

# RPA- Robotics Process Automation – UI Path

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**Duration: 5-6 Weekend**

**Prerequisites**

- There are no Pre-requisites for this course.
- A Basic Knowledge of Programming Language is beneficial.

**Course Contents**

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**1. RPA Overview**

- Introduction to RPA
- What is Robotic Process Automation
- How RPA works
- Industry implementation of RPA
- Various RPA tools

**2. Overview of UI Path**

- Introduction to UI Path and Why UI Path
- Build a simple Software robot
- RPA Market

**3. RPA Installation and Setup**

- Install UI Path Studio (Community Edition)
- Install important packages
- Examine Installed Activities
- Setting up the browser
- Renewing License

**4. Basic of Tools**

- Overview
- Create New Projects
- Types of Projects
- Open and copy Existing Projects
- UI Path Dashboard
- Project and windows Tour

**5. Basic UI Path Skills**

- Sequences and Flowcharts
- Display a message box
- Logging to output window
- Open and Read a text file
- Send email
- Debugging the code line by line

**6. Creating Scripts**

- Variable and Types of variables
- Variable scope and global scope
- Managing arguments and using arguments
- Control Structure

**7. Exception and Debugging**

- Exception Handling
- Logging
- Debugging
- Tracing

**8. User Events, Recorder and Data Scraping**

- Various User Events
- Managing user Events
- Automate Data from Email
- Introduction to Recorder
- Recording Types
- What is Data Scraping
- Scraping data from Screen
- Scraping data from Web

**9. Control Robots using Orchestrator**

- Orchestrator Overview
- Create an Orchestrator account
- Login/Setup/tour the UI
- Connecting Robot
- Schedule and run an unattended robot
- Pause an attended robot

**10. Windows Application**

- Example of one Windows application Automation

**11. Web Application**

- Example of Web Application Automation
- Launch the browser and close
- Login and Logout
- Performing certain operations

## **12. Workflow, citrix and Data Manipulation**

- Workflow: Control Flow, Flowcharts, State Machine, Checkpoint, Invoke
- Orchestrator: Queues, Assets, Process
- Citrix Automation
- Introduction to Citrix Automation
- Automating Virtual Environments using Citrix
- Automating Text and Image in the Virtual Environment
- Image to Text Conversion in Virtual Environment
- Data Manipulation

## **13. Image and Text Automation**

- About image and text automation
- Mouse and keyboard activities
- Image activities
- Text automation
- OCR and image automation

## **14. Email and PDF Automation**

- Email automation and PDF-data-extraction

## **15. Excel Automation basics**

- Read worksheet
- Write data table into a worksheet
- Read /Write cell data

## **❖ RPA Practical Implementation and Hands on Exercises**