
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

69th IIRS Outreach Programme

on

“RS & GIS Applications”

By Dr. S. K Srivastav, Dr. N.R. Patel, Dr. D. Mitra, Dr. R.S.

Chatterjee, Dr. P.K.C.Ray, Shri. Pramod Kumar, Dr. A.K Mishra, Dr. Hitendra Padalia, Dr. Prakash Chauhan, Dr. S.P Aggarwal, Dr. Arijit Roy, Dr. Suresh Kumar, Indian Institute of Remote Sensing, Dehradun

02 – 20 November, 2020

The Department of Electronics and Communication Engineering has organized a 13-Day Outreach Programme conducted by Indian Institute of Remote Sensing, Dehradun during 02 – 20 November, 2020. The target audience are the faculty and students of various disciplines of Sree Vidyanikethan Educational Trust, Tirupati.

Hundreds of thousands of organizations in virtually every field are using GIS to make maps that communicate, perform analysis, share information, and solve complex problems around the world. GIS technology applies geographic science with tools for understanding and collaboration. It helps people reach a common goal: to gain actionable intelligence from all types of data. This is changing the way the world works. Maps are the geographic container for the data layers and analytics you want to work with. GIS maps are easily shared and embedded in apps, and accessible by virtually everyone, everywhere. GIS integrates many different kinds of data layers using spatial location. Most data has a geographic component. GIS data includes imagery, features, and basemaps linked to spreadsheets and tables. Spatial analysis lets you evaluate suitability and capability, estimate and predict, interpret and understand, and much more, lending new perspectives to your insight and decision-making. This outreach programme covered the following topics:

- Applications of Remote Sensing & other Geospatial Technologies in Natural Resources Management Development & Governance
- Remote Sensing and GIS applications for Crop Resource Assessment and Monitoring
- RS & GIS for Coastal Zone Management
- Remote Sensing Applications for Geological studies
- Space-enabled Products & Services for Disaster Management :Indian Initiatives
- RS & GIS Application in Urban & Regional Planning
- Remote Sensing Application to Atmospheric & Marine Environment
- RS & GIS Applications in Forestry and Ecology
- RS applications for Planetary Studies
- RS & GIS Applications to Water Resources Management
- Geospatial Technology for climate change studies
- RS and GIS Applications in Soil Resource Management

Finally, on 20.11.2020, a panel discussion with all the mentors is conducted for interaction with the participants. Only one participant have participated in this programme.

Dr. V. V. Satyanarayana Tallapragada, Associate Professor coordinated this event under the guidance of Dr. P. V. Ramana, Professor and Head, Department of Electronics and Communication Engineering.


Convener

Module/Course Name- RS & GIS Applications
Module/ Course Coordinator: Shri C.M. Bhatt

Date	Day	Time	Topic	Speaker
02/11/2020	Monday	1600-1730 hrs	Applications of Remote Sensing & other Geospatial Technologies in Natural Resources Management, Development & Governance	Dr. S. K Srivastav
03/11/2020	Tuesday	1600-1730 hrs	Remote Sensing and GIS applications for Crop Resource Assessment and Monitoring	Dr. N.R. Patel
05/11/2020	Wednesday	1600-1730 hrs	RS & GIS for Coastal Zone Management	Dr. D. Mitra
06/11/2020	Thursdays	1600-1730 hrs	Remote Sensing Applications for Geological studies	Dr. R.S. Chatterjee
09/11/2020	Monday	1600-1730 hrs	Space-enabled Products & Services for Disaster Management :Indian Initiatives	Dr. P.K.C.Ray
10/11/2020	Tuesday	1600-1730 hrs	RS & GIS Application in Urban & Regional Planning	Shri. Pramod Kumar
11/11/2020	Wednesday	1600-1730 hrs	Remote Sensing Application to Atmospheric & Marine Environment	Dr. A.K Mishra
12/11/2020	Thursdays	1600-1730 hrs	RS & GIS Applications in Forestry and Ecology	Dr. Hitendra Padalia
16/11/2020	Monday	1600 – 1730 hrs	RS applications for Planetary Studies	Dr. Prakash Chauhan
17/11/2020	Tuesday	1600-1730 hrs	RS & GIS Applications to Water Resources Management	Dr. S.P Aggarwal
18/11/2020	Wednesday	1600-1730 hrs	Geospatial Technology for climate change studies	Dr. Arijit Roy
19/11/2020	Thursdays	1600-1730 hrs	RS and GIS Applications in Soil Resource Management	Dr. Suresh Kumar
20/11/2020	Friday	1600-1730 hrs	Panel Discussion Module-3	All speakers



Dr. V. V. Satyanarayana T

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Attendance Record For Course On Geospatial Technology For Disaster Risk Reduction-One Day Online Workshop

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Registration Number	Name	Total Sessions	No. of sessions attended	%age of Attendance	Eligibility for Examination/Certificate
2020690465852	MR. HARIKISHORE BANDHAM	12	11	91.67	Yes
2020690481424	DR, DEVARAJU SREEKANTH	12	11	91.67	Yes
2020690487976	MR. KRISHNA SAANDEEP KANASANI	12	11	91.67	Yes
2020690503020	MS. SUCHITRA REDDY AMBATI	12	11	91.67	Yes
2020690513428	MR. DADU KIRAN KUMAR REDDY	12	11	91.67	Yes

Showing 1 to 5 of 5 entries

Previous **1** Next

USEFUL LINKS

IIRS e-Learning Brochure (https://elearning.iirs.gov.in/imgs/elearning_IIRS-English_Version2018.pdf)

Annual Course Calendar IIRS Distance Learning Programme – 2020 ([https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20revised%20\(4\).pdf](https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20revised%20(4).pdf))

IIRS Application Form (https://elearning.iirs.gov.in/imgs/application_form.pdf)

ISRO (<https://www.isro.gov.in/>)

CSSTEAP (<https://www.cssteap.org/>)