

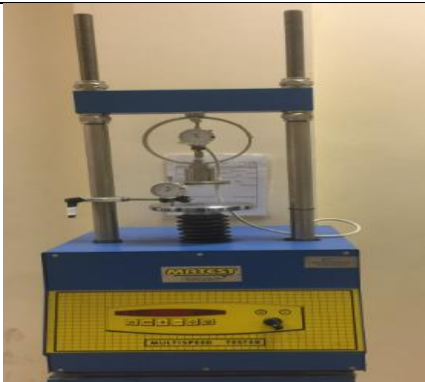








## Geotechnical Engineering Lab

	<p><b>Device Name: Direct Shear</b></p> <p><b>Used For:</b> to determine the shear resistance of all types of soil</p> <p><b>Experiment associated with it:</b> Direct Shear test</p> <p><b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Consolidation Apparatus</b></p> <p><b>Used For:</b> to evaluate the settlement, swell of cohesive soil.</p> <p><b>Experiment associated with it:</b> Consolidation test</p> <p><b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Unconfined shear machine</b></p> <p><b>Used For:</b> to determine unconfined compression and shear strength</p> <p><b>Experiment associated with it:</b> Unconfined shear test</p> <p><b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Constant Head</b></p> <p><b>Used For:</b> to determine the coefficient of permeability for granular soil</p> <p><b>Experiment associated with it:</b> permeability test</p> <p><b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Sieve Shaker</b></p> <p><b>Used For:</b> to determine the grain size distribution of soil particle retained on sieve #200</p> <p><b>Experiment associated with it:</b> sieve analysis test</p> <p><b>Courses associated with it:</b> Geotechnical engineering</p>

	<p><b>Device Name: sieve</b></p> <p><b>Used For:</b> Grain Size Distribution</p> <p><b>Experiment associated with it:</b> sieve analysis test</p> <p><b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Hydrometer Apparatus</b></p> <p><b>Used For:</b> to determine the grain size distribution of soil particle pass on sieve #200</p> <p><b>Experiment associated with it:</b> Hydrometer test</p> <p><b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Can</b></p> <p><b>Used For:</b> to determine water content</p> <p><b>Experiment associated with it:</b> water content test</p> <p><b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Vacuum pump</b></p> <p><b>Used For:</b> to remove air voids in the soil and water</p> <p><b>Experiment associated with it:</b> specific gravity</p> <p><b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Atterberg limit casagrande</b></p> <p><b>Used For:</b> to determine the liquid limit and plastic limit of the soil</p> <p><b>Experiment associated with it:</b> Atterberg limit</p> <p><b>Courses associated with it:</b> Geotechnical engineering</p>

	<p><b>Device Name: Mold and Rammar</b>  <b>Experiment name: compaction</b>  <b>Used For:</b> soil compaction  <b>Experiment associated with it:</b> compaction  <b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Sand cone</b>  <b>Used For:</b> Field dry densities  <b>Experiment associated with it:</b> Field dry densities  <b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Oven</b>  <b>Used For:</b> Oven Dry Soil  <b>Experiment associated with it:</b> for most experiment  <b>Courses associated with it:</b> Geotechnical engineering</p>
	<p>Not used, old  <b>Device Name: Automatic CBR/Proctor Compact</b>  <b>Used For:</b> soil compaction  <b>Experiment associated with it:</b> compaction  <b>Courses associated with it:</b> Geotechnical engineering</p>
	<p>Not used, old  <b>Device Name: Balloon Density Apparatus</b>  <b>Used For:</b> to determine the in silty density of fine soil  <b>Experiment associated with it:</b> density of fine soil</p>

	<p><b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Falling head</b>  <b>Used For:</b> to determine the coefficient of permeability of cohesive soil  <b>Experiment associated with it:</b> Falling head permeability  <b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Universal Extruder</b>  <b>Used For:</b> to remove sample from the mold  <b>Experiment associated with it:</b> compaction  <b>Courses associated with it:</b> Geotechnical engineering</p>
	<p><b>Device Name: Mechanical stirrer</b>  <b>Used For:</b> to mix soil and water  <b>Experiment associated with it:</b> hydrometer  <b>Courses associated with it:</b> Geotechnical engineering</p>

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