

# 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.



Feedback session during IIRS Academia Meet-2025

## 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 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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### IIRS DLP Team

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**INDIAN INSTITUTE OF REMOTE SENSING,**  
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# CLIMATE CHANGE INDUCED DISASTERS

June 22 – 25, 2026



185th IIRS Outreach Programme

Organised by

**INDIAN INSTITUTE OF REMOTE SENSING**  
Indian Space Research Organisation  
Department of Space, Govt. of India  
Dehradun

## About the Course

Climate change is emerging as one of the most significant global challenges of the twenty-first century, influencing the frequency, intensity, and spatial distribution of natural hazards across the world. Rising temperatures, altered precipitation patterns, sea-level rise, glacier retreat, and changing atmospheric conditions are contributing to more frequent and severe heatwaves, droughts, floods, tropical cyclones, wildfires, landslides, and coastal hazards. These events pose substantial risks to human health, livelihoods, infrastructure, ecosystems, and economic development. Understanding the complex interactions between climate change and hazard processes is essential for informed decision-making, effective disaster risk reduction, and sustainable resource management. This course provides an overview of Geospatial Technology to the science, impacts, assessment, and management of climate change-induced hazards, equipping learners with the knowledge and tools needed to build resilience and support sustainable development in a changing climate.

## 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) of physical sciences and technology. Applications of participants have to be duly sponsored by university/institute and forwarded through coordinators from respective centres.

## Funding & Technical Support

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

## 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>).

## Curriculum

The course structure is spread into following broad topics of teaching on:

Date and Time	Topic	Faculty
22-June-2026 (16:00 – 17:00 Hrs)	Application of Geospatial Technology in Cryospheric Hazards	Dr. Pratima Pandey
23-June-2026 (16:00 – 17:00 Hrs)	Application of Geospatial Technology in Forest Fires	Dr. Arijit Roy
24-June-2026 (16:00 – 17:00 Hrs)	Application of Geospatial Technology in Heatwaves	Dr. Kshama Gupta
25-June-2026 (15:00 – 16:00 Hrs)	Application of Geospatial Technology in Droughts	Dr. Abhishek Danodia
25-June-2026 (16:00 – 17:00 Hrs)	Application of Geospatial Technology in Hydrological Hazards	Shri C.M. Bhatt

## Course Registration

### Course updates and details:

Available at: <https://www.iirs.gov.in/Edusat-News/>

### Registration through Nodal Centers:

Participants registering via nodal centers must obtain approval from the respective center coordinator. Application status can be viewed at: <https://elearning.iirs.gov.in/edusatregistration/>.

If an application remains pending, participants should contact their nodal center coordinator.

### Individual Registration:

Participants registering individually are approved automatically. Login credentials for the ISRO Learning Management System (LMS) will be provided at: <https://isrolms.iirs.gov.in>

## 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.

## Course Fee

There is no course fee for attending this programme.

## Important links

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>)

## Award of Certificate

**Registered through Nodal centres :** Based on 70% attendance, students will be awarded a "Courses Participation Certificate."

**Individual Registration:** A "Course Participation" certificate will be given to everyone who devotes at least 70% of each session's hours to the course. The course participation certificate will be available for download in ISRO LMS.

**Note:** There are a limited number of seats. Therefore, Registration will be done on a first-come, first-served basis.