GUJARAT UNIVERSITY
K. S. SCHOOL OF BUSINESS MANAGEMENT
[Five Years' (Full-time) Integrated Degree Course]

Sixth Semester M.Sc. (CA & IT)

Subject Code: - KS_C_CC -368
Subject Name: - Software Project Development - II
Course Credit: - 5

Objective:
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. Prepare documentation of the project.

Course Contents:
1. Include expert comment during 5th semester on System Design
2. Writing code for the project
3. Doing testing of the code

Deliverables by the students:

At the end of the semester, the student should be able to successfully develop the project and prepare the documentation (hard copy) as well as presentation of the project details.

☐ **Documentation:**

- Students should submit latest work of SDP-I along with SDP of 6th semester in single hard copy.

  A hard copy of the documentation should consist of the additional following details:
  - ☐ Cover Page
  - ☐ Company Certificate
  - ☐ College Certificate
  - ☐ Acknowledgement
  - ☐ Index (with page nos.)
  - ☐ Screen layouts
  - ☐ Report layouts
  - ☐ Sample coding (optional)
  - ☐ Future Enhancements (optional)
  - ☐ Conclusion
  - ☐ Bibliography

Presentation:
- Presentations can be prepared through slides using Open Source / Power Point / Flash or any other multimedia tool, covering the work shown in the documentation.
- During viva exams, students will be expected to satisfactorily answer the questions pertaining to the tools used, the process, the reports /forms created and the results achieved.

Guidelines
1. The project definition should be finalized during 5th semester from industry clusters. Any 'good' internal definition having a high application potential will also be acceptable.
2. It is recommended that the team should be of 2-3 students.
3. Project plan along with the division of work amongst teammates should be prepared and get it approved within a maximum of 15 days from the start of the project.
4. Coding standards should be followed meticulously. At the minimum, the code should be self documented, modular, and should use the meaningful naming convention.
5. It is advisable that object-oriented methodology is used with reusability of classes and code, etc.
6. The output reports must include MIS reports, if applicable.
7. The documentation should include a chapter on "Learning during Project Work", i.e. "Experience of Journey during Project Duration".
8. Data Dictionary if required. At least executable code is mandatory. Student may be asked to write the code related to the project during evaluation.
9. 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.
10. Group wise internal guides (i.e. the faculty members) devote the time to guide the students for the project.

Accomplishments of the student after completing the course:
1. 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.
2. Thinking analytically, analyzing and synthesizing requirements and complicated information for getting a good comprehension of the solution methodology to be adopted.
3. Ability to document and write well.
4. Organizing the time effectively.
5. Working with teammates and generating substantial output of the efforts.
6. It will prepare the students for analyzing and programming for industrial problem and large projects work in future.