

Post-Graduate Diploma in Geoinformation Science & Earth Observation with Specialisation in Geoinformatics

Session (2024 – 2025)



Indian Institute of Remote Sensing
Indian Space Research Organisation
Department of Space, Government of India
Dehradun -248001, Uttarakhand

www.iirs.gov.in

INTRODUCTION

Geoinformatics refers to a suite of sciences & technologies namely Remote Sensing (RS), Geographical Information Science (GIS), Global Navigation Satellite System (GNSS) and Information and Communications Technologies (ICT). The technology has immense potential in myriad application domains ranging from health, governance, natural resources management, disaster management to name a few. This domain is technology driven and the new advances related to big data, artificial intelligence, machine learning and cloud computing are being used for timely processing, handling, & managing geospatial data so as to make informed decisions. This course is designed towards providing trained manpower in the field of Geoinformatics by covering fundamentals skills along with hands-on knowledge for executing geospatial based project.

ABOUT THE COURSE

Post Graduate Diploma (PGD) in Geo-information Science and Earth Observation (specialisation: Geoinformatics) is offered within the framework of Joint Education Programme (JEP) of the Indian Institute of Remote Sensing (IIRS) and the Faculty of Geo-information Science and Earth Observation (ITC) of the University of Twente (UT), The Netherlands. Upon successful completion of the course, the participants receive the Postgraduate Diploma in “Geo-information Science and Earth Observation (Geoinformatics)” awarded jointly by the Faculty ITC/ University of Twente and IIRS.

AIM OF THE COURSE

This course aims to provide learning of geo-information science and earth observation technologies to generate, integrate, analyse, visualise and disseminate spatial data for various applications. Participants will gain skills in formulating and carrying out independent pilot project in the field of Geoinformatics, most likely, as part of a multi-disciplinary research and development project.

COURSE DURATION AND STRUCTURE

The course is of one year duration having four quartiles. Students follow the course at IIRS.

A broad structure of the programme is given below:

Quartile	Course
Q1	Core
	Academic Skills
Q2	Scientific Geocomputing
	Acquisition and Exploration of Geospatial Data
Q3	Academic Skills
	Elective Course
	Extraction, Analysis and Dissemination of Geospatial Information
Q4	Academic Skills
	Elective Course
	Individual Project, Report Writing, Evaluation
	Academic Skills

TARGET PARTICIPANTS

This course is targeted for those who are interested to learn Geoinformatics and its various applications. Both the working professionals and fresh graduates (including candidates in final semester/year of their qualifying degree) can apply for the course.

ELIGIBILITY, APPLICATION & ADMISSION PROCESS

Please refer course calendar available in IIRS website (<https://www.iirs.gov.in/iirs-course-calendar>) for details on the essential qualifications, age limit, and application & admission process for this course.

NUMBER OF SEATS

Total 10 seats are there in this course.

COURSE FEE

Candidate Category	ITC Fees (in Euro)	IIRS Fees
Govt. Sponsored*	€ 550	Nil
Self -Financed Indian	-do-	Rs 80,000
Self- Financed Foreign	-do-	USD 8,000

*Govt.-sponsored candidate means only the Permanent Employee nominated by a Govt. organization in India (Central or State Government Ministries/Departments or Autonomous Institutions and State or Central Govt.-funded Universities). Such 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>.

ACCOMODATION

The lodging and boarding facilities are provided to all students at IIRS in its hostels. All hostel rooms are well furnished and are allotted on 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 will have to be borne by the participants as per the IIRS hostel rules & regulations.

ABOUT IIRS

IIRS is a premier institute with a primary aim to build capacity in Remote Sensing and Geoinformatics technologies and their applications through training, education and research programmes. IIRS is a Unit of Indian Space Research Organisation (ISRO), Department of Space, Government of India. While nurturing its primary endeavor 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 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 Remote Sensing & GIS.

LOCATION & ACCESSIBILITY

Indian Institute of Remote Sensing (IIRS) is located in Dehradun, the capital city of the State of Uttarakhand. Dehradun is about 260 km from Delhi and is well-connected by air, rail and road. The city is famous for its picturesque landscape, pleasant climate, high quality school education and is the gateway to several places of religious and tourist importance. Map Link to reach IIRS Campus is available at <https://www.iirs.gov.in/how-to-reach>

Important Dates[#]

Start Date to Apply	10.01.2024 [10:00 hrs]
Last Date to Apply	31.03.2024 [17:30 hrs]
Course Start Date	19.09.2024

[#] The dates mentioned may change, and the decision of the Institute shall be final.

Note: P.G. Diploma in Geoinformation Science & Earth Observation with specialization in Geoinformatics is awarded jointly by the IIRS and Faculty of Geoinformation Science & Earth Observation (ITC), University of Twente, The Netherlands. Conversion from P.G. Diploma in Geoinformatics (D-GI) to M.Sc. in Geoinformatics (MS-GI) may be allowed at appropriate time during the P.G. Diploma coursework, subject to eligibility of the candidate, availability of seat, meeting other criteria as specified by the Institute, approval of the ITC/University of Twente, and as per prevailing rules & regulations.; only those P.G. Diploma (D-GI) students who have also applied for M.Sc. programme (MS-GI) at the time of filing online application and who are waitlisted in the M.Sc. admission list shall be considered for the conversion from P.G. Diploma to M.Sc.; Decision of the Institute in this regard shall be final.

Candidates are advised to read the 'Important Information for Candidates' section given at the end of IIRS Course Calendar at the IIRS website (<https://www.iirs.gov.in/iirs-course-calendar>)

CONTACT US

For general & academic queries related to the course, please write to:

academics@iirs.gov.in

Tel: 0135-252-4122, 4136 (Academics, IIRS)

Fax: 0135-2741987

For technical queries related to the course, please write to:

pgdgi@iirs.gov.in

COURSE TEAM:

Course Director:

Dr. Vandita Srivastava

Scientist SG & Head, Geoinformatics Department

Course Coordinator:

Shri Kapil Oberai

Scientist SF, Geoinformatics Department