

Learning Journal

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Course: Software Project Management

Journal URL: https://github.com/Jinish-Vaidya/Software-Project-Management/tree/main/Learning_Journal

Week 2: 28th January – 3rd February

Date: 3rd February

Key Concepts Learned:

- Effort estimation techniques like Function Point Analysis (FPA), COCOMO, and Wide Band Delphi are crucial for project planning and resource allocation in software development projects.
- Resource allocation and loading factors play a vital role in optimizing workforce capacity for efficient task handling.
- Continuous product development in software projects emphasizes the iterative nature of development, requiring ongoing effort and cost estimation for long-term project success.
- A case study of a Software as a Service (SaaS) vendor provided practical insights into estimating project size, incremental software development, and continuous operation.
- Introduction of new terms and methodologies such as loading factor, continuous product development, and SLOC (Source Lines of Code) enhanced understanding of effort estimation and project management in software development.
- Started with project and made survey for market analysis.

Application in Real Projects:

- **Resource Allocation and Budgeting:** Effort and cost estimations guide the allocation of resources such as personnel and equipment, as well as budgeting for various project activities, ensuring efficient resource utilization and financial planning.
- **Project Planning and Risk Management:** Estimations aid in creating realistic project schedules, identifying potential risks, and developing mitigation strategies, enabling proactive planning and management of project timelines and potential challenges.
- **Performance Measurement and Continuous Improvement:** Estimations serve as benchmarks for measuring project performance, facilitating analysis of deviations and informing continuous improvement efforts to refine estimation techniques and enhance future project outcomes.

Peer Interactions:

During peer interactions, we discussed the market analysis phase and collaboratively created a market survey form to facilitate our market analysis efforts.

Challenges Faced:

Understanding effort estimation techniques such as Function Point Analysis, COCOMO, and Wide Band Delphi, as well as comprehending concepts related to resource allocation and loading factors in optimizing workforce capacity for efficient task handling. These areas required further clarification and additional effort to grasp fully and apply effectively in project planning and management.

Personal development activities:

Engaged in learning sessions focused on effort estimation techniques like FPA, COCOMO, and Wide Band Delphi to enhance my project planning skills.

Goals for the Next Week:

Reading risk management chapter and going to work on project initiation.