



Department of Civil and Environmental Engineering

Departmental Laboratories



Civil & Environmental Engineering Laboratories

Sr. No.	Name of Laboratory	Area in Sq. m	Major Equipments
1.	Environmental Engineering Laboratory -1	68	Incubator, COD Digestion Kit, Distillation Plant, Jar Test Apparatus, Conductivity Meter, Nephelometer
2.	Air Pollution Laboratory	67	Weather Station, Stack Monitoring Kit, High Volume Sampler, Respirable Dust Sampler, AERMOD VIEW Software, Digital Noise Meter
3.	Environmental Engineering Laboratory - 2	112	Autoclave (Electrical), Autoclave (Non electrical), Colony Counter, Incubator, Microscope
4.	Advanced Laboratory	68	Atomic Absorption Spectrophotometer, Single Beam UV Spectrophotometer, Flame Photometer, Colorimeter
5	Environmental Monitoring Laboratory	67	Incubator, COD Digestion Kit, pH Meter

The Civil & Environmental Engineering Department has state-of-the-art laboratories related with environmental field that are fully equipped with advanced instruments to support cutting-edge research and hands-on learning for the students of UG & PG Program.



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Sr. No.	Name of Laboratory	Area in Sq. m	Major Equipments
6.	Remote Sensing & GIS Laboratory	66	Magellan's Handheld GPS, Dell Desktop optiplex, ACER Commercial Desktop, Pocket Stereoscope, Mirror Stereoscope
7.	Applied Mechanics Laboratory	73	Grave Sand's Apparatus, Jib Crane Apparatus, Bell Crank Apparatus, Beam Reaction Apparatus
8.	Surveying Laboratory	111	Total Station - Leicats09, Total Station - Sokkia Set 500, Auto Level, G.P.S., Theodolites (20" and 10")

The department provides first-year engineering students with access to exceptionally well-equipped laboratories, designed to enhance foundational learning through practical, hands-on experience.



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Sr. No.	Name of Laboratory	Area in Sq. m	Major Equipments
9.	Geotechnology Laboratory	177	Plate Load Test, Triaxial Shear Test Apparatus, Direct Shear Test Apparatus, Unconfined Compression Test Setup
10.	Fluid Mechanics Laboratory	184	Bernoulli's Theorem Apparatus, Pipe Friction Apparatus, Venturimeter & Orifice Meter Apparatus, Hydraulic Bench
11.	Concrete Technology	79	Rebound Hammer, Ultrasonic Pulse Velocity Meter, Autoclave, Slump Cone, Compaction Factor Machine
12.	Material Testing	79	100 MT Digital U.T.M, 200 MT Digital C.T.M., 40 MT Mechanical U.T.M., Hardness Testes, Torsion Testing Machine

The Civil & Environmental Engineering Department features well-equipped laboratories, including specialized facilities for structural engineering, geotechnical engineering, transportation, and surveying, providing students with hands-on experience and research opportunities across all core areas of the field.





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