

Course code: CS-632 T

Total Credit: 2

Periods: 3 per week (50 Minutes each)

DSE-3B(2)

Course Title: Major Project

Marks: 50 (UA: 40 + IA: 10)

Pre-requisites : Software Engineering, Programming / Coding language, RDBMS etc

Learning OBJECTIVES:

- To solve industrial (or society or research) problems.
- To plan, schedule, and monitor the software project
- Development, coding, and testing of a large project cohesively.
- Documentation of project

Learning OUTCOMES:

Accomplishments of the student after completing the course:

- Doing the project will enable the student to go through rich experience in developing large projects. Such an experience will include encountering various technical issues, finding sources to resolve the issues and finally finding the solution of all these issues satisfactorily.
- Thinking analytically, analyzing, and synthesizing requirements and complicated information for getting a good comprehension of the solution methodology to be adopted.
- Ability to document and write well.
- It will prepare the students for analyzing and programming for industrial problem and large projects work in future.

Course Outline

Guidelines for Project

- It is recommended that the team should be about 2-3 students.
- The project should be free from plagiarism of any kind.
- Internal guides (i.e. The regular faculty members) must be allocated to projects.
- Project plan along with the division of work amongst teammates would have been prepared and got approved within a maximum of 5 days of the start of the project.
- Coding standards should be followed meticulously. At the minimum, the code should be self documented, modular, and should use the meaningful naming convention.
- It is advisable that object-oriented methodology is used with the reusability of classes and code, etc..
- The output reports must include MIS reports, if applicable.
- The documentation should include a chapter on “Learning during Project Work”, i.e. “Experience of Journey during Project Duration”.
- It is strongly recommended that Data structure/Database design is included in the report. At least portions of code (preferably full code) are mandatory. The student may be asked to write the code related to the project during the examination.
- If a student is compelled to follow certain instructions (by the external, i.e. organization’s Guide) which he/she does not agree to, such a student must prepare a supplementary report to document his/her version and present it to the examiners if such a need arises.
- Internal guides (i.e. The regular faculty members) must devote the time allocated as per the timetable to guide the students for the project. The time allocation will be in accordance with the scheme for the 6th semester project as given.
- Internal guides should preferably visit external guide to track the project
- Project document should be printed on both sides of paper.
- Students are expected to upload project work on given web site as project repository of the department/institution.