

GEOGRAPHIC INFORMATION SYSTEMS LAB**Course Code: 13CE2109****L P C**
0 3 2**Course Educational Objectives:**

1. To familiarize student with remote sensing and GIS software.
2. Use of GIS software's for infrastructure planning and management.

Course Outcome:

The student will demonstrate the ability to prepare various thematic maps and its applications in various fields like water resources and transportation Engineering.

LIST OF EXERCISES

1. Opening and Importing of an Image.
2. Rectification of Images.
3. Subset by Inquire Box method.
4. Subset by AOI method.
5. Mosaic of Images.
6. Digitization
7. Attribute data entry and manipulation
8. Supervised Classification
9. Unsupervised classification.
10. Developing Digital Elevation model, Draping of an image.
11. Data analysis – Reclassification, Overlay and Buffer.
12. Map generation with Patterns and Legends.

GIS SOFTWARE :

Arc GIS / ERDAS / Mapinfo / ILWIS
