**Learning Journal1**

**Student Name:** [Susmitha Mamula]

**Course:** [Software Project Management]

**Journal URL:** [Insert Publicly-accessible Cloud Service URL]

**Dates Rage of activities:** [9th September 2024 to 20th September 2024]

**Date of the journal:** [13th September 2024 and 20th 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:** |
| 1.Evaluating jobs against projects. 2. Knowing the project initiation, scope, objectives and project charter  3. The significance of developing a project schedule and estimating the initial budget. 4. The SMART objective concept. | 1. Defining project scope and objectives early is essential for the success of real-world software projects.  2. Clear deliverables and a solid understanding of client expectations help projects stay on track and meet their objectives. | 1.Peer discussions encouraged me to comprehend how to include fundamental goals in the Project Charter. 2.These conversations also highlighted the ways in which various workplaces manage the initiation, scope, and objectives of projects. | 1.Initially found challenging to grasp the differences between project scope and objectives, particularly in practical applications. | 1.Explored different project management tools and viewed videos to gain a project manager's perspective. | 1.Learn about the various effort estimation techniques along with ways to apply them to software projects.  2. Start employing the SMART framework to create goals with greater accuracy. |
| 1.Overview of effort estimation techniques, including Function Point Analysis, COCOMO, Delphi, Estimation by Analogy, and Estimation by Expert Judgement. | 1.It is essential, particularly for resource-constrained projects, to comprehend the direct impact that effort estimation has on budget planning and project timelines. | 1.Engaged in discussion how effort estimation is done at different work places.  2. Compared experience-based methods with algorithmic ones like COCOMO to see which works better in different situations. | 1.Found it challenging to understand the practical application of the Function Point Analysis method, particularly in classifying function types. | 1.Explored tutorials and read articles on effort estimation techniques to deepen understanding. | Refine understanding of project scheduling techniques and resource estimation in preparation for future topics. |

Final Journal............................

**Final Reflections:**

**Overall Course Impact:**

My understanding of project management has risen significantly as a result of this course, particularly with regard to the importance of early planning, effort estimation, and project scope definition. It has given me a more structured and organized mindset, which has completely changed the way I approach managing software projects.

**Application in Professional Life:**

The expertise and skills acquired from this course will be helpful in managing software development projects, especially when it comes to establishing project scope and utilizing effort estimation methods such as COCOMO. These abilities can help with resource, schedule, and budget planning in career.

**Peer Collaboration Insights:**

Interacting with peers provided me with essential insights into challenging topics, particularly when it came to project initiation and effort estimation. My understanding of the real-world uses of project management principles has expanded as a result of learning about the perspectives of others in different workplaces.

**Personal Growth:**

This course has boosted my confidence in utilizing project management frameworks and improved my skills in analyzing and breaking down complex projects into smaller, manageable tasks, which will help me advance in my career.

**References Used for Learning:**

1. Abran, Alain & Robillard, Pierre. (1997). Function Points Analysis: An Empirical Study of Its Measurement Processes. Software Engineering, IEEE Transactions on. 22. 895 - 910. 10.1109/32.553638.
2. Raghavendran M, Venugopal A, Ranjit V, Kaushik VN. Paradidymis - Fact/Fiction and its Significance. Urol Case Rep. 2016 Apr 30;7:26-7. doi: 10.1016/j.eucr.2016.03.013. PMID: 27335784; PMCID: PMC4909499.
3. https://en.wikipedia.org/wiki/COCOMO