

सत्यमेव जयते  
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 – 2022

## A. Online Course to be conducted in Morning Session (1100-1230 IST)

S. No	Course No	Course	Tentative Time Slot	Duration	Course Director/Coordinator
1.	To be Announced on 24 <sup>th</sup> December, 2021	Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System – Through SWAYAM portal Link to Join <a href="https://onlinecourses.swayam2.ac.in/aic22_ge16/preview">https://onlinecourses.swayam2.ac.in/aic22_ge16/preview</a>	January 24 – May 09, 2022	13 Weeks	Dr. Poonam S. Tiwari
2.	6002	Space Technology & Applications-For School Teachers	May 23 – 28 May, 2022	1 week	Dr. Harish Chandra Karnatak/ Mr. Kamal Pandey
3.	105	Advances in Remote Sensing and Artificial Intelligence Techniques for Hydrological Studies	September 05-09, 2022 Postponed New date will be announced Later	1 week	Dr. Praveen Thakur/ Dr. Vaibhav Garg
4.	106	सुदूर संवेदन एवं जीआईएस प्रौद्योगिकी के मूल सिद्धांत	September 14-28, 2022	2 weeks	Dr. Harish Chandra Karnatak/ Mr. Dharmendra Kumar

## B. Online Course to be conducted in Evening Session (1600-1730 IST)

S. No	Course No	Course	Tentative Time Slot	Duration	Course Director/Coordinator
5.	94	Overview of Geoprocessing using Python.	January 17-28, 2022	2 Weeks	Dr. Harish C Karnatak/ Mr. Ravi Bhandari
6.	95	Global Navigation Satellite System and Location based services	February 21-March 04, 2022	2 weeks	Dr. Harish C Karnatak/ Mr. Kamal Pandey
7.	96	Hyperspectral and Microwave Remote Sensing Techniques for Geological Studies.	March 07-March 17,2022	2 Weeks	Dr. R.S. Chatterjee/ Mrs. Richa Sharma
8.	97	Advanced Geospatial technologies for Disaster Risk Reduction (DRR).	April18-April29 ,2022	2 Week	Dr. Arijit Roy/ Mr. C.M. Bhatt
9.	98	Artificial Intelligence (AI) for Earth Observation (EO) and Geodata Handling and Processing.	May 02- May 13,2022	2 Weeks	Dr. Sameer Saran/ Mr. Ashutosh K. Jha
10.	99	Geo-spatial Applications for Forest Ecosystem Analysis	June 20- June 25, 2022	1 Week	Dr. Hitendra Padalia/ Dr. Taibanganba Watham.
11.	100	Machine Learning to Deep Learning: A Journey for Remote Sensing Data Classification	July 04-July 08,2022	1 Week	Dr. Anil Kumar
12.	101	Satellite Remote Sensing for Atmosphere	July 11-July 15-2022	1 Week	Dr. D. Mitra/Dr. Shuchita Srivastava
13.	102	Remote Sensing & GIS Applications in Agriculture.	July 25- July 29 ,2022	1 Week	Dr. Suresh Kumar/ Dr. Dipanwita Haldar
14.	103	Basics of “Remote Sensing, Geographical Information System and Global Navigation Satellite System”.	August 22 – November 25, 2022	15 Weeks	Dr. Poonam S. Tiwari
15.	104	Remote Sensing and Digital Image Analysis.	August 22 – September 16, 2022	4 Weeks	Mrs. Minakshi Kumar
16.	107	Overview of Global Navigation Satellite System.	September 19-September 30, 2022	2 Weeks	Dr. Ashutosh Bhardwaj

S. No	Course No	Course	Tentative Time Slot	Duration	Course Director/Coordinator
17.	108	Overview of Geographical Information System	October 03-October 27, 2022	4 Weeks	Mr. Prabhakar Alok Verma
18.	109	Overview of Geocomputation and Geo-web services	October-31 November - 04, 2022	1 Week	Mr. Kamal Pandey
19.	110	RS & GIS Applications in Natural Resource Management	November 14-November 25 ,2022	2 Weeks	Mr. C.M. Bhatt
20.	111	Advances in Monitoring and Modeling of Hydro-Meteorological Hazards using Geospatial Technology and Process based Models	December 05-09 ,2022	1 Week	Dr. Praveen Thakur/ Mr. Pankaj R Dhote

### C. Course to be conducted through MOOC

S. No	Course No	Course	Tentative Time Slot	Duration	Course Director/Coordinator
1.	06	SAR Data Processing and its Applications	April 04- May 03, 2022	10 Sessions	Dr. Shashi Kumar/ Mr. Ashish Joshi
2.	07	Overview of Space Science & technology- For school students	June 06- July 05, 2022	10 sessions	Dr. Harish Chandra Karnatak/ Mr. Ravi Bhandari
3.	08	Remote Sensing & GIS for Urban Studies and Environmental Modeling	July 06 – August 05, 2022	20 Sessions	Mr. Pramod Kumar
4.	09	Overview of Free and Open Source Software for Geospatial (FOSS4G)	<del>August 08- September 07, 2022</del> <del>September 06- October 05, 2022</del> <b>Postponed</b> <b>New date will be announced</b> <b>Later</b>	10 Sessions	Dr. Sameer Saran/ Mr. Shiva Reddy

S. No	Course No	Course	Tentative Time Slot	Duration	Course Director/Coordinator
5.	10	SAR data processing and applications for flood and landslide monitoring	<del>October 03- November 02, 2022</del> Postponed New Date will be announced Later	10 Sessions	Mr. C.M. Bhatt/ Mr. Harishankar

#### D. Full day Workshop through Distance Learning Platform- 2022

S. No	Course No	Workshop Title	Tentative Time Slot	Duration	Course Director/Coordinator
1.	1020	सुदूर संवेदन तकनीक व इसके अनुप्रयोग	January 10, 2022	1 Day	Dr. Harish C. Karnatak/ Shri Kamal Pandey
2.	1021	Status, Challenges and Opportunities for Geospatial Technology Applications in Irrigation Water Management	May 17th 2022	1 Day	Dr. Praveen Thakur/ Dr. Bhaskar R Nikam
3	1022	Planetary Exploration of the Moon: Findings from Indian Remote Sensing Missions	May 20, 2022	1 Day	Dr. R.S. Chatterjee/ Dr. Mamata Chauhan
4.	1023	Flood monitoring using space based Earth Observation Systems	<del>July 15, 2022</del> Postponed New Date will be announced Later	1 Day	Dr. Arijit Roy/ Mr. CM Bhatt
5	1024	Water Quality studies using Hyperspectral Remote Sensing for the Indian Coastal and Inland Waters	August 5, 2022	1 Day	Dr. Praveen Thakur/ Dr. Vaibhav Garg
6	1025	Geo-data processing in Cloud computation platform- case studies using Google Earth Engine	<del>September 02, 2022</del> Postponed New date will be announced Later	1 Day	Dr. Sameer Saran/Ms. Supriya Sharma

S. No	Course No	Workshop Title	Tentative Time Slot	Duration	Course Director/ Coordinator
7	1026	Cryospheric and associated Mass Movements in the Himalaya: Recent Trends in Remote Sensing Techniques	<del>October 28, 2022</del> Postponed New date will be announced Later	1 Day	Dr. R.S. Chatterjee/ Dr. Pratima Pandey
8	1027	UAV Remote Sensing	November 21, 2022	1 Day	Mrs. Shefali Agrawal/ Mr. Vinay Kumar
9	1028	Applications of Geospatial Technology in Paleochannel Studies: Potential And Future Trends	October 11, 2022	1 Day	Dr. R. P. Singh , Director IIRS/ Dr.Poonam S tiwari

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