

Details of the Semester project and proposal

This document describes semester project for the course of Software Requirements Engineering. Students should work on a project in teams of 3 students. The objective of the project is to take the knowledge and background that you are learning this semester and put it to good use in a novel and creative way.

You will have five main milestones or deliverables.

1. You must form your team and settle on a topic, and prepare a project proposal.
2. You need to get approval for your project proposal.
3. Once the proposal gets accepted you need to start working on your project step by step to generate a complete Software Requirements Specification (SRS) document.
4. You will give a demonstration of your project to the instructor and TA during the last week of classes. Therefore, you need to prepare a power point presentation to describe you project.
5. Finally, you must have to submit complete report (SRS document).

You need to generate requirements document for the following three types of software systems:

- Web based application
- Mobile application
- Gaming application

Proposal:

The proposal should contain:

1. Project Title
 2. Introduction:
 - a. Purpose
 - b. Intended audience
 - c. Product scope
 3. A short literature review about the similar/related projects.
 4. The requirements engineering process using which you will develop requirements document.
 5. Software process model that is suitable for the development of the software project.
 6. A clear justification for 3 and 4.
 7. A schedule/timeline for executing activities in the requirements engineering process.
 8. Identify at-least 10 user groups/stakeholders for your project about which you are going to elicit requirements, and also define their roles.
 9. List at-least 5 tools for software requirements management.
- Plagiarism is not allowed at all, if plagiarism is found in any proposal or project report then
 - students will get zero score. The group leader will submit the proposal, project report. Individual submissions are not required. Cross section groups are not allowed as well.

- Individual group member participation is highly required. Therefore, you must need to reflect the
- contribution of each group member in your proposal and project report.
- Remember to mention the Ids and names of each group member and the title of your project in the proposal and final report.

Note:

- ❖ **Student will get bonus marks for developing a working product for the proposed project.**
- ❖ **Proposal should not exceed more than two pages.**
- ❖ **Deadline to submit your proposal 10th September 2023, 11:59 PM.**