

CVE 302: SURVEYING FOR ENGINEERS – II (3 Units)

Principles of remote design and route location. Leveling, cross sectioning and profiling. Computation involving horizontal and vertical curves. Computation of earthwork quantities. Development of mass haul diagrams. Sketching of slopes and buildings. Methods of triangulation observation and adjustments. Photogrammetric and remote sensing techniques in highway engineering. Elements of geographic information system (GIS) and practice with autocad.