Faculty of Engineering and Technology

Bachelor of Technology

Effective from Academic Year: 2019-20

Branch Name:	Civil Engineering
Semester/Year:	Semester VII / Forth Year
Subject Title:	Minor Project
Subject Code:	1ET1060709
Pre-requisite:	Fundamental and Practical Knowledge of Civil Engineering

These guidelines for successful completion of B.Tech. Projects are to facilitate in effective and uniform regulation of projects being carried out by undergraduate students in 7th/8th semester. All B.Tech final year students are required to go for minor and major project work as a compulsory component of their course curriculum. Students cannot merge Minor project (7th semester) and Major Project (8th Semester) however in certain cases they may continue their project work in final semester upon recommendation of concerned.

Course Objectives:

To obtain hands-on experience in converting a small novel idea / technique into a working model/prototype involving multi-disciplinary skills and/or knowledge and working in a team. (Development of prototype Design / Product / Hardware / software / 3D-Model / Simulation / Coding / Blueprint for a larger project and any other development work (except study project) are permitted.)

Teaching Scheme (Hours per week)				**Evaluation Scheme (Marks)**				
				Theory (Marks)		**Practical (Marks)**		
Lecture (L)	**Tutorial (T)**	**Practical (P)**	**Credit**	**University Assessment**	**Continuous Assessment**	**University Assessment**	**Continuous Assessment**	**Total (Marks)**
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1. Formation of Project Groups:

In order to ensure participation of each student, the team size should preferably be 3 and not more than 5 students. Project group formation must be carried out within 10 days of the starting of the Term.

Department will designate one faculty member as the Project Coordinator who will take care of all activities pertaining to project work and keep all records.

2. Assigning Faculty Supervisors:

Faculty supervisor/Project Guide must be assigned to each project group.

3. Project Monitoring:

The B.Tech. project work activity being spread over one semester needs regular monitoring. Predefine schedule of the project work related activities is desirable to ensure continuous monitoring/progress of the project work.

First Presentation: First presentation related to identification of the work / project to be carried out must be completed within two weeks after project group formation. For this brief power point presentation of tentative topic, proposed work and methodology to be adopted for carrying out the project may be done in the department/industry in the presence of faculty member/industry guide involved. This presentation should specifically include a work plan chart for the proposed work. The faculty members will approve the topic and give suggestions/modifications/comments, if any.

Mid Semester Presentation: Second presentation for reviewing the progress may be held after about four weeks from the date of first presentation. In the second presentation, students should be asked to make power point presentation of the progress made till date.

Final Presentation: Final presentation of the minor project work must be before the academic term end. In this presentation, students should be asked to make power point presentation of the work completed during the whole semester and also demonstrate the working model of project.

The evaluation for this presentation should be made by the Project Evaluation Committee (PEC) comprising of Project Coordinator and Faculty supervisors / Project Guide of the department.

Continuous assessment would be on the basis of continuous evaluation during the semester. Two copies of the project report certified by the Faculty supervisor/Project Guide shall be submitted to the Department. The format of report can be downloaded from the website.

Presentation	**Assessment**	**Continuous Assessment (Marks)**
First Presentation	• Project identification • Objective and methodology • Expected outcome of the proposed work	05
Mid Semester Presentation	• Presentation of the proposed work design • Implementation • Partial results and demonstration	10
Final Presentation	• Presentation of complete project work with results and discussion. • Demonstration of project work	15
Minor Project Report		10
Total Marks		40

University Assessment will be carried out by the panel of examiners including external examiner. Students need to demonstrate the project work carried out during whole semester including project report.

Course Outcome:

(1) To conceptualise a novel idea / technique into a design/Model/Product

(2) Apply the acquired knowledge to carry out a capstone project having substantial multidisciplinary component.

(3) To understand the management techniques of implementing a project.

(4) To take on the challenges of teamwork, prepare a presentation in a professional manner, and document all aspects of design work.