

ARTIFICIAL INTELLIGENCE AND ROBOTIC PROCESS AUTOMATION

"Leveraging AI and RPA to Drive Digital Transformation and Process Excellence"

Schedule

Date	Venue	Fees (Face-to-Face)
15 - 19 Jun 2026	Dubai, UAE	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Artificial Intelligence (AI) and Robotic Process Automation (RPA) are revolutionizing the way organizations operate by automating routine tasks, enhancing decision-making, and delivering faster, error-free processes. When used together, AI and RPA provide an integrated approach to intelligent automation, offering transformative value in efficiency, cost reduction, and customer experience. This 5-day program introduces participants to the core technologies, frameworks, and practical use cases of AI and RPA. It provides hands-on exposure to process design, automation tools, machine learning integration, and deployment strategies. Whether you're in operations, IT, or digital strategy, this course will equip you to lead successful automation initiatives.

Objectives

By the end of this course, participants will be able to:

- Understand the fundamentals of Artificial Intelligence and Robotic Process Automation
- Design, document, and automate repetitive business processes using RPA tools
- Integrate AI capabilities such as NLP, OCR, and machine learning into automation workflows
- Assess use cases and evaluate ROI of automation projects
- Manage governance, scalability, and change in automation programs

Why Attend

- Gain a dual understanding of AI and RPA technologies and how they complement each other
- Learn how to automate high-volume, rule-based tasks using industry-standard tools
- Explore case studies in finance, HR, operations, and customer service automation
- Develop the skills to lead digital transformation initiatives
- Understand compliance, data ethics, and governance challenges in intelligent automation

Target Audience

This program is designed for:

- Automation and Digital Transformation Managers
- IT Analysts, Process Engineers, and Solution Architects
- Operations and Shared Services Leaders
- Business Analysts and Project Managers
- Anyone involved in AI, RPA, or digital innovation projects

Individual Benefits

Key competencies that will be developed include:

- Process identification and automation design
- Hands-on familiarity with RPA and AI platforms
- Knowledge of intelligent document processing and chatbots
- Capability to evaluate automation value and scalability
- Skills in managing digital workforce integration and change

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Faster and more accurate process execution through automation
- Reduced operational costs and improved efficiency
- Enhanced employee productivity and customer satisfaction
- Improved decision-making using AI-driven insights
- Stronger governance and strategic alignment in automation programs

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Industry trends, RPA frameworks, AI technologies
- Case Studies - Real-world automation success stories
- Workshops - Process mapping, bot design, AI integration
- Peer Exchange - Automation challenges and implementation strategies
- Tools - RPA software (UiPath, Automation Anywhere), ML models, OCR tools

Course Outline

Training Hours: 7:30 AM - 3:30 PM Daily Format: 3-4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 - 02:00

Day 1: Foundations of AI and RPA

- Module 1: Introduction to Artificial Intelligence and RPA (07:30 - 09:30) • Key concepts, evolution, and benefits of AI + RPA
- Module 2: RPA Tools and Architecture Overview (09:45 - 11:15) • UiPath, Blue Prism, Automation Anywhere comparison
- Module 3: Identifying Automation Opportunities (11:30 - 01:00) • Process assessment criteria, ROI evaluation
- Module 4: Workshop - Map a Process for Automation (02:00 - 03:30) • Hands-on: Design a process flow for RPA

Day 2: Process Design and Bot Development

- Module 5: Designing Automation Workflows (07:30 - 09:30) • Process logic, loops, decision blocks
- Module 6: Building Bots Using RPA Tools (09:45 - 11:15) • Bot development, task recording, test execution
- Module 7: Exception Handling and Error Management (11:30 - 01:00) • Validation, fallback procedures, audit trails
- Module 8: Workshop - Develop a Simple RPA Bot (02:00 - 03:30) • Lab session using UiPath or Automation Anywhere

Day 3: Integrating AI into Automation

- Module 9: Cognitive Automation with AI Technologies (07:30 - 09:30) • OCR, NLP, machine learning, computer vision
- Module 10: AI-Powered Decision-Making in Workflows (09:45 - 11:15) • ML model integration, chatbot frameworks
- Module 11: Document Understanding and Unstructured Data (11:30 - 01:00) • Extracting and processing data using AI tools
- Module 12: Workshop - Build an AI-Enhanced RPA Flow (02:00 - 03:30) • Create a document-processing automation

Day 4: Strategy, Deployment, and Governance

- Module 13: Scaling Automation Across the Enterprise (07:30 - 09:30) • Automation Center of Excellence, roadmap design
- Module 14: Governance, Risk, and Compliance in Automation (09:45 - 11:15) • Data protection, auditability, ethical AI use
- Module 15: Managing Change and Stakeholder Buy-In (11:30 - 01:00) • Communication, training, resistance management
- Module 16: Workshop - Design an Automation Strategy (02:00 - 03:30) • Group exercise on scaling RPA with AI support

Day 5: Review, Simulation, and Future Trends

- Module 17: Trends in AI and Hyperautomation (07:30 - 09:30) • Process mining, generative AI, citizen development
- Module 18: Performance Metrics and Success Measurement (09:45 - 11:15) • KPIs, SLA alignment, cost savings tracking
- Module 19: Final Simulation - End-to-End Automation Case Study (11:30 - 01:00) • Team-based automation planning challenge
- Module 20: Final Workshop - Present an AI + RPA Use Case (02:00 - 03:30) • Group presentations and feedback

Certification

Participants will receive a Certificate of Completion in Artificial Intelligence and Robotic Process Automation, validating their ability to identify, design, and implement intelligent automation solutions that integrate AI and RPA technologies to improve business performance.

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