Learning Journal 1

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Course: Software Project Management (SOEN 6841)

Journal URL: https://github.com/parikhalay/Software-Project-Management

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 Interacti ons:	Challenges Faced:	Personal development activities:	Goals for the Next Week:
Week 1: Project Definition: Differentiates from other disciplines by its temporary and unique nature. Project Management: Involves subprocesses and phases from requirements management to software maintenance. Project Lifecycle: Covers phases like initiation, design, development, and maintenance. Initiation Tasks: Includes schedule estimates, project charter, and cost estimation. Software Product Initiation: Involves market analysis, development estimates, feature planning, and delivery.	Project management applies to any project, guiding development and release phases. Example: CRM software launch follows design, development, testing, and maintenance. It covers scheduling, risk, and quality management. Initiation includes schedule estimates, project charter, and costs. Software tasks: Market analysis, estimates, feature definition, and success metrics.	• Interaction about case study and software project management concepts, its import ance and role of project manage.	 Project manageme nt concepts were easy to understand this week. Introduced to the steps involved in the project initiation process. A practical approach would enhance understandi ng of these concept Expect to implement these concepts in an upcoming course project. 	I am pursuing a MERN stack project development course to enhance my skills in full-stack development and software project management. This course provides handson experience with the project lifecycle, modern development methodologies, and problemsolving, enabling me to effectively manage technical tasks, improve coordination, and oversee future software projects successfully.	• Goals for next week would be to go through the course book and learn the concep ts.

Week 2: Effort Estimation: Effort Interact • | To read Engaged in Key in the design **Estimation:** ion concentrate the learning phase to guide d on The team uses about next sessions with project Analogy and various chapter grasping classmate, development. Expert cost effort and to focused on Estimation by Judgment to estimat estimation start effort Analogy: Uses estimate effort ion techniques workin estimation past project data based on past method like g on techniques like with a s and Function projects and project FPA, multiplication expert input. how Point initiatio COCOMO, and factor for effort n and Function project Analysis, Wide Band estimation. manag COCOMO, market **Point Analysis** • Expert Judgment: and Wide analysi (FPA): Five ers Delphi to Relies on team Band determi function types s. enhance my experience for (ILF, EIF, EI, ne the Delphi, project effort estimates. EO, EQ) are most along with planning skills. Function Point suitabl resource counted to Analysis (FPA): allocation calculate Measures approa Unadjusted concepts software based ch. and loading **Function** on user features, factors for Points (UFP) Insight calculating for users into optimizing Unadjusted workforce focused effectiv **Function Points** capacity. software (UFP) from five I realized features. project types: ILF, EIF, EI. • COCOMO2 cost these topics • Delphi Method: Cost estimat required Estimates effort further Modeling: ion. through collective COCOMO2's clarification expert input. and effort to sub-models COCOMO2 Cost fully (Application Modelling: understand Composition, Algorithmic and apply in Early Design, model with subproject Reuse, Post models like Architecture) planning application improve cost and composition, estimation manageme early design, nt. throughout the reuse, and postproject. architecture. • Key Terms: COCOMO2,

Algorithmic Cost Modelling, FPA, Delphi, UFP.