What is SPM

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Software Project Management

Abstract

This aim of report is to explain what is SPM. From project, project management, project planning and project monitoring and control those several aspects to explain what is SPM. This report is let readers specifically to know SPM. And summary what we had learned in class.

1 Introduction

SPM is software project management. Software project management is a sub-discipline of project management in which software projects are planned, monitored and controlled. The project management is the discipline of planning, organizing, and managing resources to bring about the successful completion if specific project goals and objectives. Project management include software project management. Therefore, knowing what is project management is very important. Project management have very specific setup to let us know how to manage a project. Because of project management has very specific setup such as project management has professional organization and certifications. We need know all the information in the project management. First is to know specific definition with all part in SPM. Second we need to find the connection between those parts in SPM. Why them has to be in the SPM. When we need this part.

2 Related Work

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The article is based on work to support Software Project Management.

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3 Overview

Project: a temporary endeavor (having specific start and completion dates) undertaken to create a unique product or service.

A project may need one to thousands person and may be completed in hours, several months or years.

Project management need several like leadership, communications, problem solving, negotiating, influencing the, mentoring, process and technical expertise.

Project Management Knowledge Areas: PMI has suggested 9 knowledge areas.

Project Planning: developed to describe the tasks that will lead to completion.

Project Monitoring and Control: project monitoring and control involves status meetings to gather stats from the team.
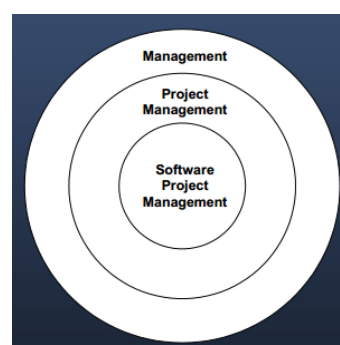
4 Methods/Techniques

Related to Project Management:

Professional Organizations: Project Management Institution (PMI), Software Engineering Institute(SEI), IEEE Software Engineering Group.

Project Management Knowledge Areas:

1 Project Integration Management

2 Project Scope Management

3 Project Time Management

4 Project Cost Management

5 Project Quality Management

6 Project Communications Management

7 Project Risk Management

8 Project Procurement Management

Project planning: its purpose is to identify the: scope of the project, estimate the work involved, and create a project schedule.

Project monitoring and control: its purpose: to keep the team and management up to date on the project's progress, if the project deviates form the plan, then the project manager can take action to correct the problem.

5 Conclusion

For the SPM, the most important theoretical basis is project management. Therefore, to know SPM, first we should know what is project. Second we should know what is project management. Project is a temporary endeavor (having specific start and completion dates) undertaken to create a unique product or service. Project management is the discipline of planning, organizing, and managing resources to bring about the successful completion of specific project goals and objectives. Software project management is a sub-discipline of project management in which software projects are planned, monitored and controlled. To learn batter in the SPM, we should know serval part of project management. First is project management skills. Second is project manager positons. Also we should know project management knowledge areas. Because those parts of project management is also can use in the software project management. And SPM has its own parts which is project planning and project monitoring and control.