UiPath AI Center: Intelligent Process Automation

Course Description

The UiPath AI Center: Intelligent Process Automation course provides participants with a comprehensive understanding of integrating artificial intelligence (AI) capabilities into Robotic Process Automation (RPA) projects using UiPath AI Center. This course covers the fundamentals of intelligent automation, the role of AI in RPA, the advantages of using UiPath for AI-powered automation, and the capabilities of UiPath AI Center. Participants will learn how to set up and configure AI Center, explore pre-built models for object detection and sentiment analysis, analyze the output of models, and understand the additional out-of-the-box (OOTB) models available in UiPath AI Center. Practical exercises and demonstrations enable participants to gain hands-on experience in applying AI to automation processes.

Audience

- RPA developers and architects
- AI and ML enthusiasts interested in combining AI with RPA
- Business professionals involved in process automation initiatives
- IT professionals seeking to enhance their knowledge of intelligent process automation

Pre-requisite Knowledge/Skills

- Basic understanding of RPA concepts and processes
- Familiarity with UiPath RPA platform (recommended but not mandatory)
- No prior experience with AI or machine learning required

Course Objectives

Upon successful completion of this course, students will be able to:

- Gain an understanding of the role of AI in automation and its benefits
- Explore the integration of AI and RPA technologies
- Discover why UiPath is a leading choice for AI-powered automation
- Learn the key components and functionalities of UiPath AI Center
- Set up and configure AI Center on the UiPath tenant
- Deploy and manage AI models in UiPath AI Center
- Analyze the output of pre-built models for object detection and sentiment analysis
- Explore additional pre-built models available in UiPath AI Center

Course Outline

The course comprises 24-hours of theory and labs. It's divided into 10 different modules.

Module 1: Introduction to Intelligent Process Automation

- Understanding the role of AI in automation
- Benefits and applications of intelligent process automation
- Introduction to UiPath AI Center and its capabilities

Module 2: RPA and AI: Why UiPath in RPA

- Integration of RPA and AI technologies
- How UiPath combines RPA and AI for enhanced automation
- Advantages of using UiPath in AI-powered automation projects

Module 3: AI Center: AI + RPA

- Overview of UiPath AI Center and its architecture
- Key components and functionalities of AI Center
- Integration of AI models with UiPath workflows

Module 4: Pre-Requisites for AI Center

- Understanding the prerequisites for setting up and using AI Center
- Required software and hardware configurations
- Data preparation and model training requirements

Module 5: Enabling AI Center on the Tenant

- Step-by-step guide to enabling and configuring AI Center on the UiPath tenant
- Setting up AI Center roles and permissions

Module 6: UiPath AI Center

- Exploring the AI Center user interface and features
- Deploying and managing AI models in AI Center
- Monitoring and analyzing model performance

Module 7: AI Center Object Detection Demo

- Demonstrating object detection capabilities in AI Center
- Creating and training an object detection model
- Deploying and using the model in automation workflows

Module 8: Analyzing the Output of the OOTB Model

- Analyzing the output of the pre-built (out-of-the-box) models in AI Center
- Understanding the insights and data generated by the models

Module 9: Sentiment Analysis in AI Center

- Applying sentiment analysis techniques in automation processes
- Training and deploying sentiment analysis models in AI Center

Module 10: What's More in OOTB Models UiPath

- Exploring additional pre-built models available in UiPath AI Center
- Understanding the capabilities and use cases of these models