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Course: SOEN 6841 Software Project Management

Journal URL:
https://github.com/Darshansinh28/SOEN-6841-Software-Project-Management

Week 1: September 15 - September 29

Date: 5 October 2024

Key Concepts Learned:

- Risk Management in Software Projects
  - **Definition:** The process of identifying, assessing, and controlling risks to ensure project success and minimize negative impacts.
  - **Importance:** Effectively manage risks to meet project deadlines and objectives while maintaining quality.

- Importance of Risk Management
  - **Project Success:** Effective risk management is essential for achieving project goals, as unmanaged risks like resource shortages and outdated technology can significantly hinder progress.
  - **Resource Allocation:** Understanding risks helps in optimizing resource allocation and project planning.

- Risk Categories
  - **Definition:** A systematic approach to identify potential risks and evaluate their likelihood and impact.
  - **Steps:** Identify risks, analyze likelihood and impact, and prioritize them to focus mitigation efforts effectively.

- Risk Control Strategies
  - **Acceptance:** Acknowledging the risk and its potential impact.
  - **Avoidance:** Modifying the plan to eliminate the risk.
  - **Transference:** Shifting responsibility for managing the risk to another party.
  - **Mitigation:** Reducing the likelihood or impact of the risk.

- Importance of Configuration Management (CM)
  - **Definition:** A process essential for controlling and documenting changes in a software project.
  - **Purpose:** Prevents chaos, schedule delays, and quality issues resulting from uncontrolled changes.

- Key Functions of CM
  - **Configuration Identification:** Defining baseline components of the system.
  - **Configuration Control:** Implementing formal change processes to evaluate and manage changes.
  - **Configuration Auditing:** Ensuring that the system meets defined requirements and standards.

- Benefits of Effective CM
  - **Outcome:** Enhances product integrity, reduces confusion, ensures

compliance with industry standards, limits legal liability, and creates a stable working environment conducive to successful project delivery.

Reflections on Coursework and Case Study:

1. **Foundational Learning**: This week emphasized the importance of estimating efforts and costs in project management and risk assessment.
2. **Future Application:** Plans to integrate these concepts into upcoming software projects to improve effectiveness.

Peer Interactions:

1. **Collaborative Discussions:** Engaged in team discussions about our project objectives and features for the Powered Resume Builder.
2. **Learning from Peers:** Exchanged ideas with classmates regarding unique selling propositions for our project.

Challenges Faced:

1. **Identifying Unique Selling Points:** Encountered difficulty in pinpointing distinctive features for our Powered Resume Builder.

Personal development activities:

1. **Research:** Conducted research on existing Powered Resume Builders to understand their unique selling points and advantages.

Goals for the Next Week:

1. **Market Analysis:** Initiate a market analysis for our course project to better understand our competitive landscape.
2. **Further Reading:** Review Chapter 5 for deeper insights into risk management strategies.