

**AI Project Management**

**Course Number:** AI-150WA  
**Duration:** 2 days

**Overview**

This AI Project Management training course teaches professionals how to expertly manage the unique challenges and opportunities of AI projects. Participants gain a deep understanding of the AI project lifecycle and learn to define clear roles and responsibilities, effectively mitigate AI-specific risks, engage stakeholders throughout the project, and implement strategies for continuous improvement. By the end of this course, attendees are prepared to successfully lead AI projects.

**Prerequisites**

This course is designed for project managers specializing in AI projects, data scientists and AI engineers transitioning into project management roles, and business leaders overseeing AI initiatives. Attendees must have:

* Experience with technology project management and delivery
* Experience in project management or leadership roles
* Familiarity with AI and machine learning pipelines is recommended but not required

**Materials**

All AI Project training students receive comprehensive courseware.

**Software Needed on Each Student PC**

All attendees must have a modern web browser and an Internet connection.

**Objectives**

* Master the AI project lifecycle, from conception to deployment, enabling successful project planning, execution, and oversight
* Develop robust risk management strategies and stakeholder engagement plans to address challenges and ensure project success
* Optimize resource allocation, manage technical and human resources effectively, and foster seamless collaboration across project roles
* Implement effective change management practices, including communication strategies, to overcome resistance and cultivate a culture of continuous learning

**Outline**

* The AI Project Lifecycle
  + Understand AI project phases
  + Identify AI business opportunities
  + Ideation: Identifying business problems
  + Data Collection & Preparation: Data requirements and quality
  + Model Selection & Training: Choosing and training AI models
  + Evaluation & Refinement: Model performance and bias detection
  + Deployment & Maintenance: Integrating AI models into production
* Project Scoping and Management
  + Develop comprehensive AI project plans
  + Align AI projects with business objectives
  + Defining Project Goals: Setting SMART goals
  + Identifying Resources: Estimating technical and human resources
  + Developing a Project Plan: Timelines and management
  + Project Management Tools & Techniques: Agile, Waterfall methodologies
* AI Project Roles and Responsibilities
  + Define roles within an AI project team
  + Understand the responsibilities of each role
  + Executive Sponsor: Project champion and leader role
  + Project Manager: Team leadership and resource management
  + Data Scientist: Data preparation and model development
  + AI Engineer: Model deployment and scalability
  + Domain Expert: Business context and solution evaluation
* Risk Management in AI Projects
  + Identify potential risks in AI projects
  + Develop risk mitigation strategies
  + Risk Identification: Common AI project risks
  + Mitigation Strategies: Techniques to address risks
  + Contingency Planning: Preparing for unforeseen issues
* Stakeholder Engagement and Change Management
  + Engage and manage project stakeholders
  + Develop effective communication strategies
  + Identifying Stakeholders: Mapping stakeholders and their interests
  + Communication Strategy: Plans for stakeholder engagement
  + Managing Expectations: Techniques for effective communication
  + Change Management: Addressing resistance and fostering learning
* AI Solution Delivery and Continuous Improvement
  + Deploy AI models effectively
  + Establish robust monitoring and governance frameworks
  + Model Deployment Strategies: On-premise, cloud, hybrid
  + Monitoring and Logging: Tracking performance and security
  + Governance and Explainability: Responsible AI practices
  + Continuous Improvement: Feedback loops for refinement
* Conclusion