

What is SPM

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Abstract

The article gives a brief explanation to the highly valuable nature of software project management (SPM). Including the introduction, history of project management, process. SPM is a knowledge of coach software project process canonically.

1 Introduction

Software project management is a sub-discipline of project management in which software projects are planned, monitored and controlled. People usually mention project or project management in daily life. For example, the class picnic, group activities organized by school. It is all project management that humans have been carried out organization of work ,teamwork and housing construction projects. Project is a limited effort for complete some specific service or product. Subject has the following characteristics:

- 1 it has purpose
- 2 relativity
- 3 periodicity
- 4 specificity
- 5 restrictions
- 6 uncertainty

Software is a part of computer system. It contains subjects,data and related documents. Software project management is an activity to analysis and manage cost, people, progress, quality and risk for make sure software project according to predetermined cost ,speed of progress and quality.

2 History of Project

Management

The earliest project came from building project. Even though there are not concept of project management clearly. A successful building project must has a strict system of organization and management. Project management is a production of World War II . It set up a whole project conception in Manhattan Project, including the supervisor of project, the organization structure of project, independent funds of project, the plan , the process and control method of risk. Project management is a method of plan management developed in late 1950s. It can say the development that is promoted by the military competition between the Soviet Union and the United States. In that time, the Soviet Union and the United States is in a state of cold war, the Soviet Union launched the first artificial satellite made US panic, so US decided to intensify the development of aviation technology. In order to excess the Soviet Union, us has to develop the level of project management, researching new management methodology and tools. At that time, Program Evaluation and Review Technique (PERT) and Critical Path Method (CPM) were born. After that.,people borrowed megacomputer to analyze internet plan to build more reasonable and reliable plan.

3 Process

To start software project, also means to confirm the range of the target. In the process of start it, we have to pay attention to define the range of project. Then begin to plan the project. It is a complex process, and provide

reliable implementation foundation for the running of project. As building the plan, then executed the plan. It includes execute the process by plan and control it. The last step is to end software project. Because one of the characteristics of the project is it's disposable. It always have beginning as well as ending. The main job is to make the project termination decision properly, and confirm the achievements of the project. At the same time to review the project and conclusion it.

4 Conclusion

The main job of software project management is preparing project planning and tracking monitoring project.

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References

Hui Xia, Chuansheng Zhou, 2015, *Software Project Management*