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Register

PMI - SP® Certification Training

5 days (35 hours)

Overview

PMI-SP® (Scheduling Professional) is an international certification issued by the Project Management Institute (PMI)® that validates expertise in advanced project schedule management. It certifies the ability to structure, analyze, and optimize complex schedules in multi-project and strategic environments.

Our PMI-SP® Certification training will enable you to master professional scheduling standards according to PMI®: WBS structuring, activity sequencing, critical path, resource management, probabilistic analysis, and Monte Carlo simulation.

You will develop a rigorous and methodical approach to securing your schedules and improving the time performance of your projects.

You will learn how to build robust schedules, analyze time deviations, integrate risks into your schedules, and effectively communicate planning indicators to stakeholders and the PMO.

At the end of the training, you will be able to structure and manage complex schedules, optimize resource allocation, and effectively prepare for your certification.

Like all our training courses, this one is based on the latest [PMI-SP®](#) standard and takes a practical and operational approach.

Objectives

- Master advanced schedule management concepts.
- Build and analyze a schedule using CPM and PERT.
- Optimize resources and secure project deadlines.
- Integrate risks and simulations into scheduling.

- Prepare for and pass the PMI-SP® certification.

Target audience

- Experienced project managers
- Planners
- PMO
- Multi-project planning managers

Prerequisites

- Project management experience
- Basic knowledge of planning
- Proficiency in Microsoft Project or equivalent software recommended

PMI-SP® Certification Training Program

[Day 1 - Morning]

Fundamentals of Scheduling according to PMI®

- Role of the Scheduling Professional
- Positioning of PMI-SP® in the PMI ecosystem
- Difference between project management and schedule management
- Life cycle of a schedule
- Key Concepts: WBS, Milestones, Dependencies
- Practical workshop: Critical analysis of an existing schedule.

[Day 1 - Afternoon]

Structuring and modeling schedules

- Building a Work Breakdown Structure
- Activity sequencing techniques
- Types of dependencies (FS, SS, FF, SF)
- Constraints and schedules
- Critical milestone management

Advanced planning methods

- Critical Path Method (CPM)
- Program Evaluation and Review Technique (PERT)

- Slack and float analysis
- Schedule compression (fast tracking, crashing)
- Practical workshop: Calculating the critical path.

[Day 2 - Morning]

Estimating and timing activities

- Estimation techniques
- Probabilistic analysis
- Contingency reserves
- Bottom-up vs. top-down methods
- Integrating risks into planning

[Day 2 - Afternoon]

Resource management and leveling

- Resource allocation
- Resource leveling
- Load optimization
- Conflict analysis
- Simulation tools

Schedule tracking and control

- Earned schedule
- Time variance analysis
- Performance planning KPIs
- Executive reporting
- Hands-on workshop: Planning variance analysis

[Day 3 - Morning]

Planning risk management

- Identifying time-related risks
- Qualitative/quantitative analysis
- Monte Carlo simulation
- Mitigation plans
- Integration into master planning

[Day 3 - Afternoon]

Governance and communication planning

- Role of the strategic planner
- Interaction with the PMO
- Communication of delays
- Stakeholder management
- Collaborative tools

Multi-project and program planning

- Multi-schedule coordination
- Interdependency management
- Portfolio and prioritization
- Milestone synchronization
- Practical workshop: Multi-project case study.

[Day 4 - Morning]

Professional scheduling tools

- Microsoft Project
- Primavera P6
- Cloud-based collaborative tools
- Best practices for structuring
- Automation and templates

[Day 4 - Afternoon]

PMI compliance and best practices

- PMI-SP Exam Content Outline Domains
- Applicable PMI standards
- Ethics and Professional Responsibility
- Documentation and audit planning
- Strategic alignment

Advanced Performance Analysis

- Leading indicators
- Completion forecast
- Predictive analytics
- Applied statistical methods

[Day 5 - Morning]

Complete strategic planning case study

- Complete construction of a schedule
- Integration of risks + resources
- Final optimization
- Executive presentation
- Strategic validation

[Day 5 - Afternoon]

Structured review of PMI-SP® domains

- Breakdown of exam domains
- Weighting of topics
- Question types
- Common pitfalls
- Review strategy

Preparation for the PMI-SP® exam

- Official exam format
- Time management (4 hours)
- Speed reading techniques
- Simulations and sample questions
- Practical workshop: Mock exam + correction.

Companies concerned

This training is aimed at both individuals and companies, large or small, wishing to train their teams in new advanced IT technology or to acquire specific professional knowledge or modern methods.

Placement at the start of training

The placement test at the start of the training course complies with Qualiopi quality criteria. Upon final registration, learners receive a self-assessment questionnaire that allows us to assess their estimated level of proficiency in different types of technologies, as well as their expectations and personal objectives for the upcoming training course, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could be problematic for the monitoring and smooth running of the training session.

Teaching methods

Practical training: 60% practical, 40% theory. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the trainer, supported by examples and discussion sessions, and group work.

Assessment

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been correctly acquired.

Certification

A certificate will be issued to each trainee who has completed the entire training course.