

DISCIPLINE SPECIFIC ELECTIVE COURSE – DSE 3B Minor project - 1

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
Minor Project- 1	4	0	0	4	Class XII Pass	NIL

Learning Objectives

The students will undergo one semester of project work based on the concepts studied in a subject of their choice. The objective is to train the students for the industry by exposing them to prototype development of real-life software.

Learning Outcomes

On successful completion of this course, a student will be able to:

1. Develop a project plan based on the informal description of the project.
2. Implement the project as a team.
3. Write a report on the project work carried out by the team and defend the work done by the team collectively.
4. Present the work done by the team to the evaluation committee.

Each student shall carry out a minor project in the fifth semester. The students will work on any project based on the concepts studied in core/elective/skill-based elective courses. Specifically, the project could be a research study or a software development project.

In case the student is opting for the research project, students are required to select a relevant topic and carry out a detailed literature review followed by a critical analysis or implementation. The conclusions drawn from the analysis/ implementation must also be brought out in the form of a research paper.

PROJECT GROUP ORGANIZATION/PLAN

- Students will initially prepare a synopsis (500 words) and submit it to their respective department/supervisor. Only after obtaining the approval of supervisor, the student can initiate the Project work.
- For a given project, the group size could be a maximum of four (04) students.
- Each group will be assigned a teacher as a supervisor who will be responsible for their lab classes.
- A maximum of four (04) projects would be assigned to one teacher.

PROJECT EVALUATION

The project will be evaluated as follows:

(a) Mid-semester evaluation **25% weightage**

(b) End-semester evaluation

(i) External Examination **50% weightage**

Thesis/Project report - 25% of total marks.

Software Coding i) Documentation - 10% of total marks.

ii) Software - 15% of total marks.

(ii) Viva-voce **25% weightage**

- Practical/discussion sessions based on the area of the project. Work carried out in each lab session will be assessed out of five marks (zero for being absent). Finally, the marks obtained will be scaled out of a maximum marks of mid-semester evaluation (i.e. 25% of total marks).
- The **end-semester evaluation marks** to be awarded jointly by the examiner and supervisor / mentor.
- The **Mid-semester evaluation** to be awarded by the supervisor/mentor. Work carried out in each lab session will be assessed.

- The students will submit both the soft copy and the hard copy of thereport.
- The reports may be retained by the examiners.

PROJECT REPORT

- Two copies of the Project Report certified by the supervisor shall be submitted to the Department.
- The format of report can be downloaded from the website/guide/ coordinator.