

## 12 Weeks Regular Training on Geospatial Technologies and Applications (04 Nov 2019 - 24 Jan 2020)

The Indian Subcontinent is composed of variety of land forms & topography with highly varying agro climatic zones with northern part covered by Himalayas and three sides covered by Oceans, requires comprehensive understating for planning, resource monitoring and management. To address use of space inputs for planning and governance at national to micro level requires development of skilled professionals at various levels. With this in view, NRSC organises various regular and thematic training courses ranging from 1 to 12 weeks duration. The 12 weeks course on geospatial technologies and applications will facilitate middle-level officials, faculty and research scholars to thoroughly understand remote sensing, image interpretation, digital image processing, GIS and practicals on Image processing & GIS, various applications, with 3-weeks project work in relevant field.

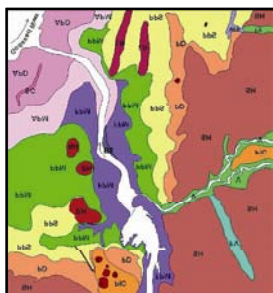
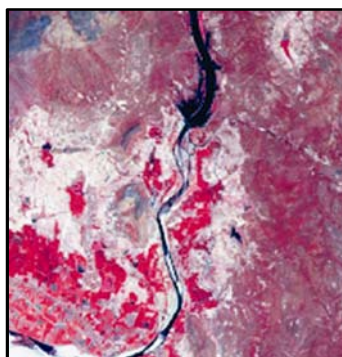
### Training Focus:

**Remote Sensing:** Introduction, atmospheric effects, platforms and sensors, image interpretation & field study, introduction to aerial photography, photogrammetry, GPS and satellite data products.

**Digital Image Processing & GIS:** Concepts of image processing, image enhancements, qualitative & quantitative analysis and recent developments in image processing and pattern recognition, generic GIS technology and concepts with comprehensive hands-on practical on industry standard image processing and GIS software.

**Applications:** Application of remote sensing in Geology, Geomorphology, Water Resources, Land Use, Urban studies, Oceanography Agriculture, Soils, Forestry, Climate Studies and Disaster applications such as Flood, Cyclone, Landslide, Earthquake, Drought, Forest fire, atmospheric, climate and exposure to Geoportal & Web GIS services.

**Project work:** Three weeks project work in their respective application area under the supervision of a resource Scientist. **Grades** are awarded after due evaluation process.



### Who Can Apply?

Persons intended to work in the preparation and utilization of Geospatial data in the domains like forestry, geosciences, hydrogeology, water resources, agriculture and soils, land use, urban studies, oceanography and disaster applications, to learn Digital Image processing & GIS can apply. Participants should have minimum

**Master's Degree in Science, M.A in relevant fields of Geospatial Technologies or Bachelor's Degree in Engineering.** Right of Admission reserved with NRSC.