

<b>DEPARTMENT VISION</b>	<b>INSTITUTION VISION</b>
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.

<b>DEPARTMENT MISSION</b>	<b>INSTITUTION MISSION</b>
<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>	<p>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.</p>

#### Course objectives:

The objective of the teacher is to impart knowledge and abilities to the students to:

1. Classify the different types of dams.
2. Calculate the forces acting on the gravity dams and earthdams.
3. Design of spillways, weirs on permeable foundations and vertical drop weir.
4. Describe the various types of cross drainage works and components of river training works.
5. Memorize the hydropower development in India and components of hydropowerstation.

#### Course outcomes:

After end of the course the student can be able to get the following.

1. Different types of dams in India and their functions.
2. Analyze the gravity dams and earth dams subjected to various forces acting on them.
3. Design of spillways and diversion head works.
4. Various types of Cross drainage works and components of river training works.
5. Hydropower development in India and components of hydropower stations.