



PB INSTITUTE OF RESEARCH AND TECHNOLOGY

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Nairobi - Kenya

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Digital Project Powerhouse: AI Tools & Automation

Duration: 5 days

On-Site

01 Who Should Attend

- Agile and Scrum Practitioners
- Business Analysts
- Operations Managers
- Team Leaders and Supervisors
- Risk Managers
- Project Controls Professionals
- Digital Transformation Professionals
- Technology and Innovation Managers
- Consultants and Project Management Advisors
- Professionals seeking to integrate AI into project delivery



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02 About the Course

The **Innovate & Automate: AI in Project Management Tools Training Course** equips project professionals with practical knowledge and skills to leverage artificial intelligence within modern project management platforms. Participants will explore how AI can automate routine tasks, improve project planning, enhance decision-making, streamline communication, identify risks, and optimize project performance.

The course focuses on practical applications of AI-enabled project management tools, including intelligent scheduling, task automation, predictive analytics, resource optimization, AI-assisted reporting, collaboration, and project monitoring. Participants will also examine responsible AI adoption, data security, governance, and the limitations of AI in project environments.

03 Workshop Objectives

- Understand the core concepts of Workday Project Management
- Navigate the Workday interface for project-related tasks
- Create and configure new projects
- Manage project teams and resources
- Track project progress and time
- Understand project costs and financials
- Create and run project reports
- Use Workday for project-based billing
- Collaborate on projects within Workday
- Configure project security and roles



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04 Module Topics

Module 1: Introduction to AI in Project Management

- What is AI and how does it apply to projects
- The history of AI in business
- Understanding the difference between ML and AI
- The benefits of AI-powered project tools
- A look at the current market of AI PM tools

Module 2: Intelligent Scheduling

- How AI optimizes project timelines
- Using AI to create project schedules
- Dynamic scheduling based on real-time data
- The role of dependencies and constraints
- Handling unexpected delays and changes

Module 3: Resource Allocation

- Optimizing resource utilization with AI
- Matching team members to tasks based on skills
- The challenge of resource contention
- Predicting resource availability
- Using AI to balance workloads

Module 4: Predictive Analytics

- What is predictive analytics
- Forecasting project timelines and milestones
- Predicting budget overruns
- Identifying potential roadblocks
- Using historical data to inform future decisions



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Module 5: Risk Management

- How AI identifies project risks
- Assessing risk severity and probability
- Creating a risk mitigation plan
- The role of sentiment analysis in risk detection
- Using real-time data for risk monitoring

Module 6: Automated Reporting

- Generating automated status reports
- Creating dashboards with real-time insights
- The benefit of natural language generation (NLG)
- Customizing reports for different stakeholders
- The future of project reporting

Module 7: AI-Powered Workflows

- Automating routine and repetitive tasks
- Using AI to trigger actions
- Setting up simple automations
- The concept of smart workflows
- The role of low-code/no-code platforms

Module 8: Collaboration and Communication

- AI assistants in team communication
- Summarizing meeting notes with AI
- The role of chatbots for team support
- Analyzing team communication patterns
- Improving collaboration with AI-powered tools

Module 9: AI in Agile and Scrum



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- Using AI in sprint planning
- The role of AI in backlog refinement
- Automating sprint retrospectives
- Predicting story points and velocity
- The future of AI in agile methodologies

Module 10: Financial Forecasting

- AI-driven budget planning
- Predicting project costs
- The importance of real-time financial data
- Integrating with financial systems
- The role of AI in project ROI

Module 11: Tool Selection

- How to evaluate AI PM tools
- Key features to look for
- The importance of tool integration
- A comparison of popular AI-powered tools
- Making a business case for a new tool

Module 12: Data and Privacy

- The importance of data quality
- The ethics of using AI in projects
- Understanding data privacy and security
- The challenge of data bias
- The role of responsible AI

Module 13: Project Portfolio Management



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- Using AI to optimize a project portfolio
- The role of AI in portfolio selection
- The importance of aligning projects with strategy
- Reporting on portfolio performance
- The future of PPM

Module 14: Case Studies

- A case study on a successful AI implementation
- A failure analysis of a poorly implemented tool
- The impact of AI on project outcomes
- The benefits of a data-driven approach
- Real-world applications of AI in projects

Module 15: Future Trends

- The next wave of AI in project management
- The role of generative AI
- The integration of AI with the metaverse
- The future of the project manager
- Keeping up with a rapidly changing landscape