

**Online Certificate Course on
“Remote Sensing & GIS Technology and Applications”
For
University Teachers & Government Officials
June 13 - July 01, 2020**

Total Sessions- 32

Date	Day	Time	Topic	Speaker
13/06/2020	Saturday	10:45-11:15 Hrs	Inauguration	
13/06/2020	Saturday	11:30-12:45 Hrs	Basic Principles of Remote Sensing	Dr. Manu Mehta
15/06/2020	Monday	10:00-11:15 Hrs	Earth Observation Sensors & Platforms	Mr. Vinay Kumar
15/06/2020	Monday	11:30-12:45 Hrs	Spectral Signatures Of Different Land Cover Features & Visual Image Interpretation	Dr. Hina Pande
16/06/2020	Tuesday	10:00-11:15 Hrs	Data Image Processing: Basic Concepts, Rectification & Registration	Mrs. Minakshi Kumar
16/06/2020	Tuesday	11:30-12:45 Hrs	Image Enhancement Techniques: Contrast, Filtering Transformations	Mrs. Minakshi Kumar
17/06/2020	Wednesday	10:00-11:15 Hrs	Image Classification Techniques: Unsupervised, Supervised & Separability Analysis	Dr. Poonam S Tiwari.
17/06/2020	Wednesday	11:30-12:45 Hrs	Digital Change Detection & Accuracy Assessment	Dr. Poonam S Tiwari.
18/06/2020	Thursday	10:00-11:15 Hrs	Introduction To GPS & GNSS	Dr. Ashutosh Bhardwaj
18/06/2020	Thursday	11:30-12:45 Hrs	GPS Receivers, Processing Methods, Errors & Accuracy	Dr. Ashutosh Bhardwaj
19/06/2020	Friday	10:00-11:15 Hrs	Satellite Based Augmentation Systems & GPS Aided & Geo Augmented Navigation (GAGAN)	Dr. Ashutosh Bhardwaj
19/06/2020	Friday	11:30-12:45 Hrs	Indian Regional Navigation Satellite System (IRNSS)/NaviC	Dr. Ashutosh Bhardwaj & Shri Kamal Pandey
20/06/2020	Saturday	10:00-11:15 Hrs	Introduction To GIS	Dr. Sameer Saran
20/06/2020	Saturday	11:30-12:45 Hrs	Geographic Phenomena, Concepts & Examples	Shri Prasun Kumar Gupta

Date	Day	Time	Topic	Speaker
22/06/2020	Monday	10:00-11:15 Hrs	Data Inputting & Editing In GIS	Shri Shiva K. Reddy
22/06/2020	Monday	11:30-12:45 Hrs	GIS Data Models (Spatial & Non – Spatial)	Shri Ashutosh Kumar Jha
23/06/2020	Tuesday	10:00-11:15 Hrs	Map Projection Concepts & Use In GIS & RS	Dr. Ashutosh Shrivastav
23/06/2020	Tuesday	11:30-12:45 Hrs	Spatial Analysis – Introductory Concepts & Overview	Shri Prabhakar Alok Verma
24/06/2020	Wednesday	10:00-11:15 Hrs	Spatial Analysis – Functionality & Tools	Shri Kapil Oberai
24/06/2020	Wednesday	11:30-12:45 Hrs	Data Quality & Policies OGC, NSDI & GSDI Initiatives.	Dr. Harish Chandra Karnatak
25/06/2020	Thursday	10:00-11:15 Hrs	Demonstration on QGIS- Basic GIS operations and Analysis	Mr. Prasun Kumar Gupta
25/06/2020	Thursday	11:30-12:45 Hrs	Concept of Online GIS – An Introduction to Geoweb Services	Dr. Harish Chandra Karnatak
26/06/2020	Friday	10:00-11:15 Hrs	Mobile GIS – An overview	Dr. Kamal Pandey
26/06/2020	Friday	11:30-12:45 Hrs	Geodata Processing using Python- An overview	Mr. Ravi Bhandari
27/06/2020	Saturday	10:00-11:15 Hrs	RS GIS applications in Natural Hazards and Disaster Risk Management	Dr. Arijit Roy
27/06/2020	Saturday	11:30-12:45 Hrs	RS and GIS Applications in Forest Resources & Ecosystem Analysis	Dr.Hitendra Padalia
29/06/2020	Monday	10:00-11:15 Hrs	RS and GIS Applications in Geosciences	Dr. R.S.Chatterjee
29/06/2020	Monday	11:30-12:45 Hrs	RS and GIS Applications in Agriculture & Soils	Dr Suresh Kumar
30/06/2020	Tuesday	10:00-11:15 Hrs	RS & GIS Applications in Coastal & Ocean Sciences	Dr. D.Mitra
30/06/2020	Tuesday	11:30-12:45 Hrs	RS and GIS Applications in Urban & Regional Studies	Mr. Pramod Kumar
01/07/2020	Wednesday	10:00-11:15 Hrs	RS and GIS Applications in Water Resources	Dr. S.P.Aggarawal
01/07/2020	Wednesday	11:30-12:45 Hrs	Role of Geospatial Technology in Health GIS: Use Case on COVID-19	Dr. Sameer Saran
01/07/2020	Wednesday	12:45-13:30	Panel Discussion & Announcement about Examination	