**Learning Journal 2**

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**Course:** SOEN 6841- SOFTWARE PROJECT MANAGEMENT

**Journal URL:** <https://github.com/susmitha810/SOEN6841>

**Dates Rage of activities:** 16th September 2024 to 4th October 2024

**Date of the journal:** 27th September 2024 and 4th October 2024

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| **Key Concepts Learned:** | **Application in Real Projects:** | **Peer Interactions:** | **Challenges Faced:** | **Personal development activities:** | **Goals for the Next Week:** |
| • Learned to identify **risks**, including technical, legal, and organizational issues.  • Gained skills to assess the likelihood and impact of identified risks.  • Learned to prioritize risks based on their severity.  • Gained knowledge in **mitigating** **risks** through reduction, avoidance, or delegation. | • Risks Early: Spot and document potential risks at the start of the project.  • Assess and Prioritize: Focus on high-impact risks by evaluating their likelihood and importance.  • Apply Risk Strategies: Manage risks through mitigation, avoidance, or transferring responsibility. | • Shared examples with peers on identifying hidden risks like resource shortages and technology issues.  • Compared qualitative and quantitative approaches with peers to enhance understanding of evaluating risks.  • Collaborated on mitigation tactics, learning about risk transference through peer experiences. | • Struggled to accurately assess the likelihood and impact of risks, especially with new or unfamiliar technologies.  • Faced challenges in ranking risks due to overlapping consequences and unclear severity.  • Faced difficulty in understanding when to use mitigation, avoidance in different project scenarios. | • Reviewed videos on risk assessment techniques and mitigation strategies to enhance understanding.  • Studied articles on best practices for prioritizing and managing project risks effectively.  • Analyzed real-world case studies to see how companies successfully implemented risk management strategies. | • Explore and test mitigation, avoidance, and transference strategies in real-world case studies.  • Apply prioritization techniques to different project scenarios to improve decision-making on critical risks. |
| **Configuration Management** (CM) controls and documents system changes through Configuration Identification, Control, Status.  • **Version control**.  • The **Change Control Board** (CCB) approves change requests to maintain project stability. | CM prevents scope creep and versioning issues in software projects with frequent changes.  • CM tools, Version control tools like Git maintain project file integrity.  • Jira and Azure DevOps enable effective tracking and evaluation of change requests. | Discussed challenges of CM in agile environments and maintaining version control.  • Shared experiences on CM practices in projects with complex workflows.  • Collaborated on strategies for CM implementation and change request management. | Understanding the scope of Configuration Auditing and baseline requirement verification.  • Managing configuration control in fast-paced projects with continuous changes.  • Handling the complex workflow of Change Request Impact Analysis. | Analysed case studies on CM best practices in IT companies.  • Learned Git branching strategies for efficient version management.  • Studied CM tools used by companies like Microsoft and Google.  • Practiced implementing CM concepts through tutorials and real-world scenarios. | Create a configuration management plan for a hypothetical project.  • Explore CM tools like Puppet and Chef for automating change control.  • Apply CM learnings to future project management scenarios. |

**Final Reflections:**

**Overall Course Impact:**

* I have developed a comprehensive understanding of effort estimation, risk management, and configuration management.
* With these new skills, I am confident in applying best practices to improve project outcomes.

**Application in Professional Life:**

* The techniques learned for identifying and mitigating risks will help me handle complex projects more effectively.
* Implementing configuration management principles will ensure streamlined version controland higher software quality.

**Peer Collaboration Insights:**

* Collaborating with peers provided practical insights on managing changes and risks in real-world projects.
* I gained a deeper understanding of handling project issues through shared experiences and brainstorming sessions.

**Personal Growth:**

* Overcame my initial struggle with Configuration Auditing by breaking it down into smaller parts and reviewing case studies.
* Enhanced risk management skills through case study analysis and proactive strategies.
* Strengthened my ability to perform Change Request Impact Analysis by working through real-world scenarios

**Hours Spent Weekly To study:** 3 Hours per week

**References for Personal Development Activities:**

* https://mark-bridges.medium.com/50-case-studies-exploring-risk-management-across-various-organizations-situations-32c1d63374e0
* Karlovs-Karlovskis, Uldis. (2012). Importance of Configuration Management.