

DEPARTMENT VISION	INSTITUTION VISION
The Department of Civil Engineering strives to graduate highly qualified engineers, maintain nationally recognized research and provide quality professional and community service to the society.	To emerge as a premier institution in the field of technical education and research in the state and as a home for holistic development of the students and contribute to the advancement of society and the region.

DEPARTMENT MISSION	INSTITUTION MISSION
<ul style="list-style-type: none"> <li>• To enhance quality of the program by creating an environment conducive for innovative teaching and learning.</li> <li>• To generate research opportunities that creates synergy among faculty, students, and practicing professionals.</li> <li>• To work in conjunction with other departments in the institution to provide multidisciplinary opportunities for both students and faculty.</li> <li>• To contribute for the improvement in the quality of life in society through innovation, sharing, and use of knowledge.</li> </ul>	To provide high quality technical education through a creative balance of academic and industry oriented learning; to create an inspiring environment of scholarship and research; to instill high levels of academic and professional discipline; and to establish standards that inculcate ethical and moral values that contribute to growth in career and development of society in general.

### Course Learning Objectives:

The objective of this course is:

1. To enable the student to determine the index properties of the soil and classify it.
2. To impart the concept of seepage of water through soils and determine the discharge of water through soils.
3. To impart the principles of compaction and consolidation of soils and determine the magnitude and the rate of consolidation settlement.
4. To enable the student to understand the concept of shear strength of soils, determine the shear parameters of sands and clays and the areas of their application.

### Course Outcomes:

Upon the successful completion of this course

1. The student will know the definition of the various quantities related to soil mechanics and establish their inter-relationships.
2. The student can perform different methods of determination of the various index properties of the soils and classify the soils.
3. The student will know the importance of the different engineering properties of the soil such as compaction, permeability, consolidation and shear strength and determine them in the laboratory.
4. The student can apply the above concepts in day-to-day civil engineering practice.