



CVA026 - Advanced Field Surveying

Course outcomes:

- Work with advanced survey equipment
- Prepare field measurement and plotting

Syllabus:

List of Experiments

1. Study of advanced surveying equipment Total station and GPS
 - To determine the interior angle of the existing building
 - To determine the setback distance of the building from the boundary.
2. Ranging of field boundary.
3. Reciprocal Levelling of the building.
4. Traversing
 - Open traversing of the road
 - Closed traversing of the field boundary.
5. Establishment of control points for field.
6. Height measurement (Remote elevation measurement- REM).
7. Stake out of the building.
8. Resection of the field.
9. Calculation of area and volume.

Reference Text Books:

1. Surveying – Vol –II – By B.C. Punmia, A K Jain and A K Jain, Laxmi Publishers
2. Higher Surveying – Vol –II By B.C. Punmia, A K Jain and A K Jain, Laxmi Publishers