



Massive Open Online Course
On
Remote Sensing for Natural Resource Studies- For school students

Course Duration: 12 June- 23 June 2023

Lecture No	Topic	Faculty
L1	Basics of Remote Sensing	Dr. Hina Pande
L2	Platform and Sensors	Mr. Vinay Kumar
L3	Image Analysis: Visual and Digital	Dr. Poonam S. Tiwari
L4	Global Navigation Satellite System	Dr. Anil Kumar
L5	Geographical Information System	Dr. Vandita Srivastav
L6	Soil Resource Mapping and Assessment using Earth Observation	Dr. Suresh Kumar
L7	Harnessing Remote Sensing data for Crop Inventory & Yield Forecasting	Dr. N R Patel
L8	Remote Sensing for Precision Farming	Mr. Abhishek Dhandia
L9	Forest, Biodiversity and Ecosystem studies using Remote Sensing	Dr. Hitendra Padalia
L10	Overview on Geological Applications	Dr. R.S. Chatterjee
L11	Earth Observation data for Geological Hazards	Dr. Shovan Chattoraj
L12	Remote Sensing for planetary studies	Dr. Mamta Chauhan
L13	Application of RS & GIS in Glacier and Climate change studies	Dr. Pratima Pandey
L14	Earth Observation data for understanding natural and man made disasters	Mr.C.M.Bhatt
L15	RS & GIS Applications to Water Resources Management	Dr. Praveen Thakur
L16	Understanding Indian Coast through Remote Sensing	Dr. D. Mitra
L17	Atmospheric Trace Gases Studies	Dr. Shuchita Srivastav
L18	Weather Prediction using Earth Observation Data	Ms. Pooja Jindal
L19	RS & GIS Application in Urban & Regional Planning	Ms. Asfa Siddiqui
L20	Geospatial Technologies for Smart Cities	Dr. Surendra Kumar Sharma