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The Robotic Process Automation Training using UiPath course equips delegates with the essential knowledge and skills required to drive RPA initiatives in the organisation and make them an expert in UiPath RPA tool. The delegates will be introduced to the world of Robotic Process Automation. The course provides comprehensive knowledge on RPA tool named 'UiPath'. During the UiPath course, the delegates will learn about the working of Robotics Process Automations, perform image and text automation and handle exceptions in workflow automations.

The delegates will also learn how to work proficiently with the leading RPA tool UiPath and create automations with applications which run in Virtual Environments. By the completion of the course, the delegates will be able to automate real-world processes at the enterprise level such as Purchase Orders Processing, Complaints Management, Employee Onboarding, Invoice Processing and many more. Robotic Process Automation (RPA) is an automation technology which helps to automate an organisation everyday tasks by saving the time, reducing human stress and increasing the output.

Prerequisites

The delegates are expected to have:

- Basic programming knowledge of using if/else and switch conditions?
- ?Logical thinking ability?

Course Objectives

- Get insights into UI Automation concepts
- Learn how to use several types of data inside a workflow
- Develop skills in debugging a workflow
- Gain skills in building workflows using UiPath
- Gain expertise in Desktop, Web and Citrix Automation
- Reusing automation that invokes workflow and templates

Introduction to Robotic Process Automation

- Why Automate Repetitive Tasks/Process
- Scope and Techniques of Automation
- RPA Tools List

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- UiPath Stack
- Downloading and Installing UiPath Studio
- Task Recorder
- Examples using the Recorder

Sequence, Flowchart and Control Flow

- Sequencing the Workflow
- Activities
- Control Flow, Loops and Decision Making
- Example using Sequence, Flowchart and Control Flow

Data Manipulation

- Variables and Scope
- Collections
- Arguments
- Use of Data Table
- Clipboard Management and File Operations

Taking Control of the Controls

- Finding and Attaching Windows
- Finding the Control
- Techniques for Waiting for a Control
- Acton Controls – Mouse and Keyboard Activities
- Working with UiExplorer
- Handling Events and Revisit Recorder
- Screen Scraping and OCR
- How to Avoid Typical Failure Points

Using External Plugins and Extension

- Terminal, Java and Mail Plugin
- SAP and Citrix Automation
- Web Integration
- Excel and Word Plugins
- Credential Management
- Extensions such as Firefox, Java, Chrome, and Silverlight

Bots

Handling User Events and Assistant Bots

- Assistant Bots
- Monitoring System Event Triggers
- Monitoring Image and Element Triggers

Exception Handling, Logging and Debugging

- Exception Handling
- How to handle Common Exceptions
- Debugging Techniques and Logging

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- Project Organisation
- Nesting Workflows
- Commenting Techniques
- State Machine
- Use of Flowcharts, State Machines or Sequences
- Config Files
- Integrating a TFS Server

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