GUJARAT UNIVERSITY

K. S. SCHOOL OF BUSINESS MANAGEMENT

M.Sc. IN COMPUTER APPLICATIONS AND INFORMATION TECHNOLOGY

[Five Years' (Full-time) Integrated Degree Course]

Fifth Semester M.Sc. (CA & IT)

KS_C_CC -368 Software Development

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5 credit course

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, Documentation of project

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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 is mandatory. 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.