Planning and Scheduling Professional (PSP) Course

Venue Information

Venue: London UK

Place:

Start Date: 2026-09-08

End Date: 2026-09-12

Course Details

Net Fee: £4750.00

Duration: 1 Week

Category ID: P,PACC

Course Code: P,PACC-50

Syllabus

Course Syllabus

Introduction:

This intensive 5-day course is meticulously crafted to cater not only to project planners, schedulers, and project management professionals but also to Maintenance Engineers and Maintenance Planners. It's designed to enhance capabilities in project planning and scheduling across various roles.

This course covers the essential tools and techniques used in the industry, tailored to meet the specific needs of those involved in both project management and maintenance planning.

Participants will acquire the skills needed to develop, maintain, analyze, and communicate schedules effectively, ensuring they are well-prepared to tackle the challenges unique to maintenance operations and project scheduling alike.

Objectives :

By the end of this course, participants will be able to:

- Utilize project management software tools to create, update, and monitor project schedules.
- Analyze project performance and make recommendations for schedule improvements.
- Prepare effectively for the PSP certification exam, understanding the format, content, and best strategies for success.

Course Outline:

Day 1: Principles of Project Planning and Scheduling

- Introduction to project management lifecycle
- Fundamentals of effective project planning and scheduling
- Creating a Work Breakdown Structure (WBS) and defining project milestones
- Introduction to scheduling methodologies: Critical Path Method (CPM), Program Evaluation and Review Technique (PERT)

Day 2: Scheduling Techniques and Tools

- Advanced CPM and PERT analysis for complex projects
- Resource management: Allocation, leveling, and optimization
- Exploring project scheduling software tools: Features, selection criteria, and hands-on practice

Day 3: Risk Management and Schedule Optimization

- Identifying and analyzing project risks
- Integrating risk management into project scheduling
- Schedule optimization techniques for maximizing efficiency and resource utilization

Day 4: Maintenance Planning and Scheduling

- **The Role of Maintenance Engineers and Planners:** Overview of responsibilities, challenges, and best practices in maintenance planning and scheduling.
- **Developing Maintenance Schedules:** Principles of effective maintenance scheduling, including preventive, predictive, and corrective maintenance planning.
- **Resource and Work Order Management:** Techniques for managing maintenance resources, prioritizing work orders, and scheduling maintenance activities to minimize downtime and ensure asset reliability.
- **Using CMMS and EAM Systems:** Introduction to Computerized Maintenance Management Systems (CMMS) and Enterprise Asset Management (EAM) software for maintenance scheduling and management.

Day 5: Project Controls, Communication, and Real-World Applications

- **Implementing project controls:** Monitoring, updating, and reporting on progress
- Effective communication strategies for project schedules
- Stakeholder management and engagement through project scheduling
- **Case Studies in Maintenance Planning:** Analyzing real-world examples of maintenance scheduling challenges and solutions.
- Course wrap-up and next steps for continuous learning