

Software Project Management

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Abstract

The article provides some information about SPM—Software Project Management. At first, this article answers the question about “What is SPM?”. It gives information about SPM’s history and specific content about SPM such as Tasks and activities. On the other hand, this article tells us “Why is SPM so important?”. The article provides some reasons to solve this problem.

Keywords: Software Project Management

1. Introduction

SPM is project management in which software projects are planned, monitored and controlled. And SPM plays a very important role in software development.

We answer these problems in the article:

(1)What is SPM?

(2)Why is SPM so important?

(1)What is SPM?

SPM has the capacity to help plan, organize, and manage resource tools and develop resource estimates. Depending on the sophistication of the software, it can manage estimation and planning, scheduling, cost control and budget management, resource allocation, collaboration software, communication, decision-making, quality management and documentation or administration systems. Today, numerous PC & browser based project management software solutions exist and they are finding their way into almost every type of business.

Tasks and activities

SchedulingOne of the most common project management software tool types is scheduling tools. Scheduling tools are used to sequence project activities and assign dates and resources to them. The detail and sophistication of a schedule produced by a scheduling tool can vary considerably with the project management methodology used, the features

provided and the scheduling methods supported.

Providing information Project planning software can be expected to provide information to various people or stakeholders, and can be used to measure and justify the level of effort required to complete the projects.

History of SPM

The origins of project management software are rooted in the 1950s when Dupont Chemical collaborated with mainframe computer maker Remington Rand (Univac) to devise the Critical Path Method of network scheduling (CPM). This method was tested in 1958 with the construction of a major new chemical plant. In parallel, the US Navy working together with Lockheed Aerospace devised the automated Project Evaluation Review Technique (PERT) for the Polaris Missile program that ran on the IBM mainframe. Mainframe and Mini computers dominated the project management software arena until the early 1980s when PC computers began to proliferate across business and government circles alike.

(2)Why is SPM so important?

The basic method of using software project management is that manager can control all the software life cycle from analysis、design、coding and testing to maintaining. In order to summarize the common method for software development ,SPM is used in the software development.

If a software project does not have management,it is different to guarantee the profit for company. And the company will assume more risk. So SPM can help company to avoid more risk. Whatever the project is terrible at first, the manager can plan how to improve and change rather than continuing the wrong planning. Thus SPM can improve efficiency. If the software development uses SPM, it has ways to manage the whole plan for software.

2.Overview

From the article, we know what SPM is and the reason of its important. In brief, SPM will control the software project and help the development more successfully.

References

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