Learning Journal 1

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Course: SOEN 6841 – Software Project Management

Journal URL: https://github.com/Avilad0/SOEN6841

Dates Rage of activities: 16 January 2025 – 23 January 2025

Date of the journal: 28 January 2025

Key Concepts Learned:

- During the first week of lecture, I got introduced to basic definition of project in terms of software project management. Also learned about the all the project phases which are involved to make project successful (project initiation, project planning, project monitoring and controlling and project closure)
- Also learned about the impact and initiation task needs to implement for our project initiation needs for deliverable
- Also learned key concepts and significance of these terms which makes a project initiation to give a better idea: project charters, project scope and project objectives
- New Term introduced is SMART which is abbreviated as specific, measurable, achievable, relevant and time constraints.
- Another part of project initiation phase of project management which is most essential which is cost and effort estimation. It consists of two main different estimation techniques – experience-based techniques and algorithm cost modeling.
- The main technique which is used most of times and we learned about Functional Point Analysis, Wide band Delphi, COCOMO for making effort estimation.
- Also learned about calculation of all 3 different cost and effort estimation model.
- Key Concepts for FPA calculations: UFP(Unadjusted function point) , VAF (Value Adjustment factor) and also chart to calculate determining functional complexity.

Application in Real Projects:

- We can consider the development of system to enhance and provide a better availability of doctors in healthcare. People have to wait for hours and have to book appointments in advance to see doctors and treatment. A web-based system that allows doctors to upload their availability and patient can make appointments. Also it is a role based access for doctors, hospital managers, patients, nurses and administrators. It can manage patients records, billing, doctors schedule savings people time and get instant treatments.

- The project includes phases like project design, development, testing and maintenance. Initiation of project management includes creating of project charters, requirement, market analysis, and cost and effort estimation.
- Also the project scope should be written in detail with starting time and estimated time to complete the project along with details functionalities needed for the development of the software product.

Peer Interactions:

- Had a significant discussion with peer about the different project charters, scope and objective and performed in-class activity
- Discussed with peers and formed group for project and also formed group for topic analysis and held meeting for the same to prepare poster.

Challenges Faced:

- Had difficulties in understanding the actual different between project scope and objective because they have a fine line of different in expressing the details of project
- Had difficulties doing Functional Point Analysis. I will try to solve example to solidify my understanding of effort estimation using textbook and lecture notes.

Personal development activities:

- I searched about different project artifacts of real-time project like- project scope, charters and objective for in-class activity which helped be to understand the concept more accurately.

Goals for the Next Week:

- We have to prepare and appear for online quiz
- Also have to present by poster presentation based on the topic selected with my fellow teammate.