**FINAL REFLECTION ON THE COURSE LEARNING OUTCOMES**

**Student Name:** Gundavarapu Mounika Satya Vani

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**Git URL:** <https://github.com/gmsv07>

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Throughout this course, I developed a solid understanding of software project management principles and practices. I learned and implemented various topics in our project works while recognizing the importance of defining clear objectives, scopes, and deliverables through tools like project charters. This made me realize how important planning is to achieve success. Each chapter in this course has taught me the important aspects that are very useful from the beginning of the project scope to its closure.

In my last job, we implemented similar actions in our project to meet a client's needs. In every project, before working on it one has to maintain clarity on the objectives and targets of the project. Once the team was clear on the objectives, we had to decide the methodology we needed to work on. I understood the clear requirements of the project and read the charter documents which provided clarity on the roles and responsibilities each team member should perform. Then it is followed by a discussion of how we planned the project and the useful techniques.

Techniques I’ve learned in this course I started implementing in all the others and can complete the project while following the structured planning. I learned it always no important coding but to make the project successful detailed planning, efforts, costs and their determination are also equally important, and understanding the importance of scrum meetings plays a vital role. I came to appreciate how precise estimations can shape better resource allocation and timelines, making projects more manageable.

For example, In my previous academic projects, that is, Hotel Management System I used both FPA and COCOMO to give a vital view of the effort, size, and cost. In the end, I also used the Delphi to validate assumptions. There are too many challenges in combining them but the integration gives a strong estimation. Besides the topics, I learned the importance of effective communication with the team projects. Also by having a discussion, I learned new points which I didn’t know before.

Of all the things I’ve learnt Risk management stood out as the main focus. I realized the importance of identifying and categorizing risks early, whether they were technical, legal, or schedule-related. Learning how to mitigate, avoid, or accept these risks taught me how proactive planning can ensure smoother project execution and reduce uncertainties. In my previous projects, I’ve never realized the importance of this but now in the ongoing risk management plays a key role. I started applying the concepts I’ve learned in this course as categorizing the risks, prioritizing them, and then starting to work on them have been my favorite concept.

Upon learning these concepts, I could recall a situation while I was working in my company on a major project. The final aim of the project is to redevelop an existing product by making several important changes. While we were at our testing stage, there was a server breakdown because of an internal issue and I found my concern team working on various mitigation techniques to resolve the issue.

For example, At the beginning of the project we did a class activity, as a part of it I wrote a project charter, scope, and objectives for a real-world project. Recollecting the topics and applying them in a short period is more challenging. After that found a difficulty at a point in understanding FPA where there are some dysfunctionalities. I struggled with understanding some topics in the lecture. Also in the quiz, I found two of the questions were very challenging and unable to solve.

Exploring different software development methodologies, like waterfall, iterative, and agile, gave me a broader perspective on how to approach projects. Agile and iterative methods, in particular, resonated with me for their adaptability and focus on incorporating user feedback, which is vital in today’s fast-evolving environments.

One of the most impactful lessons for me was the poster presentation idea of "Under Promise and Over Deliver." It inspired me to adopt a more thoughtful approach to goal-setting, focusing on quality rather than quantity, and aiming to exceed expectations without overcommitting. This principle has motivated me to apply it in future projects.

Finally, communication is the central theme of my learning. Group projects and presentations gave me the chance to improve my ideas, learn from people, learn from my mistakes, to refine my ability to explain complex ideas in a simple way. Engaging with my peers opened me up to new perspectives and practical approaches to project management. These experiences like the challenges I’ve faced and things I’ve learned have prepared me to confidently apply what I’ve learned to real-world scenarios.

**Future goals:**

* Deepen my understanding of software project management by studying advanced case studies and participating in more projects.
* Improve exam strategies by focusing on time management and consistent revision.
* Apply lessons from this course to professional scenarios, ensuring effective project planning and execution.