
THIRTY SIX IIRS Outreach Programme
On
Basic of RS, GIS & GNSS

SI No.	Module Name	From	To
1	Basic of RS, GIS & GNSS	04-09-2018	16-11-2018

September, 2018

Module 1: Remote Sensing & Digital Image Analysis				
Module/ Course Coordinator: Mrs. Minakshi Kumar				
Date	Day	Time	Topic	Speaker
04 Sep 18	Tuesday	1600-1730 hrs	Course Inauguration and Introductory Lecture	
04 Sep 18	Tuesday	1530-1625 hrs	Basic Principles of Remote Sensing	Ms. Manu Mehta
05 Sep 18	Wednesday	1630-1730 hrs	Earth Observation Sensors and Platforms	Mr. Vinay Kumar
05 Sep 18	Wednesday	1530-1625 hrs	Thermal Remote Sensing	Dr. Yogesh Kant
06 Sep 18	Thursday	1630-1730 hrs	Spectral Signatures of Different Land cover Features and Visual Image interpretation	Dr. Hina Pande
06 Sep 18	Thursday	1530-1625 hrs	Digital Image Processing: Basic Concepts Rectification and Registration	Ms. Minakshi Kumar
07 Sep 18	Friday	1630-1730 hrs	Image Enhancement techniques	Dr. Poonam S. Tiwari
07 Sep 18	Friday		Image Classification Techniques and Accuracy Assessment	Dr. Poonam S. Tiwari
07 Sep 18		Offline (Morning Session)	RS and Image Interpretation Practical	By University Coordinator
08 Sep 18	Saturday			
09 Sep 18	Sunday			
10 Sep 18	Monday	1530-1625 hrs	Microwave Remote Sensing	Mr. Shashi Kumar
10 Sep 18	Monday	1630-1730 hrs	Demonstration: Image Processing	Ms. Minakshi Kumar
11 Sep 18	Tuesday	1600-1730 hrs	Indian Space Programme	Dr. Praksh Chauhan
12 Sep 18	Wednesday	1600-1730 hrs	Hyperspectral Remote Sensing	Mrs. Shefali Agarwal
14 Sep 18	Friday	Offline - as per computer lab availability Morning Session	Image Processing Hands-on and Practical Assignment	By University Coordinator
14 Sep 18	Friday	1530-1730 hrs	Panel Discussion/Query Session	Faculty
24 Sep 18	Monday	1000 -1600 hrs	36th Course Examination Module 1 on 24 Sep 2018, 2018	Edusat Team

Note:

Module- 2 Global Navigation Satellite System and Geographical Information System Module/ Course Coordinator: Shri Ashutosh Bhardwaj & Shri Prasun Kumar Gupta				
17 Sep 18	Monday	1600-1730 hrs	Introduction to GPS and GNSS	Er. Ashutosh Bhardwaj
18 Sep 18	Tuesday	1600-1730 hrs	GPS receivers, processing methods, errors and accuracy	Er. Ashutosh Bhardwaj
19 Sep 18	Wednesday	1600-1730 hrs	Satellites based Augmentation systems & GPS Aided and GEO Augmented Navigation (GAGAN)	Er. Ashutosh Bhardwaj
20 Sep 18	Thursday	1600-1730 hrs	Break	
21 Sep 18	Friday		Muharram	
22 Sep 18	Saturday			
23 Sep 18	Sunday			
24 Sep 18	Monday	1600-1730 hrs	GPS signal characteristics, Data formats (broadcast, precise ephemeris)	Shri S. Raghavendra
25 Sep 18	Tuesday	1600-1730 hrs	Indian Regional Navigation Satellite System (IRNSS)	Er. Ashutosh Bhardwaj & Shri Kamal Pandey
26 Sep 18	Wednesday		Break	
			DGPS demonstration (Pre-recorded followed by live query session)	Offline
27 Sep 18	Thursday	1600-1730 hrs	Advance GNSS processing	Shri Suresh Kannaujiya
28 Sep 18	Friday	1600-1730 hrs	Mobile Mapping	Dr. Harish Chandra Karnatak
	Saturday			
	Sunday			
Geographical Information System				
Module/ Course Coordinator: Shri Prasun Kumar Gupta				
01 Oct 18	Monday	1600-1730 hrs	Introduction to GIS	Dr. Sameer Saran
02 Oct 18	Tuesday	Gandhi Jayanthi		
03 Oct 18	Wednesday	1600-1730 hrs	Geographic Phenomena, Concepts and examples	Shri Prasun Kumar Gupta
04 Oct 18	Thursday	1600-1730 hrs	Data Inputting and Editing in GIS	Shri K. Shiva Reddy
05 Oct 18	Friday	1600-1730 hrs	GIS Data Models (Spatial and Non spatial)	Shri Ashutosh Kumar Jha
06 Oct 18		Saturday		
07 Oct 18		Sunday		
08 Oct 18	Monday	1600-1730 hrs	Map Projection Concepts & Use in RS & GIS	Dr. Ashutosh Srivastav
09 Oct 18	Tuesday	1600-1730 hrs	Spatial Analysis - Introductory Concepts and Overview	Shri Prabhhar Alok Verma
10 Oct 18	Wednesday	1600-1730 hrs	Spatial Analysis - Functionality and Tools	Shri Kapil Oberai
11 Oct 18	Thursday	1600-1730 hrs	Demo of QGIS Software – Session 01: Adding GIS Data, Attribute table & Identity tool Change symbology, Create map composers Manage plugins, CRS & EPSG Geo-referencing & Tie-points, RMSE & Rectification	Recorded Lecture
12 Oct 18	Friday	1600-1730 hrs	Demo of QGIS Software – Session 02: (Data Creation/Vector Generation) Digitization, Setting digitizing environment Adding attributes, Editing digitized layer Attribute Queries, Spatial Queries Linking spatial & non-spatial data	Recorded Lecture
13 Oct 18		Saturday		
14 Oct 18		Sunday		
15 Oct 18	Monday	1530-1555hrs	Interactive Session of Demo of QGIS Software – Session 01 & Session 02	Shri Prasun Kumar Gupta
	Tuesday	1600-1730 hrs		
16 Oct 18	Wednesday	1600-1730 hrs	Data Quality & Policies OGC, NSDI & GSDI initiatives. Discussion on Internet resources	Dr. Harish Karnatak
17 Oct 18	Thursday	1600-1730 hrs	Advanced Geospatial Modeling	Shri Ashutosh Kumar Jha
18 Oct 18	Friday	1600-1730 hrs	BREAK	
19 Oct 18	Monday		Dussehra	
20 Oct 18			Saturday	
21 Oct 18			Sunday	

22 Oct 18	Monday	1600-1730 hrs	Uncertainty in GIS and Error Propagation	Shri Hari Shankar
23 Oct 18	Tuesday	1600-1730 hrs	3D GIS, City Models and Applications	Dr. Sameer Saran
24 Oct 18	Wednesday	1600-1730 hrs	BREAK	
25 Oct 18	Thursday	1600-1730 hrs	Recent Trends in Geoinformatics	Dr. Sameer Saran
26 Oct 18	Friday	1600-1730 hrs	Panel Discussion of Module 2	All Faculty

Note: *RS & GIS Applications Module and Course schedule will be updated soon..*

36th Course Consist 03 Module

- 1- *Remote Sensing & Digital Image Analysis*
- 2- *Global Navigation Satellite System and Geographical Information System*
- 3- *RS & GIS Applications*

There will be 03 exam for Basic of RS, GIS & GNSS

And a single exam for Course no 37,38 and 39th course

Sl No	Exam Name	Exam Date
1-	Online Examination 36 th Course on Module1 <i>Remote Sensing & Digital Image Analysis</i>	24 Sept 2018
2-	Online Examination 37 th Course on <i>Remote Sensing & Digital Image Analysis</i>	24 Sept 2018
3-	Online Examination Module- 2 Global Navigation Satellite System and Geographical Information System	Will be informed shortly
4-	Online Examination of 38 th Course on Global Navigation Satellite System and Geographical Information System	Will be informed shortly
5-	Online Examination Module- 3 Course on <i>RS & GIS Applications</i>	Will be informed shortly
6-	Online Examination of 39 th Course on <i>RS & GIS Applications</i>	Will be informed shortly