Learning Journal 1

Student Name: Yesha Shah

Course: Software Project Management (SOEN 6841)

Journal URL: https://github.com/shahyesha/SOEN6841_SPM

Dates Rage of activities: 9th September 2024 to 20th September 2024

Date of the journal: 21st September 2024

Key Concepts Learned:	Application in Real Projects:	Peer Interactions:	Challenges Faced:	Personal development activities:	Goals for the Next Week:
Week 1: • Define project goals, scope, and objectives through the project charter, initial schedule, cost estimates. • Make choices on features, delivery, and support of your products after conducting market research. • Divide the project into phases, addressing requirements management, software maintenance, refining cost estimates. • Modify the initial budget, use metrics to monitor development, let software vendors make bids based on professional estimations.	• In addition to managing requirements, scheduling, risk, and quality control, project managers often handle cost estimates, project charters, and schedule planning. • A software product's beginnings include a market analysis, development budgets, feature descriptions, and phases such as design, development, testing, and maintenance.	• Discussion of case studies, software project management principles, their significance, and the project manager's function.	• Introduce to the steps involved in the project initialization process. • Most of the concepts of project management concepts were easy to understand this week. • A hands-on approach might improve comprehension of these ideas.	• To advance my knowledge of front-end development and project management, I'm enrolled in a React.js course. I now have the technical, problem-solving, and coordination skills necessary to manage software projects effectively thanks to this course.	• Next week's objectives would be to study the principles and go through the course book.

Week 2: • Effort estimating methods that use team experience to generate effort ranges include expert judgment, the Delphi method, and estimation by analogy. • Function Point Analysis (FPA) computes Unadjusted Function Points (UFP) and evaluates complexity by measuring software features using five function types (ILF, EIF, EI, EO, and EQ). • For more accurate effort estimates, Value Adjustment Factor (VAF) employs the UFP and VAF calculation tables. • For precise project cost projections, COCOMO2 is a complete cost modelling tool with application composition, early design, reuse, and post-architecture.	• Effort estimation techniques during requirements gathering provide rough project estimates, aiding in setting deadlines and direction. • Margin of error can arise from variations in the multiplication factor used by the project manager • COCOMO2 Cost Modelling: The team uses its sub-models such as Application Composition, Early Design, Reuse, and Post-Architecture to refine cost estimates at various stages.	• Engaged in discussions with peers on selecting appropriate cost estimation methods for projects. • Gained insights into how project managers choose the best estimation techniques. • These discussions were helpful for understanding cost estimation approaches for both real-world scenarios and the course project.	• The concepts were clear, but a real-time project on cost estimation techniques would enhance understanding. • A class activity with a project requiring estimation could offer practical experience and allow peers to compare methods. • This would encourage discussion on margins of error and strategies to minimize discrepancies.	• Identify a key improvement area, like project management or cost estimation, and find relevant resources or courses. • Participate in hands-on projects or simulations to apply concepts in real-world scenarios and enhance skills. • Schedule regular self-reflection to assess growth, identify strengths and weaknesses, and adjust learning strategies.	• Review chapter 4 slides and the corresponding chapter in the textbook. • Collaborate with team members to begin work on the project deliverable. • Set clear objectives for the upcoming week to ensure progress on both readings and project tasks.