



2025

10<sup>th</sup>  
ANNIVERSARY

الذكرى العاشرة لتأسيس منصة SELFLEARN

Risk Management Professional &  
Primavera Risk Analysis

Online Course Brochure



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### Course Title:

Risk Management Professional (PMI-RMP®) Preparation + Primavera Risk Analysis® Software Course

### Learning Method:

Recorded Videos + WhatsApp contact with Instructor for questions

### Duration:

39 Hours – Available 24/7

### Overview:

Projects, by their very nature, always carry uncertainty (i.e. Risks). This training course teaches the practical steps and skills involved in identifying and managing the broad range of uncertainty typically found in projects, commonly referred to as project risk management. It is common to see project teams investing much of their time and effort in solving problems rather than preventing them. Risk management is an area of knowledge for project management that aims to reduce the probability and impact of negative events, and increase that of positive events.

### Who Should Attend?

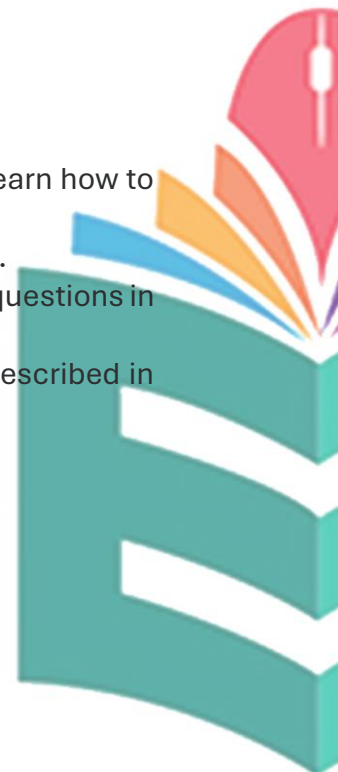
This course is designed for anyone interested in learning the fundamentals of managing project risks, or individuals preparing for PMI Risk Management Professional certification exam.

### At Course Completion:

Upon successful completion of this course, students will be able to:

#### A. Project Risk Management Exam Preparation

- ✓ Earn the 30 contact hours certificate to qualify for the PMI-RMP exam
- ✓ Anticipate the general types of questions that appear on the exam and learn how to answer them.
- ✓ Cite the domains of risk management, the related tasks and deliverables.
- ✓ Measure your ability to successfully complete the exam through sample questions in each domain.
- ✓ Identify the critical principles, activities, tasks, techniques, and terms described in the PMI-RMP Exam Content Outline.





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## B. Primavera Risk Analysis

- ✓ Create plans and risk models in Primavera Risk Analysis
- ✓ Modeling task durations and entering uncertainty
- ✓ Running the risk analysis
- ✓ Understanding Monte Carlo Simulation
- ✓ Adding uncertainty to cost
- ✓ Risk register
- ✓ Qualitative risk analysis
- ✓ Quantitative risk analysis
- ✓ Risk response and mitigation scenarios
- ✓ Reports

## Instructor Bio:



**Eng. Awab Alameer,**  
**PMP, PMI-RMP, PMI-SP.**

### MAJOR QUALIFICATIONS

- PMP, Project Management Professional Certification from Project Management Institute (PMI), USA.
- PMI-RMP, Risk Management Professional from Project Management Institute (PMI), USA.
- PMI-SP, Scheduling Professional from Project Management Institute (PMI), USA.
- BSc. Mechanical Engineer from Sudan University and Science Technology



## Course Outline:

Session	
<b>A. Project Risk Management Exam Preparation</b>	
<b>One</b>	<p><b><u>Introduction to Project Risk Management</u></b></p> <ul style="list-style-type: none"> <li>• Introduction to Project Management</li> <li>• What is Risk</li> <li>• Negative Risks and Positive Risks</li> <li>• How to manage risks</li> <li>• What is Risk Management</li> <li>• Risk Types and Classifications</li> <li>• PMI Risk Management Approach</li> </ul>
<b>Two</b>	<p><b><u>Planning for Risk Management</u></b></p> <ul style="list-style-type: none"> <li>• Plan risk management process overview</li> <li>• Risk management plan overview</li> <li>• Plan risk management inputs</li> <li>• Risk tolerance and thresholds</li> <li>• Risk management process tailoring</li> <li>• Risk categories</li> <li>• Definitions for probability and impacts</li> <li>• Probability &amp; impact matrix</li> <li>• How to calculate risk scoring</li> <li>• Plan risk management outputs</li> <li>• Risk management plan</li> </ul>
<b>Three</b>	<p><b><u>Risk Identification</u></b></p> <ul style="list-style-type: none"> <li>• Identify Risk Process Overview</li> <li>• Identify Risks Process Inputs</li> <li>• Brainstorming</li> <li>• Checklists</li> <li>• Cause and effect diagram</li> <li>• Assumption and constraint analysis</li> <li>• SWOT analysis</li> <li>• Documents analysis</li> <li>• Standard Prompt Lists</li> <li>• Standard Risk Statement</li> </ul>





	<ul style="list-style-type: none"> <li>• Identify Risks Process Outputs</li> <li>• Risk Register</li> </ul>
<p><b>Four</b></p>	<p><b><u>Qualitative Risk Assessment/Analysis</u></b></p> <ul style="list-style-type: none"> <li>• Why is Risk analysis or Assessment?</li> <li>• Goals and benefits of risk Analysis</li> <li>• Qualitative Risk Analysis Process Overview</li> <li>• Perform Qualitative Risk Analysis Process Inputs</li> <li>• Assumptions Testing</li> <li>• Risk Data Quality Assessment</li> <li>• Risk probability and impact assessment</li> <li>• Determining Risk Scoring and ranking</li> <li>• Calculating Project Risk Score</li> <li>• Assessment of other risk parameters</li> <li>• Probability and impact matrix</li> <li>• Risk Breakdown Structure (RBS)</li> <li>• Perform Qualitative Risk Analysis Process Outputs</li> <li>• Updates to the risk register</li> <li>• Watchlist</li> <li>• Risk Report</li> </ul>
<p><b>Five</b></p>	<p><b><u>Quantitative Risk Assessment/Analysis</u></b></p> <ul style="list-style-type: none"> <li>• Qualitative Vs Quantitative Risk Analysis</li> <li>• Expected Monetary Value (EMV)</li> <li>• Quantitative Risk Analysis Process Overview</li> <li>• Perform Quantitative Risk Analysis Process Inputs</li> <li>• Representations of uncertainty             <ul style="list-style-type: none"> <li>○ Duration Uncertainty</li> <li>○ Three-point Estimation</li> <li>○ Probability Distributions</li> </ul> </li> <li>• Modeling and Simulation             <ul style="list-style-type: none"> <li>○ Monte Carlo simulation</li> </ul> </li> <li>• Simulation Outputs             <ul style="list-style-type: none"> <li>○ Histograms, tornado charts</li> <li>○ Criticality Index</li> <li>○ Duration sensitivity, criticality and cruciality</li> </ul> </li> </ul>



	<ul style="list-style-type: none"> <li>○ Cost Sensitivity</li> <li>● Decision Tree Analysis</li> <li>● Influence diagrams</li> <li>● Quantitative Risk Analysis Process Outputs</li> <li>● Risk Exposure</li> <li>● Contingency Vs. Management Reserves</li> <li>● Trends</li> <li>● Updates to the risk register</li> </ul>
<b>Six</b>	<p><b><u>Risk Response Planning</u></b></p> <ul style="list-style-type: none"> <li>● Plan Risk Responses Process Overview</li> <li>● Plan Risk Responses Process Inputs</li> <li>● Risk Response Strategies for Threats</li> <li>● Risk Response Strategies for Opportunities</li> <li>● Contingency plan</li> <li>● Risk Owner</li> <li>● Risk Action Owners</li> <li>● Risk Trigger</li> <li>● Multi-criteria decision Analysis</li> <li>● Plan Risk Responses Process Outputs</li> <li>● Updates to the risk register</li> <li>● Methods for Calculating Contingency Reserve</li> <li>● Residual Risks</li> <li>● Fallback plan</li> <li>● Secondary Risks</li> </ul>
<b>Seven</b>	<p><b><u>Risk Responses Implementation</u></b></p> <ul style="list-style-type: none"> <li>● Implement Risk Responses Process Overview</li> <li>● Implement Risk Responses Process Inputs</li> <li>● Roles and Responsibilities of Risk Owner and Risk Action Owners</li> <li>● Tracking Trigger Conditions</li> <li>● Risk report</li> <li>● Lessons learned</li> </ul>
<b>Eight</b>	<p><b><u>Risks Monitoring and Reporting</u></b></p> <ul style="list-style-type: none"> <li>● Monitor Risks Process Overview</li> </ul>





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	<ul style="list-style-type: none"> <li>• Risks performance data</li> <li>• Risks performance reports</li> <li>• Earned value Management</li> <li>• Reserve analysis</li> <li>• Managing Time Buffer</li> <li>• Audits</li> <li>• Risk Review Meetings</li> <li>• Workaround</li> <li>• Monitor risks outputs</li> </ul>
<b>B. Primavera Risk Analysis</b>	
<b>Nine</b>	<p><b>Overview of Primavera Risk Analysis</b></p> <ul style="list-style-type: none"> <li>• What is Primavera Risk Analysis Software?</li> <li>• Primavera Risk Methodology</li> <li>• Describe the benefit of quantitative risk analysis</li> <li>• Navigate the Primavera Risk Analysis screen</li> </ul>
<b>Ten</b>	<p><b>Schedule Import and Review</b></p> <ul style="list-style-type: none"> <li>• Integration with Primavera and Microsoft Project</li> <li>• Explain the importance of a schedule review</li> <li>• Describe scheduling issues that might compromise a risk analysis</li> <li>• Perform a schedule review</li> </ul>
<b>Eleven</b>	<p><b>Risk Register</b></p> <ul style="list-style-type: none"> <li>• Introduction to the Risk Register</li> <li>• Use the Risk Register to record probable risks and their qualitative schedule and cost impacts</li> <li>• Map risks to the specific project tasks that they will impact</li> <li>• Quantify risk impacts and make changes to individual impacts on specific project activities</li> <li>• Document a mitigation response to each risk</li> <li>• Fine-tune the effects of mitigation on risk impacts</li> <li>• Build pre and post mitigated risk-impacted project plans</li> </ul>
<b>Twelve</b>	<p><b>Representation of Uncertainty and Montecarlo simulation</b></p> <ul style="list-style-type: none"> <li>• Use Duration Quick Risk to add uncertainty to a project</li> </ul>







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	<ul style="list-style-type: none"> <li>• Using three-point estimates for activities</li> <li>• Task Existence / Existence Probability</li> <li>• Probabilistic Branching</li> <li>• Cost and Resource Uncertainty</li> <li>• Fixed-cost uncertainty</li> <li>• Variable-cost uncertainty</li> <li>• Run a project risk analysis</li> <li>• Use the Duration Graph to review analysis data for the entire project and for individual tasks</li> <li>• Use the Tornado Graph to identify and validate project drivers</li> <li>• Resource and Cost Uncertainty</li> </ul>
<p><b>Thirteen</b></p>	<p><b>Analyze and Mitigate Risks</b></p> <ul style="list-style-type: none"> <li>• Response Planning - cost/benefit analysis</li> <li>• Use the Distribution Analyzer to compare S-Curves generated from multiple risk analysis</li> <li>• Distribution graphs</li> <li>• Determine where to focus mitigation efforts using the Tornado Graph</li> <li>• Summary risk report</li> <li>• Probabilistic cash flow</li> </ul>

### Fee & Payment:

Please visit the link below for more details:

<https://www.selfelearn.com/recording-rmp-primavera-risk-analysis-registration-form/>

Or feel free to contact us by WhatsApp:

<https://wa.me/+249123009776>

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