

## UiPath Training Course Content

### SECTION 1: INTRODUCTION

- What is RPA?
- Explanation on RPA Tools
- Future Scope of RPA
- Demanding RPA Tools & Features
- UiPath Tool – Introduction

### SECTION 2: UIPATH

- UiPath Framework & Components
- UiPath Studio Interface Walkthrough
  - The Ribbon
  - The Quick Access Toolbar
    - Project Templates
    - Source Control System Integration
    - Project & Studio Settings
  - Workflow Designer
    - Project Panel
    - Main Panel
    - Activities Panel
    - Properties Panel
    - Output Panel
  - Manage Packages

### SECTION 3: TYPES OF WORKFLOW

- Flowchart
- Sequence
- State Machine
- Global Handler

### SECTION 4: VARIABLE TYPES

- Text Variable
- Number Variable
- Boolean Variable
- Date & Time Variable
- Collections Variable
- Data Table
- Generic Value
- Queue Item

- Conversion between variable types

## SECTION 5: RECORDING

- Definition
- Types of Recording
- Basic
- Desktop
- Web
- Citrix

### Practical:

- Hands-on in recording desktop(Calculator/Notepad) & a Web application

## SECTION 6: CONTROL FLOW ACTIVITIES

- Assign Activity
- Delay Activity
- While Activity
- Do While Activity
- If Activity
- Switch Activity
- For Each Activity
- Break Activity

### Practical:

- Hands-on in Looping activities

## SECTION 7: INPUT AND OUTPUT METHODS

- Input Methods
  - Default
  - Send Window Messages
  - Simulate Type/Click
- Output Methods/Screen Scraping
  - Full Text
  - Native
  - OCR
    - Microsoft OCR
    - Google OCR

### Practical:

- Hands-on in extraction of data from web pages and images

## SECTION 8: SELECTORS

- Selector – Definition
- Generation Standard & Dynamic Selectors

- Passing Variables in Selectors
- Full vs Partial Selector

**Practical:**

- Hands-on in fetching & creating standard & dynamic selectors from web pages. Pass variables in selectors for navigation between web pages.

**SECTION 9: DATA SCRAPING**

- Extraction of structured data from web page to Excel sheet or CSV file

**Practical:**

- Hands-on in extracting structured data from web pages

**SECTION 10: EXCEL AND PDF AUTOMATION**

- Reading and Working with rows of Excel
- Looping through Excel
- Comparing different Excel workbooks
- Writing to Excel
- Working with Pdf files

**Practical:**

- Hands-on in retrieving data from the web and writing onto an Excel file and comparison of values between different sheets of an Excel file.
- Hands-on in reading PDF and data manipulation with retrieved data using scraping methods and anchor base techniques

**SECTION 11: ADDITIONAL FEATURES**

- Dictionary Concepts & XML Parsing
- Invoking Multiple workflows
- Introduction to Arguments

**Practical:**

- Hands-on using xml & dictionary concepts
- Hands-on segregating complex projects to multiple sub workflows

**SECTION 12: EMAIL AUTOMATION**

- Outlook Email Activity
- Get IMAP Mail Activity
- Get POP3 Mail Message
- Get Exchange Mail Activity

**Practical:**

- Hands-on in sending and receiving mail messages.

### **SECTION 13: EXCEPTION HANDLING & DEBUGGING**

- Exception Handling
- Types of Exceptions
- Creating & Throwing exceptions
- Application failure – Initialize & Retry
- Debugging & Logging

#### **Practical:**

- Hands-on in handling Data discrepancies & application failures. Exception logging with with application recovery

### **SECTION 14: ORCHESTRATOR**

- Dashboard – features & capabilities
- Robots & Environments
- Packages & Processes
- Jobs & Schedules
- Queues & Transaction
- Credentials & Security Management
- Deployment & Monitoring in Orchestrator

#### **Practical:**

- Hands-on in data loading, retrieval and processing multiple data sources to queues.

### **SECTION 15: REFRAMEWORK**

- Definition
- Different modules of RE Framework
- Hands-on in working with and developing codes in RE Framework

### **SECTION 16 – REAL TIME PROJECTS & CASE STUDIES**