Learning Journal Template

Student Name: Ujas Bhuva

Course: Software Project Management (SOEN 6841)

Journal URL: https://github.com/ujasbhuva/SOEN6841_SPM

Dates Rage of activities: 23rd September 2024 to 4th October 2024

Date of the journal: 5th October 2024

Key Concepts Learned	Application in Real Projects	Peer Interactions	Challenges Faced	Personal development activities	Goals for the Next Week
Effort & Cost Estimation: Techniques such as Estimation by Analogy, Expert Judgment, and COCOMO models help in predicting the resources, effort, and cost needed for a software project. **Risk Management:** Understanding how to identify, analyze, and prioritize risks is essential for avoiding project failures. The four main risk response strategies-acceptance, avoidance, mitigation, and	I can see the application of COCOMO and Expert Judgment in real projects where precise estimation of timelines and resources is critical. For example, a past project I worked on could have benefited from risk prioritization to ensure focus on high-impact risks. In future projects, I'll apply Configuration Management techniques to prevent issues like scope creep	I discussed the risk management strategies with peers in a group study session, where we debated the pros and cons of **ri**sk transference versus mitigation. This helped me understand how different teams may prefer one strategy over another depending on project size and constraints.	Effort Estimation was particularly challenging. The variability in staff skill levels and project complexity makes it difficult to apply these models universally. Also, estimating effort for machine learning projects, as mentioned in the material, can be tough due to the fast-evolving nature of this field. I also struggled with grasping	This week I watched several videos on **Agile Risk Management** , which helped me link what I learned in the chapter to real-world agile project management practices. I also started practicing estimation techniques with small personal project examples, using **Estimation by Analogy** to better understand how previous projects inform future estimates.	I plan to focus on practicing qualitative and quantitative risk analysis, applying it to mock project scenarios. I aim to create a mini-project where I can apply the COCOMO II model to estimate resources and cost, using actual project data. I will organize a group study session to practice the Wideband Delphi method, ensuring we can reach a consensus on project

transference-offer practical ways to handle different types of risks	and uncontrolled changes in code versions.		how to perform risk analysis quantitatively. Understanding the exact probability and impact of risks requires a lot of experience, which I still need to develop.		estimation as a team.
Configuration Management: CM ensures that changes in software projects are tracked and controlled. It involves key functions like configuration identification, control, status accounting, and auditing, which help maintain the integrity of the system.					