

# € TRAINING

Project Management, Scheduling &  
Compliance: Planning, Scheduling & Control





# Project Management, Scheduling & Compliance: Planning, Scheduling & Control

## Introduction:

This conference will emphasize awareness of project risk management to minimize project cost/schedule overruns & improve project execution.

Project management is all about the management of risks; the ability to seize opportunities, minimize threats, and optimize results. However, risk management is too often treated as a reactive process, or worse, not done at all. In this Project Risk Management conference, you will work through the proactive approach to both sides of risk: threats and opportunities. The approach is based on a clear understanding of both qualitative and quantitative approaches to risk management.

## Conference Objectives:

At the end of this conference the participants will be able to:

- Get an overview of the Risk Management Process
- Learn to identify risks that affect project quality, time & schedule, cost, and scope
- Apply useful techniques to identify, analyze, mitigate and monitor risks in the project life cycle
- Learn how to create an effective risk monitoring plan and risk management strategies.
- Use a practical, six-step process to manage project risk
- Develop a risk budget based on expected monetary value EMV
- Identify threats and opportunities and weigh their relative value in your project
- Learn how to rank risks based on the amount of exposure to the company
- Develop the skill necessary to quantify risks
- Employ the concept of Expected Monetary Value EMV to prioritize the risk mitigation strategy
- Control multiple risks using concise strategies
- Make risk and opportunity integral components of your next project plan

## Targeted Audience:

- Project Managers
- Head of Departments
- Risk Management Staff
- Managers
- Professionals who want to gain new skills to improve their profile

## Conference Outlines:

### Unit 1: Risk Management Framework and Planning

- Key definitions
- Project Management Body Of Knowledge PMBOK - 6 risk management processes
- Project risk management goal
- Purpose of risk management
- Benefits of risk management
- Responsibilities in risk management
- Integrating risk management into the project management process
- Components of risk
- Types of risk
- Six steps of risk management
  - Plan the approach to risk management
  - Risk Identification
  - Risk Assessment & Quantification
  - Risk Response Plan Development
  - Risk management plan execution
  - Evaluating risk response results

### Unit 2: Risk Planning:

- Plan the approach to risk management
- Planning inputs, tools & outputs

### Unit 3: Risk Identification:

- Identification inputs & tools
- Identification guidelines
- Risk identification techniques
- Risk categories
- Risk identification outputs

### Unit 4: Reviewing Cost & Schedule Risk Estimation:

- Cost estimating classes & types
- Cost estimating methods
- Accuracy, allowances, contingency & management reserve
- Work Breakdown Structures WBS
- Schedule diagramming - critical path method CPM
- Resource management
- Earned value method EVM
- Baselineing

## Unit 5: Risk Assessment & Quantification:

- Risk analysis inputs
- Risk analysis guidelines
- Probability analysis
- Impact analysis
- Risk analysis approaches - qualitative & quantitative
- Risk analysis tools & techniques
- Statistical sums in risk analysis
- Program Evaluation & Review Technique PERT
- Monte Carlo simulation
- Decision trees
- Project risk rating & prioritizing
- Risk analysis outputs

## Unit 6: Risk Response Plan Development:

- Risk response development inputs, tools & techniques
- Risk response strategy guidelines
- Response strategies for threats
- Response planning & network diagramming
- Response analysis
- Alternative responses
- Reserves - contingency & management
- Response planning outputs

## Unit 7: Risk Response Control:

- Risk management plan execution
- Risk response control tools
- Risk response control guidelines
- Risk strategy execution
- Evaluating risk response results
- Risk documentation