



Two week Training Programme on Earth Observation & Applications: Fundamentals, Recent Trends in Technological advancement and Services

Organized by
Assam Survey & Settlement Training Centre, Government of Assam

In collaboration with
North Eastern Space Applications Centre, Department of Space

COURSE STRUCTURE

Date Time	09.00-10.00	10.00-11.00	11.00-12.00	12.00-13.00	13.30-14.30	14.30-15.30	15.30-16.30
13 Dec, 2021	Inaugural session	Introduction to Indian Space Programme Dr S.P Aggarwal Director, NESAC	Introduction to Remote Sensing Dr Jonali Goswami, NESAC	Introduction To GIS Dr Dibyajyoti Chutia, NESAC	Visual Image Interpretation and software overview (Theory) Ritu Anilkumar, NESAC	Demonstration of QGIS (Lab) Nilay Nishant, NESAC Abha Saikia, NESAC	Hands-On exercise on QGIS (Lab) Nilay Nishant, NESAC Abha Saikia, NESAC
14 Dec, 2021	Corrections Associated With Remote Sensing Data (Theory) Tanvi Hussian, Project Scientist, ASTEC		Corrections Associated With Remote Sensing Data (Lab) Tanvi Hussian, Project Scientist, ASTEC		Satellite Data Enhancement and Visualization Tools (Theory) Tanvi Hussian, Project Scientist, ASTEC	Satellite Data Visualization Tools (Lab) Tanvi Hussian, Project Scientist, ASTEC Biswa Rabha & Kasturi Bora, ASSTC	Satellite Data Enhancement Tools and Techniques (Lab) Tanvi Hussian, Project Scientist, ASTEC Biswa Rabha & Kasturi Bora, ASSTC
15 Dec, 2021	Introduction to image classification techniques (Theory) Suranjana Bora, IRRI		Introduction to image classification techniques (Lab) Suranjana Bora, IRRI		Introduction to Spatial Analysis (Theory) Suranjana Bora, IRRI	Introduction to Spatial Raster Analysis (Lab) Suranjana Bora, IRRI	Introduction to Spatial Vector Analysis (Lab) Suranjana Bora, IRRI
16 Dec, 2021	Applications of Remote Sensing in Disaster Management Dipima Sarma		Applications of Remote Sensing in Water Resources Dipima Sarma		Meghalaya Entry Protocol Followed by entry to NESAC, Umiam, Meghalaya		

17 Dec, 2021	Multi Criteria Decision Making Nilay Nishant, NESAC	Advanced Spatial analysis Siddhartha Bhuyan, NESAC	Exercise on Site suitability analysis Sanjiv Ojah, NESAC	Advanced processing workflows in QGIS Model builder Abha Saikia, NESAC	Advanced processing workflows in GDAL tools Sanjiban Roy, NESAC	Introduction to Google earth engine and its applications Ritu Anilkumar, NESAC
18 Dec, 2021	Field Visit					
20 Dec, 2021	Introduction to LiDAR, photogrammetry Victor Saikhom, NESAC	UAV Remote Sensing Sanjay Pandit, NESAC & Shashi Bhushan Nayak		Introduction to GNSS and survey techniques Dr Gopal Sharma, NESAC & Tushar Pandey		
21 Dec, 2021	Introduction to Hyperspectral remote sensing: Techniques and applications Dr Jonali Goswami, NESAC	Demonstration on North Eastern Spatial Data Repository (NeSDR) Rahul Kumar, NESAC	NESAC facility Visit	Hands-on: NeSDR Rahul Kumar & Abha Saikia, NESAC		Introduction to microwave remote sensing: Techniques and applications Naveen R, NESAC
22-24 Dec, 2021	Project Work 1 DK Jha & Solomon Raju			Project Work 1 DK Jha & Solomon Raju		
	Project Work 2 Jakesh Mohapatra & Senpakapriya V			Project Work 2 Jakesh Mohapatra & Senpakapriya V		
	Project Work 3 Tushar Pandey			Project Work 3 Tushar Pandey		
