D Y Patil University, Ambi, Pune
School of Engineering and Technology
Department of Civil Engineering

	**Transportation Engineering Laboratory-** The department of Civil Engineering has a well-equipped laboratory of transportation engineering with all the required instruments and equipment that are helpful in the overall understanding and practical knowledge of a student. We have all the instruments such as Marshall Stability. Apart from this we also have enough other instruments such as CBR, Los angles abrasion instrument, etc. We believe in the fact that only bookish knowledge is not enough for the overall understanding of our students. So our pedagogy includes every measure that impacts practical knowledge and carries out all the tests required for complete understanding of the subject.
	**Concrete Technology Laboratory-** The Concrete Technology Laboratory in the department of Civil Engineering at D. Y. Patil University Ambi is one of the best concrete technology laboratories currently existing in India. The laboratory serves a wide spectrum of activities covering those related to teaching, research, development and consultancy. The major activities include experimental studies on different types of materials which are used in concrete and testing of concrete specimens in various exposure conditions. The Concrete technology Laboratory also offers technical services for testing and research on the structural behaviour and properties of materials.

D Y Patil University, Ambi, Pune
School of Engineering and Technology
Department of Civil Engineering

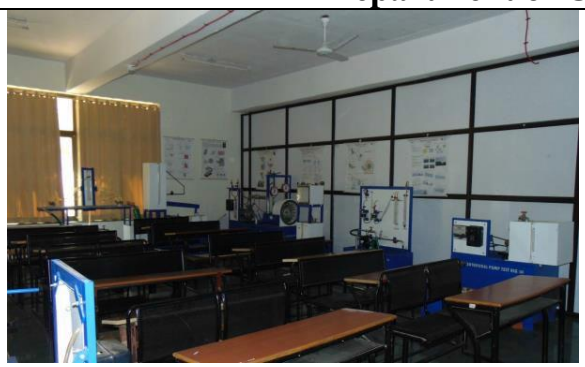
Geotechnical Engineering Laboratory-

The Geotechnical Engineering Laboratory is an integral part of the Department of Civil Engineering at D. Y. Patil University Ambi. Since its inception, all the faculties, students and associated lab staff have actively contributed to its development. The laboratory is equipped to perform all the necessary basic characterization of soils. Geo-technical engineering is the branch of Civil Engineering that deals with the engineering behavior of subsurface materials. It includes Soil Mechanics, which is essential to identify, characterize and study the mechanics of soil/rock and Applied Soil Mechanics, which transfers the behavioral knowledge to practice. This includes investigating existing subsurface conditions and materials; determining their engineering behavior that are important to the project considered and designing the foundations. A typical Geotechnical Engineering laboratory helps in identifying the engineering behavior of soil. Our Geotechnical Engineering Laboratory is well-equipped with equipment for evaluating all engineering properties of soils including index properties, compaction characteristics, consolidation characteristics and shear strength of soils.

D Y Patil University, Ambi, Pune
School of Engineering and Technology
Department of Civil Engineering

	**Environmental Engineering Laboratory-** The Environmental Engineering Laboratory in the Department of Civil Engineering provides good testing, teaching and research facilities. These laboratories contain modern analytical instruments and facilities to carry out simple to sophisticated experiments i.e. Physico-chemical and Biological parameters testing for Water and Wastewater, Air pollutants testing in stack and environment etc. The Laboratory has sophisticated equipment to analyze pollution parameters in water and waste water, soil and air.
	**Surveying Laboratory-** 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. Undergraduate students use the laboratory as an integral part of their surveying coursework. Students' use of the lab is preceded by appropriate safety training and instruction on the use and care for the equipment.

D Y Patil University, Ambi, Pune
School of Engineering and Technology
Department of Civil Engineering



Fluid Mechanics Laboratory-

The Fluid Mechanics Laboratory is an integral part of the D. Y. Patil University Ambi; the facilities are used to offer Fluid Mechanics Laboratory and Fluid Mechanics Theory as well as, to run demonstrative experiments to Civil and Mechanical Engineering students. It covers measuring devices and techniques, error analysis in experimental works and analysis of assumptions in the theory of fluid mechanics.Fluid mechanics laboratory is actively engaged in research in a wide range of topics. The research areas are inspired by practical applications that already exist in a few cases, but also those that are yet to be realized. This lab would provide a framework for conceiving real life systems of remarkable complexity.

D Y Patil University, Ambi, Pune
School of Engineering and Technology
Department of Civil Engineering

	**Engineering Geology Laboratory-** The Engineering Geology Laboratory is an integral part of the Department of Civil Engineering at D. Y. Patil University Ambi. Since its inception, all the faculties, students and associated lab staff have actively contributed to its development. 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 having variety of minerals, ores and rock specimen for students to study different types of rocks and minerals and their various identification properties.
	**Computer Laboratory-** A well-equipped computer lab with advanced facilities is established for the benefit of the Civil Engineering students. At Computer laboratory, students get professional training on 2D & 3D drafting of Civil Engineering drawings using the latest version of drafting software. Students learn computer aided design layout. Students also gain the knowledge of design and drafting needed for Civil Engineering discipline.