

UiPath Test Automation Engineer

Course Description

The UiPath Test Automation Engineer training program is designed to provide experienced professionals with the knowledge and skills required to build and manage automated test cases using UiPath's Test Suite. This intermediate-level course is tailored for those who have previously worked with UiPath or have completed the UiPath Automation Developer Associate (ADAv1) certification. Participants will gain hands-on experience with various components of the UiPath Test Suite, enabling them to effectively integrate automated testing into enterprise-level projects. The course covers everything from basic testing concepts to advanced integration techniques, empowering attendees to contribute meaningfully to their organization's testing initiatives.

Audience

This course is intended for:

- Experienced UiPath practitioners looking to specialize in test automation.
- Professionals who have completed the UiPath Automation Developer Associate (ADAv1) certification.
- Individuals seeking to deepen their expertise in automated testing frameworks.

Pre-requisite Knowledge/Skills

- Completion of the UiPath Automation Developer Associate (ADAv1) certification.
- Basic understanding of automation concepts and technologies.
- Familiarity with enterprise-level testing and development processes.

Course Objectives

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

1. Understand the capabilities and components of the UiPath Test Suite.
2. Build and execute automated test cases for web, desktop, and mobile applications.
3. Utilize UiPath Test Manager for effective test management and execution.
4. Develop cross-browser, API, and desktop application tests using UiPath Studio.
5. Implement coded automation for complex testing scenarios.
6. Integrate robotic process automation with test automation workflows.
7. Design and implement Continuous Integration and Continuous Deployment (CI/CD) pipelines.
8. Conduct SAP testing using UiPath Test Suite.

9. Perform mobile device automation and testing.
10. Assess and improve test automation strategies within enterprise environments.

Course Outline

Module 1: UiPath Test Suite Overview

- Introduction to UiPath Test Suite
- Key Features and Benefits
- Overview of Test Automation Concepts

Module 2: UiPath Test Manager Overview

- Introduction to UiPath Test Manager
- Test Management and Execution
- Best Practices for Test Case Management

Module 3: Get Started With Testing in Studio

- Setting Up UiPath Studio for Testing
- Creating Basic Test Cases
- Debugging and Troubleshooting

Module 4: Cross-Browser, API, and Desktop Apps Testing With Studio

- Cross-Browser Testing Techniques
- API Testing Essentials
- Desktop Application Testing

Module 5: Coded Automation for Testing

- Introduction to Coded Automation
- Writing Custom Automation Scripts
- Enhancing Test Cases with Code

Module 6: Robot and Orchestrator for Testing

- Utilizing Robots for Test Automation

- Integrating Orchestrator in Test Workflows
- Managing Test Execution with Orchestrator

Module 7: Execute Tests With Test Manager

- Running Automated Tests
- Analyzing Test Results
- Reporting and Documentation

Module 8: Build Continuous Integration and Continuous Deployment Pipelines

- Understanding CI/CD Concepts
- Setting Up CI/CD Pipelines
- Integrating Testing into Deployment Workflows

Module 9: SAP Testing With UiPath

- SAP Testing Fundamentals
- Automating SAP Test Cases
- Best Practices for SAP Test Automation

Module 10: Mobile Device Automation with UiPath Test Suite

- Introduction to Mobile Device Testing
- Setting Up Mobile Test Environments
- Executing Mobile Automated Tests

Module 11: Test Automation Engineer Training Assessment

- Comprehensive Assessment
- Knowledge Check and Certification