

What is SPM?

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Abstract

Project management is a new management discipline based on the fundamental of modern management. Project management is to make the work of the project in accordance with the predetermined requirements, cost, schedule, quality of the successful completion of personnel, products, processes, and project, analysis and management activities. And the object of SPM (software project management) is a software engineering project.

1 introduction

Software project management is to enable software projects can be completed smoothly according to predetermined cost, schedule, quality, analysis and management of the activities of staff (people),

and management of the activities of staff (people), product, process and project. Setting clear goals and milestones can better solve the problem of the balance between demand and solve the resources, time and quality. First

in software development, reasonable configuration of personnel, according to the workload of the project, need professional skills, and then refer to the various personnel ability, personality, experience, organization a efficient and harmonious development group. In general, the number one team in between 5 to 10 is the most appropriate, if the project is large, can adopt the hierarchical structure, configuration of several such development team. The points of bring a software project successful close is to select members of the elite, the goal must be clear, the scope should be clear, the communication should be timely and adequate, to encourage members to work on.

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2 history of software project management

Software project management is put forward in the United States in the mid 1970s, when the U. S. Department of defense devoted to the study of the software development cannot be submitted on time, budget and quality is not up to the requirements of the user. The results showed that 70% of the project because of the improper management rather than technical reasons. So the software developers began to pay attention to the management of software development. By the middle of 1990s, software R & D project mismanagement problems still exist. In 1995, according to statistics, the United States to cancel the \$81 billion of commercial software project, which 31% of the project unfinished is cancelled, 53% of the software project schedule is usually 50% longer than the time, only 9% of software projects can timely delivery and cost control within the budget.

3 overview

The fundamental purpose of software project management is to make software project especially large projects of the

whole software life cycle from analysis, design, coding and testing, maintenance process) under the control of managers to predetermined cost on schedule, according to the quality of the completed software delivery for the user. The research of software project management in order to general principles, guiding the future development of the methods are summarized from the success or failure of the case, while avoiding the mistakes of.

4 conclusion

Software project management is to enable software projects can be completed smoothly according to predetermined cost, schedule, quality, analysis and management of the activities of staff (people), product (product), process (process) and project (project).

5 references

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