



# MANIPAL UNIVERSITY JAIPUR

School of Civil and Chemical Engineering

Department of Civil Engineering

## *Lab & Equipment Details* *Surveying Lab*

Name of Laboratory	Surveying Lab
Lab Description	The Surveying Laboratory has a wide variety of modern surveying equipment, such as GPS-based surveying equipment, total stations, Digital theodolites, and automatic levels for basic instructional and research purposes. Undergraduate students use the laboratory as an integral part of their surveying coursework and obtain any topographic information that can help their capstone design projects, such as highway design and land development.

Sr. No.	Name Of Item
1	TOTAL STATION WITH STANDARD ACCESSORIES
2	DIGITAL THEODOLITE WITH TRIPOD-PENTAX MAKE
3	LYNX VERNIER THEODOLITE WITH TRIPOD
4	DIGITAL PLANIMETER
5	PLANE TABLE WITH ACCESSORIES
6	LYNX DIGITAL LEVEL
7	LYNX DUMPY LEVEL
8	LYNX LEVELLING STAFF (6Mtrs.)
9	PENTAX AUTO LEVEL
10	PRISM SQUARE
11	PRISMATIC COMPASS
12	SURVEYOR'S COMPASS
13	NAUTICAL SEXTANT WITH STAND
14	LINE RANGER
15	CLINTON METER INDIAN PATTERN
16	CYCLON GHAT TRACER
17	OPTICAL SQUARE
18	PENTAGRAPH
19	ARROWS
20	BRUTON COMPASS
21	BOX SEXTANT
22	ENGINEERING CHAIN (100'00")
23	ENVIE QUICK CHARGER
24	GUNTER CHAIN (66'00")
25	HAND LEVEL
26	HAMMER

27	METRIC CHAIN (10Mtrs.)
28	METRIC CHAIN (20Mtrs.)
29	METRIC CHAIN (30Mtrs.)
30	METALLIC TAPE (30Mtrs.)
31	METALLIC TAPE (15Mtrs.)
32	OCTAGONAL CROSS
33	OPEN CROSS STAFF
34	RANGING ROD (2M)
35	RANGING ROD (3M)
36	RANGING ROD (2.5M)
37	MIRROR STEREOSCOPE
38	WOODEN CROSS STAFF