Learning Journal

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Course: SOEN 6841

Journal URL: https://github.com/sanjay123-321/Learning-Journal/tree/main

Dates Rage of activities: 02-08-2025 to 02-22-2025 (mm-dd-yyyy)

Date of the journal: 02-22-2025

Key Concepts Learned	Application in Real Projects	Peer Interactions	Challenges Faced	Personal Development Activities	Goals for the Next Week
Effort, Cost, Schedule, and Resource Estimation: Methods like Expert Judgment, Analogous, Parametric, Bottom-up Estimation, WBS, and PERT/CPM for accurate project planning.	Applied Bottom-up Estimation and WBS to a sample project for estimating effort, cost, and schedule. Used PERT for timeline predictions.	Discussed estimation techniques with peers, learning how different methods suit various project contexts.	Selecting the right estimation method and ensuring data accuracy was challenging.	Reviewed textbook examples and explored case studies for improved understanding.	Practice estimating a real-world project using at least two estimation methods and validate results.
Risk Management: Types of risks (technical, financial, operational), impacts, and strategies like mitigation, avoidance, transfer, and acceptance.	Conducted a basic risk assessment and developed a mitigation plan for a sample project.	Exchanged views with peers on common project risks and how organizations manage them.	Quantifying risks and prioritizing them proved complex.	Explored additional resources to better understand risk response strategies.	Create a detailed risk managemen t plan for a case study project.

Configuration Management System: Its components (identification, control, status accounting, audits) and importance in maintaining software integrity.	Implemented version control using Git for tracking project changes and ensuring consistency.	Collaborated with classmates to explore various configuration management tools.	Ensuring adherence to configuration baselines was challenging.	Studied real-world implementation of configuration management systems.	Develop and apply a basic configuration management plan for an ongoing project.
Software Project Planning, Monitoring, and Closure: Components of a project plan, EVM, milestone tracking, lessons learned, and project closure activities.	Drafted a project plan and used milestone tracking for progress monitoring. Documented lessons learned in a mock project closure.	Shared experiences on project monitoring and the significance of proper closure documentation.	Balancing comprehensive planning with flexibility was difficult.	Reviewed project closure best practices through workshops and textbook resources.	Finalize a complete project plan, monitor progress using EVM, and conduct a mock project closure.