Learning Journal 2

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Course: Software Project Management

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Dates Rage of activities: 26 January 2025 – 9 February 2025

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Key Concepts Learned:	**Application in Real Projects:**	**Peer Interactions:**	**Challenges Faced:**	**Personal development activities:**	**Goals for the Next Week:**
From Chapter 3, I learned about different effort and cost estimation techniques, primarily divided into two categories, Experience based technique, and Algorithmic cost modelling. I learned new technique such as Delphi, Cocomo and Functional Point Analysis, which I was not familiar with. Cocomo estimate the effort, time, and resources required to develop a software project whereas Delphi is used to gather expert opinions and reach a consensus on topic. In Chapter 4, I learned about risk management and how risk assessment can be done using risk identification,	This week's learnings on project estimation techniques have direct applications in real-world projects across various industries, particularly in software development, construction, and product management. The concept of risk exposure, risk management and configuration management are used in industries like,	After the lecture, there are many interactions, that I need with my peers, including different estimation technique. This includes discussing more about Cocomo, Delphi model and Functional point analysis. I also carried out a collaborative activity with peers regarding risk exposure for a particular project estimation	There are certain topics where I faced some challenges, and which were somewhat new for me. For chapter 3 and 4, understanding the Cocomo and Delphi technique with clear differentiation was bit challenging. Along with this, I spend some time understand risk exposure and it is measurable in terms of value to better know it. For chapter 5, to understand the idea	For my personal development, I did notes making for the chapter 3 and 4 noting important terms and definition for better understanding. This includes detailed information about Cocomo and Delphi technique. Also, I noted about risk management and strategies to manage risk. Some of the other sources where are looked for the information by watching the YouTube	The next week goal is to go over and learn chapter 7 and chapter 8 before going to the next lecture. Also, for the next week, I need to prepare the poster and presentation for topic analysis which will be held during lecture time. Before that, I need to revise chapter 1,2,3 & 4 because there will be a quiz in next lecture. From the chapter 3 and 4, I want to focus more on differentiation in detail with examples

analysis, and prioritization. It is represented as, Risk exposure = risk probability * impact. I also learned about negative risks are referred to as threats, and positive risks are referred to as opportunities. In Chapter 5, I learned about configuration management which is process of controlling and documenting change which evolves around who, what, when and why. In Chapter 6, I learned about key concept "project planning" which refers to the initial phase where you define the detailed steps needed to complete a project, including setting goals, establishing timelines, allocating resources, identifying potential risks, assigning tasks to team members, and outlining a budget to ensure the project is executed successfully and meets its objectives.	finance, healthcare and in cybersecurity. Some f the benefits of applying these concepts include enhanced security, reduced downtime, better resource allocation and improved collaboration. However, there are some challenges such as uncertainty in predicting emergency risk, continuous monitoring, and updates, high cost of mitigation low occurrence, high impact risk, higher complexity, and high learning curve for teams with unfamiliar CM tools.	value in terms of insurance needed. This activity was much interesting and helpful to better estimate risk involved. I have a fruitful discussion with industry professional regarding the configuration management along with the concept of version management. With this, I was also able to interact about what is software project planning and it actually takes place in the industry and different techniques. This helped me to get detail idea about topic.	behind the function of configuration management was bit challenging which introduces to new terminology. From chapter 6, the most challenging part is to understand terms like milestone, and critical path. Along with this, understanding the importance of Gantt chart. For all these topics, I read some of the articles on the web as well as going over some videos, and documentation, which helped me to understand the topics clearly and in more detail.	video of effort and cost estimation technique. Along with this, I also read articles and blogs for Cocomo, Delphi and functional point analysis technique. I have also refereed the book which provides detailed description of all concepts. This technique helped me to get clear with all the concepts. I also read articles to better understand configuration management as, it got confused with version management. For all these activities, I spent nearly 6 hours to understand it and complete personal development activities. [Reference1] [Reference2]	between experience-based technique, and Algorithmic cost modelling. Along with this, I want to read articles based on Delphi and Cocomo technique to get in depth knowledge about it with applications. Also, I need to prepare for the pitches of the project along with my team members and practice it to be more effective in front of the whole class. I would also like to understand difference strategies to manage the risk such as, Acceptance, Avoidance, Risk transfer and mitigation. These goals will help me in long term development.