

Software Project Management Essentials – 3 Days

PMSoft is conducting this training program, which is designed to expose the participants to an integrated approach to Project Management. It is designed to develop the basic knowledge needed to manage projects effectively.

Learning Objectives:

- Create an open collaborative environment to facilitate interactive/ group learning
- Overview of best PM practices and the evolution of today's dependence on excellence in PM implementation.
- Understanding the sequential and situational aspects in planning process and role of facilitating process
- Establish a common vocabulary and understanding of basic Project Management terms and concepts from PMBOK, project, project management, operations, programs, stakeholders, earned value, scheduling techniques, and project managers responsibilities and competencies.
- Software project management essentials like configuration management, software metrics, selection of appropriate tools and compatibility with existing quality models of the organization.

Process Group: All

Duration: 3 days

Course Outline:

Day 1:

Overview of Project Management: Introduction and Key Concepts in PM. Reasons why PM is needed Differences between Projects & Operations Trends in PM List Project Success & Failure. Project Structures, Project Life Cycle Models. Understanding Need/Requirement lifecycle in perspective of project scope management, and defining success criteria of a project.

Day 2:

Planning Process-Project Time Management, Execution Process, Managing interpersonal conflicts and nuances of effective communication with stakeholders, Overview of Project Risk Management and Project Integration Management ,Understanding Organizational Impacts on projects, Bridging knowing-Doing gaps.

Day 3: Software configuration Management, Software metrics & quantitative project management

Basic concepts, Identification of Configurable items on a project,- Baseline determination Establishing configuration control mechanism in the project,- Baselineing (Traceability) Back Ups & Recovery ,Configuration Planning (Dir structure, configuration related docs, naming conventions, access rights,Configuration control board, configuration tool selection and connection with CMM, CMMi, ISO, S/W development project metrics,- s/w support project metrics, Process & Product Metrics,Metrics implementation in organization, Metrics interpretation (Dashboards for Mgmt, Trends Analysis) & decision making, Process capability baselining, Connection with CMM/CMMi/ISO Cases on Metrics computation