












Surveying Lab

No	Device name	Device photo	Description of the Equipment
1	Automatic Level (Topcon & Leica)		An automatic level is an optical instrument used to establish or verify points in the same horizontal plane in a process known as leveling and is used in conjunction with a leveling staff to establish the relative heights levels of objects or marks.
2	Digital Level (TOPCON & LEICA)	 	A digital level is an instrument that can be used to perform advanced levelling work, automatic height calculations and basic construction work. It uses gravity as its reference point and reads bar-code scales from a bar-coded staff to capture extremely accurate readings.
3	Theodolite Topcon		Theodolite is used to measure the horizontal and vertical angles in order to make the horizontal and vertical adjustments of the maps.



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4	Theodolite SETL		<p>Theodolite is used to measure the horizontal and vertical angles in order to make the horizontal and vertical adjustments of the maps.</p>
5	Theodolites Leica		<p>Theodolite is used to measure the horizontal and vertical angles in order to make the horizontal and vertical adjustments of the maps.</p>
6	Digital Planimeter		<p>A digital planimeter is used to measure areas of paper maps</p>



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7	Total Station (Topcon and Leica)		<p>Topcon's GPT-7500/GTS-750 Series Total Stations and Leica are the next wave of revolutionary design and advanced technology. It used for detail surveying and stake out in an integrated and rapid manner</p>
8	Compasses		<p>A compass is a navigational instrument for determining direction relative to the Earth's magnetic poles. It consists of a magnetized pointer (usually marked on the North end) free to align itself with Earth's magnetic field. The compass greatly improved the safety and efficiency of travel, especially ocean travel.</p>