

Project Scheduling Professional

Objectives

Each project is a unique by itself and each project implementation has its own experience and requirements. Well planned and detailed scheduling creates a framework, baseline and estimate for project completion. It organizes the activities flows, resources planning, procurement planning as well as cash management

A key component of the successful project planning is identifying and scheduling project activities and their sequence. This workshop will provide the practical experience, tools and techniques to identify project activities, estimating durations, scheduling and controlling project schedule

Who should Attend?

Project Scheduling Professional is oriented to professionals in the field of project management that handle project activity identification, scheduling and monitoring and. It is designed for:

- Project managers, PMO managers, team members and project sponsors seeking greater insight in time and scheduling management
- Project management professionals seeking (PMI-SP)SM certification and credential

Duration

The training will provide the participants with 30 hrs of Project Scheduling education needed as a prerequisite of the (PMI-SP)SM Credential.

Language

The course material is delivered in English. It could be supplied in different languages upon request

Certification

Participants will receive attendance certificates upon the completion of the workshop. Participants will be awarded 30 Contact hours / Professional Development Units (PDU) hours needed to acquire the (PMI-RMP)SM certificate.

Please note that the participants will pursue the examination and certification process independently and individually. The trainer will be ready to offer advice. More information about the (PMI-RMP)SM certification is available on the following link:

<http://www.pmi.org/CareerDevelopment/Pages/AboutCredentialsPMI-SP.aspx>

Topics Covered:

- Schedule Mission Management

- Schedule Creation & Analysis
 - Project Activities
 - Defining
 - WBS
 - Work Packages
 - Templates
 - Wave Planning
 - Planning Components
 - Activity List
- Activities Mapping
 - Inputs & Sequencing
 - Network Diagrams
 - Precedence Diagramming Method
 - Arrow Diagramming Method
 - Activity Dependencies
 - Leads & Lags
 - Sequencing
- Resources Requirements
 - Resource Pool
 - Resource Calendar
- Activity Durations
 - Estimates
 - Expert Judgment
 - Analogy
 - Parametric Estimates
 - Three Point Estimate
 - Factoring in Reverse Time
 - Estimates Evaluation
- Project Schedule Development
 - Network Diagram
 - Constraints
 - Assumptions & Risks
 - Activities Attributes
 - Mathematical Analysis
 - Critical Path Method (CPM)
 - PND Float Calculation
 - Duration Compression
 - Project Simulation (Monte Carlo)
 - Resources Leveling Heuristics

- Critical Chain Method

- Controlling & Maintenance of the Project Schedule
 - Inputs Management
 - Schedule Control System
 - Project Performance
 - Schedule Variance
 - Updating
 - Corrective Action

- Project Schedule Communication/ Reporting
 - Communication Plan
 - Communication Tools
 - PND
 - Bar Charts
 - Milestone Charts
 - Resources Charts and Utilization
 - Variance Reports
 - Progress Reports