



Published on: August 11th 2025

Govt. of India
Department Space
Indian Space Research Organization
Indian Institute of Remote Sensing

One Hundred Sixty-Four IIRS Outreach Programme
On
Basic of RS, GIS & GNSS

Tentative Course Schedule

S. No.	Course Name	Module Name	From	To
1.	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System	Complete Basic Course	25-08-2025	21-11-2025
2.	Remote Sensing and Digital Image Analysis	Module-1	25-08-2025	19-09-2025
3.	Overview of Global Navigation Satellite System	Module-2	22-09-2025	03-10-2025
4.	Overview of Geographical Information System	Module-3	06-10-2025	29-10-2025
5.	Overview of Geocomputation and Geo-web services	Module- 4	03-11-2025	07-11-2025
6.	RS & GIS Applications in Natural Resource Management	Module-5	10-11-2025	21-11-2025

Course Name: Remote Sensing & Digital Image Analysis

Course Id: 165

Course Coordinator: Mrs. Minakshi Kumar

Duration of the Course: 25-08-2025- 19-09-2025

Date	Day	Time	Topic	Speaker
25-08-2025	Monday	1600-1730 hrs	Basic Principles of Remote Sensing	Dr. Manu Mehta
26-08-2025	Tuesday	1600-1730 hrs	Spectral Signatures of Different Land cover Features and Visual Image interpretation	Dr. Hina Pande
27-08-2025	Wednesday		Ganesh Chaturthi / Vinayaka Chaturthi (R)	
28-08-2025	Thursday	1600-1730 hrs	Earth Observation Sensors and Platforms	Mr. Vinay Kumar
29-08-2025	Friday	Offline	RS and Image Interpretation Practical	Offline
30-08-2025	SAT			
31-08-2025	SUN			
01-09-2025	Monday	1600-1730 hrs	Digital Image Processing: Basic Concepts Rectification and Registration	Ms. Minakshi Kumar
02-09-2025	Tuesday	Workshop of the 1048		
03-09-2025	Wednesday	1600-1730 hrs	Image Enhancement techniques	Dr. Poonam S. Tiwari
04-09-2025	Thursday	1600-1730 hrs	Image Classification Techniques	Dr. Anil Kumar
05-09-2025	Friday		Milad-un-Nabi or Id-e-Milad (Birthday of Prophet Mohammad) (G) Onam or Thiru Onam Day (R)	
06-09-2025	SAT			
07-09-2025	SUN			
08-09-2025	Monday	1600-1730 hrs	Accuracy Assessment and Digital Change Detection	Dr. Anil Kumar
09-09-2025	Tuesday	1600-1730 hrs	Image Processing Hands-on Demo using QGIS	Mr. Prasun Kumar Gupta
10-09-2025	Wednesday	1600-1730 hrs	BREAK	
11-09-2025	Thursday	1600-1730 hrs	Thermal Remote Sensing	Dr. Shashi Kumar
12-09-2025	Friday	offline 1600-1730 hrs	Image Processing QGIS- hand-n Self Practice	Offline
13-09-2025	SAT			
14-09-2025	SUN			
15-09-2025	Monday	1600-1730 hrs	Hyperspectral Remote Sensing	Mr. Vinay Kumar
16-09-2025	Tuesday	1600-1730 hrs	Open Source Data and International Geoportals for Satellite data download	Dr. Harish Karnatak
17-09-2025	Wednesday	1600-1730 hrs	Basics of Microwave Remote Sensing	Dr. Shashi Kumar
18-09-2025	Thursday	1600-1730 hrs	Basics of SAR Data Processing	Mr. Ashish Joshi
19-09-2025	Friday	1600-1730 hrs	Basics of UAV Remote Sensing	Mrs. Shefali Agrawal

Date	Day	Time	Topic	Speaker

Module Name- Overview of Geocomputation and Geo-web services

Course Id:172

Module/ Course Module/Course Coordinator: Shri. Kamal Pandey

Course Duration: 03/11/2025 to 07/11/2025

Date	Day	Time	Topic	Speaker
03-11-2025	Monday	1600-1730 hrs	Introduction to Geocomputation, Online GIS and Geo-web services Interactive Session	Dr. Harish Karnatak
04-11-2025	Tuesday	1600-1730 hrs	Open Geodata Repositories & ISRO Geoweb Services for thematic applications Interactive Session	Mr. Kamal Pandey
05-11-2025	Wednesday		Holiday Guru Nanak's Birthday (G)	
06-11-2025	Thursday	1500-1610 hrs	Programming concepts for Geo-computation - Introduction to Python and R Interactive Session	Mr. Ravi Bhandari
06-11-2025	Thursday	1615-1730 hrs	Overview of WebGIS and application development Interactive Session	Mr. Kamal Pandey
07-11-2025	Friday	1600-1730 hrs	Demonstration on Introduction to Cloud based geospatial data processing Interactive Session	Mr. Ravi Bhandari

Note:

1. Details about the course, examination and latest schedule will be updated on below link;
2. Other module Schedule will be updated before the commencement of course

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