

# Software Project Management

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## 1 Introduction

Procurement

The article gives brief explanation of Software Project Management, and its relationship with project and project management. After that, I will explain two key elements of SPM: Project Planning and Project Monitoring and Control. After that, I'll introduce what is the risk assessment.

First of all, what is SPM? Why we need SPM? The reason is that we need to finish a project in a predetermined cost, schedule and quality, so we need to manage and analyze all group members, products and process. The whole stuff is called SPM.

In the project management, we should know some important things. First of all, we should know who the leadership of the team is. After that, we should know how different group communicate with each other. Next, when a problem comes up, what should the team do in order to solve the problem. And a software management should also including how a developer team communicate with their custom. The most important thing is how to organize a team, because if a team cannot coordinate with each other, their product may failed. Lastly, a software project management should also think about the whole process, because a SPM may include many phases, and how to arrange them should be considered in SPM.

What should be considered in a SPM?

Integration, Scope Time, Cost, Quality, Human Resource, Communications, Risk and

## 2 Overview: two important things in SPM

### 1. *Project Planning:*

In a SPM, project planning is a significant phase in SPM, because we should identify the scope of the project and create a project schedule. And after that, we should defined which software or tools we should use in SPM, and deciding the requirement of SPM.

### 2. *Project Monitoring and control*

The purpose of project monitoring and control is to keep the team and management up to date on the project's progress, and if a team cannot keep up with the whole plan, then the leader should take some action to correct this, So in order to monitoring and control the project, we need to keep update the project status, and gathering the update logs from all team members, and if some changes happened, we should take an action to adapt the new situation.

## 3 Summary

This paper introduced the concept of SPM, and present two important things in SPM, including project and project monitoring and control.