

# Learning Journal



**Student Name:** Ganga Singh

**Course:** Software Project Management

**Journal URL:** [https://github.com/gangasingh0001/SOEN\\_6841\\_Learning\\_Journal](https://github.com/gangasingh0001/SOEN_6841_Learning_Journal)

**Week 3: Feb 4 to Feb 10**

**Key Concepts Covered This Week:**

- **Configuration Management (CM):** Explored the significance of managing changes throughout a project's lifecycle to maintain consistency and integrity in project artifacts, ensuring project objectives are met effectively.
- **Change Control Procedures:** Learned the importance of establishing and enforcing procedures to manage change requests from stakeholders, minimizing risks, and maintaining project quality. Three major points are as follows.
  - a. Establishing structured processes for managing change requests.
  - b. Evaluating change requests for impact on project objectives.
  - c. Prioritizing and implementing approved changes to minimize risks and maintain project quality.
- **Project Planning and Scheduling:** Discussed methodologies for defining project goals, scope, deliverables, and creating timelines with tasks, milestones, and dependencies to ensure timely and budget-compliant project completion.
  - a. Define project objectives, scope, and deliverables.
  - b. Create a timeline with tasks, milestones, and dependencies.
  - c. Ensure alignment with budget and resources for successful project execution.

**Connections or Extensions to Previous Material:**

The understanding of Configuration Management extends the application of foundational project management principles, such as COCOMO (Constructive Cost Model) and function points, by providing a structured approach to managing changes in project components or products throughout the project lifecycle, ensuring consistency and integrity while assessing the impact on project costs and effort estimation.

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## Reflections on Case Study/Course Work:

- **Insights Gained:** The real-world application of configuration management and change control highlighted their critical role in maintaining project stability and preventing scope creep, especially through a structured process to evaluate the impact of change requests.
- **Relation to Course Content:** This reflection reinforces the course's emphasis on rigorous change management and planning processes as essential components of successful project execution.

## Collaborative Learning:

- **Peer Interactions:**
  - I discussed with my roommate on the integration of configuration management in agile environments on Advanced Programming Practices project which ultimately provided valuable perspectives on balancing change management practices with the flexibility required in agile methodologies like Scrum or Kanban.
  - Reviewing after each sprint we discussed to submit change request that will eventually be pulled to the main working environment if approved by the stakeholders.

## Further Research/Readings:

- **Personal Development Activities:** Watched a YouTube video on project management best practices and planned to enroll in an online course on agile project management, aiming to complement course material with practical industry insights and strategies.

## Adjustments to Goals:

- **Review of Previous Goals:** The initial focus was on grasping basic project management concepts.
- **New Goals:** Aim to master presenting project schedules and milestones effectively, gain deeper understanding of task duration estimation techniques, and refine skills in identifying and managing task dependencies to enhance project scheduling accuracy.
- **Adjustments Based on Progress:** The need to address challenges in understanding task dependencies and scheduling nuances has shifted the focus towards more specialized aspects of project management, indicating an evolving understanding and application of course content.