

LABORATORY FACILITIES

❖ SURVEYING LABORATORY

- ✓ Plane Table and Accessories.
- ✓ Surveyor Compass
- ✓ Prismatic Compass.
- ✓ Metric Chain
- ✓ Ranging Rod.
- ✓ Arrows
- ✓ Pegs
- ✓ Tapes
- ✓ Dumpy Level
- ✓ Global Positioning System
- ✓ Levelling Staff
- ✓ Theodolites
- ✓ Pocket Stereoscope
- ✓ Cross staff

❖ CAD LABORATORY

Software details

- ✓ Auto CAD
- ✓ STAAD Pro

❖ HYDRAULIC ENGINEERING LABORATORY

- ✓ Venturimeter setup
- ✓ Orificemeter setup
- ✓ Major losses in pipes
- ✓ Flow through notches
- ✓ Centrifugal pump
- ✓ Reciprocating pump
- ✓ Impulse turbine
- ✓ Kaplan turbine

❖ STRENGTH OF MATERIALS LABORATORY

- ✓ UTM of minimum 400 KN capacity
- ✓ Torsion testing machine for steel rods
- ✓ Izod impact testing machine
- ✓ Hardness testing machine
- ✓ Brinell
- ✓ vickers
- ✓ Dial gauges
- ✓ Le Chatelier's apparatus
- ✓ Vicat apparatus
- ✓ Mortar cube moulds
- ✓ Extensometer
- ✓ compressometer

❖ SOIL MECHANICS LABORATORY

- ✓ Sieves
- ✓ Hydrometer
- ✓ Liquid limit apparatus
- ✓ Plastic limit apparatus
- ✓ Shrinkage limit apparatus
- ✓ Proctor compaction apparatus
- ✓ Direct shear apparatus
- ✓ Thermometer
- ✓ Field density measuring device
- ✓ Core cutter
- ✓ Sand Pouring Cylinder
- ✓ Pycnometer
- ✓ Triaxial shear apparatus
- ✓ Three gang consolidation test device

❖ CONCRETE AND HIGHWAY ENGINEERING LABORATORY

- ✓ UTM – 400 kN capacity
- ✓ Flow table
- ✓ Vee-Bee consistometer
- ✓ Slump cone
- ✓ Compaction factor machine
- ✓ Los – Angeles abrasion testing machine
- ✓ Concrete cube moulds
- ✓ Concrete cylinder moulds
- ✓ Concrete prism moulds
- ✓ Sieves set
- ✓ Concrete mixer
- ✓ Aggregate Impact testing machine
- ✓ CBR apparatus
- ✓ Ring and ball testing equipment
- ✓ Marshall stability apparatus

❖ ENVIRONMENTAL ENGINEERING LABORATORY

- ✓ Dissolved oxygen Meter
- ✓ Ion Meter
- ✓ Fluoride Electrode
- ✓ Digital Spectrophotometer
- ✓ Digital Flame Photometer
- ✓ Nephelo turbidity meter meter
- ✓ COD analyser
- ✓ BOD analyser
- ✓ Jar Test