UiPath HyperAutomation: Master the Power of AI and RPA

Course Description

The Comprehensive UiPath Automation Training is a comprehensive program designed to equip participants with the skills and knowledge required to become proficient in UiPath automation technology. The course covers a wide range of topics, including Document Understanding, UiPath Test Manager, and UiPath AI Center. Participants will gain hands-on experience with the UiPath platform, learning how to build efficient and robust automation solutions.

Audience

This course is suitable for individuals who want to enhance their automation skills and pursue a career in Robotic Process Automation (RPA). It is ideal for:

- RPA Developers and Architects
- Business Analysts
- Automation Consultants
- IT Professionals interested in automation

Pre-requisite Knowledge/Skills

- Basic understanding of programming concepts
- Familiarity with Windows operating system
- No prior experience with UiPath is required, but basic knowledge of RPA concepts is beneficial

Course Objectives

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

- Understand the fundamentals of UiPath automation technology
- Utilize Document Understanding capabilities for intelligent document processing
- Efficiently manage test cases using UiPath Test Manager
- Harness the power of UiPath AI Center for advanced automation scenarios
- Develop automation solutions that meet business requirements

Course Outline

The course comprises 40-hours of theory and labs. It's divided into10 different modules.

Module 1: Document Understanding Overview and Introduction to UiPath AI Center

- Introduction, What is a Document, Document Structures

- How Document Understanding can benefit your business, OCR vs Document Understanding
- Introduction to UiPath AI Center, Licensing model of UiPath DU & AI Center

Module 2: Document Understanding Framework Components and Implementation Steps

- Components Overview, Packages to be Installed
- Implementation Steps: Taxonomy, Digitization Scanned and Native Documents, Classification
- Implementation Steps: Extraction, Validation, Export, Training Classifiers and Extractors
- Document Understanding Process: Studio Template
- Post-Processing Feedback Loop

Module 3: Taxonomy, Digitization, and Classification

- What is a Taxonomy, Taxonomy Extension Methods, Taxonomy Manager
- What is Digitization, When is OCR Used in Digitization
- What is Document Classification, Configure Classifiers Wizard
- When Classification Validation Should be Used, When Classification Training Should be Used
- Extraction, Validation, and Export: Extracting data from receipts, Extracting data from form
- Validate the results using Validation Station, Export the extraction results
- Document Understanding Service: Projects, Document types and Extractors, Forms AI, Document Manager Overview

Module 4: Introduction to UiPath Test Manager

- Overview of UiPath Test Manager
- Importance of test case management in RPA projects
- Key features and benefits of UiPath Test Manager

Module 5: Test Manager User Interface and Configuration

- Navigating the Test Manager interface
- Understanding the different sections and functionalities
- Configuring user roles and permissions

Module 6: Test Case Management and Execution

- Defining and managing requirements in Test Manager
- Creating manual test cases and executing them
- Linking and executing automated test cases
- Analyzing test results, tracking status, and generating reports

Module 7: Introduction to Intelligent Process Automation and RPA with AI

- Understanding the role of AI in automation
- Benefits and applications of Intelligent Process Automation
- Integration of RPA and AI technologies
- How UiPath combines RPA and AI for enhanced automation

Module 8: UiPath AI Center: Overview and Setup

- Introduction to UiPath AI Center and its capabilities
- Overview of UiPath AI Center architecture
- Setting up AI Center and its prerequisites
- Enabling and configuring AI Center on the UiPath tenant

Module 9: Managing AI Models in UiPath AI Center

- Key components and functionalities of AI Center
- Integration of AI models with UiPath workflows
- Deploying, managing, and monitoring AI models in AI Center
- Analyzing the output of pre-built models in AI Center

Module 10: Advanced AI Capabilities in UiPath AI Center

- Object detection in AI Center: Creating, training, and deploying object detection models
- Sentiment analysis in AI Center: Training and deploying sentiment analysis models
- Exploring additional pre-built models available in UiPath AI Center and their use cases