Learning Journal 2

Student Name: Saranraj Sivakumar

Course: SOEN 6481- Software Project Management

Journal URL: [https://github.com/Saranraj-Sivakumar/SOEN-6481-Software-Project-Management.git]

Dates Rage of activities: 25 January 2025 to 08 February 2025

Date of the journal: 08 February 2025

Key Concepts Learned:	**Application in Real Projects:**	**Peer Interactions:**	**Challenges Faced:**	**Personal development activities:**	**Goals for the Next Week:**
During the last class, chapters 5 and 6 were covered. Configuration Management **(CM):** Covers configuration identification, control, status accounting, and audits. Ensures software consistency and prevents deployment failures. Understanding version control vs. CM was crucial for large-scale software development.	**Project Closure Best Practices:** Analyzed case studies from the NASA Apollo Program and Google Lens. Explored structured documentation, stakeholder handovers, and resource deallocation. Poor closure documentation leads to inefficiencies and repeated mistakes in future projects. Applied best practices for ensuring project sustainability post-closure.	**Course Project – Localized Disaster Volunteer Coordination Platform:** Contributed to Project Initiation and Market Analysis. Discussed project scope, stakeholders, and market demand. Used scheduling tools like Gantt and PERT charts to improve planning. Peer collaboration improved the project approach.	**Understand-ing CM Application:** Initially confused version control with full-scale CM. Researching CM strategies in large projects clarified its importance beyond just code management. Applied CM principles to maintain consistency in documentation and versioning.	**Regular Presentation Practice:** Focused on structured delivery, voice modulation, and engaging an audience. Implemented feedback from peers to refine content delivery and timing. Practiced improving clarity in technical explanations.	**Complete Chapters 5 & 6:** Review CM and project planning to strengthen understanding before the midterm.
Project Planning & Scheduling: Work Breakdown Structure (WBS) helps decompose projects into manageable tasks. Gantt Charts and PERT Charts were	**Market Analysis & Scheduling:** Defined the project charter, conducted competitor analysis, and applied scheduling techniques to enhance efficiency. Balancing stakeholder needs was a challenge—government agencies required	**Presentation on Project Closure:** Received peer feedback on structured project closure and its impact on risk reduction. Learned about scope creep issues from peers' project	**Risk Assessment Complexity:** Struggled with prioritizing risks in our project. Created a risk matrix to categorize and mitigate potential threats effectively. Applied learned	**Self-Study on Project Scheduling:** Practiced using scheduling tools (Gantt & PERT) to improve planning efficiency and task estimation. Applied concepts in project discussions to ensure clear execution	**Prepare for Project Pitch on Feb 13:** Finalize problem statement, highlight unique solution features, and prepare responses for potential questions.

discussed in class for effective scheduling. Risk management ensures uncertainties are mitigated early in project execution.	compliance, while volunteers needed flexibility. Created a structured timeline to align project deliverables with real-world constraints.	experiences. Clarified best practices for transitioning project phases. Discussed phased rollouts and user transition strategies	strategies to refine risk management planning. Integrated quantitative risk assessment models.	strategies. Explored advanced scheduling optimizations.	
Effort and Cost Estimation & Risk Management Strategies: Read Book Chapters 3 and 4, which covered COCOMO and Function Point Analysis for effort estimation. These models help in accurate project cost prediction and resource planning. Also studied risk identification and prioritization, ensuring projects have proactive mitigation plans. Risk Management strategies contribute to project stability by reducing uncertainty. Explored trade-offs between estimation accuracy and project flexibility.	**Implementation of Risk Management in Projects:** Applied risk prioritization techniques to our course project. Identified high-risk factors affecting project feasibility and usability. Created mitigation plans to ensure smooth implementation.	**Risk Management Planning:** Group discussions helped refine risk prioritization strategies. Addressed concerns about project scalability and usability based on peer insights. Incorporated industry-standard risk tracking methods.	**Improving Presentation Confidence:** Engaging with peers to practice structured delivery. Received constructive criticism to refine content, pacing, and clarity. Practiced answering potential questions confidently and concisely	**Team-Based Learning:** Collaborated with peers to develop project scope and refine risk management strategies based on feedback. Strengthened teamwork and problem-solving skills. Applied feedback to iterate on project development plans.	**Revise Covered Concepts for Midterm:** Focus on risk management, scheduling, project closure best practices, and CM application to solidify understanding.