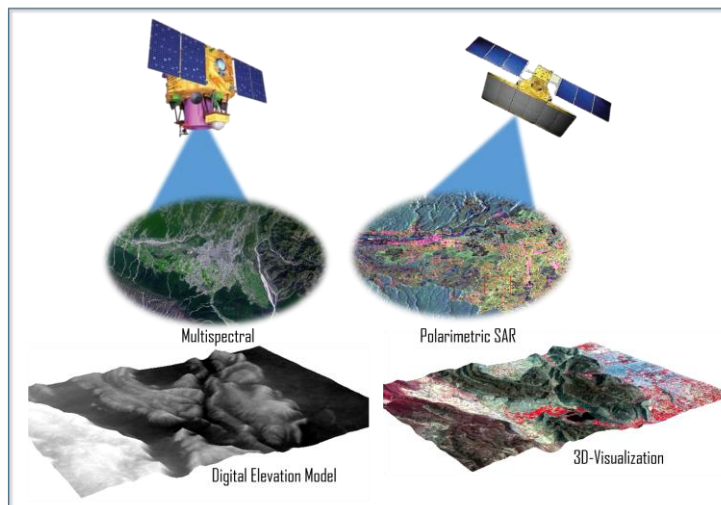


Short Course on Remote Sensing & Image Analysis

January 15 – March 08, 2024



Indian Institute of Remote Sensing
Indian Space Research Organisation
Department of Space, Government of India
Dehradun - 248 001, Uttarakhand
www.iirs.gov.in

INTRODUCTION

Remote Sensing is playing a key role in the management of natural resources and man-made environment. It helps generating wealth of information by providing a large number of inputs vital for informed decision making at various levels of implementation of projects. The capacity-building requirement is growing day by day, with the advancements in sensor technology, frequent as well as high availability of Earth Observation data from newer and advanced systems, processing methods and other allied geospatial and computing technologies.

Keeping this in view, the course is designed and organised to build capacity on various aspects of the Remote Sensing technologies, data processing, analysis and its applications. The course includes the concepts of Remote Sensing (Optical/Thermal/Microwave), Photogrammetry, SAR Interferometry, Satellite Navigation, Digital Image Processing, Deep Learning concepts and Geographical Information System along with latest trends.

OBJECTIVE

The prime objective of this programme is to train and enhance the capacity of working professionals, researchers and students in the field of remote sensing with special emphasis on processing of remotely sensed data using digital image processing techniques. The course trains the course participants with a good working knowledge of the theory and practice of the geospatial tools and technologies.

COURSE DURATION AND STRUCTURE

The duration of the course is eight weeks and consists of three modules:

- (i) Basics of Remote sensing and Photogrammetry (3 Weeks);
- (ii) Digital Image Analysis and GIS (3 weeks); and
- (iii) Thematic lectures and Project work (2 weeks).

TARGET PARTICIPANTS

This course is primarily meant to train working professionals from Central and State Govt. Departments, Non-Governmental Organisations, Universities and Educational Institutions, private industry, entrepreneur, researchers (JRF/SRF) and fresh Graduates/Post Graduates in the area of remote sensing and image analysis.

NUMBER OF SEATS & ELIGIBILITY

Total 30 seats are available (all seats are for Indian nationals only).

Candidates having Bachelor's degree in Science/Engineering (OR) Government officials with Bachelor's degree in any discipline are eligible to apply.

Please refer Course Calendar available in IIRS website (<https://admissions.iirs.gov.in/coursecalendar>) for other details.

COURSE FEE

Rs. 20,000 (Rs. 12,000 course fee + Rs. 8,000 towards registration & other charges).

Both Government sponsored and Self-financed candidates, on selection, will have to pay the above mentioned course fee.

ACCOMMODATION

The lodging and boarding facilities are provided to all course participants at IIRS in its hostels at nominal charges. All hostel rooms are well furnished and are allotted on single/double occupancy basis. Local candidates will be considered for hostel accommodation, only if available. **No accommodation will be provided to the accompanying person/ children.**

Indian cuisine is served in the hostel mess. The expenditure towards boarding and lodging (currently, Rs. 6000 p.m. approx.) will have to be borne by the participants as per IIRS hostel's policy. The campus also has recreational facilities such as gymnasium, badminton, table tennis, party hall, etc.

HOW TO APPLY

Please fill up the **online application** form available in the IIRS website at the following link

<https://admissions.iirs.gov.in/>

Offline applications will not be considered.

The **start date to apply** for the course is **01.08.2023** and the last **date to apply** for the course is **24.11.2023 [17:30 hrs]**.

Candidates nominated by the government organizations will be given preference for admission followed by other working professionals. **Govt.-sponsored candidates must submit the Nomination Form from the Competent Authority of their parent organisation/institute at the time of submitting the online application.** The template of the Nomination Form can be downloaded from <https://admissions.iirs.gov.in/nominations>

Application Fee: Rs. 1,000 (Rupees One thousand only)

ABOUT IIRS

Indian Institute of Remote Sensing (IIRS) is a premier institute with a primary aim to build capacity in Remote Sensing and Geoinformatics technologies and their applications through training & education, research and outreach programmes. IIRS is a Unit of Indian Space Research Organisation (ISRO), Department of Space, Government of India. Formerly known as Indian Photo-Interpretation Institute (IPI), founded in 1966, the Institute is 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 since its inception in 1966, the Institute has enhanced its programmes to meet the requirements of various stake-holders, ranging from fresh graduates to policy makers including academia, industry, different government departments and NGOs.



IIRS is one of the most sought after institutes for conducting specially designed courses for the officers from the Ministries of the Government of India and State Governments for effective use of Earth Observation (EO) data from satellites for the benefit of society. Ministry of External Affairs, Government of India has recognised IIRS to conduct international training courses for the participants from ITEC (Indian Technical & Economic Cooperation) Member countries in Asia, Africa, Latin America, Central and Eastern Europe, and several Pacific and Caribbean nations.

IIRS also hosts the headquarters of the Centre for Space Science & Technology Education in the Asia and Pacific (CSSTEAP), affiliated to the United Nations, and conducts its training and education courses in RS & GIS.

LOCATION & ACCESSIBILITY

Indian Institute of Remote Sensing (IIRS) is located in Dehradun, the capital city of the State of Uttarakhand, at a distance of about 260 km from Delhi and is well-connected by air, rail and road. The city is famous for its picturesque landscape, pleasant climate, and is the gateway to several places of religious and tourist importance.

Important Dates:

Start date to apply	01.08.2023
Last date to apply	24.11.2023
Announcement of Results	15.12.2023
Course Start date	15.01.2024
Course End date	08.03.2024

For more information and further clarification, please write to:

Sh. Ashish Joshi Course Coordinator, C-RS Scientist/Engineer "SF"	Photogrammetry & Remote Sensing Department, Indian Institute of Remote Sensing, Department of Space, Govt. of India, 4, Kalidas Road, Dehradun - 248001, Uttarakhand Tel: 0135-2524112 Email: ashish@iirs.gov.in
Dr. Anil Kumar Head, PRSD & Scientist/Engineer "SG"	Photogrammetry & Remote Sensing Department, Indian Institute of Remote Sensing, Department of Space, Govt. of India, 4, Kalidas Road, Dehradun - 248001, Uttarakhand Tel: 0135-2524114 Email: anil@iirs.gov.in
Ms. Minakshi Kumar Head, Academics & Scientist/Engineer "SG"	Indian Institute of Remote Sensing Department of Space, Govt. of India, 4, Kalidas Road, Dehradun - 248001 Uttarakhand Tel: +91-135-2524118 Email: academics@iirs.gov.in