

Laboratories

Name of The Laboratory

Lab Incharge

Geotechnical Engineering Lab

Prof.Ms.G.S.Kamble

Surveying Lab

Dr.Prof.Mr.P.R.Bamane

Engineering Geology

Prof.Ms.M.S.Kanase

Concrete Technology

Prof.Ms.M.S.Kanase

Environmental Engineering

Prof.Mr.B.M.Mohite

Strenght of Material

Dr.Prof.Mr.P.R.Bamane

1. Geotechnical Engineering Lab

Area of Laboratory	:112.7 m ²
Laboratory In Charge	: Prof.Ms.G.S.Kamble
Laboratory Investment (in Rs.)	: 312145/-
Utilization of Laboratory	:T.Y (Sem-V)

The Laboratory is Equipped with all modern Machineries required for advanced research and Consultancy services. All the equipments mentioned in the syllabus content of the undergraduate programme can be carried out in the laboratory.

The Dimension of the Laboratory is 112.7 sq.m The obsolete equipments and methods are periodically replaced with latest arrivals and methods, and the condemned equipments are used to explain the historical Development.

Soil is one of the very important engineering materials determination of soil conditions is the most significant task in every civil engineering activity properties of the soil can be determined by both field and laboratory test methods.

- The Main objectives of Developing the soil mechanics and foundation engineering lab are:
 1. To carry out all soil mechanics fundamental experiments according to standards.
 2. To understand the techniques, skills and modern Engineering tools necessary for engineering practice.



2.Surveying Lab

Area of Laboratory	:72 m ²
Laboratory In Charge	: Dr.Prof.Mr.P.R.Bamane
Laboratory Investment (in Rs.)	: 1056987.85/-
Utilization of Laboratory	:S.Y(Sem- III)

surveying Laboratory provides students with hands-on experience to supplement instruction in surveying courses. The surveying laboratory has a wide variety of modern surveying equipment, such as GPS-based surveying equipment, total stations Digital theodolites, and automatic levels for

basic instructional and research purposes. Student use of the lab is preceded by appropriate safety training and instruction on the use and care for the equipment.



3.Engineering Geology Lab

Area of Laboratory : 68 m²

Laboratory In Charge : Prof.Ms.M.S.Kanase

Laboratory Investment (in Rs.) : 118750/-

Utilization of Laboratory : S.Y (Sem-III)

The identification of different types of rocks and understanding their behavior are the major objectives of geology. Further, development of cracks, fissures in rocks, their causes and their remedies are learnt in this subject.

Engineering Geology Laboratory deals with Engineering Geology subject for second year Civil Engineering students. It has variety of minerals, ores and rock specimen for students to study different types of rocks and minerals and their various identification properties.



4. Concrete Technology Lab

Area of Laboratory	: 128.31m ²
Laboratory In Charge	: Prof.Ms.M.S.Kanase
Laboratory Investment (in Rs.)	: 274320/-
Utilization of Laboratory	: T.Y.(Sem-VI)

Concrete Technology Laboratory provides facilities to conduct all quality control tests on cement, aggregates and concrete (Fresh and hardened). Students learn the standard procedure to test the quality of building materials in line with the corresponding IS codes. In addition to meeting the curriculum and consultancy requirements, the equipment in the laboratory are extensively utilized for projects by students of UG and also by faculty for their research work.



5.Environmental Engineering Lab

Area of Laboratory : 113.05 m²

Laboratory In Charge : Prof.Mr.B.M.Mohite

Laboratory Investment (in Rs.) : 344211/-

Utilization of Laboratory :T.Y.(Sem-V)

The Environmental Engineering Laboratory in the Department of Civil Engineering provides good testing,teaching and research facilities.These laboratories are recently constructed and contain modern analytical instruments and facilities to carry out simple to sophisticated experiments.

The Laboratory has sophisticated equipment to analyze pollution parameters in water and waste water,soil and air.



6.Strenght Of Material Lab

Area of Laboratory : 69 m²

Laboratory In Charge : Dr.Prof.Mr.P.R.Bamane

Laboratory Investment (in Rs.) : 239587/-

Utilization of Laboratory : S.Y. (Sem-II),T.Y.(Sem-V)

Strength of materials laboratory is well equipped with destructive testing machineries. This lab course is offered in the second year for the students from various departments in the school of mechanical Engineering.

Students will be able to understand the theoretical concepts of solid mechanics course and enable them to apply it practically in this laboratory. Different types of tests are conducted in this laboratory as per standards (ASTM and IS) to know the various mechanical properties of a material such as young's modulus, shear modulus, hardness, toughness, deflection, fatigue strength etc.

All the equipments are properly calibrated and tested by the manufacturer in a periodic manner.



