

SOFTWARE ENGINEERING PROJECT PROPOSAL

Note: Students are required to give a brief account of their proposed project

Project Title			
Abstract			
	Roll No.	Name	Signature
Group Members	1.		
	2.		
	3.		
	4.		
Tools to be used			

Date of submission:

Approved by

Theory Class Teacher

Points to Remember:

- Last date of submission of SE Project Proposal is Monday 07th November, 2022 to **Research** Lab Staff.
- Number of students in a group should be in the range of *three to four*. [Already discussed in class]
- All members of group must be from same practical group. [Already discussed in class]
- Mention all modeling, designing, development and testing tools. Its mandatory to use database in projects, it is required to identify both front-end and back-end tools.
- In case of rejection of proposal twice, that group will be assigned ***any mini project*** by the course instructors and deduction in sessional marks would be the penalty.
- Only a single group can work on a particular project idea. In case of tie, first come first serve policy will be adopted. (*Group that submitted their proposal first will win!*)

SOFTWARE ENGINEERING PROJECT PROPOSAL
(SAMPLE)

Project Title	HOSPITAL INFORMATION SYSTEM		
Abstract	This project will involve developing a database to store information about patients, doctors, medicines, hospital departments and other facilities available. This will help in managing the patients, doctors and hospital facilities. It will include patient appointment, patient category, history, visits and billing; doctor availability, experience, field of specialization and salaries. Moreover, it would also provide information about different department in the hospital.		
	Roll No.	Name	Signature
Group Members	1.		
	2.		
	3.		
	4.		
Tools to be used	FRONT END : C#.NET BACK END : ORACLE 9i DESIGN OF SOFTWARE: MS VISIO, RATIONAL ROSE		

Date of submission: 07-11-2022

Reviewed by

Approved by

Practical Class Teacher

Theory Class Teacher

LIST OF SOFTWARE PROJECTS

Following are some ideas for the development of projects as a partial requirement of the Software Engineering Course. However, the choices are not limited to the following and students are welcome to bring more challenging and innovative ideas.

SN	Title	Details
1.	Simulator <ul style="list-style-type: none">○ Electric/electronic Circuit Simulator○ Microprocessor/microcontroller simulator○ Chemical process simulation○ Refrigeration process simulation	To learn/study the functionality of some real world process, device or machine on computer by entering necessary data and parameters.
2.	Cross-Assembler For microcontrollers and microprocessors	To assemble the programs of architecture other than the executing platform.
3.	Computer-Aided Designing	To aid in the designing of any engineering project (electronic, electrical, mechanical system)
4.	Word processor	Besides providing normal features of WP, should include spelling and grammar checking.
5.	Statistical Package	Solving statistical problems by accepting data and generating graphs and charts.
6.	Image Processing Application	Image filtering, matching, image editing and other standard image processing function.
7.	Time table generator	Scheduling classes of teachers by avoiding clashes and attaining optimum allocation of human resource.
8.	Desktop publishing System	Editing/publishing of newspapers & magazines.
9.	Games	Professional knowledge of game development is needed to be acquired.
10.	Medical Appointment Scheduler	There should be an upper limit of no. of patients and operations performed (daily) by doctor and surgeons. Software should intend to enforce all the limits while scheduling appointments through hospital website.
11.	Expert System	An intelligent software system to guide user decision making in some specialized domain like insurance, health care, automobile repair etc.
12.	Utilities	OS, DBMS or networking based utilities for compression/decompression, backup/recovery, Memory management, Anti Virus etc

LIST OF SOFTWARE ENGINEERING PROJECTS DEVELOPED BY **PREVIOUS BATCH**

- Import & Export Management System
- Hospital Management System
- Vocabulary Builder
- Online Learning Assistant
- Word Processor
- School Management System
- Stenography
- Air Line Reservation System
- The Hungry Bunny
- MEDICAL Appointment Scheduler
- Online Voting System
- Online School Registration
- Employ Performance Appraisal System
- Encryption And De-Cryption
- Online Real Estate Agency
- Messenger
- Compression And De-Compression Utility
- File Editor
- Fashion.Net
- Mobile Market Place
- Word Processor
- Image Editor
- Online Pet Store
- MNU Clinic And Pathological Laboratories Center
- Virtual Examiner
- Online Shopping
- Restaurant Management System
- Event Planner
- Online Shopping “Hyperstar”
- Library Management
- Pak Tours
- Time Table Generator
- School Management System
- Virtual Society Management System
- Ws3 Lounge
- Online Restaurant Ordering System
- Muzikology

**SOFTWARE ENGINEERING (SE) PROJECT DEVELOPMENT –
MILESTONES & DELIVERABLES (*with due dates*)**

Project Proposal	07 th November, 2022 (Monday)
Software Requirement Specification (SRS) & Project Plan	02 nd December, 2022 (Friday)
Design Document	To be announced by Practical Teacher
Formal Technical Reviews (FTR)	To be announced by Practical Teacher
Testing Document & Final Project (<i>in CD</i>)	To be announced by Practical Teacher
Module Distribution Form, core features, working & non-working functionalities details	To be announced by Practical Teacher

Points to Remember:

- The above deadlines involve sufficient margin.
- No consultation (to the teacher) will be allowed on deadline regarding the respective milestone/deliverable.