# Learning Journal 3

**Student Name:** Minhazul Islam (ID: 40291529)

**Course:** SOEN 6841 Software Project Management

**Journal URL:** https://github.com/saifminhaz/SOEN-6841---Learning-Journal.git

**Dates Rage of activities:** 06 October, 2024 - 02 November, 2024

**Date of the journal:** 02 November, 2024

**Key Concepts Learned:** In the last few classes, the professor has taught us about the software project planning and project monitoring and control. There are several important topics in both lectures such as comprehensive software project planning, emphasizing work breakdown structures (WBS), resource allocation, and scheduling techniques, such as top-down and bottom-up planning, to set realistic project timelines and define task dependencies. Effective resource allocation is highlighted as critical, ensuring the right skills are matched to tasks, which reduces inefficiencies. In project monitoring and control, where tools like Earned Value Management play a crucial role in tracking both schedule and budget variances against baseline plans, enabling project managers to take corrective actions when necessary. Together, these chapters emphasize that a structured, adaptive approach to planning and control is essential for managing time, costs, and resources efficiently in software projects.

**Application in Real Projects:** Structured planning and control measures as described in actual use will help improve project feasibility assessments. This leads to accurate timelines and cost estimates. For example, using a work breakdown structure (WBS) early in a project can help identify potential work dependencies and improve resource allocation. Value management (EVM) is especially useful for ongoing projects. Regular comparisons of planned and actual costs can address budget overruns more quickly than usual. Additionally, flexibility in corrective action gives project managers a variety of strategies for dealing with deviations. This is important in the adaptive and iterative nature of software development...

**Peer Interactions:** The interaction from the professor with the students are the most helpful part for a student. Sometimes I feel some parts I do not understand and the professor help me clear my doubts. While learning in the class, I had some issues to understand the Earned Value Management process and I asked the professor about it and she helped me understand the process clearly.

**Challenges Faced:** Although the professor clears every topic clearly in the class, although I faced some challenges while revising at home. Particularly, in resource allocation, and scheduling techniques. Also, there were some topics were very hard to understand so I read through the slides to understand the subject properly and take the help of online to learn everything.

**Personal development activities:** I have watched some YouTube videos about Software Project Management to get in-depth knowledge about resource allocation and how to use the knowledge from text book to industry level. Also, I have downloaded some books from online to learn and research about all the models of Software Project Management and how to use the knowledge from the course to the real life. I am intended to have a session with the professor about the learning of the course. I always had a knack for becoming a Project Manager in my future so I am preparing myself for that.

**Goals for the Next Week:** My goals for the next week is to learn the new chapters that will come ahead for the final exam. I am excited to learn the new topics of Software Project Management. I am hopeful that I will able to learn many new ways of managing a project effectively and efficiently through this course in upcoming weeks.