What is SPM

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Software Project Management

Abstract

The fundamental goal of software project management is to make software project, especially large projects throughout the software life cycle, from the whole process of analysis, design, coding, testing, maintenance) can be under the control of managers, at the scheduled cost, on schedule and qualified to complete the software delivery users.

1 Introduction

• Managing people, process and problems during a software

project

• Relating software metrics with software projects

• Estimating effort, cost and project duration

• Risk assessment techniques

• Project scheduling

• Project quality management

• Formal Technical Reviews (FTRs)

• Change management during software development and

after delivery to customer

2 Related Work

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.

3 Overview

Software project management refers to managing projects related to development of software. In it you manage various phases, tasks allocated to various team members to ensure that the project is completed in time and successfully. It is required so that the work is uniformly distributed and the delivery is timely so that the cost doesn't rise. The choice of project management varies with requirement.
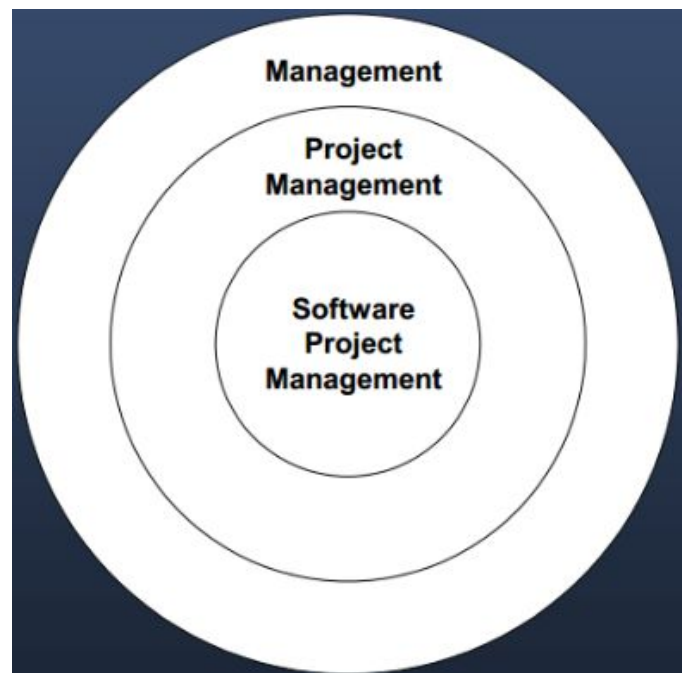
4 Methods/Techniques

Project Management Skills
Leadership
Communications
Problem Solving
Negotiating
Influencing the Organization
Mentoring

Process and technical expertise

These are related to Project Management
Professional Organizations
Project Management Institute (PMI) (pmi.org)
Software Engineering Institute (SEI)
IEEE Software Engineering Group

PMI has suggested 9 Knowledge Areas
Project IntegrationManagement
Project ScopeManagement
Project TimeManagement
Project CostManagement
Project QualityManagement
Project HumanResourceManagement
Project CommunicationsManagement
Project RiskManagement
Project Procurement Management

5 Conclusion

Overview of what Software Project Management is
Later, we'll see why projects fail
Lack of planning, poor management, time-
management, unclear goals, lack of
testing, …

6 Acknowledgements