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**Government of India**  
**Department of Space**  
**Indian Space Research Organisation (ISRO)**  
**INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN**

**iirs**

**Annual Course Calendar, IIRS Distance Learning Programme – 2025**

S. N.	Couse No	Title	Tentative Dates & Timings	Duration	Type	Domain	Course Director/ Coordinator
<b>January, 2025</b>							
1.	155	Overview of Space Science and Technology (START Programme)	January 09- January 29, 2025	3 weeks	Live & Interactive Course	Space Science	SPO ISRO HQ
2.	1044	अंतरिक्ष प्रौद्योगिकी के अनुप्रयोग	January 10, 2025	1 Day	Workshop	Space Technology	Dr. Harish Chandra Karnatak / Dr. Kamal Pandey
3.	SYM-01	Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System.	by AICTE (Through SWAYAM portal)	13 Weeks (Open)	MOOC	Remote Sensing and GIS	Dr. Poonam S. Tiwari
<b>February, 2025</b>							
4.	156	Geodata Processing using Python and Machine Learning	February 17-28, 2025 (1600 hrs. to 1700 hrs.)	2 Weeks	Course	Advances in GIS	Dr. Harish Chandra Karnatak / Mr. Ravi Bhandari
5.	13	Earth Observation for Climate Action	February 10-28, 2025		MOOC	Thematic Application- Climate Change	Dr. Arijit Roy
<b>March, 2025</b>							
6.	157	Remote Sensing of Soils : mapping, classification and evaluation for Agricultural Land Use Planning	March 03-07, 2025	1 Week	Course	Thematic Application - Soil	Dr. Suresh Kumar/ Mr. Justin George

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7.	1045	Martian surface, analogues and atmosphere	March 12, 2025	1 Day	Workshop	Space Science	Dr. Manu Mehta and Dr. Mamta Chauhan
8.	158	Space Technology for Disaster Risk Reduction	March 24-28, 2025	1 Week	Course	Thematic Application-Disaster	Dr. Arijit Roy/ Dr. C. M. Bhatt
<b>April, 2025</b>							
9.	1046	Application of AI/ML model for Specific Crop Acreage	April 02, 2025	1 Day	Workshop		Dr. Anil Kumar
10.	159	Space Exploration Technology: an Overview	April 14-18, 2025	1 Week	Course	Space Science	SPO, ISRO HQ
<b>May, 2025</b>							
11.	160	The Method of Space Science Research	May 05-09, 2025	1 Week	Course	Space Science	SPO, ISRO HQ
12.	161	Recent trends in Ecological Modelling & Simulation	May 12-16, 2025	1 Week	Course	Thematic Application-Forestry	Dr. Hitendra Padalia
13.	162	Geospatial technology for modelling of Urban Environment	May 26-30, 2025	1 Week	Course	Thematic Application-Urban Planning	Dr. Sandeep Maithani
<b>June, 2025</b>							
14.	163	Space Technology & Applications-For School Teachers	June 02-06, 2025	1 week	Live & Interactive Course	Space Technology	Dr. Harish Chandra Karnatak / Dr. Kamal Pandey
15.	167	Archival and Access of the Space Science Data	June 09-13, 2025	1 week	Live & Interactive Course	Space Technology	SPO, ISRO HQ
16.	168	Remote Sensing Data for Analytics Crop Production Forecasting	June 16-20, 2025	1 week	Live & Interactive Course	Thematic Application - Agriculture	Dr. N. R. Patel
<b>July, 2025</b>							
17.	SYM-02	Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System.	by AICTE (Through SWAYAM portal)	13 Weeks (Open)	MOOC	Remote Sensing and GIS	Dr. Poonam S. Tiwari
18.	SYM-03	अंतरिक्ष प्रौद्योगिकी का अवलोकन	by AICTE (Through SWAYAM portal)	4 Weeks (Open)	MOOC	Space Science	Mr. Dharmendra Kumar

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19.	SYM-04	Overview of Space Science	by AICTE (Through SWAYAM portal)	4 Weeks (Open)	MOOC	Space Science	Dr. T.P.Das/ Dr. Praveen Kumar, ISRO HQ
20.	1047	Advances in thermal infrared RS for ecological studies	July 16, 2025	One Day	Workshop	Thematic Application-Ecology	Dr. Hitendra Padalia
<b>August, 2025</b>							
21.	169	Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System".	August 25- November 21, 2025 (1600 hrs. to 1700 hrs.)	13 Weeks	Live & Interactive Course	Remote Sensing and GIS	Dr. Poonam S. Tiwari
22.	170	Remote Sensing and Digital Image Analysis.	August 25- September 19, 2025 (1600 hrs. to 1700 hrs.)	4 Weeks	Live & Interactive Course	Digital Image Analysis	Mrs. Minakshi Kumar
23.	171	Remote Sensing and numerical ocean modelling for oceanic processes	August 25- 29, 2025 (1100 hrs. to 1200 hrs.)	1 Week	Live & Interactive Course	Thematic Application - Atmospheric Science	Dr. D. Mitra/ Dr. Sachiko Mohanty
<b>September, 2025</b>							
24.	172	रिमोट सेंसिंग और जीआईएस प्रौद्योगिकी के बुनियादी सिद्धांत (हिन्दी में पाठ्यक्रम)	September 08-19, 2025 (1100 hrs. to 1200 hrs.)	2 weeks	Live & Interactive Course	Space Technology	Dr. Harish Chandra Karnatak / Dr. Poonam S. Tiwari
25.	173	Overview of Global Navigation Satellite System.	September 22 – October 03, 2025 (1600 hrs. to 1700 hrs.)	2 Weeks	Live & Interactive Course	Satellite Navigation	Dr. Ashutosh Bhardwaj
26.	174	Remote Sensing Observations & Data Processing Techniques for Earth & Planetary Geological Studies	September 22 – October 03, 2025 (1100 hrs. to 1200 hrs.)	2 Weeks	Live & Interactive Course	Planetary Science	Dr. Mamata Chauhan
<b>October, 2025</b>							
27.	175	Overview of Geographical Information System	October 06- 29, 2025 (1600 hrs. to 1700 hrs.)	3 Weeks	Live & Interactive Course	Technology-GIS	Dr. Vandita Srivastava/ Mr. Prabhak

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							Dr. Alok Verma
28.	1048	Advances in Laser remote sensing of forest ecosystem	October 31, 2025	1 Day	Workshop	Thematic Application - Forestry	Dr. Hitendra Padalia
<b>November, 2025</b>							
29.	14	Remote Sensing of the Moon and the Mars by ISRO	November 03-07, 2025	1 Week	MOOC	Planetary Science	Dr. Pratima Pande
30.	176	Overview of Geocomputation and Geo-web services	November 03-07, 2025 (1600 hrs. to 1700 hrs.)	1 week	Live & Interactive Course	Data Science	Dr. Kamal Pandey
31.	177	RS & GIS Applications in Natural Resource Management	November 10-21, 2025 (1600 hrs. to 1700 hrs.)	2 Weeks	Live Course	Thematic Applications	Mr. C.M. Bhatt
<b>December, 2025</b>							
32.	178	Research and Career Opportunities for Space Science and Technology in India	December 01-05, 2025	1 week	Live & Interactive Course	Career prospects	SPO, ISRO HQ
33.	1049	Understanding the Science behind Geological Hazards for Early Warning & Mitigation Measures	December 10, 2025	1 Day	Workshop	Thematic Application-Geology	Dr. Shovan Lal Chatteraj
34.	1050	Aerosols: measurement, retrieval and impacts	December 17, 2025	1 Day	Workshop	Thematic Application - Atmospheric Science	Dr. Manu Mehta

**Contact:**

**Head, GIT&DL Department**  
Geospatial Technology & Outreach Programme Group  
Indian Institute of Remote Sensing, ISRO  
Dept. of Space, Govt. of India  
4- Kalidas Road, Dehradun  
**Email-** [dlp@iirs.gov.in](mailto:dlp@iirs.gov.in)  
**Tel-** +91-1352524130/4354/4120