Course Objectives: To Develop GIS interface to field problems through geofencing

Course Outcomes: At the end of the course, the student is exposed to spatial technologies, mapping the field problems and solution convergence through GIS.

UNIT - I
Development of georeferencing of maps either from cadastral or AutoCAD based map.

UNIT - II
Identification of best locations of ground control points and mosaicing the different sources of maps of information like topo sheets & satellite data and other drawings.

UNIT - III
Digitization and GIS co ordination.

UNIT - IV
GIS interface and features using open Source Software QGIS.

UNIT - V
Case example on mapping like water distinguish, Road alignment road network etc.,