Home Assignment: Software Engineering Project Plan

Assignment Overview

In this assignment, your task is to create a short project plan for your software engineering project. The plan should be structured according to the sections outlined below. You must submit your completed project plan in PDF format to the designated Dropbox on Oma by **25th August**.

Note: Remember to include your group number at the top of your report.

Group 9

Plan Sections

1. Introduction

- Provide a brief overview of the project. This should include:
  - **Project Title**: I-SPY-U
  - **Project Description**: Monitoring of properties or valuables.
  - **Objectives**: A functional and reliable system for sensor management.
  - **Scope**:
    * **Included**:
      · Server for handling sensor data, client UI for representing and managing sensor devices.
    * **Excluded**:
      · Sensor device is currently excluded in the scope for the 4 first sprints.

2. Project Organization

- Describe how your project is organized, including:
  - **Team Structure**:
    * Eino Ruuth: UI
    * Joonas Karppinen: Server
    * Toni Hirvikallio: Client business logic
    * Niko Meriluoto: DB
  - **Communication Plan**: We will How and when the team will communicate.
  - **Stakeholder Involvement**: Who the stakeholders are and how they will be engaged.

3. Risk Analysis

- Identify potential risks that could affect the project, including:
  - **Risk Description**: A brief description of each risk.

- **Likelihood**: The probability of the risk occurring (high, medium, low).
- **Impact**: The potential impact on the project if the risk occurs (high, medium, low).
- **Mitigation Strategies**: Actions you will take to reduce or manage the risks.

4. **Hardware and Software Resource Requirements**

- List the hardware and software resources required for the project, including:
    - **Hardware**: Any physical devices or infrastructure needed.
    - **Software**: Any development tools, platforms, or libraries required.

5. **Work Breakdown**

- Provide a work breakdown structure (WBS) that outlines the tasks necessary to complete the project, including:
    - **Task Description**: A brief description of each task.
    - **Dependencies**: Any dependencies between tasks.
    - **Team Member Assignment**: Who is responsible for each task.

6. **Project Schedule**

- Develop a project schedule that includes:
    - **Timeline**: Key phases of the project (e.g., requirement gathering, design, development, testing, deployment).
    - **Milestones**: Important deadlines and checkpoints.
    - **Gantt Chart or Timeline**: Visual representation of the schedule (optional but recommended).

7. **Monitoring and Reporting Mechanisms**

- Describe how you will monitor progress and report on the project's status, including:
    - **Progress Tracking**: How you will track the completion of tasks and milestones.
    - **Reporting**: How and when updates will be provided to stakeholders and team members (e.g., weekly reports, meetings).

Submission Guidelines

- **Format**: The report should be well-structured and submitted as a PDF.
- **Length**: Aim to keep the report concise and to the point.
- **Submission**: Submit your project plan in the designated Dropbox on Oma by **25th August**.

Evaluation Criteria

Your project plan will be evaluated based on: - **Clarity and Structure**: How well-organized and clear the report is. - **Comprehensive Coverage**: The completeness of each section. - **Feasibility and Realism**: How realistic and achievable the plan is. - **Risk Awareness**: How well potential risks are identified and managed. - **Adherence to Guidelines**: Whether the plan is submitted on time and follows the required format.

Good luck with your assignment! If you have any questions, feel free to reach out for clarification.