

FINAL LEARNING JOURNAL

Student Name: Mayank Nilkanthbhai Parmar

Course: SOEN 6841 - Software Project Management

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1. Overall Course Impact

This software project management course has changed how I see and handle software development projects. Before diving into it, I often found myself overwhelmed by the complications of resource planning, scheduling and the scope of the project in the check. However, as I attached to the material, my understanding changed dramatically, and I raised some efficient skills that have boosted my confidence in the management of projects.

I had experience on hand with equipment such as Pert and Gantt Chart, making the plan a lot of manageable. Learning about the price management (EVM) earned to track budget and costs was a game changer. It is attractive how these methods can clarify the financial position of a project. We also spent time on feasibility studies, which helped me understand how a project is worth chasing right from the beginning.

Chapter-wise Impact:

Chapter	Key Insights
Chapter 1: Introduction	The core project management concepts and software development prepared the basis to understand their application.
Chapter 2: Planning	Tools such as PERT and Gantt charts were introduced to create effective plans and track the schedule widely.
Chapter 3: Effort Estimation	The exact effort estimated methods required for scheduling and resource allocation in projects highlighted the methods.
Chapter 4: Risk Management	To reduce the disruption of the potential project, how to identify, assess and reduce risks.
Chapter 5: Configuration Management	The techniques were detected to manage the changes efficiently, ensuring that the stakeholders are aligned with the progress of the project.
Chapter 6: Project Planning	Focused on structured methods such as CPM and important chain method for organizing project functions and deadline.
Chapter 7: Monitoring and controlling	Taught strategies to improve decision making, progress and control costs and programs.
Chapter 8: Project Closure	Emphasized the importance of final delivery, collection and lessons learned for organizational development.
Chapter 9: Software Lifecycle	Explained their relevance to various life cycle models and various software projects, which enable informed options.
Chapter 10: Software Requirement	Effective techniques to gather and validate requirements, important for stake satisfaction.

Chapter 11: Design Management	Explained high-level and low-level design approaches, emphasized the importance of detailed design reviews.
Chapter 12: Construction	Concurrent engineering techniques were highlighted to streamline development workflows.
Chapter 13: Testing	Underlined the importance of rigorous testing processes to ensure quality and reliability in software.
Chapter 14: Release and Maintenance	Discussed strategies to support and maintain software products after deployment.

Through these chapters, I gained practical knowledge about the plan, construction and maintaining software projects. A challenging component for me was mastery in the balance between a flexible approach such as a flexible approach such as scramas for the waterfall and especially dynamic projects.

2. Application in Professional Life

- **Effective Project Management:** Get the experience of managing all stages of a project, from beginning to end, ensuring that the objectives are consistently achieved.
- **Resource Optimization:** To promote efficiency and results, learned to allocate resources effectively even in challenging situations.
- **Risk Mitigation:** To prevent potential disruption, adopted an active approach to quickly identify and address the risks.
- **Change Management:** The scope of the project, the deadline and stakeholder expertise was specialized in handling the changes to ensure the expectations.
- **Continuous Improvement:** Adopted the importance of implementing learned lessons and reflecting on previous projects to increase future performance.

3. Peer Collaboration Insights

Supporting with peers was one of the most valuable aspects of this course. The attached discussions provided new perspectives, especially when life cycle models and risk management strategies.

- The practice presentation accelerated my communication skills and improved how I expressed ideas.
- Team meetings facilitated the alignment of work, priority settings and efficient distribution of responsibilities.
- **Major challenge:** Balancing time and ensuring proper contribution during group work is necessary.

4. Personal Growth

- This course greatly enhanced my important thinking and strengthened my ability to act as an effective project manager. I improved tasks, solving complex problems and expressing ideas more clearly.
- Representation skills enhanced through discussion, group cooperation, and presenting stakeholders.
- Flexibility and adaptability created through experiences that manage uncertainties in projects.
- **Main challenge:** Learning to effectively manage the priorities of confidence and competition in decision making under pressure.