of near surface air quality is essential due to its possible implications to public health, visibility, atmospheric chemistry and climatic forcing. This course will provide an overview on understanding the process, air pollutant parameters and modelling particularly from remote sensing data. The course will enable professionals, researchers and students interested in learning utility of geospatial technology in the area of air pollution.

It is a unique opportunity for participants to learn directly from their place of working by devoting an hour and a half each day. The course can be attended with no cost to the participants. Programme can be receive live through internet using freely available software from IIRS and also through live streaming from IIRS website and YouTube. This Programme is sponsored by NNRRMS, Department of space, and Government of India for capacity building. The participants who successfully complete the course will be awarded a certificate from IIRS, ISRO. The programme is scheduled during 1600-1730 hrs every day for a week. A copy of the announcement brochure of this course is forwarded herewith for your kind perusal and for circulation in your university/institute/Organisation. The course is open to UG & PG students/researchers/scientific/technical staff and interested individuals. We need your support for wide publicity and maximum participation from your university/ institute/Organisation.

You may also visit IIRS website http://www.iirs.gov.in/Edusat-News for further details.

With regards and best wishes,

(Parkash Chauhan)
Director

Encl: Course Schedule