€ TRAINING

Project Planning with Scheduling and Controlling

21 - 25 July 2024
Dubai (UAE)

Project Planning with Scheduling and Controlling

REF: P1195 DATE: 21 - 25 July 2024 Venue: Dubai (UAE) - Fee: 4400 Euro

Introduction:

This training program is designed to equip participants with the essential skills and methodologies needed to effectively plan, schedule, and control projects from initiation to completion. Through it, participants will learn how to develop robust project plans, create realistic schedules, and implement effective control measures to ensure project success.

Program Objectives:

At the end of this program, the participants will be able to:

- Run an organized project.

- Plan for the expected and non-expected.

- Understand financial issues related to the project.

- Set out evaluation criteria.

- Survive with minimal loss when things get wrong.

Targeted Audience:

- Team Leaders/Managers.

- Project Directors.

- Entrepreneurs.

- Project Supervisors/Consultants/Coordinators.

- Executives.

Program Outlines:

Unit 1:

Foundations and Scope in Project Management:

- Introduction and Review of Project Fundamentals.

- Project Scope Planning and Definition.

- Work Breakdown Structure WBS and Work Packages.

- Statement of Work SOW - Technical Baseline.

- Scope Execution Plan.

- Project Deliverables.

Unit 2:

Mastering Project Scheduling Techniques:

- Project Schedule Planning and Critical Path Method.

- Precedence Network Diagramming.

- Job Logic Relationship Chart and Milestone Chart.

- Critical Path Analysis and Project Float Analysis.

- Line of Balance Scheduling Recurring Activities.

- Activity Duration Estimation.

- Project Acceleration Techniques.

- PERT Analysis - Schedule Risk Contingencies.

Unit 3:

Strategies for Project Resource Estimation and Planning:

- Project Resource Estimation and Planning Process.

- Production and Productivity Planning.

- Resource Estimating - Labour, Plant, Materials.

- Cost Estimating - Direct and Indirect Costs.

- Project Cost System - WBS Coding and Project budgeting.

- Project Cash Flow Analysis.

- Resource and Cost Allocation - Cost Baseline.

Unit 4:

Integrated Project Management and Control System:

- Project Execution Management and Control with Progress Tracking.

- Monitoring Project Cost Management and the Earned Value Control Process.

- Analyzing Schedule and Cost Variances for Progress Control.

- Utilizing Progress Control Charts for Trend Analysis and Forecasting.

- Implementing Labour and Materials Management for Cost Control.

- Conducting Earned Value Analysis and Reporting to Ensure Project Efficiency.

- Applying Earned Value Reporting to Enhance Project Performance Tracking.

Unit 5:

Strategies for Project Recovery and Performance Improvement:

- Developing Project Recovery Plans and Variance Analysis.

- Quantifying Schedule and Cost Performance with SPI and CPI.

- Establishing Control Limits for Schedule and Cost Management.

- Assessing Project Recovery Data and Analyzing Recovery Plans.

- Implementing Schedule and Cost Recovery Baselines and Controls.

- Performing Schedule and Cost Recovery Analysis for Project Improvement.