






DEPARTMENT OF CIVIL ENGINEERING


Lab details


S.No	Name of the Laboratory	Major Equipment	Staff Incharges	Photo Gallery
1	Strength of materials	UTM of minimum 400 kN capacity Torsion testing machine for steel rods Izod impact testing machine Rockwell Hardness testing machine Brinnel Hardness testing machine Extensometer Compressometer Dial gauges Double Shear Attachment Spring Testing Machine Vicat's Apparatus Le-Chatelier's Apparatus Beam Deflection Test Apparatus Mortar cube moulds etc.,	Lab-Incharge: Mrs. R. Bharathi Lab Assistant: Mr.M.Kamuthurai	
2	Hydraulic engineering lab	Flow Measurement (Open Channel Flow) With Notches (Rectangular, triangular) Losses Of Pipe(Minor Loss) Centrifugal Pump (Multi Stage -3HP) Jet On Vanes Bernoulli's theorem	Lab-In charge: Mrs. S. Gayathri Lab Assistant: Mr. M. Kamuthurai	

		Pitot tube Mouth piece Tank Venturimeter Rotometer U tube manometer Orifice meter Reciprocating pump Deep well pump Gear pump Impulse turbine Francis turbine Kaplan turbine Metacentric height		
3	Soil mechanics lab	Sieves Hydrometer Liquid and plastic limit apparatus Shrinkage limit apparatus Proctor compaction apparatus UTM of minimum of 20KN capacity Direct shear apparatus Thermometer Field density measuring device Triaxial shear apparatus Three gang consolidation test device	Lab In charge: Mrs. G.Sugila Devi Lab Assistant: Mrs.D.Gandhimathi	

4	Environmental engineering lab	<p>Oxygen analyzer Spectrophotometer Ion – selective electrode Sodium Potassium Analyzer – Flame Photometer Nephlo - turbidity meter BOD Analyzer COD Analyzer Jar Test Apparatus Ph Meter Conductivity Meter Hot Air Oven Magnetic Stirrer With Hot Plates Digital Analytical Balance etc.,</p>	<p>Lab In charge: Mrs. R. Thenmozhi Lab Assistant: Mrs.D.Gandhimathi</p>	
5	ConcreteAnd highway Engineering lab	<p>Concrete cube moulds Concrete cylinder moulds Concrete Prism moulds Sieves Concrete Mixer Slump cone Flow table Vibrator Trowels and planers UTM – 400 kN capacity Vee Bee Consistometer Aggregate impact testing machine CBR Apparatus Blains Apparatus</p>	<p>Lab In charge: Mr. A.Abraham Francis Lab Assistant: Mr. M. Kamuthurai</p>	

		Marshall Stability Apparatus Ductility Testing Machine Standard Penetration Test Apparatus Ring & Ball Apparatus		
	survey lab:	Total Station (PENTAX :R-205NE) Total Station (PENTAX :R-425VN) Single Prism Assembly with Target Standard Vernier Theodolites ST20E with accessories Dumpy level (LYNX DL9) WITH WHITE STAND LYNX Plane table with Stand and ALL Accessories Pocket stereoscope Ranging rods 3m Screw Type Aluminum Leveling staff 4m (3 fold) Cross staff brass with Pole Surveyor's chain Metric Chains 30m Metric Chains 30m (300mm links) Free Man's Metallic Tape (30m) Metal Arrows Prismatic Compass 4" dia Prismatic Compass 125mm	Lab In charge: Mr. N. Prasanth Lab Assistant: Mrs.D.Gandhimathi	

		dia Surveyor Compass 100mm dia Pocket stereoscope Substanse bar		
8	Advanced structural engineering lab:	Loading Frame Hydraulic Jack Load Cell Proving Ring Demec Gauge Electrical Strain Gauge with indicator Rebound Hammer Ultrasonic Pulse Velocity Tester Dial Gauges Clinometer Vibration Exciter Vibration Meter	Lab In charge: Ms. R. Vijayalakshmi Lab Assistant: Mr. M. Kamuthurai	

10	Computed aided lab	<p>Lenovo V520 Mini Tower Desktop with Intel Core 15 7th Gen 7400 Desktop Processor Intel B250 chipset 4GB DDR4 RAM 1TB SATA hdd (7200 RPM) Lenovo Keyboard & Mouse Gigabit Lan 19.5" Wide LED Monitor</p> <p>Panasonic PT-LB1EA Logic 100" MW (7X5) instalock Screen Liberty VGA Splitter DD 124 24 Port Gigabit Unmanaged Switch 24 Port Patch Panel Single Information Outlet Golden 10 Kwa Online UPS With Exide Tubular Battery</p>	<p>Lab In charge: Mr. S. P. Bala Murugan Lab Assistant: Mrs. D. Gandhimathi</p>	
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