

PRJ 351 Project III



Course Objectives:

The goal of the project work is to provide the students with an opportunity to experience the demands and solving real-world problems. During the course, students have to design and complete a Functional project which should require integration of various course concepts based on any of the computer core areas covered in the syllabus or from the management areas subject to the approval of Project Committee. Students will develop various skills related to project management like teamwork, resource management, documentation and time management to develop effective and efficient software.

Project Work Need to be Conducted Based on Following Guidelines:

Unit I: Group Formation:

1. Not exceeding 4 persons per group

Unit II: Proposal Defence:

The first stage is worth 10% of the grade and the grading shall be based on the following:

1. Specification (Define the Problem)
2. Project plan (Draw up a project plan identifying the different components)

3. The overall budget

Unit III: Development Stage (Work Performed):

The second stage is worth 50% of the overall grade which is evaluated as follows:

1. System design (if applicable)
2. The thoroughness of the work done
3. Familiarity with other work in the field
4. Ability to critically evaluate the work of others
5. Understanding of methods used in the project
6. Amount of work performed, Significance of the work performed
7. Level of achievement with respect to the degree of difficulty
8. Correctness
9. Ability to identify problem areas and suggest appropriate solutions
10. Ability to work with others
11. Project management skills

Unit IV: Reporting Stage:

1. Documentation (20%):

This criterion evaluates the final document presented. This includes the final project report including journals of the student's experiences during the project, the programmer's manual, the user's manual, the source code listings, and data used for program verification, validation and output. It consists of 20% of the total marks. In particular, the following points are evaluated:

1. Report organization (systematic and logical), Text formatting style (clarity and conciseness), Completeness of the report
2. Readability of manuals
3. Readability of programs
4. Organization and analysis of data and output

2. Presentation (20%):

At the end of the semester, the students will have to give a presentation. The students must present their work in the presence of external examiners (all students must attend

all presentations). This criterion evaluates the ability of the student in presenting his/her work to other people. It consists of 20% of the total marks. In particular, the following points are evaluated:

1. Organization and smartness of appearance of presenters
2. Delivery
3. Clarity
4. Content
5. Ability to answer questions
6. Demonstration of the system
7. Application of audio-visual aids

