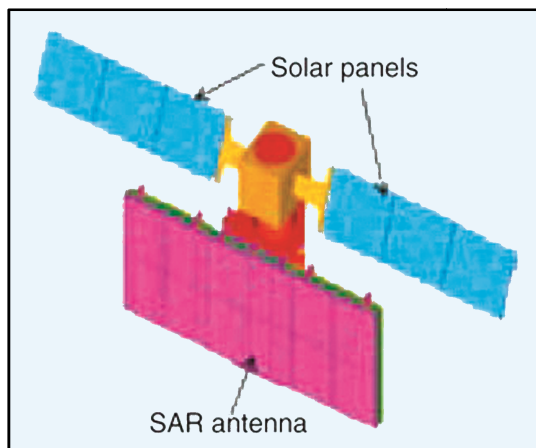


(July 12 - 16, 2021)



RISAT 1

The successful launch of indigenously developed Microwave satellite, Radar Imaging Satellite RISAT-1 active microwave remote sensing satellite, has opened up new vistas for operational utilization of microwave data for management of natural resources and Disaster management.

RISAT-1 which carries a multi-mode C-band (5.35 GHz) Synthetic Aperture Radar (SAR) as the sole payload, operates at various beam modes having a number of combinations of linear as well as circular polarization, varying swath in the range of 200-600 km and spatial resolution varying between 3 to 50 m

depending on the type of mode. Unique applications of radar technology and synergy with optical data have tremendous scope for a better understanding in developing new applications. The RISAT-1 microwave data is useful in the fields of Agriculture, Soils, Forestry, Earth Sciences, Snow, Hydrology, Oceanography and Disaster Applications. Also, RISAT-1 provides unique characteristics of fully polarized & compact polarized data in multi incidence besides being equipped for interferometry.

Webinar Focus:

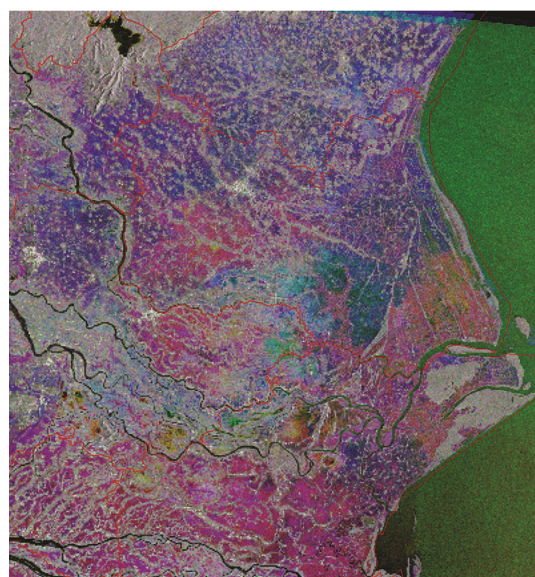
The main objective of this course is to provide basis for enhancing knowledge of the participants towards a better understanding of SAR data processing, interpretation and utilization for various applications.

The course covers Microwave Remote Sensing Technology & Applications addressing:

- Introduction to SAR Technology
- SAR Signal Processing
- Interferometry
- Polarimetry

Resource Applications, Case studies and Demonstrations using COTS and Open tools in

- Agriculture & soils
- Environment & Forestry
- Snow & Hydrology
- Oceanography
- Disaster Management



SAR Polarimetric Composite

Who can Apply:

Online registrations are invited from Professionals working in State Government / Central Government Departments, NGOs, Private Companies and Faculty & Research Scholars from Academic Institutions who are gearing up or enhance their knowledge to utilize the active Microwave Remote Sensing data.

Applicants should have minimum Masters degree in Science or Bachelors degree in Engineering or graduation with 2 years of experience in relevant areas. Knowledge in Remote Sensing applications using optical multispectral data and experience in using Image Processing software is essential. The course fee for the webinar is of Rs. 900/- to be made via online transfer. Kindly visit www.nrsc.gov.in for more details. Right of admission reserved with NRSC.