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Course: SOEN-6841 (SOFTWARE PROJECT MANAGEMENT)

Journal URL: <https://github.com/Sasikiran-31/SOEN-6841-40267002>

Chapters Covered (5 and 6)

Dates Range of activities: [02-8-25 to 02-18-25]

Date of the Journal: [02-23-2025]

Learning Journal – 3

Key Concepts Learned

Chapter 5: Configuration Management

- Ensures consistency in product development through version control and change management.
- Key techniques: Configuration control, status accounting, and auditing help maintain software integrity.
- **Example:** Using Git for version control demonstrated how tracking small changes prevents integration conflicts.

Chapter 6: Project Planning

- Structure: Top-down and bottom-up approaches, along with Work Breakdown Structures (WBS), improve task segmentation.
- Resource Optimization: Effective scheduling and risk integration enhance project preparedness.
- **Example:** Using WBS in a sample project improved task delegation and tracking efficiency.

Application in Real Projects

- Configuration management enables structured updates and version control.
- Project planning enhances scheduling efficiency and workforce utilization.
- **Challenging Component:** Implementing real-time tracking systems improved project monitoring accuracy.

Peer Interactions and Collaboration

- Discussed configuration management techniques and project planning best practices with peers.
- Received feedback on improving resource allocation in planning.
- **Experience:** Learning about different version control strategies refined my understanding of collaborative development.
- **Breakthrough:** Understanding how structured planning impacts long-term project success.

Challenges Faced

- Struggled with identifying best practices for configuration control.
- Faced difficulties in optimizing resource scheduling within constraints.
- **Example:** Encountered conflicts in version control due to multiple contributors, requiring better branch management strategies.
- Conducted further research and discussions to refine scheduling techniques.

Personal Development Activities

- Practiced project planning and version control using Microsoft Project and Git.
- Attended an online seminar on Agile project planning techniques.
- **Experience:** Implementing project scheduling techniques in case studies improved practical application skills.

Goals for the Next Week

- **Short-term goals:**
 - Practice advanced version control workflows.
 - Develop a comprehensive project schedule with risk assessment.
- **Long-term goals:**
 - Gain deeper knowledge of Agile project planning methodologies.
 - Enhance proficiency in configuration management strategies.