

## Learning Journal -4

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**Course:** SOEN 6841 Software Project Management

**Journal URL:** <https://github.com/mmobbu/SPM>

**Dates Range of activities:** 6 March 2025 to 13 March 2025

**Date of the journal:** 15 March 2025

Key Concepts Learned:	Application in Real Projects:	Peer Interactions:	Challenges Faced:	Personal development activities:	Goals for the Next Week:
1.I explored monitoring and controlling the project , with an emphasis on the baselines role, earned value management (EVM), and performance measurement indicators. 2. Monitoring involves getting information for tracking, while control is meant to ensure the project stays within planned time, cost, and as per the quality. 3. Earned Value Management (EVM): A comprehensive tool that integrates cost and time in order to monitor project progress. It determines schedule variance	1.The monitoring practices are significant to track software project progress and ensure timely delivery. 2.For example, EVM can be utilized to measure cost and schedule variance during agile development. 3.Use variance analysis to detect and prevent delays ahead of time.	1.Forum participation on EVM implementation outlined actual challenges, including budget allocation to changing client requirements. 2.Group work on the technical issue brought to the fore the realities of baseline update and slack management methodologies. 3.In particular, peer review of workload balancing plans enhanced my comprehension of workload balancing. 4.One of the peers	1.The overall implications of EVM were hard to understand, particularly in computation and interpretation of cost and schedule variances. 2.Also, the difference between monitoring and control required deeper investigation of real-world scenarios. 3.Need for additional practice in implementing corrective	1.Finished an e-learning course on advanced project monitoring methods. 2.To reinforce my knowledge on project monitoring, I studied case studies of failed software projects due to poor monitoring. 3.I also practiced computing EVM metrics from sample data, which further improved my understanding of	1. Explore project monitoring automation software such as Jira and Trello and ascertain their ability to monitor critical performance indicators. 2. Identify best practices on how to arrange lessons learned repositories to improve future project planning. 3.Master the skills of dynamic slack management and learn its coordination with iterative project schedules. 4.Discuss sophisticated variance analysis methods for

and cost variance, enabling accurate judgments of project performance. 4.Important methodologies include variance analysis, control actions, and scope management.		suggested real-time tracking using automated dashboards, which was useful.	actions, especially where there are overruns in budgets.	variance analysis.	more in-depth monitoring of performance. 5.Match learnings to long-term career aspirations by uncovering program management techniques.
<p>1. Project Closure: This chapter discussed why the closing of a project is necessary to ensure that all the objectives have been achieved and the resources are returned.</p> <p>2.Project Deliverables: The focus was on validating and handing over project deliverables to stakeholders prior to closure.</p> <p>3. Source Code Version Management: Emphasized the practice of storing and cataloging source code for later use or as a point of reference.</p> <p>4. Metrics Data Filtration: Defined filtering and archiving of measured project data for performance analysis and lessons learned.</p>	<p>1. Archive source code systematically to maintain traceability in future developments.</p> <p>2. Utilize lessons learned sessions to determine inefficiencies and successes for ongoing improvement.</p>	<p>1.Collaborated with team members in a discussion regarding how to effectively conduct lessons learned sessions. This helped to uncover potential biases in evaluating project outcomes.</p> <p>2.Reciprocal comprehension of source code version control tools resulting in a better comprehension of best practices.</p> <p>3.Peer review highlighted the need to align deliverables to stakeholder expectations, redirecting my project closure approach.</p>	<p>1.Closure activities on a project also brought issues related to filtering and archiving relevant metrics properly.</p> <p>2.Deciding which project lessons were worth keeping to use again in the future took discernment.</p> <p>3.Difficulty in deciding how to organize lessons learned documentation for optimum usability.</p>	<p>1.Attended a tutorial for advanced documentation skills in closing a project.</p> <p>2.Applied new archiving measures and version control software in practice in a simulated project setting.</p>	<p>1.Develop my data screening skill to carry out precise and effective archival processes.</p> <p>2.Discuss new methods of recording lessons learned in detail.</p> <p>3.Discuss tools that support efficient project closure and post-implementation reviews.</p> <p>4. Map project closure skills to overall career objectives in program management through achieving competency in stakeholder communication.</p>