

Remote Sensing & GIS Course Content

GIS provides an easy and more efficient way to interpret geospatial data – to create a topographic map with elevation, angles and other features

DAY 1

Session 1:

- Lecture Session
- Geographic Information System (G.I.S)
- Introduction
- Various applications
- Data sources
- GIS Data Models
- Data Acquisition
- Coordinate System and Map Projections
- Brief Introduction to GPS and Remote sensing

DAY 2

Session 1:

- GIS Workshop Image 1 GIS Workshop Image 2 GIS Workshop Image 3
- Practical Session
- Making a Topographic map
- Working with Attributes
- Geo-referencing aerial imagery and scanned maps
- Digitization
- Affine transformation
- Performing Spatial query
- Raster Styling and Analysis
- Case studies on industrial projects