SCS2202/IS2102 - Group Project I
2020
Project Proposal Guidelines

Group members (including supervisor) have to discuss and find out a real-world problem in order to propose a software solution. The supervisor and members of the group should ensure the proposal covers substantial scope. Scope of the proposed project is one of the key areas that will be evaluated. Thus, failure to cover sufficient scope will result in revising the project proposal. Also it is important to ensure the selected project has sufficient space to apply,

- System analysis and design techniques
- Appropriate programming languages for system development
- Database design and implementation concepts with applicable database management system
- Proper software development methodology and its phases with essential tools and techniques

Details of Project Supervisor, Co-supervisor, Advisors and Clients

Proposed Project Supervisor (Academic Staff of UCSC):

Name of the supervisor:

Signature of the supervisor:

Date:

Proposed Project Co-Supervisor (Assigned by Course Coordinator):

Name of the co-supervisor:

Signature of the co-supervisor:

Date:
The client of the Project (If applicable, otherwise supervisor will be considered as the client)

Name of the client:

Address of the client:

Contact person at client:

Contact number of the contact person:

e-mail address of the contact person:

Project Proposal Template

Font - Times New roman
Main headings font size - 18

Sub headings font size - 16
Other headings (optional) - 14
Normal text font size - 12
Page Margins - top,right,bottom - 2cm
              Left - 3 cm

01) Introduction to Project.

A brief introduction to the project should be provided in this section. It should properly describe the project. You could also include the personal motivations to undertake the project.

02) Project Goal.

In this section you have to indicate the desired outcome of the project. The things that have to be accomplished at the end of the project.

03) Scope of the project.

In this section you have to describe what will be done as a part of the project. It is better to briefly indicate what will not be covered in order to identify the clear boundaries of the scope.

04) Objectives of the project.

The things that you are going to achieve at the end of the project are stated in this section.you have to provide a clear picture of the work that needs to be done.

05) Project Feasibility.

In this section identify and categorize different resources required to carry out the project.it is better to find out the feasibility of obtaining those resources to carry out the project within the given time frame.(Technical,schedule,resource,ethical and legal, etc)

06) Deliverables of the project.

The items that you would deliver to the client at the end of the project are stated under this section. Eg: the working system, user documentations etc.

07) Project Constraints and Assumptions

With any project, there are limitations and risks that need to be taken into account and addressed to ensure the project's ultimate success. In this section you have to clearly indicate all the constraints related to the project you have selected.
Eg: In a staff management system, It is not allowed to request contiguous leaves.
    In a Bank application, there should be a maximum withdrawal amount etc
You should be clear on the assumptions of your project. (Technology, Finance, Resources)
Eg: In the case of a report generation, It is assumed that all the members are available in the DB.

08) Requirements.

In this section you have to clearly identify and indicate the conditions and tasks that must be completed to ensure the successful completion of the project that you have selected.

8.1) Functional Requirements.

The product features or functions that developers must implement to enable users to accomplish their tasks. You have to include the following diagrams into your report..

1. Component Diagram
2. Use Case Diagram
3. Activity Diagram

In use case identification, you should be able to point out the system actors, use case diagrams and use case descriptions. Each use case should have its corresponding activity diagram.

8.2) Quality attributes Requirements.

Quality attributes of the software under development and how you are planning to achieve them in your system.

09) Technologies to be used.

In this section you have to mention all the technologies that you are going to be used throughout the development and evaluation stages of the project.

10) Project timeline.

This is a group project where all members are supposed to contribute equally as well as in the best possible way to make it a successful project. The project has the start time and end time within which it will be completed. There will be several milestones to be achieved in order to complete the work task within the time frame. Develop the work breakdown structure with the timeframe and milestones.if possible develop a Gantt chart.covering the system development, system documentation and project evaluation. The timeline has to be matched with the development model that you have selected.

11) Declaration

The project proposal is a contract between students who will undertake the project and Supervisors who will supervise and coordinate this course module.Hence, all members of the project team should declare their willingness and readiness to carry out the project in their best within the rules, regulations and code of ethics for this course.

We as members of the project titled _____, Certify that we will carry out this project according to the guidelines provided by the coordinators and supervisors of the course as well as we will not incorporate, without acknowledgement, any material previously submitted for a degree or diploma in any university. To the best of our knowledge and brief, the project work will not contain any material previously published or written by another person or ourselves except where due reference is made in the text of appropriate places

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