MERCURY

Automation Professional

17 – 21 May 2027
Paris (France)



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Introduction

Automation is transforming how organizations operate by increasing efficiency, accuracy, and scalability across digital and industrial environments. This Automation Professional course provides a structured pathway to understand core automation principles and their real-world applications. Participants will explore how automation technologies improve workflows, reduce manual effort, and enhance operational performance. The program introduces modern automation tools used in business, IT, and industrial systems. It focuses on integrating automation strategies into existing processes to support digital transformation. Learners will gain a strong conceptual foundation to work confidently in automation-driven environments.

Targeted Groups

This Automation Professional training targets professionals seeking knowledge and skills:

- IT specialists aiming to expand automation expertise.
- Business analysts are improving workflow efficiency.
- Engineers working with industrial automation systems.
- Process managers optimizing operations.
- RPA beginners entering automation careers.
- Digital transformation teams in organizations.
- Technical staff supporting automation platforms.
- Graduates entering automation training course pathways.

Course Objectives

Participants will achieve the following objectives by completing the Automation Professional course:

- Understand core automation systems and principles.
- Identify automation opportunities in business processes.
- Apply workflow automation concepts effectively.
- Analyze process automation for efficiency gains.
- Understand RPA tools and their applications.
- Evaluate AI automation in modern systems.
- Design basic automated workflows for operations.
- Improve operational performance through automation.
- Integrate automation into digital transformation plans.
- Support scalable automation implementation strategies.

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Targeted Competencies

Participants will gain the following competencies during the Automation Professional program:

- Understanding automation systems and workflow logic.
- Ability to design basic automation processes.
- Knowledge of RPA fundamentals and use cases.
- Skills in analyzing operational inefficiencies.
- Awareness of AI-driven automation tools.
- Competence in process optimization techniques.
- Understanding of automation deployment environments.
- Ability to support automation projects effectively.

Studying Scenarios

In this Automation Professional training, participants develop skills through the following scenarios:

- Automating repetitive office tasks using workflow tools.
- Improving service delivery through process automation.
- Applying RPA to reduce manual data entry.
- Enhancing reporting systems with automation techniques.
- Supporting digital transformation in a business unit.

Course Content

Unit 1: Introduction to Automation Systems

- Understanding automation professional fundamentals clearly
- Exploring automation systems in modern industries
- Identifying types of automation technologies used today
- Reviewing the evolution of industrial automation solutions
- Understanding workflow automation basics in organizations
- Recognizing the benefits of automation in operations
- Examining automation training course pathways and roles

Unit 2: Workflow Automation and Process Design

- Mapping business processes for automation readiness
- Designing structured workflow automation models
- Identifying inefficiencies in manual processes
- Applying process automation principles effectively
- Understanding automation lifecycle stages clearly
- Improving task execution through structured automation
- Supporting operational efficiency using digital workflows

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Unit 3: Robotic Process Automation RPA

- Understanding RPA fundamentals and core concepts
- Exploring RPA tools in business environments
- Automating repetitive rule-based tasks efficiently
- Identifying suitable RPA implementation areas
- Integrating RPA with existing automation systems
- Evaluating the performance of automated processes
- Supporting enterprise automation strategies using RPA

Unit 4: AI and Intelligent Automation

- Understanding AI automation in modern systems
- Exploring machine learning in automation processes
- Enhancing decision-making through intelligent automation
- Applying AI tools to optimize workflows
- Understanding predictive automation capabilities
- Integrating AI with business automation strategies
- Improving system intelligence in operations

Unit 5: Automation Implementation and Optimization

- Planning automation deployment in organizations
- Managing automation system integration effectively
- Monitoring performance of automated workflows
- Optimizing automation systems for efficiency gains
- Supporting scalability in automation architecture
- Evaluating automation impact on business outcomes
- Maintaining continuous improvement in automation processes

Final Insights & Key Takeaways

Automation skills are essential for modern professionals aiming to improve efficiency and operational performance. Mastering automation systems, RPA, and AI-driven workflows creates strong career and organizational value.