

# Automation AI Professional Training Course

Automation AI Professional certifies expertise in leveraging AI to build efficient automation solutions, enhancing skills in UiPath platforms for optimized workflows.

 RPA-300

## Course Outcomes

## Professional, practical, & hands-on live instructor-led training

Advance your skills and graduate as a certified professional, with the skills, experience, and job-search know how to get your career moving.

 **Start Today**

## Potential Career Tracks

AI Automation Developer

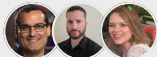
RPA Developer

Data Analyst

AI Consultant

AI Automation Specialist

RPA ML Engineer



Taught by Industry Veterans &  
World Class Instructors

## Introduction to Automation AI Professional

### Course Overview

The Automation AI Professional Training Course at Intellectual Point is meticulously crafted to empower you with the comprehensive knowledge and technical competence required to excel in Artificial Intelligence using UiPath tools. This course offers an immersive learning experience that blends theoretical AI concepts with practical automation applications. It focuses on developing skills in deploying AI models, automating workflows, and optimizing operations in data-driven environments. By the end of the course, participants will be proficient in integrating AI solutions using UiPath to drive business efficiencies and innovations.

Throughout the training, you will explore the fundamentals of AI and its integration with UiPath, including data processing, machine learning, and robotic process automation (RPA). The course emphasizes hands-on training through projects and exercises on deploying AI-driven RPA solutions. By the end of the program, you will be capable of mastering AI applications in real-world business scenarios and driving automation strategies.

### Obtainable Skills

AI Model Deployment

Robotic Process Automation

Machine Learning Integration

Workflow Automation

Data Processing and Analysis

UiPath Automation Techniques

Scripting and Programming

AI Solution Optimization

Business Process Innovation

## Course Insights

### Audience Profile

This Automation AI Professional Training Course is designed for current technology professionals seeking to expand their expertise in AI and RPA using UiPath. Ideal for data analysts, RPA developers, and IT consultants interested in leveraging AI technologies, it suits individuals who wish to innovate business processes and enhance their technical skills in automation. The course is also fitting for professionals aspiring to drive digital transformation and pursue advanced roles in AI and automation sectors, as well as those seeking to validate their skills with a specialized credential.

### Course Outcomes

By the end of this course, participants will:

1 Acquire proficiency in deploying AI models within UiPath AI frameworks.

2 Master the principles and practices of robotic process automation with AI.

3 Develop and apply machine learning models to solve business challenges.

4 Optimize workflows through strategic AI-driven automation initiatives.

5 Obtain UiPath Certified Specialized AI Professional certification.

## Module by Module Learning *Outline*

 **6 Modules**

### Module 1: Foundations of Artificial Intelligence and Automation

#### Learning Objectives:

- Understand the basic concepts of AI and their application in automation.
- Learn the role of AI in driving workflow and process efficiency.

#### Topics Covered

##### Introduction to AI and Automation:

- Definition and scope of AI.
- Importance of AI in automating tasks.

##### AI and Process Efficiency:

- How AI enhances operational efficiency.
- Case studies of AI-driven automation.

### Module 2: UiPath Tools and AI Integration

#### Learning Objectives:

- Familiarize with UiPath features and capabilities.
- Learn how to integrate AI models within UiPath workflows.

#### Topics Covered

##### UiPath Platform Overview:

- Tools and functionalities in UiPath.
- Setting up the UiPath environment.

##### Integrating AI with UiPath:

- Connecting AI models to automating scripts.
- Examples of AI models in practice.

### Module 3: Robotic Process Automation Fundamentals

#### Learning Objectives:

- Master the key concepts of Robotic Process Automation (RPA).
- Develop skills to design and deploy RPA solutions.

#### Topics Covered

##### Understanding RPA:

- Definition and benefits of RPA.
- Types of tasks suitable for RPA.

##### RPA Solution Development:

- Building simple bots using UiPath.
- Deploying and monitoring RPA solutions.

### Module 4: Machine Learning and AI Model Deployment

#### Learning Objectives:

- Gain insights into machine learning principles.
- Learn how to deploy AI models in real-world scenarios.

#### Topics Covered

##### Machine Learning Basics:

- Types of machine learning: Supervised and unsupervised learning.
- Model evaluation techniques.

##### AI Model Deployment:

- Key considerations for deploying AI models.
- Managing AI models in a production environment.

### Module 5: Workflow Automation and Optimization

#### Learning Objectives:

- Explore advanced techniques in workflow automation.
- Learn strategies for optimizing business processes using AI.

#### Topics Covered

##### Advanced Workflow Automation:

- Designing efficient automated workflows.
- Tools and methodologies for automation optimization.

##### Process Optimization with AI:

- Identifying improvement areas.
- Applying AI solutions to enhance business processes.

### Module 6: Hands-On AI Driven RPA Project

#### Learning Objectives:

- Apply concepts learned to create a comprehensive AI-driven RPA solution.
- Validate skills through hands-on project work.

#### Topics Covered

##### AI RPA Project Planning:

- Selecting suitable projects for AI-driven RPA.
- Planning and resource allocation.

##### Implementation and Testing:

- Building and testing the RPA project with AI integration.
- Troubleshooting and iterating based on test outcomes.