**Student Name:** Khushiben Parikh (40292715) `

**Course:** SOEN 6841 (Software Project Management)

**Journal URL:** <https://github.com/Khushi2111/SOEN-6841-Software-Project-Management>

**Week 2:** Jan 28 – Feb 03

**Date:** 03-02-2024

* **Key Concepts Learned:**

This week's topics highlighted a thorough comparison of effort determining strategies and estimation of resources and the fundamentals of risks in the management of projects. Following are the key principles:

1. How Engineers manually develop software system

2. Resource estimation

3. Significance of level of expertise

4. Risk Management in various areas

5. Effect of risk on project

6. Techniques to deal with potential threats

The comparison of effort estimation strategies illuminated the relevance of choosing the most appropriate approach based on project requirements, and it is necessary in achieving effective project planning for removing possible risks.

* **Reflections on Case Study/course work:**

Important lessons were learned from the case study applying the Delphi technique for collaboration-oriented effort estimation. It was enlightening to estimate project elements collaboratively, exchange individual predictions, and reach a point of agreement. The activity itself showcased the collaborative way of controlling software development endeavors and its significance of awareness throughout the estimation phase. Additionally, engaging in a risk management case study highlighted the vital significance of establishing an extensive plan that addresses the process of identification, assessment, and response. Through actual application in a real-world project and a deeper knowledge of its crucial role in project success, the experience highlighted that understanding the initial stages of a project distinguishes the framework for effectively managing risks.

* **Collaborative Learning:**

My collaborative learnings are as follows:

1) Approach to effort estimation

2) Viewpoints regarding specific estimation

3) Different estimation Methods

4) Awareness of risk management techniques

My understanding of the Delphi method of exercise was much increased by working with peers and also the potential threats has expanded due to talks based on real-world scenarios. The friendly atmosphere made it easier to discuss numerous methods for lowering risk.

* **Further Research/Readings:**

Reading included fragments discussing the drawbacks of experience-based techniques, especially in the light of rapidly evolving technologies like AI and machine learning. These texts provide a spotlight on the vital importance of dynamic methods for estimating and the value of continuous development in the discipline of software project management. Furthermore, readings covered in-depth details about particular risk management techniques and resources. The course material was enhanced by reading up on risk estimation techniques and studying real-life examples of productive project risk management.

* **Adjustments to Goals:**

There was a noticeable shift in the awareness of resource estimates and risk awareness. The emphasis moved to a more advanced comprehension of how skill sets, project duration, and individual speed variances affect the amount of resources needed. With the knowledge gathered this week, the priority of an in-depth study of adaptive calculating techniques was rearranged. I want to take a closer look at advanced management of software project methods this coming week, building on my understanding of risk management concepts. To continue integrating methods for risk elimination into the broader context of software project preparation and execution, I also hope to utilize pleasure in peer debates.