REMOTE SENSING AND GIS LAB
(Skill Oriented Lab Elective –V)

Course Code: 20CE11S9	**L**	**T**	**P**	**C**
	0	**1**	**2**	**2**

Course Outcomes:

At the end of the course, the student will be able to:
CO1: Demonstrate the tools for preprocessing of satellite images using RS software
CO2: Derive landuse/ landcover and other thematic maps using software tools
CO3: Explain the tools in GIS software for data creation and data development
CO4: Discuss the development of DEM using contours and other terrain features
CO5: Demonstrate the tools to process in composing maps

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. Supervised Classification of a given image
7. Unsupervised classification of a given image
8. Digitization of Map/Toposheet
9. Developing Digital Elevation model and Draping of an image.
10. Contour generation
11. Overlay and reclassification
12. Creation of thematic map and map composition

REFERENCES:

1. David P Paine, "Aerial Photography and Image Interpretation", 2nd Edition, published byWiley, Higher Education, 2006.
2. Micheal N Demers, "Fundamental of GIS", 3rd Edition, John Wiley & Sons, 2008.