CIVIL ENGINEERING DEPARTMENT

INTEGRAL UNIVERSITY LUCKNOW

Basic Survey Field Work (ICE-352)

The history of surveying started with plane surveying when the first line was measured. Today the land surveying basics are the same but the instruments and technology has changed. The surveying equipments used today are much more different than the simple surveying instruments in the past. The land surveying methods too have changed and the surveyor uses more advanced tools and techniques in Land survey. Civil Engineering survey is based on measuring, recording and drawing to scale the physical features on the surface of the earth. The surveyor uses instruments for measuring, a field book for recording and now a days surveying softwares for plotting and drawing to scale the site features in civil engineering survey. The surveying Leveling techniques are aided by instruments such as theodolite, Level, tripods, tapes, chains, telescopes etc and then the surveying engineer drafts a report on the proceedings.

S.NO	APPARATUS NAME	IMAGE	DISCRIPTION
1-	PLANE TABLE		In case of plane table survey, the measurements of survey lines of the traverse and their plotting to a suitable scale are done simultaneously. Instruments required: Alidade, Drawing board, peg, Plumbing fork, Spirit level and Trough compass.



The length of the survey lines are measured with the help of tape or chain.





















