

Learning Journal Week 1

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Course: Software Project Management

Journal URL: <https://github.com/raemonx/SOEN6841/tree/main>

Week 1: 18 January – 27 January

Date: 24 January , 27 January

Key Concepts Learned:

- ❖ This week's lecture introduced the project management processes essential for software development.
- ❖ Also, the significance of clear and well-defined **project charters, project scopes, and project objectives**.
- ❖ **Iterative model** highlighted the benefits of breaking down projects into smaller and manageable iterations.
- ❖ Also, a **SaaS product development case study** was studied about a new project development iteration for advanced appointment scheduling in logistics, which aimed to improve efficiency in supply chain management.
- ❖ Effort Planning is one of the key steps in project initiation phase
- ❖ Some of the popular Effort estimation techniques – COCOMO, Function Point Analysis, Wide band Delphi, etc.
- ❖ Cost estimation – Major cost is due human resources
- ❖ Schedule estimation based on iterative or waterfall model.
- ❖ **Key concepts** - project initiation, planning, execution, monitoring, and control, along with risk management, effort estimation, cost estimation, project charters, project scopes, and project objectives, man months,
- ❖ **New methodologies** discussed - iterative development, agile and waterfall model, scope creep, quality planning.

Application in Real Projects:

- ❖ We could consider the development of a new mobile app to enhance customer interaction for an e-commerce company.
- ❖ An iterative development model would help us get early user feedback and continuous improvement.
- ❖ We would be able to create a clear project - charter, scope, and objectives.
- ❖ In the case study, 22 developers were hired for 6000\$ per month which in total added up to around 3.2 million \$.
- ❖ We could use our gathered knowledge to now plan the effort of a team of developers.

Peer Interactions:

- ❖ Had a fruitful discussion with my peer and studied different project charter, scope, and objective examples available on the internet.
- ❖ Discussed about the different types of project development currently in the market.
- ❖ We discussed how offshore development do the project for lesser price due to which they are quite popular.

Challenges Faced:

- ❖ Had difficulty understanding the appointment scheduling procedure as mentioned in the case study.
- ❖ The term “scope creep” was bit intimidating to understand and would require my attention further.
- ❖ Had difficulty doing the Function Point Analysis. I will try out examples to solidify my understanding on effort estimation.

Personal development activities:

- ❖ I tried to inculcate the ideas of project management and correlate managing my weekly routine.
- ❖ I searched about the different project artifacts like- project charter, project scope etc.
- ❖ I tried to search the average salary of developers and thus create a brief estimate of how much a project should cost.

Goals for the Next Week:

- ❖ I want to understand more on risk management strategies in the project initiation phase.
- ❖ Also, looking into more case studies related to project development.
- ❖ Topics to focus- Risk management, Project initiation phase deliverables.