

Twenty-Sixth IIRS Outreach Programme

On

Global Navigation Satellite System & Geographical Information System

Global Navigation Satellite System Module/ Course Coordinator: Shri Ashutosh Bhardwaj				
25 Sep 17	Monday	1600-1730 hrs	Introduction to GPS and GNSS	Er. Ashutosh Bhardwaj
26 Sep 17	Tuesday	1600-1730 hrs	GPS receivers, processing methods, errors and accuracy	Er. Ashutosh Bhardwaj
27 Sep 17	Wednesday	1600-1730 hrs	Satellites based Augmentation systems & GPS Aided and GEO Augmented Navigation (GAGAN)	Er. Ashutosh Bhardwaj
28 Sep 17	Thursday	1600-1730 hrs	GPS signal characteristics, Data formats (broadcast, precise ephemeris)	Shri S. Raghavendra
29 Sep 17	BREAK			
30 Sep 17	DUSSEHRA -SATURDAY			
01 Oct 17	SUNDAY			
02 Oct 17	GANDHI JAYANTHI- MONDAY			
Date	Day	Time	Topic	Speaker
03 Oct 17	Tuesday	1600-1730 hrs	Indian Regional Navigation Satellite System (IRNSS)	Er. Ashutosh Bhardwaj & Shri Kamal Pandey
04 Oct 17	Wednesday	1600-1730 hrs	DGPS demonstration (Pre-recorded followed by live query session)	Shri S. Raghavendra
05 Oct 17	Thursday	1600-1730 hrs	Mobile Mapping	Dr. Harish Chandra Karnatak
06 Oct 17	BREAK			
07 Oct 17	SATURDAY			
08 Oct 17	SUNDAY			
Geographical Information System Module/ Course Coordinator: Shri Prasun Kumar Gupta				
09 Oct 17	Monday	1600-1730 hrs	Introduction to GIS	Dr. Sameer Saran
10 Oct 17	Tuesday	1600-1730 hrs	Geographic Phenomena, Concepts and examples	Shri P K Gupta
11 Oct 17	Wednesday	1600-1730 hrs	Data Inputting and Editing in GIS	Shri Shiva Reddy
12 Oct 17	Thursday	1600-1730 hrs	GIS Data Models (Spatial and Non spatial)	Shri Ashutosh Kumar Jha
13 Oct 17	Friday	1600-1730 hrs	Map Projection Concepts & Use in RS & GIS	Dr. Ashutosh Srivastav
14 Oct 17	SATURDAY			
15 Oct 17	SUNDAY			
16 Oct 17	Monday	1600-1730 hrs	Spatial Analysis- Introductory Concepts and Overview	Shri Prabhhar Alok Verma
17 Oct 17	Tuesday	1600-1730 hrs	Spatial Analysis- Functionality and Tools	Shri Kapil Oberai
18 Oct 17	BREAK			
19 Oct 17	DIWALI			
20 Oct 17	BREAK			
21 Oct 17	SATURDAY			
22 Oct 17	SUNDAY			
23 Oct 17	BREAK			
24 Oct 17	BREAK			
25 Oct 17	BREAK			
26 Oct 17	Thursday	1600-1730 hrs	Demo of QGIS Software – Session 01: <ul style="list-style-type: none"> • Adding GIS Data ,Attribute table & identity tool • Change symbology, Create map composers • Manage plugins, CRS & EPSG • Geo-referencing & Tie-points , RMSE & Rectification 	Recorded Lecture Through FTP will be played by University coordinator

27 Oct 17	Friday	1600-1730 hrs	Demo of QGIS Software – Session 02: (Data Creation/Vector Generation) <ul style="list-style-type: none"> • Digitization ,Setting digitizing environment • Adding attributes to layer, Editing digitized layer • Attribute Queries, Spatial Queries Linking spatial & non-spatial data	Recorded Lecture Through FTP will be played by University coordinator
28 Oct 17	SATURDAY			
29 Oct 17	SUNDAY			
30 Oct 17	Monday	1500-1545hrs	Interactive Session of Demo of QGIS Software – Session 01 & Session 02	Shri P K Gupta
		1600-1730 hrs	Open Source S/w Technology & Tools	Shri P K Gupta
31 Oct 17	Tuesday	1600-1730 hrs	Data Quality & Policies OGC, NSDI & GSDI initiatives. Discussion on Internet resources	Dr. Harish Karnatak
01 Nov 17	BREAK			
02 Nov 17	Thursday	1600-1730 hrs	3D GIS and Application including Trivim	Shri Shiva Reddy
03 Nov 17	Friday	1600-1730 hrs	Geo-Web Services: Technical Concepts and Applications	Dr. Harish Karnatak
04 Nov 17	SATURDAY – GURU NANAK BIRTHDAY			
05 Nov 17	SUNDAY			
06 Nov 17	Monday	1600-1730 hrs	Uncertainty in GIS and Error Propagation	Shri Hari Shankar
07 Nov 17	Tuesday	1600-1730 hrs	Customization in GIS	Shri Kamal Pandey
08 Nov 17	Wednesday	1600-1730 hrs	Recent Trends in Geoinformatics	Dr. Sameer Saran
09 Nov 17	Thursday	1600-1730 hrs	Panel Discussion of Module 2	Faculty of Module-2
10 Nov 17	Friday	9:30 Hrs to 17:00 Hrs	*Online Exam 26 th Course - Global Navigation Satellite System and Geographical Information System	Edusat Team