



सत्यमेव जयते

Government of India
Department of Space



Indian Space Research Organisation (ISRO)
INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN

Annual Course Calendar, IIRS Distance Learning Programme – 2023

S. No.	Programme Name	Tentative Dates & Timings	Duration	Type	Domain	Course Director/Coordinator
January, 2023						
1.	अंतरिक्ष प्रौद्योगिकी और इसके अनुप्रयोग	January 10, 2023 (1000 hrs. to 1600 hrs.)	1 Day	Workshop	Space Technology	Dr. Harish Chandra Karnatak/ Mr. Kamal Pandey
2.	Geodata Processing using Python	January 16-27, 2023 (1600 hrs. to 1700 hrs.)	2 Weeks	Course	Advances in GIS	Dr. Harish Chandra Karnatak/ Mr. Ravi Bhandari
3.	Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System.	January 23 – May 05, 2023 (tentative- to be confirmed by AICTE) (Through SWAYAM portal)	13 Weeks (Open)	MOOC	Remote Sensing and GIS	Dr. Poonam S. Tiwari Link to Join https://onlinecourses.swayam2.ac.in/aic22_ge16/preview
February, 2023						
4.	Machine /Deep learning models for Remote Sensing images	February 09, 2023 (1000 hrs. to 1600 hrs.)	1 Day	Workshop	Advances in Remote Sensing	Dr. Anil Kumar
March, 2023						
5.	Advances in Remote Sensing Techniques for Geological Applications	March 13-24, 2023 (1600 hrs. to 1700 hrs.)	2 weeks	Course	Geosciences	Dr. R.S.Chatterjee

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6.	Application of SAR Data for land deformation studies	March 30, 2023 (1000 hrs. to 1600 hrs.)	1 Day	Workshop	Disaster Management	Dr. Arijit Roy
April, 2023						
7.	SAR Data Processing & its Application with Special Emphasis on RISAT-1A/EOS-	April 10-14, 2023 (1600 hrs. to 1700 hrs.)	1 week	Course	Advances in Remote Sensing	Dr. Anil Kumar/Mr. Ashish Joshi
8.	Overview of Free and Open Source Software for Geospatial (FOSS4G)	April 24-28, 2023 (1600 hrs. to 1700 hrs.)	1 week	Course	Advances in GIS	Dr. Sameer Saran/Mr. Prasun Gupta
May, 2023						
9.	Geospatial Technology for Archeological studies	May 08-12, 2023 (1600 hrs. to 1700 hrs.)	1 week	Course	Archeological studies	Mrs. Shefali Agrawal/Dr. Poonam S. Tiwari
10.	Application of Geomatics in Urban Disasters	May 24, 2023 (1000hrs. to 1600hrs.)	1 Day	Workshop	Urban Studies	Dr. Sandeep Maithani/Dr. Kshama Gupta
June, 2023						
11.	Applications of machine learning in urban studies	June 05-09, 2023 (1600 hrs. to 1700 hrs.)	1 week	Course	Urban Studies	Dr. Sandeep Maithani/ Dr. Surendra Kumar Sharma
12.	Remote Sensing for Natural Resource Studies- For school students	June 12 -23, 2023 (Open)	10 sessions	MOOC	Remote Sensing Applications	Dr. Harish Chandra Karnatak /Mr. Kamal Pandey
13.	Space Technology & Applications-For School Teachers	June 19-23, 2023 (1100 hrs. to 1200 hrs.) &	1 week	Course	Space Technology	Dr. Harish Chandra Karnatak/ Dr. Poonam S. Tiwari

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		(1600 hrs. to 1700 hrs.)				
July, 2023						
14.	Application of Proximal Remote Sensing in Ecological Studies	July 03-07, 2023 (1600 hrs. to 1700 hrs.)	1 week	Course	Forestry and Ecology	Dr. Hitendra Padalia/ Dr. Ishwari
15.	Geospatial Technology for Climate Smart Agriculture	July 10-14, 2023 (1600 hrs. to 1700 hrs.)	1 week	Course	Agriculture Sciences	Dr. Suresh Kumar
16.	Advances in Geospatial Techniques for Monitoring and Modelling Hydro-meteorological Disasters	July 17-28, 2023 (1600 hrs. to 1700 hrs.)	2 Week (1600 hrs. to 1700 hrs.)	MOOC	Water Resource /Hydrology	Dr. Praveen Thakur
17.	Integration of ground-based in situ observations/measurements with EO data for enhanced Geological Applications: Advantages and Challenges	July 27, 2023 (1000hrs. to 1600hrs.)	1 Day	Workshop	Geosciences	Dr. R.S.Chatterjee
August, 2023						
18.	Satellite meteorology applications in weather and climate studies	Aug 07-11, 2023 (1100 hrs. to 1200 hrs.)	1 week	Course	Atmospheric Sciences	Dr. Yogesh Kant/ Dr. Charu Singh
19.	Advanced Geospatial Techniques for Disaster Management Support	August 14-19, 2023 (1600 hrs. to 1700 hrs.)	1 week	Course	Disaster Management	Dr. Arijit Roy/ Mr. C.M.Bhatt
20.	Monitoring Forest Disturbances using Geo-	August 24, 2023	1 Day	Workshop	Forestry and Ecology	Dr. Hitendra Padalia/ Dr.

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	spatial Technology	(1000hrs. to 1600hrs.)				Subrata Nandy
21.	Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System".	August 28- November 17, 2023 (1600 hrs. to 1700 hrs.)	13 Weeks	Course	Remote Sensing and GIS	Dr. Poonam S. Tiwari
22.	Remote Sensing and Digital Image Analysis.	August 28- September 22, 2023 (1600 hrs. to 1700 hrs.)	4 Weeks	Course	Digital Image Analysis	Mrs. Minakshi Kumar
September, 2023						
23.	Advances in Remote Sensing and AI/ML Techniques for Hydrological Studies	Sep 04-08, 2023 (11100 hrs. to 1200 hrs.)	1 week	Course	Water Resources/ Hydrology	Dr. Praveen Thakur
24.	अंतरिक्ष प्रौद्योगिकी का अवलोकन	September 14-28, 2023 (1100 hrs. to 1300 hrs.)	2 weeks	Course	Space Technology	Dr. Harish Chandra Karnatak/ Dr. Poonam S. Tiwari
25.	Overview of Global Navigation Satellite System.	September 25 – October 06, 2023 (1600 hrs. to 1700 hrs.)	2 Weeks	Course	Satellite Navigation	Dr. Ashutosh Bhardwaj
October, 2023						
26.	Overview of Geographical Information System	October 09-20, 2023 (1600 hrs. to 1700 hrs.)	4 Weeks	Course	Geographical Information System (GIS)	Mr. Prabhakar Alok Verma

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27.	Remote Sensing based data Analytics in Agriculture	October 26, 2023 (1000 hrs. to 1600 hrs.)	1 Day	Workshop	Agriculture Sciences	Dr. Suresh Kumar
28.	Overview of Geocomputation and Geo-web services	October 30 – November 03, 2023 (1600 hrs. to 1700 hrs.)	1 Week	Course	Geocomputation/ Geoweb Services	Mr. Kamal Pandey
November, 2023						
29.	RS & GIS Applications in Natural Resource Management	November 06-17, 2023 (1600 hrs. to 1700 hrs.)	2 Weeks	Course	Remote Sensing Applications	Mr. C.M. Bhatt
30.	Automated Feature Extraction from High Resolution Images	November 20-24, 2023 (1100 hrs. to 1200hrs)	1 week	Course	Advances in Remote Sensing	Dr. Harish Karnatak/Dr . Poonam S. Tiwari
December, 2023						
31.	Geo-data sharing and Cyber Security	November 27- December 08, 2023 (1600 hrs. to 1700 hrs.)	2 Weeks	Course	Cyber Security	Dr. Harish Karnatak/Mr .Dharmendra Kumar
32.	EdiCovariance Techniques for Ecosystem Studies	December 14, 2023 (1000 hrs. to 1600 hrs.)	1 Day	Workshop	Forestry	Dr. Hitendra Padalia/Dr. Taibang

Contact:

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