

IIRS Outreach Programme

The IIRS outreach programme, which started in 2007 with 12 universities/ institutions has now grown substantially. Currently, 3300+ universities / institutions spread across India. The beneficiaries of the programme may include:

- Central/State/Private Universities & Academic Institutions
- Central & State Government Departments
- State agriculture/horticultural/forest Professionals
- State climate change department/stakeholders
- Research Institutes
- Geospatial Industries
- NGOs

Feedback Mechanism

The participants can submit their feedback through online portal. Feedbacks are critically analyzed and implemented in next courses. For one to one feedback the participants and participating organizations are invited to attend annual IIRS User Interactive Meet (IUIM) at IIRS Dehradun.



Feedback session during IIRS User Interaction Meet (IUIM)-2020

Awards of Appreciation

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 for Natural Resources, 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 (<https://elearning.iirs.gov.in>).

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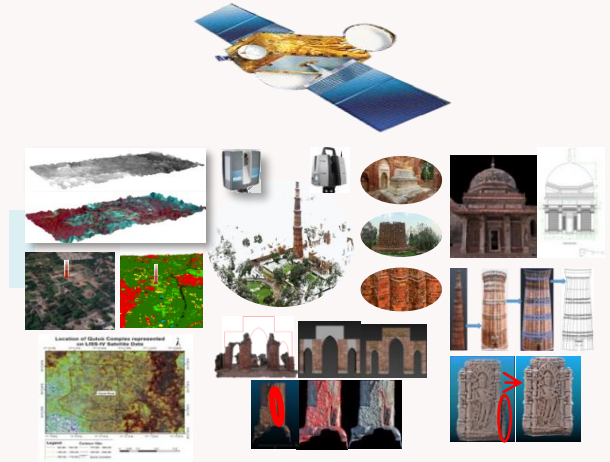
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One Hundred Thirtieth IIRS Outreach Programme



Automated Feature Extraction from High Resolution Images

November 20-24, 2023



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

Geospatial technologies undeniably play a significant role in understanding and preserving archaeological histories. It has been widely used for archaeological studies since past few decades. Archaeology refers to the study of spatial dimension of human behaviour over time. This suggests that archaeology always has a geospatial component to it. Geospatial technologies can be used for many purposes, such as historical documentation, digital preservation and conservation, cross-comparisons, monitoring of shape and colors, simulation of aging and deterioration, virtual reality/computer graphics applications of archaeology sites.

We invite you to attend this training program on Geospatial Technology for Archaeological Studies. The course is scheduled from August 07-11, 2023

Curriculum

- Overview of Automatic Feature Extraction
- Pixel Based Information Extraction
- Object Based Information extraction
- Sub Pixel Based Information Extraction
- Machine and Deep Learning for Automatic Feature Extraction

Expected Outcome

At the end of this course participant are expected to have a comprehensive understanding of algorithms and methods used in automated feature extraction from high resolution images

Target Participants

The course is designed for students from various central/state universities, academicians, Scientists, Researchers and Professionals who are involved in processing of different geospatial data for archaeological applications.

- Prerequisite: Understanding of Basic concepts of Remote Sensing and GIS,
- The candidate who wants to participate in the course must be graduate.

Pre-requisites:

Understanding of Basic concepts of Remote Sensing and Image Processing

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

The Course is free of cost.

Course Registration

- Course updates and other details will be available on URL- <http://www.iirs.gov.in/Edusat-News/>.
- To participate in this programme the interested organizations/ universities/ departments/ Institutes has to identify a coordinator at their end. The identified coordinator will register online his/her Institute as nodal center in IIRS website.
- All the participants has to register online through registration page by selecting his/her organization as nodal center.

There are limited number of seats. Registration will be done on first come first serve basis

Course Funding & Technical Support

The programme is sponsored by Indian Space Research Organisation, Department of Space, Government of India

Programme Reception

Programme can be received through e-class platform of IIRS-ISRO using internet connectivity. No specific hardware/software required. However, it is recommended good internet connectivity at user end. To run the programme in class room, following hardware will be required:

- Desktop computer with web camera microphone and output speakers or laptop with microphone camera and output speaker.
- Large display screen/projector/TV.

Important links

Courses updates and other details will be available on URL – <https://www.iirs.gov.in/EDUSAT-News>

To participate in this programme the interested organisations/universities/departments/institutes have to identify coordinator at their end. The identified coordinator will register online his/her institute as nodal centre in IIRS website (<https://elearning.iirs.gov.in/edusatregistration/coordinator>)

All the participants have to register online through registration page by selecting his/her organization as nodal center. <https://elearning.iirs.gov.in/edusatregistration/student>

Award of Certificate

Working Professionals and Students: Based on 70% attendance.