What is SPM?

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Abstract

What is SPM? SPM is software project management. It is a sub-discipline of project management in which software projects are planned, monitored and controlled. This article will introduce the difference between the software project management and project management. As many software engineer know, a software project usually fail without the software project management. So it is necessary to understand the importance of it.

Keywords: software engineering, project management, planning, risk assessment

1 Introduction

The software project management is one of the project management.The software engineer should be focus on the range of the project, the risk, the resource, the achievement, the workload of the team and the planning in order to make the software project development succeed. This management should start before the start of the technical work, in the process of software from concept to implementation to continue and terminates when the last at the end of the software engineering process

- What is project management?
- What is the difference between the software project management and project management
- What is the similarity between the software project management and project management
- Why is the software project management important?
- Project Management Knowledge Areas

What is project management?: It is the discipline of planning, organizing, and managing resources to bring about the successful completion of specific project goals and objectives.

What is the difference?: The object of the software project management is a software engineering projects.It involves the scope covers the whole process of software engineering.

What is the similarity?: They all should need project management skills, such as leadership, communications, problem Solving, negotiating, influencing the Organization, mentoring, process and technical expertise. They all should need some similar positions, such as Project Administrator / Coordinator, Assistant Project Manager, Project Manager / Program Manager, Executive Program Manager,V.P. Program Development.

What is the importance of SPM?:

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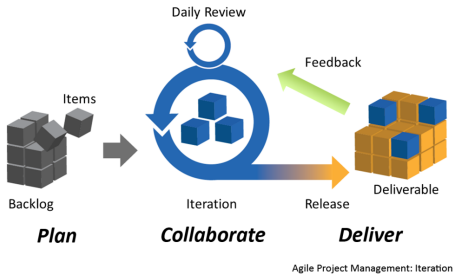

Figure 1: *Agile project management encompasses several iterative approaches based on the principles of human interaction management and founded on a process view of human collaboration. Agile-based methodologies are "most typically" employed in software development as well as the "website, technology, creative, and marketing industries."[23] This sharply contrasts with traditional approaches such as the Waterfall method. In agile software development or flexible product development, the project is seen as a series of relatively small tasks conceived and executed to conclusion as the situation demands in an adaptive manner, rather than as a completely pre-planned process." Each trip around the spiral traverses four basic quadrants: (1) determine objectives, alternatives, and constraints of the iteration; (2) evaluate alternatives; Identify and resolve risks; (3) develop and verify deliverables from the iteration; and (4) plan the next iteration. Begin each cycle with an identification of stakeholders and their "win conditions", and end each cycle with review and commitment.*

Project Management Knowledge Areas: In order to manage the project, you should know Project Integration Management, Project Scope Management, Project Time Management, Project Cost Management, Project Quality Management, Project Human Resource Management, Project Communications Management, Project Risk Management, Project Procurement Management.

2 Related Work

Refer to literature on the particular computer graphics effect you want to synthesize (e.g., published articles, books, conference proceedings, web articles) provide a comprehensive review - and use the correct citation format, e.g., [**?**].

Related work should finish with a summary paragraph - emphasising the crucial similarities or differences between existing methods presented in the literature. For example: (1) you might want to modify the technique so it is less accurate but more efficient; (2) or you combine different techniques from different approaches; (3) or you are simplifying the algorithm to make it run with different outcomes.

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