



AI+ Project Management Practitioner™

Certification



Executive Summary

The AI+ Project Management Practitioner Certification equips professionals with the knowledge and skills to integrate artificial intelligence into project management. The certification covers AI-driven tools for optimizing key project management processes, including resource allocation, scheduling, budgeting, and risk management. Participants will explore machine learning, predictive analytics, and neural networks, applying them to real-world scenarios. Additionally, the program addresses ethical considerations, data privacy, and the challenges of AI implementation. Through practical case studies, participants will gain hands-on experience in using AI to enhance project outcomes, improve decision-making, and ensure efficient project execution.



Prerequisites

- Basic understanding of project management principles and processes.
- Familiarity with project management tools and techniques.
- General knowledge of artificial intelligence concepts (machine learning, predictive analytics, etc.).
- Experience in managing or overseeing projects, preferably in a technical or business context.
- Willingness to learn and apply AI-based tools to enhance project management efficiency.

Exam Blueprint

Number
of Questions

50

Passing
Score

35/50 or 70%

Duration

90 Minutes

Format

**Online via AI
Proctoring platform**

Question Type

**Multiple Choice/Multiple
Response**

Exam Overview

Module	Weight
Project Management Overview	10%
Introduction to AI and ML	10%
Data Driven Decision Making	10%
AI-Driven Project Risk Management	10%
Planning Project Work Breakdown and Structuring and Project Scheduling by AI	10%
Effective Project Budgeting Using AI	10%
AI for Planning Human Resources	10%
Stakeholder Management Using AI	10%
AI-based Project Monitoring	10%
Transformative Role of Project Management	10%
	100%

 **AI CERTs®****AI⁺**Project Management
Practitioner™

Certification Modules

Module 1

Project Management Overview

1.1 Introduction to Project Management

1.2 Project Management Lifecycle

1.3 Advanced Project Management Tasks

1.4 Project Management Frameworks

1.5 Project Manager's Roles and Responsibilities

Module 2

Introduction to AI and ML

2.1 Introduction to Artificial Intelligence (AI)

2.2 Introduction to Machine Learning (ML)

2.3 Neural Networks

2.4 AI and ML Applications and Trends

2.5 Case Studies on AI and ML Projects

Module 3

Data Driven Decision Making

3.1 The Importance of Data in Artificial Intelligence

3.2 Data Analysis Techniques

3.3 Applying Data Insights to Project Decisions

3.4 Tools for Data Visualization and Reporting

3.5 Challenges and Best Practices

Module 4

AI-Driven Project Risk Management

4.1 AI in Risk Management - An Introduction

4.2 AI for Risk Mitigation and Response

4.3 AI for Financial and Resource Risk Management

4.4 AI in Risk Management: The Future Scope

4.5 Case Study – AI-based Project Risk Management

Module 5

Planning Project Work Breakdown and Structuring and Project Scheduling by AI

5.1 Introduction to Work Breakdown Structure (WBS)

5.2 AI for WBS Creation

5.3 AI in Project Scheduling

5.4 AI for Resource-Constrained Scheduling

5.5 Case Studies: AI-based WBS and AI Algorithms for Project Scheduling

Module 6

Effective Project Budgeting Using AI

6.1 Introduction to AI in Budgeting

6.2 AI for Estimating Costs and Budget Allocation

6.3 AI for Budget Optimization

6.4 Future of AI in Project Budgeting

6.5 Case Study: AI Algorithms for Project Scheduling, AI-Based Model for Estimating Costs and Budget Allocation

Module 7

AI for Planning Human Resources

7.1 Introduction to AI in Human Resource Planning

7.2 AI for Workforce Allocation

7.3 AI in Skill Matching and Employee Performance Analysis

7.4 The Future of AI in Human Resource Planning

7.5 Case Studies: Designing AI-Based Models for HR Planning

Module 8

Stakeholder Management Using AI

8.1 Introduction to Stakeholder Management and AI

8.2 Identifying and Categorizing Stakeholders Using AI

8.3 Stakeholder Conflicts Management with AI

8.4 Ethics and Future Prospects in AI-based Stakeholder Management

8.5 Case Studies: AI Tools for Stakeholder Management

Module 9

AI-based Project Monitoring

9.1 Introduction to Project Monitoring and AI

9.2 AI-based Tools for Monitoring Project Progress

9.3 AI for Risk Monitoring

9.4 Case Studies: AI Tools for Project Monitoring

Module 10

Transformative Role of Project Management

10.1 Current State of AI in Project Management

10.2 Ethical Considerations in AI-Based Project Management

10.3 Technical Challenges in AI Integration

Additional Module

AI Agents for Project Manager Level 1

1. Understanding AI Agents

2. How Does an AI Agent Work

3. Applications and Trends of AI Agents in Project Management

4. Core Characteristics of AI Agents

5. Significance of AI Agents in Project Management

6. Types of AI Agents

7. Case Study-AI Agents for Agile Project Delivery – Atlassian in Action

8. Hands-On Activity

Certification Outcome

The AI+ Project Management Practitioner certification equips professionals with essential AI skills for optimizing project management processes such as resource allocation, scheduling, budgeting, and risk management. Through the use of machine learning, predictive analytics, and neural networks, participants will learn how AI enhances decision-making, project outcomes, and overall execution. The program addresses ethical concerns, data privacy, and AI implementation challenges. By applying AI tools in case studies, participants will gain hands-on experience in leveraging AI for better project management and delivering successful project results. This certification prepares individuals to effectively integrate AI in managing modern projects.



Market Insight

The AI-driven project management sector is growing rapidly as organizations seek to enhance efficiency, reduce risks, and improve decision-making. With increasing adoption of AI tools, project managers are gaining valuable insights into optimizing resources, timelines, and budgets.



Value Proposition

AI+ Project Management Practitioner certification offers professionals the skills to seamlessly integrate AI into project management. By mastering AI-driven tools for resource allocation, budgeting, and risk management, individuals gain a competitive edge in the market. This certification empowers project managers to drive successful project outcomes, enhance decision-making, and stay ahead in an AI-powered industry.



Additional Features

The course includes interactive discussions, hands-on activities, real-world case studies, and practical demonstrations to enhance learning. Participants will gain industry insights, explore AI tools, and engage in debates, ensuring a well-rounded understanding of AI's impact and applications across various sectors.

AI Experts



Jason Kellington

AI Expert

As a consultant, trainer, and technical writer with more than 25 years of experience in IT, I specialize in the development and delivery of solutions focused on effective and efficient enterprise IT.



Justin Frébault

AI Expert

I'm a boutique data consultant specializing in data mesh and lakehouse solutions. I've dedicated my career to helping organizations transform their approach to data, moving beyond mere knowledge.



J Tom Kinser

AI Expert

I have over forty years of experience in software development, data engineering, management, and technical training. I am a Microsoft Certified Trainer and a software developer, holding multiple certifications.



Terumi Laskowsky

AI Expert

Country Manager for Global Consulting Services in Japan, Specialties: Information Security (Compliance, Policy, Application, Host, Network)



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