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Training Course:
Advanced IT Project and Portfolio Management with AI Integration

14 - 18 July 2025
Madrid (Spain)
Pestana CR7 Gran Vía

Training Course:
Advanced IT Project and Portfolio Management with AI Integration

Training Course code: IT235842 From: 14 - 18 July 2025 Venue: Madrid (Spain) - Pestana CR7 Gran Vía Training Course Fees: 6000 Euro

Introduction

This advanced training program, developed by Global Horizon Training Center, is designed for IT professionals and project managers who seek to enhance their expertise in IT project and portfolio management. The course focuses on advanced techniques, methodologies, and tools required to effectively manage complex IT projects and strategic portfolios, ensuring alignment with organizational objectives. Participants will gain hands-on insights into project governance, resource optimization, risk management, and digital transformation strategies for IT project success. In addition, this program now integrates Artificial Intelligence AI tools and techniques to improve decision-making, automate processes, and drive innovation in IT project management.

Target Audience

- IT Project Managers & Program Managers

- Portfolio Managers & PMO Directors

- IT Leaders & Chief Information Officers CIOs

- Business Analysts & IT Consultants

- Professionals involved in strategic IT project execution

Objectives

- Master advanced IT project management methodologies

- Implement portfolio management frameworks for strategic alignment

- Optimize resource allocation and financial planning for IT projects

- Enhance risk management and governance in IT project execution

- Utilize digital transformation tools, including AI, to maximize project efficiency

- Improve decision-making through advanced analytics, AI-driven reporting, and automation

- Explore AI applications in resource optimization, risk management, and project execution

Course Outlines

Day 1:

Advanced IT Project Management Frameworks & Methodologies

- Overview of IT Project & Portfolio Management PPM

- Advanced project management methodologies Agile, Scrum, SAFe, PRINCE2, PMBOK

- Integrating AI with Agile methodologies for automated decision-making and forecasting

- IT project governance and stakeholder engagement

- How AI tools can enhance stakeholder communication through automated reporting and chatbots

- Developing an IT project charter and roadmap, leveraging AI-powered risk mitigation plans

- Real-world case studies on IT project failures and success factors, including AI-driven project insights

Day 2:

Strategic IT Portfolio Management & Prioritization

- Portfolio governance and decision-making frameworks

- Aligning IT projects with business strategy and digital transformation goals, with AI-enhanced decision-making models

- Prioritization techniques MoSCoW, Value-Risk Matrix, Scoring Models integrated with AI algorithms for faster and more accurate decisions

- Project financial planning, budgeting, and ROI analysis using AI-powered forecasting tools

- Case study: Evaluating and balancing an IT project portfolio using AI-driven project selection tools

Day 3:

Risk Management & Compliance in IT Project Execution

- Identifying and mitigating IT project risks using AI to predict and prevent issues in project timelines and budgets

- Cybersecurity risk management in IT projects with AI-driven threat detection and analysis tools

- Compliance with industry standards ISO 27001, GDPR, ITIL using AI for automated compliance reporting

- Crisis management and business continuity planning, leveraging AI for crisis prediction and mitigation

- Workshop: Developing a risk management plan, incorporating AI tools for risk detection and mitigation

Day 4:

Resource Optimization & Performance Monitoring

- IT project resource planning capacity & capability with AI tools for optimizing resource allocation

- Managing multi-project dependencies and constraints using AI to identify dependencies and automate scheduling

- Performance measurement using KPIs and dashboards, with AI tools that generate real-time insights

- Automation & AI-driven tools for project tracking and reporting

- Hands-on session: Using project management software JIRA, MS Project, or Monday.com enhanced by AI features

Day 5:

Digital Transformation & Future Trends in IT Project Management

- Emerging trends in IT project and portfolio management AI, Blockchain, IoT

- Leveraging cloud-based project management solutions powered by AI for collaboration and real-time decision-making

- Integrating AI into Agile and DevOps to streamline project execution and continuous delivery

- Driving innovation through IT projects with AI as a catalyst for smart, scalable, and adaptive IT solutions

- Workshop: Implementing AI in IT projects, developing a strategy to integrate AI for optimization, automation, and decision support

Registration form on the Training Course:
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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Full Name (Mr / Ms / Dr / Eng): ....
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Company Information

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Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): ....
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Payment Method

☐ Please find enclosed a cheque made payable to Global Horizon

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