

## IIRS Outreach Programme

The IIRS outreach programme, which was started in 2007 with 12 universities/ institutions has now grown substantially to 4000+ network institutes. The beneficiaries of the programme may include:

- Central/State/Private Universities & Academic Institutions
- Central & State Government Departments
- Forest Resource Professionals
- State Forest Departments/Forest Training Academies
- Research Institutes
- Geospatial Industries
- NGOs

## Feedback Mechanism

IIRS takes continuous feedback from participating institutions to improve the quality of future courses.

## 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). IIRS has also received National Geospatial Enabler Award, 2025 by Ministry of Education, Govt. of India at IIT Bombay.



## 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 (<http://elearning.iirs.gov.in>).

## Contact Details

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## 178<sup>th</sup> IIRS Outreach Programme



## Geospatial Information, Mapping standards and Spatial analytics framework for Master Plan Formulation

**April 06-17, 2020**



**Indian Institute of Remote Sensing**  
Indian Space Research Organisation  
Department of Space, Govt. of India  
Dehradun  
[www.iirs.gov.in](http://www.iirs.gov.in)

## About the Course

The Indian cities are experiencing rapid growth with share of country's urban population increasing from 27% in 2001 to 32% in 2011. In order to ensure a planned development, the Govt. of India has launched the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) Mission which has a sub-scheme on 'Formulation of GIS Based Master Plan for AMRUT cities'. IIRS along with Town and Country Planning Organisation (TCPO), Ministry of Housing and Urban Affairs (MoHUA), GoI has developed the contents of the course for capacity building of personnel involved in the sub-scheme.

We invite you to attend this training program on Geospatial Information, Mapping standards and Spatial analytics framework for Master Plan Formulation. The course is scheduled from April 6-17, 2026. The course will contain nine lectures (each of one to one and half hour duration).

## Curriculum

Following topics will be covered in this course

- Overview of Govt. Initiatives for urban development
- Overview of RS and GIS data for application in urban area
- Basic concepts, data policies and DGCA guidelines of drone/UAV
- Survey Techniques and Navigation Systems
- Sankalan Mobile App for field data collection

## Target Participants

The candidates who want to participate in the course should be a student of final year undergraduate course or postgraduate course (any year). Technical/Scientific Staff of Central/ State Government/Faculty/researchers at university and

institutions are also eligible to apply for this course. Applications of participants have to be duly sponsored by university/institute and forwarded through coordinators from respective centres.

## Course Study Material

Course study materials like lecture slides, video recorded lectures, open source software & handouts of demonstrations, etc. will be made available through e-class. Video lectures will also be uploaded on e-class (<https://www.eclass.iirs.gov.in/login>).

## Course Fee

There is no course fee for attending this programme

## Course Registration

Workshop updates and other details will be available on URL- <http://www.iirs.gov.in/Edusat-News/>

### **Registered “through Nodal centres”:**

- The participant's registration must be approved by the coordinator of nodal centers.
- The participants can register and see their application status through URL- <https://elearning.iirs.gov.in/edusatregistration/>
- In case, the application is pending for approval then participants are advised to contact the coordinator of respective nodal center.

### **Registered as “Individual registrations”:**

The participants with individual registration will be automatically approved. All the registered participants will get their login credentials for ISRO Learning Management System (LMS)- <https://isrolms.iirs.gov.in> .

## Course Funding & Technical Support

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

## Programme Reception

- The workshop can be attended 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

To participate in this programme the interested organisations/universities/departments/institutes shall identify coordinators who will register online his/her institute as nodal centre in IIRS website (<https://elearning.iirs.gov.in/edusatregistration/coordinator>)

## Award of Certificate

**Registered through Nodal centres** : Based on the attendance, participants will be awarded a “Course Participation Certificate.”

**Individual Registration:** A certificate for “Course Participation” will be awarded to everyone who devotes at least 50% of the total session's hours of the workshop. The certificate will be available on the ISRO LMS platform.