SPM: Software Project Management

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PREPARED FOR

Engineering Students

All Engineering College

(SPM)
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Published On: Feb, 2023
FALL SEMESTER, YEAR (VIth, 3rd)
FALL SESSION (2022-23)

- **What is Software Project Management?**
- **Who is the project manager?**
- **What are his responsibilities?**

What is Software Project Management?

- A project is a set of tasks that we perform to achieve the required result.
- Every project, whether it is in the field of software or in any other field, definitely has a starting and ending time.
- Every project requires some resources like time, manpower, finance and knowledge-bank, etc.
- Collectively all these resources help us to complete the project.

SPM:Software Project Management

- Project management is a way to lead the team and use all the resources in a managed way,
- so that we can achieve the result we want at the end of the project.
- Its goal is to understand, plan, measure and control the project ,
- so that it can be delivered within time and budget.

SPM:Software Project Management

- Developing software is a complex process, especially if it involves many people working for relatively long periods of time.
- In such a situation it becomes necessary to manage the software project.
- So software project management is a proper method and an art using which we plan, manage and supervise software projects.
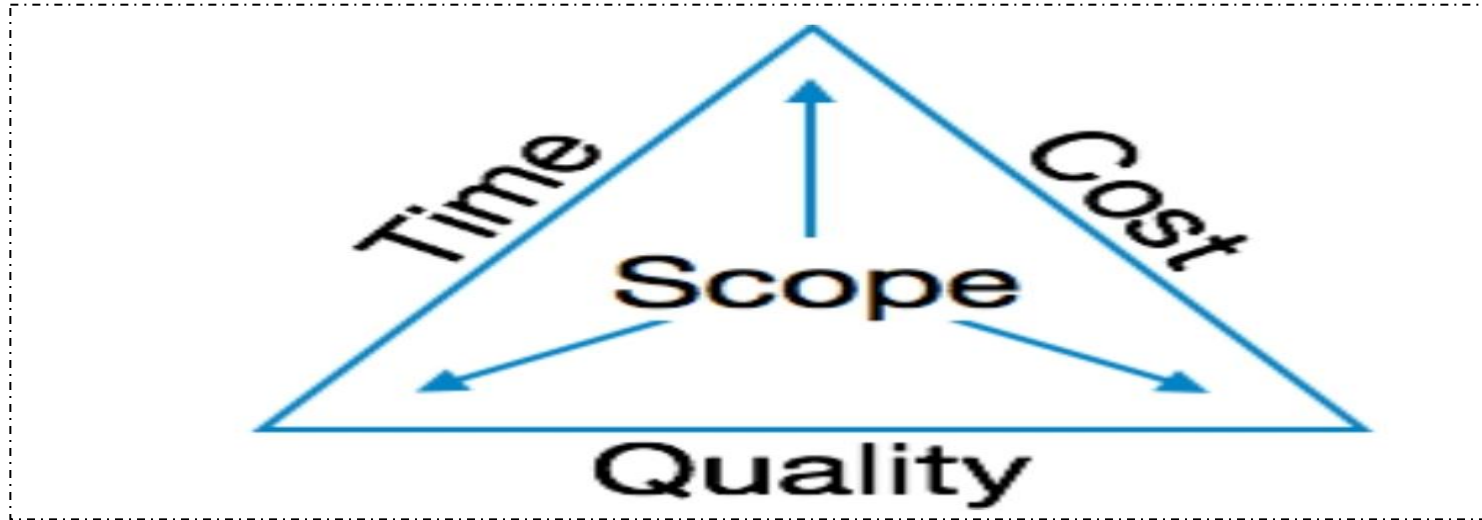
SPM:Software Project Management

- It is a complete procedure,
- that helps to manage a software project in terms of time, budget, and all other constraints.
- SPM is an essential part of software engineering and the most important aspect of software development.

SPM:Software Project Management

- Software project management is mainly concerned with three things
- – time (time), cost (cost), quality (quality).
- These three things are the essential requirements of any software project.
- It is essential that the organization delivers a quality product within its client's budget, keeping the cost in mind and as per the schedule.

SPM:Software Project Management

- **Effective project management ensures that the s/w meets customer expectations and is delivered on time and within budget.**

Software Project Management Activities

Software Project Management includes the following activities:

- Develop a project plan that includes defining and confirming the goals and objectives of the project.
- Planning how these goals and objectives will be achieved.
- Identifying Tasks.
- To prepare mechanism to implement the actions where necessary.
- Setting the budget and deadline for completing the project.
- Determining the amount of resources required, etc.

Project Manager their roles and responsibilities

- Software project management is a complete domain
- and the project manager is the person who is responsible for keeping the entire project under the domain as per the constraints.
- This is the person who keeps the project on track and manages it.
- We can also call it the driver of SPM.

Project Manager their roles and responsibilities

- The project manager monitors the flow of the team's activities,
- and their planning
- and keeping them in a sequence
- and under the constraints of the project.
- He makes significant changes and takes some bold decisions,
- if needed somewhere in the middle of the project depending on the situation.

Project Manager their roles and responsibilities

Responsibilities of the Project Manager:

- **project planning**

- **scope management**

- **Project estimation**

- **resource management**

- **risk management**