Learning Journal Template

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Course: Software Project Management

Journal URL: https://github.com/BhartiChh/SOEN-6481_software-project-management

Dates Rage of activities: 4 September, 2024 - 21 September,2024

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Key Concepts Learned:	**Application in Real Projects:**	**Peer Interactions:**	**Challenges Faced:**	**Personal development activities:**	**Goals for the Next Week:**
Chapter1 provides an introduction to characteristics of project, distinctions between a software project and a project, as well as between a project and a job. Then, chapter also discusses the project management fundamentals, encompassing the number of software project tasks (requirement management, design management, source code building, software testing, software deployment, software maintenance) and also focussed on following phases: project planning, project initiation, project monitoring and control, and project closure. These tasks associated with various software projects fall under the project planning, monitoring, and control phases. The first phase of Software Project is software project initiation tasks, consist of the following tasks: initial schedule estimate, project charter, project scope, project objective, initial effort estimate, and initial cost estimate. Further to this, there was also discussion done about software development initiation tasks lie market analysis, product development cost estimate, product features and few more. After this, there was also detailed discussion	All software projects must adhere to these SPM principles that were taught in the class. The SPM flow has a clearly defined structure from the beginning to the completion of a project, therefore to produce any unique software for a client, we should follow the workflow as discussed in the weekly class. The identical project can still be made without these, but the result cannot be guaranteed. These workflow is essential to be followed if the project is large, otherwise it	Throughout the class various interactions were conducted during the class with peers that made me focus on multiple topics more deeply. I discussed the question with peers that what appropriate time people playing different roles in a project should invest at	Since this is the second week, the introduction to SPM and numerous tasks in different phases to built software project has dominated most of the conversation. I could understand the principles when I read chapters 1 and 2.So no much confusion was there while understanding these topics. However, i found project charter	This week I started preparing notes, which world be helpful for me not only at this time but also during the exam time to prepare well for my exams by keeping in mind all the key points that was addressed in the class. Also, I started reading the different version of documents that were	Next week's primary objective is to read chapters 4, and 5.Not only this, we have been given a project. I will discuss the approaches to initiate the project with my teammates and do market analysis. Every problem or obstacle encountered in the next few chapters will likewise be resolved in the subsequent week. Also, I will try to think from the point of view of project manager to handle the

conducted for the software product implementation initiation tasks covering all the seven tasks ranging from customization effort, initial schedule estimates, to migration from legacy system. Along with this, the numerous processes that are involved in software project are also discussed. The chapter1 also addressed what metrics, such as relevant, practical, and calibration activities, should be used to measure the project. After covering chapter1, Chapter2 introduces the terms: Project Charter, which is usually performed to define the overall purpose of project before it actually begins by the top management of the organization. Also, the organization hire a person to calculate the initial cost as well as the effort. In chapter2, clear details about scope and objectives are discussed in the class along with examples for better understanding. Even the importance of initial budget and what it constitutes, efforts , direct relationship of size of project and the project cost is described further. The size of the project, the amount of work required, and the effort required to build it all affect the project cost. Also, the discussion about initial project schedule and its conversion from initial project schedule to baseline schedule is addressed further. Example showcased further ow project cost and efforts are calculated .Additionally, graphical representation of tentative project schedule and project plan is discussed. Discussion further emphasized on Project division, which is a technique used by experts engaged by organizations to estimate project effort and expense more accurately. Goals are understood further as sub-objectives that, when	would be costly for small projects that don't need much efforts at each stage, which in further save not only money but also the time to deliver the appropriate working software to the client. There are useful techniques for managing software projects more clearly and effectively, such as predicting effort and expenses and beginning initiatives. For accurate planning and budgeting.	each phase, another question that i put forward to the peers is that what tools are most favoured in the market that each person in the team should be aware of while working in the project, also the technologies that should be used to minimize the development and productivity efforts. This led to different answers by different students that was further clarified by the professo	need more explanation as this seems to be little confusing with the scope of project. Thus, I somewhere searched the topic on google and the major differentiation with scope and objectives to get more clarity. Also, i feel graphical representation should be provided along with theory to get the doubt free understanding of the flow in software project Management process.	prepared of real-time software to understand how the software was managed from start till end. Also, i started practicing coding that world be helpful for me to develop software later. I also underwent some online books on project management process along with Software engineering process to understand how project management process include the tasks of	projects and note down the approaches that I will use to create project plan, calculating effort and cost estimates by taking into an account estimation technique like FPA and COCOMO any real time project and observe the difference in my approach and approved established approach by other project manager. I will try to make project plan for a project to see how I manage changing requirement.

attained, allow the main objective to be reached. Typically, a project's objective is reached through the culmination of all the goals that are allocated to each member of team working together to build a software project. Therefore, developer goal would be different from the analyst goal, however completion of both goals should be achieved to meet the overall objective of project. Chapter 3 further focused on effort and cost estimation in software projects, which is not easy as result is often intangible. The estimation techniques were further discussed: experience-based and algorithm cost modeling, where in both judgment is required. The focussed was then put down on the uncertainty. Also, techniques: function point analysis, wide band Delphi, COCOMO etc. for making effort estimation on software projects were analyzed, which are chosen based on requirement. The results from these techniques are not reliable, so these are often revised as project progress. Functional ways were also discussed in each technique for calculating effort estimation. Drawbacks of each techniques were also discussed. It is further concluded that Function point analysis is best suited if we have historical project data and current project data, however if we have only current data project Delphi, COCOMO can be applied.		r at the end with the real world example that he know for practical explanation. The difficulties in applying Function Point Analysis and COCOMO were also discussed, with the observation that these frequently need to be modified when project conditions alter.		Software engineering in it processes.	