IIRS Outreach Programme

The IIRS outreach programme, which was started in 2007 with 12 universities/ institutions has now grown substantially to 3000+ network institutes. The beneficiaries of the programme may include:

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

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

Feedback Mechanism

IIRS has conducted eleven workshops in 2007, 2009, 2010, 2013, 2014, 2015, 2016.2017,2018,2019,2020, 2021 and 2022 to take 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).

About IIRS

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organisation (ISRO), Department of Space, Govt. of India is a premier Education, Training and Outreach Institute for developing trained professionals in the field of Remote Sensing, Geoinformatics and GNSS Technology for Natural Resources, Environmental Monitoring and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute is the first of its kind in entire South-East Asia. Playing a leading role in imparting training to mid-career professionals from various government departments in the initial period, 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.

Contact Details

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Course Coordinator

Dr. Hitendra Padalia
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IIRS DLP Team

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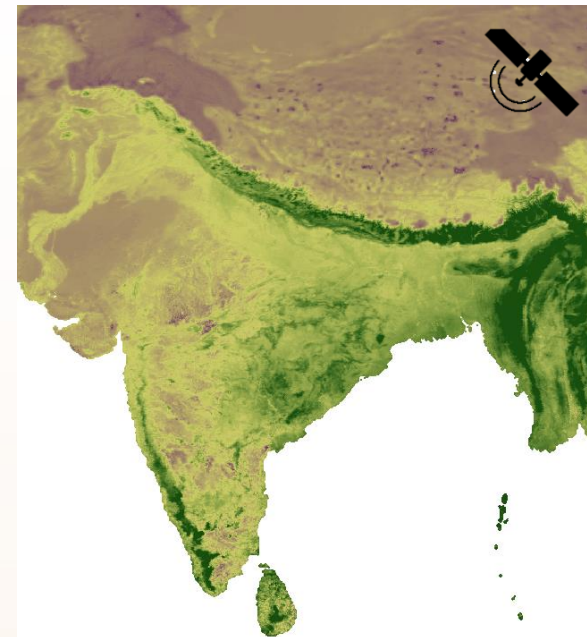Programme Coordinator
IIRS Outreach Programme

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Indian Institute of Remote Sensing,
Indian Space Research Organisation
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Geospatial Applications for Forest Ecosystem Analysis

June 20 - 25, 2022

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

Forests are our natural defense against climate change and providers of critical ecosystem services vital for human well-being. They also harbor a greater range of biodiversity than any other terrestrial ecosystems on Earth. Therefore, effective monitoring and precise assessment of forest structure, composition, function and anthropogenic pressure are essential to understand the forest ecosystem response to climate change and in sustainable management of forest. Ever-evolving geospatial technology is an effective tool for assessment, monitoring and management of forest ecosystem.

The course brings both theoretical as well as use cases on how geospatial technology can be effectively applied to better understand and manage the forest ecosystems.

Course Content

- Overview on application of geospatial technology in forest ecosystem studies
- Geospatial application for forest biomass assessment
- Geospatial application for forest productivity assessment
- Geospatial application for biodiversity study for conservation planning
- Forest monitoring using publically available EO data & cloud resources

Expected Outcome

It should enable the participants to self explore and apply methodology on use of geospatial technology for monitoring and assessment of various forest ecosystems.

Target Participants

The candidates who want to participate in should be a postgraduate or final year postgraduate student of Environmental Science/Life Science. Scientific Staff of Central/State Government/Faculty/researchers at university/institutions are also eligible to apply for this course.

Course Study Material

Course study materials like lecture slides, video recorded lectures, 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

• 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 have to register online through registration page by selecting his/her organization as nodal center.

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 centre.

https://elearning.iirs.gov.in/edusatregistration/student

Award of Certificate

Working Professionals and Students: Based on 70% attendance

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