

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1017th IIRS One day Online Workshop

on

“SAR Application for Flood Hazard Mapping & Monitoring”

By Shri Shantanu Bhatavadekar, Dr. Prakash Chauhan, Dr. Rajashree V. Bodhale, Dr. Harish Karnatak, Shri Kamal Pandey, Indian Institute of Remote Sensing, Dehradun

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The Department of Electronics and Communication Engineering of Sree Vidyanikethan Engineering College (A Nodal Centre) has coordinated and organized a one Day online workshop on “SAR Application for Flood Hazard Mapping & Monitoring” conducted by Indian Institute of Remote Sensing, Dehradun 16.07.2021. The target audience are the faculty and students of various disciplines of Sree Vidyanikethan Educational Trust, Tirupati.

The online workshop is latest addition to the IIRS distance learning activities. This online workshop is being organized for highlighting the potential of microwave remote sensing data for flood hazard mapping and monitoring. The all weather capability and day and night time imaging from microwave SAR sensor systems has emerged as one of major support for mapping and monitoring of dynamic events like flood hazard. The focus of the workshop will be appraising participants about the basic concepts and terminologies, accessing data and software using open sources including processing and analyzing of SAR data through case studies and demonstrations.

Following topics will be covered in this course

- Overview and basic concepts of SAR
- SAR application for flood hazard mapping
- Access to SAR data and processing S/W
- Processing of SAR data
- SAR based flood hazard mapping

Finally, the workshop ended with panel discussion with all the participants. Eight participants have attended this programme.

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