



GUJARAT TECHNOLOGICAL UNIVERSITY

Bachelor of Engineering (Part time)

Subject code : 2980601

Semester – VIII

Subject Name: Project

Type of course: Project work, seminar and internship in industry

Prerequisite: Civil engineering courses (Basic science, Engineering Science and core courses) and Effective Technical Communication.

Rationale: Industrial training or Project work is an effective way to transfer the theoretical knowledge gained within the classroom to the real field application. It will provide a platform for the students to get a close glimpse about the functioning of the industry and how real-life challenges are solved in the domain of Civil and Infrastructure Engineering giving them practical exposure. Thus, the Industrial training or Project work will equip them with skill-sets which is essential from the perspective of employability as well.

Teaching and Examination Scheme:

Teaching Scheme			Credits C	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
			ESE (E)	PA (M)	ESE (V)	PA (I)		
0	0	28	14	0	0	100	100	200

Content:

Final semester of Civil and Infrastructure Engineering is dedicated to Major project work or Industrial Training

Major project work:

The deliverables expected from the students are:

- Report the State-of-the-art review pertaining to the project and identify the gap in the literature.
- Define the problem statement clearly.
- Identify the possible approach for the solution and fix the methodology to be used.
- Carry out analysis (data collection, experiments, simulations).
- Report the results and validate them.
- Report the practical difficulties and limitation of the methodology used, if any.
- Compare the results with alternate study.
- Report the usefulness/novelty of the project work.
- Future scope of the project work and conclusion.
- Prepare project report and present the work before department project committee.
- Intermediate and final seminar in presence of department project committee for review of the work done
- To explore possibilities of patent or research paper publications



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Course Outcomes:

Sr. No.	CO statement	Marks % weightage
CO-1	Undertake problem identification and formulation. Derive feasibility, viability and sustainability of suitable solution.	40%
CO-2	Design engineering solutions to complex problems utilising a systematic approach and team work	30%
CO-3	Communicate with engineers and the community at large in written and oral forms	15%
CO-4	Develop project management skills	15%

Reference:

- AICTE Model curriculum
- AICTE Internship Policy:

<https://www.aicte-india.org/sites/default/files/AICTE%20Internship%20Policy.pdf>