

Value Added Course on Total Station Survey

Syllabus

Cycle I - Fundamentals of Survey

Methods of measuring distance, basic principles of total station, historical development, classifications, applications and comparison with conventional surveying.

Cycle II - Total station

- Introduction
- Parts of total station
- Accuracy & errors
- Topographic survey
- Control & offset survey
- Contour survey
- Building marking
- Angle & distance measurement
- Calculation of area
- Measurement of volume
- Road survey

Cycle III – Hands on Training

- Instrument setup
- Spot level
- Distance measurement
- Field procedure using co-ordinates
- Data extraction from total station
- Data importing using Auto-cad