



## URBAN & REGIONAL PLANNING LABORATORY

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# Introduction

The lab is used as classroom for certain courses:



- **Architecture** - Subject related to structure and building construction
- **Quantity Surveying** - Related to structure, building construction, civil engineering construction and studio
- **Landscape Architecture** - The art and practice of designing the outdoor environment, especially designing parks or gardens to harmonize with buildings and roads.
- **Applied Arts and Design** - All the arts that apply design and decoration to everyday and essentially practical objects in order to make them aesthetically .
- **Urban & Regional Planning** - A spatial design practice that brings limitations to the intervention in natural areas to ensure a balance between population growth, housing, and employment in residential areas.

# List of equipment



Equipment	Picture	Purpose
Total Station		A total station (TS) or total station theodolite (TST) is an <b>electronic/optical instrument used for surveying and building construction.</b>
Tripod		A tripod is a <b>stand with three legs that is used to support something such as a camera or a telescope.</b>





# List of equipment

Equipment	Picture	Purpose
Prism		Survey prisms are <b>used by surveyors and engineers to measure the change in position of a target that is assumed to be moving.</b>
Ranging Rod		A ranging rod (or range rod) is a <b>surveying instrument used for marking the position of stations</b> , and for sightings of those stations, as well as for ranging ...

# List of equipment



Equipment	Picture	Purpose
Auto Level		an automatic level is a <b>professional leveling tool that is often used by land surveyors, builders, contractors, and engineers.</b> And it's best known for its ability to provide consistent level accuracy more quickly than many other leveling instruments.
Leveling Staff		Leveling Staff is <b>an instrument used to determine the difference in height between two points.</b> Levelling Staff is known as the staff rod, Levelling rod, and self-reading staff, as the staff readings may be taken directly by the instrument man from the levelling instrument.

# List of equipment



Equipment	Picture	Purpose
Measuring Tape		Surveying Tape Measure. Tapes are <b>used in surveying to take linear measurements</b> . They are available in different lengths and can be made of different materials.
Compass		Compass surveying is a type of surveying in which the directions of surveying lines are determined with a magnetic compass, and the length of the surveying lines are measured with a tape or chain or laser range finder. The compass is generally used to run a traverse line.



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Equipment	Picture	Purpose
Hand Held GPS		A handheld GPS is a <b>device that uses the Global Positioning System, combining modern geographic technology with a portable, user-friendly device for everyday use</b> . Introduced in the late 1990s, the handheld GPS has many functions, including navigation assistance and land-survey data.
Traffic Count		A traffic count is a <b>count of vehicular or pedestrian traffic, which is conducted along a particular road, path, or intersection</b>

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Laser Distance Meter Hand Held		A laser distance measuring tool <b>calculates distances by sending a laser pulse to any target you wish to measure, then assessing the time it takes for the reflected beam to return.</b>
Wheel Measure		The surveyor's wheel <b>measures the distance along a surface</b> , whereas in normal land surveying, distances between points are usually measured horizontally with vertical measurements indicated in differences in elevation. Thus conventionally surveyed distances will be less than those measured by a surveyor's wheel.



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Safety Vest		A safety vest is an article of personal protective equipment that's designed to have high visibility and reflectivity.
Safety Helmet		a hard hat worn to protect the head from injury.

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Safety Bar Light	 A red and black safety bar light, which is a long, thin, red cylindrical light with a black handle and a black cord.	Emergency vehicle <b>lighting</b> is one or more visual warning <b>lights</b> fitted to a vehicle for use . <b>lights</b> may be dedicated emergency <b>lights</b> , such as a beacon or a <b>light bar</b>
Safety Road Light	 A yellow safety road light, which is a yellow, rectangular, plastic light with a yellow lens and a black handle.	When you see the yellow light, you should stop, if you can do so safely. If you can't stop, look out for vehicles that may enter the intersection.



# Gallery







# Opening Hours

## Monday to Thursday

8.00am – 1.00pm

2.00pm – 5.00pm

## Friday

8.00am – 12.15pm

2.45pm – 5.00pm

## Non-working hours

Kindly contact  
person in charge

