

**Online short course on
RS and GIS Applications in Atmospheric and Oceanic Hazards
February 27 – March 3, 2023
(Under the ISRO DMSP-Capacity Building activities)**

Day 1 (February 27, 2023)

Lecture 1	Introduction to Atmospheric and Oceanic Hazards	3:00 PM to 4:00 PM	Dr. D. Mitra
Lecture 2	Overview of Earth Observation Satellites and Sensors for Atmospheric and Oceanic Hazards Studies	4:00 PM to 5:30 PM	Dr. C. M. Kishtawal

Day 2 (February 28, 2023)

Lecture 3	Applications of Satellite Data for the Study of Extreme Rainfall Events	3:00 PM to 4:00 PM	Dr. Charu Singh
Lecture 4	Gaseous Air Pollutants: Monitoring and Modeling	4:00 PM to 5:00 PM	Dr. Shuchita Srivastava

Day 3 (March 1, 2023)

Lecture 5	Tsunami Modelling and Coastal Inundation	3:00 PM to 4:30 PM	Dr. Siva Srinivas K.
Lecture 6	Application of Satellite Data for Tropical Cyclones Studies	4:30 PM to 5:30 PM	Dr. S. K. Singh

Day 4 (March 2, 2023)

Lecture 7	Satellite Based Monitoring of Aerosol Particulate Matter	3:00 PM to 4:00 PM	Dr. Yogesh Kant
Lecture 8	Satellite Data Based Fog Estimation and Analysis	4:00 PM to 5:00 PM	Ms. Pooja Jindal

Day 5 (March 3, 2023)

Lecture 9	Overview of Storm Surge	3:00 PM to 4:30 PM	Professor A. D. Rao
Lecture 10	Geo-web Portals for Disaster Management Support and Applications	4:30 PM to 5:30 PM	Mr. C. M. Bhatt