1. **RPA Concepts**

* **Goal:** In this module, you will learn about various RPA concepts and RPA tools

**Topics:**

• Why to automate repetitive tasks/process

• What is Robotic Process Automation

• RPA development methodology and lifecycle

• Exception Handling

• Credential Management

• Types of Bots

• List of Robotic Process Automation Tools

1. **Overview of UiPath**

* **Goal:** In this module, you will learn about UiPath and its basic concepts

**Topics:**

• Introduction to UiPath

* Types of Projects
  + Blank
  + Simple Process
  + Transactional Business Processes

• User Interface

* Ribbon
* Activity Panel
* Properties Panel
* Configuration Panel
* Output Terminal

• Domains in Activities

* UI Automation
* User Events
* Orchestrator
* App Integration
* System
* Programming
* Workflow

• Workflow Files in UiPath

* Sequence
* Flowchart
* State Machine

1. **UI Automation and System Activities**

* **Goal:** In this module, you will learn about UI Automation, System Activities, Properties, Variables, Output, Arguments, Imports and their usage
* **Topics:**

• UI Automation

* + - Element
    - Text
    - OCR
    - Image
    - Browser
    - Window

• System

* File
* Clipboard
* Application
* Environment
* PowerShell
* Dialog

• Properties

* Variables
* Managing Variables
* Naming Best Practices
* The Variables Panel
* Types of Variables

• Output

* Arguments
* Managing Arguments
* Naming Best Practices
* The Arguments Panel
* Using Arguments

• Import

* About Imported Namespaces
* Importing New Namespaces

#### User Events, Recorder and Scraping

* **Goal:**In this module, you will learn about User Events, Recorder and different Scraping Methods.

Recorder helps us to record the sequence of the task that we need to automate.

Scraping enables us to extract data from our browser, application or document to a database, .csv file or even Excel spreadsheet

* **Topics:**
* **User Events**
  + - * Element Trigger
      * Image Trigger
      * System Trigger
* **App Integration**
  + - * Excel
      * CSV
      * Mail Automation
* **Recorder**
  + - * Introduction to Recorder
      * Recording Types
      * Automatic Recording and Manual Recording
      * Example of Automatic Recording with Basic and Desktop
      * Example of Automatic Recording with Web
      * Manual Recording
* **Scraping**
  + - * Screen Scraping
      * Data Scraping
* **Selector**
  + - * About Selectors
      * Selectors with Wildcards
      * Full versus Partial Selectors
      * UiPath Explorer

**5. Workflow, Citrix and Data Manipulation**

* **Goal:** In this module, you will learn about workflow, orchestrator, citrix and data manipulation
  + **Topics:**
* **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**
* **PDF Automation**
* PDF Data Extraction and Automation

**6. Programming and Troubleshooting**

* **Goal:**In this module, you will learn about Programming in UiPath, organizing projects, debugging projects and handling exceptions
* **Topics:**
  + **Programming**
* Collection
* String
* Data Table
* Debug
* Execute
* GenricValue

**• Project Organization**

* Workspace overview
* Extract as Workflow
* How to model a complex automation process

**• Error Handling**

* Rethrow
* Terminate Workflow
* Throw
* Try Catch

**7. Orchestrator CE & Other RPA Tools**

* **Goal:**In this module, you will learn about Orchestrator CE and other RPA tools
* **Topics:**

• Deep Dive into Orchestrator Community Edition

• Know about different RPA tools and their trend