

**Bachelor of Technology (Civil Engineering)****Semester: VI**

Subject Code	Subject Title	Teaching Scheme					
		(Hours/Week)		Credits	Examination Marks		Total Marks
		Practical	Tutorial		Internal	External	
1010202616	Remote Sensing and GIS- Practical	2	0	1	20	30	50

Duration of Exam: 1:00 Hours**List of Software:**

1. ENVI – Remote Sensing

- Introduction to ENVI
- Introduction to Panchromatic Data and Vector Overlays.
- Multispectral Classification.
- Image Geo-referencing and Registration.
- Georeferencing Images Using Input Geometry.

2. Arc-GIS

- Introduction about to ArcMap
- Image to Image Georeferencing
- Ground to Image Georeferencing
- Create Shapefile (Vector file) in ArcMap
- Digitization (Raster 2 Vector Conversion)

List of Open Source Software/learning website:<https://archive.nptel.ac.in/><https://www.iirs.gov.in/><https://ncog.gov.in/><https://www.arcgis.com/index.html>
