CSE 221 Software Engineering
Assignement

Project Description

The objective of this assignment is to provide students with an opportunity to understand and apply software project management concepts. Students will be required to create a comprehensive software project management scheme for a hypothetical project of their choice.

Assignment Tasks

Project Initiation

- Define the project scope, including the key features and functionalities.
- Identify the stakeholders and their roles in the project.
- Create a project charter outlining the project's objectives, constraints, assumptions, and success criteria.

Project Planning

- Develop a work breakdown structure (WBS) for the project.
- Create a project schedule using a Gantt chart or a similar tool. Include all major tasks, milestones, and dependencies.
- Estimate the project budget, considering resources, tools.

Team Formation

- Identify the roles and responsibilities of each team member.
- Develop an organizational chart for the project team.

Risk Management

- Identify potential risks that may impact the project.
- Evaluate the likelihood and impact of each risk with probability matrices.
- Develop a risk mitigation plan, including strategies to address high-priority risks.

Development

- Define the development methodology (e.g., Agile, Waterfall, Spiral, Iterative) and justify your choice.
- Break down the development phase into iterations or sprints.

Conclusion

Guidelines

- The assignment should be submitted as a well-organized document.(e.g., MS Word, Google Doc etc.)
- Use appropriate headings and subheadings for each section.
- Include charts, diagrams, or any visual aids to enhance the clarity of your project management scheme.
- Provide justifications for the choices made in each section.