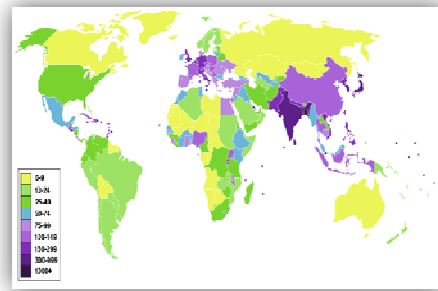
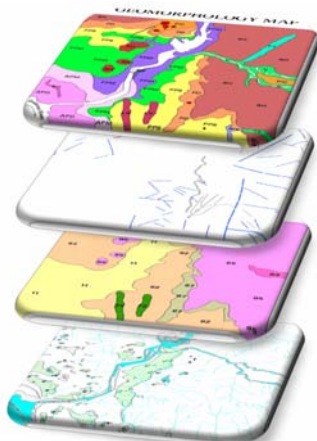


## 2-week Training Course on *Open Source GIS* ( March 5 - 15, 2019 )

Geographic Information System (GIS) is a technological tool used to describe and characterize spatially referenced geographic information for the purpose of visualizing, querying and analysis. Using GIS, it is possible to map, query, model and analyze spatial data maintained within a single database. Spatial analysis is one of the most interesting and remarkable aspects of GIS. Using spatial analysis, GIS users can combine information from many independent sources and derive entirely new layers of information by applying sophisticated set of spatial analysis tools.



GeoVisualization (Population Density)



Though Management Information System (MIS) is a powerful tool for managers to analyze tabular data for decision making, it lacks spatial information. In India, for the past two decades, the spatial information technology has emerged as a powerful tool in providing various geo-spatial solutions in utility planning, large scale mapping, integrated studies and spatial prediction models & Governance. People started working with spatial decision support system and geostatistics to identify and solve complex spatial problems.

The primary goal of this training program is to expose the participants to introductory theoretical knowledge of GIS and in providing practical exposure on use of open source tools.

### Training Focus

The program covers the foundations of GIS, viz., introduction, spatial data models and databases, data conversion techniques such as data capture & updations, spatial analysis and modeling, map composition & report generations and few GIS appls-. The course includes hands-on exposure in the form of practical exercises using open source GIS software package.



### Who Can Apply

GIS Users working in Central/State /Private/NGOs/Academic Institutions with Bachelors degree who wish to enhance their understanding in GIS technologies and use of open source software can apply. Right of Admission reserved with NRSC.