

Project Planning, Scheduling, Monitoring, Reporting & Control

15 – 19 April 2019, Istanbul

Introduction:

This program intent to recognize specialists who meet a demanding set of planning and scheduling criteria. The PSP certification will distinguish you as a Planning and Scheduling Professional who has the knowledge and skills that impact the bottom line.

Course objective:

This five days training course will provide participants with a thorough background in the concepts of Planning and Scheduling Engineering and Construction projects. The course addresses how to identify, monitor, and balance information crucial for the successful management of projects. It will discuss the development of a baseline performance management plan (PMP) for the project that will allow the efficient compilation and the timely generation of quantitative performance comparisons. . The comparisons highlight significant performance departures ("actual vs. baseline") and allow for preventive and early remedial and corrective actions. The Practical sessions will provide hands-on experience. Workshops create and track sample project from planning phase till controlling phase (updating).

Who should attend?

This course is targeted for Project Managers, program Managers, Planners and engineers how are or will be involved in planning and managing projects where schedule, cost and performance of projects must meet rigid requirements in the areas of engineering, production, data processing, research and development, construction, corporate planning, finance and marketing.

Course Outline:

Day #1

- Course Introduction
 - Introduction to Project Management Fundamentals
 - Project definitions and characteristics
 - Project life cycles and Project Management life cycle
 - Organizational Breakdown Structure (OBS) & Cost Breakdown Structure (CBS)
 - Work breakdown structure (WBS)& work packages and Activity Identification
 - Time Management environment
 - Network planning tools and techniques
 - Estimating Durations
 - Program Evaluation and review Technique (PERT)
 - Critical path method (CPM)
 - Monte Carlo Simulation
 - Working with Activities
 - Activity Types (milestone – Level of effort..)
 - **Workshops**

Day #2

- Activity on Arrow (AOA) Networks
- Activity Logic
- Activity on Arrow (AOA) Schedule calculations
- Logic error and problems

- Schedule compression techniques
- Crashing and Fast Tracking
- Solved Examples
- **Workshops on Arrow Diagram Method**

Day #3

- Precedence Diagram Method (PDM) / Activity on Node (AON)
- Schedule Development Calculations
- Constraints Types
- Working with Calendars
- Activity Splitting
- Update the Schedule
- Professional Project Reports
- Solved Examples
- **Workshops on Precedence Diagram Method**

Day #4

- Resources Allocation
- Working with control Accounts
- Setting Up a Cost Account Structure
- Producing Resource Usage Profile
- Analyzing Resources and Costs
- Performance Measurement Reports
- Earned Value Management
- Project Risk Management
- Multiple Key parties in Real Project environment
- **Workshops**

Day #5

- Overview on the Project's Initiation & Planning and Executing Process Groups
- Project Management Monitoring & Controlling Process Group "Inputs, Tools & Techniques and Outputs" for the following processes:
 - Monitor and Control Project Work
 - Perform Integrated Change Control
 - Verify Scope
 - Control Scope
 - Control Schedule
 - Control Costs
 - Perform Quality Control
 - Report Performance
 - Monitor and Control Risks
 - Administer Procurements
- The role of the Project Management Team in Monitoring & Controlling the Project / Phase Work
- Workshops
- Test your knowledge

Course Fee :

US\$ 3,500