

## LEARNING JOURNAL

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**Course:** SOEN 6841 - Software Project Management

**Journal URL:** [https://github.com/Mayank1232/SPM\\_2024](https://github.com/Mayank1232/SPM_2024)

**Week 6-7:** 02/03/2025 - 02/16/2025

**Date of the journal:** 02/22/2025

### ❖ Key Concepts Learned

- Covered Project Planning and Monitoring & Control (Chapters 6 and 7).
- Gained understanding of the importance of Work Breakdown Structure (WBS) in resource allocation and task management.
- Learned concepts regarding Earned Value Management (EVM) to track budget and schedule variances.
- Comprehended the effects of top-down vs. bottom-up planning approaches.
- Appreciated how EVM could enhance monitoring in recurring projects such as the "Home Exercise Planner."

### ❖ Application in Real Projects

- Applied WBS in a logistics software development project to coordinate tasks and manage resources.
- Recognized the need for EVM to detect budget overruns and schedule slippages in advance.
- Realized how EVM would have increased monitoring and control in previous projects.
- Make arrangements for implementing WBS in the "Home Exercise Planner" to break down activities effectively and manage resource utilization.

### ❖ Peer Interactions

- Discussed WBS and EVM applications with peers, gaining insights into practical challenges.
- Collaborated on brainstorming ways of successful monitoring in agile settings.
- Gained from a classmate's internship experience about the impact of ineffective project monitoring.
- During a discussion of the "Home Exercise Planner," I could not prioritize tasks and received useful feedback from others on using WBS to schedule tasks effectively.

**❖ Challenges Faced**

- Found EVM variances calculation and interpretation complicated in dynamic project environments.
- Difficulty in effectively estimating task durations in WBS for tasks that are interdependent.
- Plan to surmount these difficulties by reading case studies and participating in workshops.
- Experienced challenge in task sequencing for the "Home Exercise Planner," particularly in aligning exercise routines with user objectives and constraints.

**❖ Personal Development Activities**

- Completed tutorials on EVM and WBS execution on platforms such as Jira.
- Read blogs and articles on continuous monitoring in agile environments.
- Increased hands-on comprehension through on-ground demonstrations and experienced perspectives.
- Shared best practices of project management to successfully design the "Home Exercise Planner" incrementally.

**❖ Goals for the Next Week**

- Carry out case study research on effective EVM implementation in mega-projects.
- Participate in online forums to discuss WBS issues with professionals.
- Investigate advanced project management tools for more seamless integration with agile methods.
- Develop a detailed task breakdown for the "Home Exercise Planner" with WBS to improve task definition and resource planning.