

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

58th IIRS Outreach Programme

on

**"Space Based Application of Geospatial Technologies
for Disaster Risk Reduction"**

By

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24-02-2020 to 13-03-2020

The Department of Electronics and Communication Engineering of Sree Vidyanikethan Engineering College has organized an outreach programme in association with Indian Institute of Remote Sensing, Dehradun, for faculty of Sree Vidyanikethan Engineering College during 24-02-2020 to 13-03-2020.

Earth observation data and geospatial technology is an important tool in addressing the Sendai Framework priorities. An overview of Sendai framework and the role of geospatial technologies (RS GIS) in implementing and addressing the priority areas outlined in SFDRR is provided to the participants.

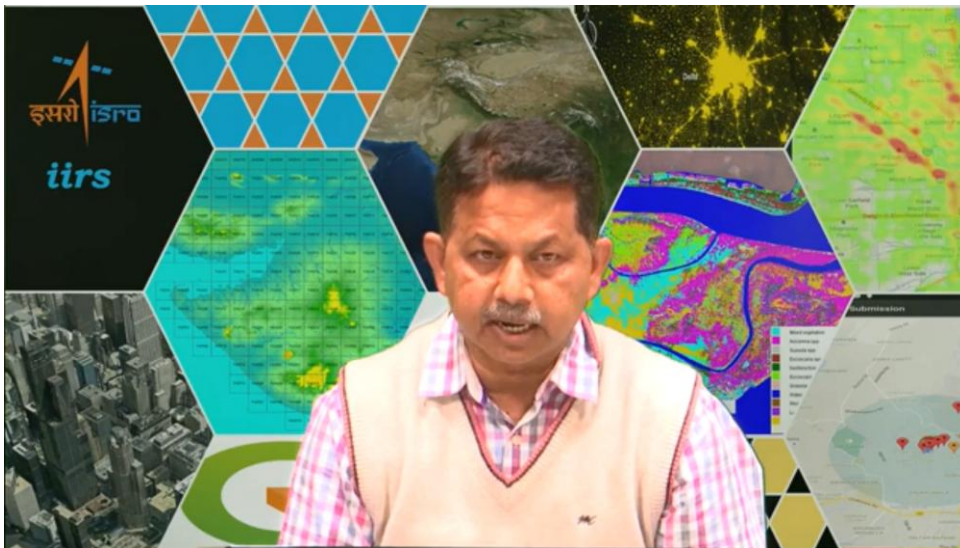
The following topics are discussed in this outreach programme.

- Overview of Geospatial Technology
 - Basic concepts of remote sensing Earth Observation data
 - Visual and Digital Image Analysis
 - GIS concepts and analysis
 - Concepts of GNSS
 - Advanced Earth observation Sensors for Disaster Risk Reduction
- Application of Remote sensing and GIS in Disaster Risk Reduction (Basic Concepts)
 - Geological Hazards
 - Hydrological Hazards
 - Forest Fire Hazards
 - Drought Hazards
 - Coastal Hazards
 - Atmospheric Pollution Hazards
 - Space Based Communication Navigation
 - Web Portals Data Services

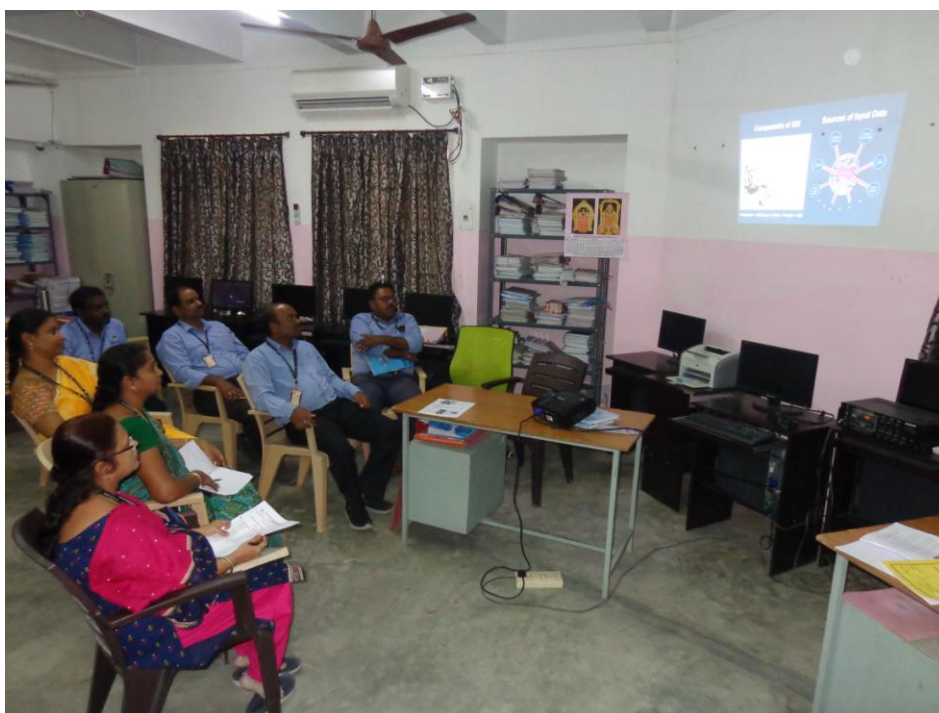
Finally, a group panel discussion was conducted with all online users and expert panel. This programme has enabled interaction among professionals from Central / State Govt. / Private Organizations / NGO engaged in geospatial data collection and analysis based regional and national projects; researchers aligned to research in participatory Geographic Information System (GIS). It has also enabled faculty to further promote their research in GIS and Disaster Risk Reduction.

The resource persons are experienced Scientists from Indian Institute of Remote Sensing, Dehradun. A total of 10 members from different departments have participated in this programme. Dr. V. V. Satyanarayana Tallapragada, Associate Professor organized this event under the guidance of Dr. P. V. Ramana, Professor and Head, Department of Electronics and Communication Engineering.

Overall, the event has proved successful. The photographs of workshop are as follows.



Mentors from IIRS Dehradun delivering online lecture



Faculty listening to the online lecture