Increasing Performance Through Project Risk Management Training

Duration: **2 Day**

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Increasing Performance Through Project Risk Management is a practical training program designed to help project professionals strengthen their risk management capabilities and improve overall project performance. Successful projects depend not only on effective planning but also on proactively identifying, analyzing, and managing risks throughout the project lifecycle.

Based on PMI® methodologies and PMBOK® best practices, this course provides a structured approach to managing uncertainty, minimizing project threats, and maximizing opportunities. Participants learn how to integrate risk management into every phase of a project, from initiation and planning through execution, monitoring, and closure.

Using real-world case studies and hands-on exercises, learners develop practical skills that help improve project scope accuracy, schedule reliability, budget control, and stakeholder confidence.

Prerequisites

To gain maximum value from this course, participants should have:

- Experience managing or contributing to projects
- Basic project management knowledge
- Familiarity with project planning concepts

Recommended certifications:

- **PMP®**
- **CAPM®**
- Project Management Fundamentals training

Who Should Attend

This course is ideal for:

- **Project Managers**
- **Project Team Leaders**
- **Program Managers**
- **Project Coordinators**
- **PMO Professionals**
- **Business Analysts**
- Project team members
- Professionals responsible for project risk management

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What You Will Learn

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

- Understand core principles of project risk management.
- Integrate risk management throughout the project lifecycle.
- Identify and document project risks effectively.
- Perform qualitative and quantitative risk analysis.
- Prioritize risks using proven methodologies.
- Develop effective risk response strategies.
- Measure the impact of risk on project performance.
- Conduct post-project risk assessments.
- Improve risk-based decision-making capabilities.

Training Outline

Risk Management Overview

Understanding Project Risk Management

- **Project Risk Management**
- Benefits of proactive risk management
- Risk versus uncertainty
- Impact on project success

Project Lifecycle and Risk

- Project lifecycle phases
- Risk exposure across project stages
- Continuous risk management practices

Case Study Selection

- Real-world project scenarios
- Risk evaluation exercises
- Practical application workshops

Initiating Process Group

Project Initiation Fundamentals

- **Initiating Process Group**
- Project startup activities
- Risk-focused project assessment

Develop Project Charter

- Project objectives
- Success criteria

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- Initial risk considerations

Stakeholder Identification

- **Stakeholder Analysis**
- Stakeholder expectations
- Risk and stakeholder relationships

Project Selection Techniques

- Project selection criteria
- Prioritization methods
- Strategic alignment analysis

ROI Analysis

- **Return on Investment (ROI)**
- Financial evaluation techniques
- Risk-adjusted project selection

Risk Complexity Index

- Measuring project complexity
- Risk exposure evaluation

Planning Process Group

Risk Management Planning

- **Plan Risk Management**
- Risk governance frameworks
- Developing risk strategies

Risk Identification

- **Risk Identification**
- Sources of project risk
- Risk categories
- Risk documentation processes

Risk Identification Techniques

Delphi Technique

- Expert consensus building
- Structured forecasting

Subject Matter Expert Input

- Expert assessments
- Technical insights

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Brainstorming

- Collaborative risk discovery
- Idea generation techniques

Fishbone Diagrams

- Root cause analysis
- Cause-and-effect mapping

Five Whys

- Problem investigation
- Deep risk analysis

Influence Diagrams

- Risk relationship modeling
- Impact visualization

Risk Breakdown Structure (RBS)

- **Risk Breakdown Structure**
- Risk categorization
- Hierarchical risk organization

Risk Register

- **Risk Register**
- Risk documentation
- Risk tracking and management

Qualitative Risk Analysis

Qualitative Risk Analysis

- **Qualitative Risk Analysis**
- Risk prioritization
- Impact assessments

Probability and Impact Assessment

- Risk probability evaluation
- Impact measurement
- Risk ranking methodologies

Probability and Impact Matrix

- Risk assessment matrices
- Critical risk identification

Quantitative Risk Analysis

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Quantitative Risk Analysis

- **Quantitative Risk Analysis**
- Numerical risk assessment
- Statistical forecasting

Three-Point Estimates

- Estimation techniques
- Uncertainty analysis

PERT Analysis

- **PERT (Program Evaluation Review Technique)**
- Schedule forecasting methods

Triangular Distributions

- Probability modeling
- Risk simulations

Outlier Analysis

- Evaluating exceptional scenarios
- Extreme risk impacts

Geometric Mean

- Statistical calculations
- Risk analysis applications

Normal Distribution Methods

- Probability distributions
- Statistical risk modeling

Tornado Diagrams

- **Tornado Diagrams**
- Sensitivity analysis
- Variable impact evaluation

Expected Monetary Value (EMV)

- **EMV Analysis**
- Financial risk calculations
- Decision-making support

Monte Carlo Simulation

- **Monte Carlo Analysis**
- Probability-based project forecasting

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- Risk scenario simulations

Risk Response Planning

Plan Risk Responses

- **Risk Response Planning**
- Risk avoidance strategies
- Risk mitigation techniques
- Risk transfer approaches
- Risk acceptance methods

Overall Project Risk

- Enterprise project risk assessment
- Aggregate risk evaluation

Risk Checklists

- Standardized risk reviews
- Risk assessment templates

Executing Process Group

Implementing Risk Responses

- **Implement Risk Responses**
- Executing mitigation plans
- Risk action implementation

Updating Risk Reports

- Risk reporting processes
- Ongoing documentation updates

Monitoring and Controlling Process Group

Risk Monitoring and Control

- **Risk Monitoring and Control**
- Measuring risk performance
- Key risk indicators

Project Monitoring

- Performance tracking
- Trend analysis
- Risk reassessment

Managing Risks in Long-Term Projects

- Dynamic risk environments

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- Continuous improvement practices

Closing Process Group

Project or Phase Closure

- **Project Closure**
- Final risk reviews
- Closing activities

Post-Project Risk Assessment

- Lessons learned reviews
- Organizational knowledge capture

Team Dynamics and Decision-Making

Team Building

- Personality profiles
- Team collaboration

Collaborative Decision-Making

- Delphi method
- Majority and plurality voting techniques

Motivation and Performance

- Recognition and reward systems
- **Expectancy Theory**
- **Maslow's Hierarchy of Needs**
- **Operant Conditioning**

Practical Case Studies

- Project risk assessments
- Risk register development
- Monte Carlo simulation exercises
- Risk response planning workshops
- Performance improvement initiatives