SOEN 6841 – SOFTWARE PROJECT MANAGEMENT

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Dates Range of activities: 16/01/2025 to 25/01/2025	*Journal URL:* https://github.com/the-officialjosh/SOEN6481-Software-Project-Management

Key Concepts Learned

This week introduced me to Software Project Management concepts, and it was an eye-opening experience. Coming from Nigeria, where these methodologies were not part of my educational background, I found many of the terms and principles completely new. However, with extensive reading and research, I was able to understand foundational principles such as project initiation, effort estimation techniques like COCOMO and Function Point Analysis (FPA), and the importance of setting SMART objectives. These concepts provided me with a clearer picture of how projects are structured and managed effectively.

Additionally, this week introduced a variety of new terminologies, including COTS (Commercial Off-The-Shelf software), ERP (Enterprise Resource Planning), SCM (Supply Chain Management), CRM (Customer Relationship Management), and SaaS (Software as a Service). Although I had heard of some of these terms before, I took the time to study their definitions and learn how they relate to project management. The diagrams and methodologies presented in the lecture slides required additional effort on my part to fully grasp their applications, and I had to carefully review the required textbook to clarify several concepts.

Given the volume of new material introduced, I plan to maintain this journal, where I document and define new terms, methodologies, and frameworks weekly. This will ensure that I don't just attend classes but deeply understand the concepts as the course progresses.

Application in Real Projects

Reflecting on my past experiences, I can now see where my lack of knowledge in project management caused significant setbacks. For example, during my work with Crème Pastries, I initiated a project that failed due to poor planning. I underestimated both the cost and time requirements because I was eager to get started without conducting proper effort estimation or error analysis. The lessons from this week have shown me how structured techniques like COCOMO and FPA can provide accurate effort estimates and allow for better resource allocation. If I had applied these principles back then, I would have been able to avoid many of the mistakes I made. This newfound knowledge gives me confidence in planning and executing future projects more effectively.

Peer Interactions

Interacting with peers was a critical part of my learning this week. I engaged in discussions with classmates about Agile methodologies, which helped clarify several concepts that were initially confusing to me. These conversations provided practical insights into how Agile differs from traditional project management approaches and highlighted its benefits in dynamic environments. Additionally, I had to speak in front of the entire class to find a teammate for the Topic Analysis presentations, which pushed me out of my comfort zone but helped me connect with more classmates.

Through these interactions, I also learned about the concept of Social Enterprises from a peer, which broadened my understanding of how businesses can balance mission and profit. Peer discussions on defining project scope and objectives further deepened my understanding of these concepts and their practical applications.

Challenges Faced

This week, I faced significant challenges in understanding effort estimation techniques like COCOMO and Function Point Analysis (FPA). These methods were entirely new to me, and their application in dynamic environments such as Agile development felt overwhelming at first. Additionally, the overlap between certain terminologies, such as project charter and project scope, created some initial confusion. To overcome these challenges, I revisited the lecture slides and textbook for clarity. I also found it necessary to study the diagrams and methodologies presented in the course material in greater detail, as they required a deeper level of understanding than I initially anticipated.

Another challenge was navigating the unfamiliarity of many new terms and concepts presented this week. To address this, I spent a significant amount of time conducting research and studying examples to ensure I could fully grasp their meaning and relevance. I plan to continue this approach weekly, as I recognize that catching up will require sustained effort and focus.

Personal Development Activities

To compensate for my lack of experience in project management, I dedicated over four hours daily to reading, researching, and studying. This included reviewing case studies from the textbook, which helped me better understand real-world applications of the concepts. I also worked on the learning journal after carefully reading and understanding the material, as well as completing the activities and assignments.

Given the high volume of new concepts in this course, I have decided to maintain a personal journal for tracking and defining new terms, methodologies, and frameworks as I encounter them. This strategy will help me consolidate my learning and ensure that I can refer back to my notes as the course progresses. My goal is to use this journal to build a solid foundation in project management, even as I continue to work through unfamiliar concepts.

Goals for the Next Week

For the coming week, I plan to cover Chapters 4, 5, and 6 in detail and prepare thoroughly for the upcoming quiz. I also aim to revisit challenging topics, such as effort estimation techniques and Agile methodologies, to ensure I fully understand and can apply them. Additionally, I want to work ahead on the next set of assignments and activities, focusing particularly on scope management and risk mitigation strategies. By following through with these goals and staying consistent with my journal, I hope to continue building my knowledge and confidence in Software Project Management.