PMI SCHEDULING PROFESSIONAL (PMI-SP) EXAM PREPARATORY COURSE



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Introduction

PMI Scheduling Professional (PMI-SP) Exam Preparatory Course is a focused Training Course that prepares professionals to build, analyse, and maintain project schedules to a professional standard. Participants learn scheduling theory, then apply it to realistic project cases, including network analysis, float calculation, and schedule risk. The programme follows the PMI scheduling framework, covering schedule strategy, schedule planning, schedule development, and schedule maintenance and analysis. Furthermore, it builds the exam technique and knowledge depth needed to answer scheduling questions with confidence. As a result, learners leave stronger in both practice and preparation.

PMI Scheduling Professional (PMI-SP) Exam Preparatory Course Objectives

- Define schedule strategy and select the right scheduling approach.
- Build activity lists, sequencing rules, and dependency relationships.
- Apply the critical path method and calculate total and free float.
- Perform schedule network analysis with PERT and duration estimating.
- Develop resource-loaded schedules with levelling and calendars.
- Apply schedule compression through crashing and fast tracking.
- Analyse schedule risk with Monte Carlo simulation and buffer placement.
- Maintain schedules using baselines, updates, and progress rules.
- Apply earned value metrics to schedule performance (SPI, SV).
- Develop exam technique for scheduling scenario and calculation questions.

Course Methodology

- Workshop sessions built on realistic scheduling case studies.

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- Guided practice with network diagrams and float calculations.
- Timed exercises that mirror exam-style scheduling questions.
- Simulation on schedule risk, compression, and recovery options.
- Group review of participant schedules and analysis notes.
- Case studies from construction, IT, and engineering projects.

Who Should Take This Course

- Project planners and scheduling engineers.
- Project managers responsible for schedules.
- Project controls and PMO analysts.
- Cost and planning specialists.
- Programme coordinators managing multiple schedules.
- Professionals preparing for scheduling certification.

PMI Scheduling Professional (PMI-SP) Exam Preparatory Course Course Outlines

Day 1: Schedule Strategy and Planning Foundations

- Schedule management plan and scheduling approach.
- Schedule strategy for predictive, agile, and hybrid projects.
- Activity definition from work breakdown structures.
- Milestone definition and scheduling conventions.
- Calendars, working time, and shift patterns.
- Scheduling software and data structure basics.
- Schedule governance and approval requirements.

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Day 2: Schedule Development and Network Analysis

- Activity sequencing and dependency types.
- Precedence diagramming method (PDM) and network construction.
- Critical path method and forward and backward pass.
- Total float, free float, and near-critical path identification.
- Duration estimating methods in scheduling context.
- PERT and three-point estimating.
- Schedule baseline establishment.

Day 3: Resource Management and Schedule Optimisation

- Resource estimating and resource loading.
- Resource levelling and smoothing techniques.
- Handling resource calendars and availability constraints.
- Schedule compression: crashing and fast tracking.
- What-if analysis and alternative schedule options.
- Buffer and contingency placement in schedules.
- Optimisation trade-offs between cost and duration.

Day 4: Schedule Maintenance and Analysis

- Progress measurement rules and percent complete methods.
- Schedule updates and baseline maintenance.
- Schedule variance analysis and delay identification.
- Earned value schedule metrics: SPI, SV, and forecast dates.

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- Schedule health checks and quality reviews.
- Schedule risk analysis and Monte Carlo simulation.
- Recovery planning and corrective scheduling.

Day 5: Exam Preparation and Applied Practice

- Review of scheduling terminology and concepts.
- Calculation drills: float, dates, and critical path.
- Scenario questions on compression, risk, and recovery.
- Common exam traps and elimination strategies.
- Timed mock examination and review.
- Personal study planning and knowledge gaps.
- Building a personal scheduling practice plan.

Conclusion

By successfully completing PMI Scheduling Professional (PMI-SP) Exam Preparatory Course, participants will gain a complete command of professional schedule development and analysis. They will have acquired practical skills in network analysis, critical path and float calculation, resource and risk scheduling, schedule maintenance, and earned value schedule metrics. In addition, they will know how to answer scheduling scenario questions with method. Gentex Training Center delivers this course so professionals can apply scheduling practice with confidence.

FAQs for the PMI Scheduling Professional (PMI-SP) Exam Preparatory Course course

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Q1 What is the "PMI Scheduling Professional (PMI-SP) Exam Preparatory Course" course about?

It is a five-day programme on professional project scheduling and its exam preparation. It covers schedule strategy and planning, network analysis, resource optimisation, schedule risk and compression, schedule maintenance, earned value schedule metrics, and exam-style practice.

Q2 What are the key benefits of the "PMI Scheduling Professional (PMI-SP) Exam Preparatory Course" course?

Participants build schedules with defensible logic instead of guesswork. They calculate critical paths and float accurately, model schedule risk, and recover delayed work with evidence. They also gain the technique and stamina to work through scheduling scenario and calculation questions with accuracy.

Q3 What skills will I gain from the "PMI Scheduling Professional (PMI-SP) Exam Preparatory Course" course?

You will gain schedule planning and network analysis, critical path and float calculation, resource and risk-based schedule optimisation, and schedule maintenance, variance analysis, and reporting.

Q4 What tools, methods, or standards are covered in the "PMI Scheduling Professional (PMI-SP) Exam Preparatory Course" course?

The course covers the PMI scheduling framework, precedence diagramming method, critical path method, forward and backward pass, total and free float, PERT and three-point estimating, resource levelling, crashing and fast tracking, Monte Carlo schedule risk analysis, baseline maintenance, and earned value metrics such as SPI and SV.

Q5 How is the "PMI Scheduling Professional (PMI-SP) Exam Preparatory Course" course applied in real-world practice?

Participants apply it by building baseline programmes, running float and critical path analysis, maintaining schedule updates, assessing delay claims, and forecasting completion dates. Planning teams in construction, engineering, and IT use these methods to protect delivery commitments.