

IIRS Outreach Programme

The IIRS outreach programme, which started in 2007 with 12 universities/ institutions has now grown substantially to _____
The beneficiaries of the programme may include:

- Central/State/Private Universities & Academic Institutions
- Central & State Government Organisations / Departments
- Research Institutes
- Geospatial Industries
- NGOs

Feedback Mechanism

IIRS has conducted workshops and sessions during IIRS User Interaction Meet to take feedback from participating institutions to improve the quality of future courses.



IIRS Outreach programme feedback session during IIRS User Interaction Meet (IUIIM)-2018

Awards

IIRS has received national awards for excellence in training for outreach and e-learning programme during 1st National Symposium on Excellence in Training conducted during April 11-12, 2015 in New Delhi by Department of Personnel & Training (DoPT), Govt. of India in collaboration with United Nations Development Programme (UNDP).



About IIRS

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organisation (ISRO), Department of Space, Govt. of India is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geoinformatics and GNSS Technology and its applications in natural resources monitoring, environmental and disaster management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia. While nurturing its primary endeavour to build capacity among the user community by training mid-career professionals, the Institute has enhanced its capability and evolved many training and education programmes that are tuned to meet the requirements of various target groups, ranging from fresh graduates to policy makers including academia.

IIRS also conducts e-learning programme on Remote Sensing and Geoinformation Science (<http://elearning.iirs.gov.in>).

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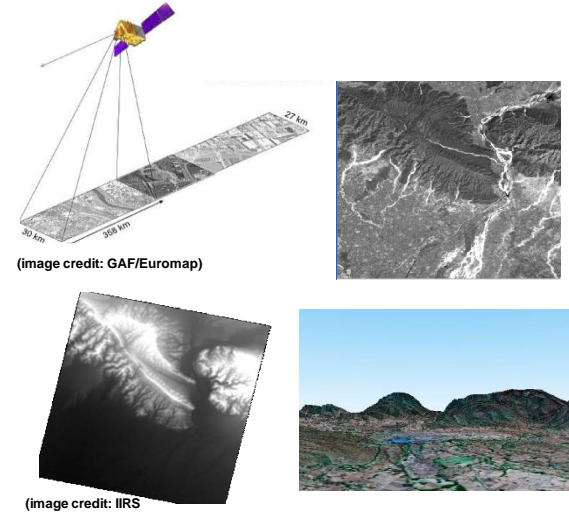
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Sixty first IIRS Outreach Programme



(image credit: GAF/Euromap)

(image credit: IIRS)

Satellite Photogrammetry and its Applications

June 29- July 3, 2020



Organised by

Indian Institute of Remote Sensing
Indian Space Research Organisation
Department of Space, Govt. of India
Dehradun

www.iirs.gov.in

About the Course

In recent years it has been possible to collect vast quantities of 3D data using new technology, and to interpret and visualize the data in new ways. The third dimension has become an integral part of geospatial information. 3D technology is finding huge utility in resource monitoring, facilities management, urban planning, defense and internal security. It has not only revolutionized the surveying and mapping applications but it has emerged as a powerful tool for planning, monitoring and evaluation of developmental activities, informed decision making in governance. A few potential users of the technique are administrators, decision makers, engineers, city planners, natural resource scientists. We invite you to attend this training program on *Satellite Photogrammetry and its applications*. The course will focus on concepts and techniques to process and analyse stereo data from space borne sensors. The course is scheduled from June 29 – July 03, 2020.

Course Contents

This short course will introduce the participants to :

- Photogrammetric Concepts
- Satellite Photogrammetry
- Basics of GPS
- DEM and its derivatives
- Orthoimage generation

Upon completion the participants are expected to be able to :

- Apply the basic principles of photogrammetry to a range of remotely sensed datasets
- Generate and evaluate elevation data products (DEM etc.) derived from satellite stereo image pairs and assess their use for a range of applications,
- Prepare ortho-images, assess the quality of the output and use it for mapping applications.

Target Participants

The course is designed for professionals from Central / State Govt. / Private Organizations / NGO/ students & researchers engaged in disaster management related activities.

The course participants have to be duly sponsored by their university/ institution and application should be forwarded through coordinators from respective Organisations/ Centres. Users attending programmes under CEC-UGC/ CIET/ other networks can also participate. Institutions on high speed National Knowledge Network (NKN) can also participate.

Course Study Material

Course study materials like lecture slides, video recorded lectures, open source software & handouts of demonstrations, etc. will be made available through IIRS ftp link. Video lectures will also be uploaded on YouTube Channel (<http://www.youtube.com/user/edusat2004>).

Course Fee

There is no course fee for attending this programme.

Course Registration

Course updates and other details will be available on URL- <http://www.iirs.gov.in/Edusat-News/>. All the participants has to register online through registration page available on above web page.

Award of Certificate

Working Professionals: Based on 70% attendance and submission of assignments.

Students: Based on 70% attendance and online examination.

Course Funding & Technical Support

The programme is sponsored by National Natural Resources Management System – Standing Committee on Training and Education (SC-T), Indian Space Research Organisation, Department of Space, Government of India.

Programme Reception

Programme can be received through Internet connectivity of 2Mbps or better. Following hardware and software set-up is required at user end:

Hardware Requirements :

- High-end Computer/Laptop (Windows OS);
- Good quality web camera;
- Headphone with Microphone;
- Speakers;
- Large Display Screen (Projector or TV) .

Software and Internet Requirements

- Online live access through <http://live.iirs.gov.in> with free registration.

Connectivity & Other configurations:

- NKN or any other high speed internet facility (preferably without firewall, with minimum of 2 Mbps bandwidth)
- Network requirements: Port 80 and RTMP (port 1935) protocol should be unblocked from user's computer and Firewall.

Note: Institutions/ Universities have to bear total expenses for establishment of the classroom facility.