Software project management

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Abstract

The purpose of this article is to provide an extended overview of Software project management ,and many important issues around which such knowledge should be structured. The introductory section merely introduces the issues and the context within which the other sections discuss them. Each of the remaining sections covers one of the issues in more detail. The idea has been to provide a balanced coverage of the issues from both the manager's and the developer's perspectives.

Keywords

Software development process, management practices, metrics, organizational aspects, standards.

1 Introduction

Software development is a complex process involving such activities as domain analysis, requirements specification, communication with the customers and end-users, designing and producing different artifacts, adopting new paradigms and technologies, evaluating and testing software products, installing and maintaining the application at the end-user's site, providing customer support, organizing end-user's training,

envisioning potential upgrades and negotiating about them with the customers, and many more.

2 Modern history of Software project management

The modern history of project management software really took off in the Eighties and Nineties, when the information management sectors grew in leaps and bounds, especially with the advent of the personal computer and networking facilities. This growth resulted in low-cost PCs that can do multi-tasking and efficiently managing complex project schedules. This allowed for the growth of project management techniques as well as software programs. Examples of big projects done during this rapid growth of information technology include the England-France Channel project and the Space Shuttle Challenger project.
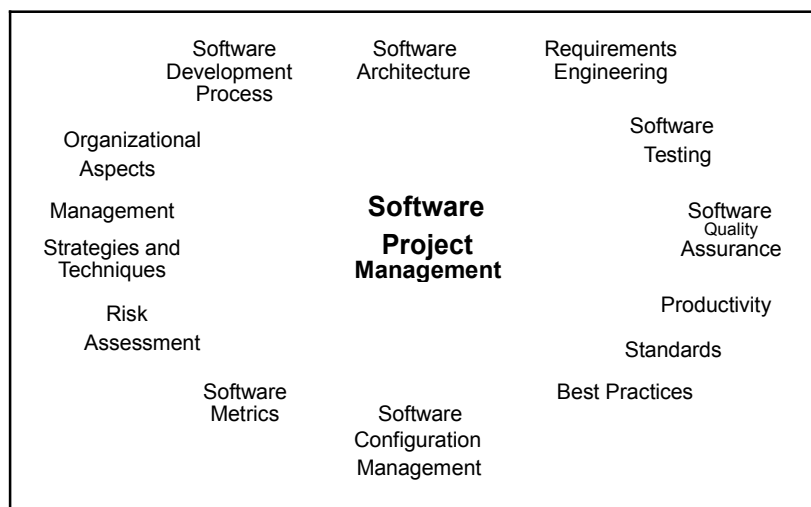
3 Overview

The object of project management software is a software engineering project. It covers the entire process of software engineering. For the success of the software project development, the key problem is to work on software project scope,potential risk,   resources needed (people, hardware / software), to achieve the task, experienced a milestone, spend effort (cost), schedule, accomplish know fairly well. This

management should begin before the technology work began, continue in the software process from concept to implementation, shut it down when the software engineering process is at the end .

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 , process and project .

4 Method

Software Development Process | Software Architecture | Requirements Engineering

Organizational Aspects

Software Testing

Management

Strategies and Techniques

Software Project Management

Software Quality Assurance

Risk Assessment

Productivity

Standards

Software Metrics

Best Practices

Software Configuration Management

There are some important issues of software project management,such as software testing ,software development process and requirement engineering.Thus we are going to understand the whole system of the Software project management.That is a big deal.

5 Conclusion

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 from 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 at the same time.

References

1.History Of Project Management Software: How It Developed

  (finance online.com)

2.Software Project Management(Vladan Devedzic)

3.Software Project Management

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