

UIPATH COURSE SYLLABUS

RPA Introduction

What is Robotic Process Automation?

How RPA Works?

Processes Suitable for RPA

RPA Market Size and Growth

RPA Development Skills

RPA Benefits and Use Cases

ROI

Benefits of RPA

Use cases

RPA Products

RPA Products

Leadership Positions

Product Selection Criteria

RPA and Artificial Intelligence

AI Technologies and RPA

Digital Workforce

UiPath Introduction

UiPath Software

Studio.Robot.Orchestrator.UiExplorer

UiPath UI and Keyboard Shortcuts

Updating UiPath Studio

WorkFlows

Chrome & Firefox Extensions

Logging

Sequences

Flowcharts

State Machines

Activities and Packages

Managing Packages

UI Automation

UI Elements

Ui Activities Properties

Input and Output Methods

Relative Scraping

Selectors

Selectors with Wildcards

Full Versus Partial Selectors

UiPath Explorer

Recording

Recording Types – Basic | Desktop | Web | Citrix |

Automatic Recording

Manual Recording

UI Automation

Mouse, Keyboard, Find, Control

User Events

Elements, Image, System, Triggers

Screen & Data Scraping

Full Text, Visible Text, OCR

Semi Structured/Patterned Data

Structured Data / Tabular Data

Programming and Data Manipulation

Data Types

Arrays and collections, user Defined

Libraries

Variables

Managing Variables, the Variables Panel

Naming Best Practices, etc.

Arguments

Managing Arguments

The Arguments Panel

NameSpaces – Importing Namespaces

Control Flows

If| While | Do While | For-Each| Break | Continue |Switch Assign | Delay

Advanced Activities

Parallel, Pick – Pick Branch

SOAP and Rest Services, Integration with Python, Java, VB.Net, JScript

Data Manipulation – Run Time Data Manipulation

Error Handling – Try Catch

Debugging Workflows and Best Practices

Image and Text Automation

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Managing Packages

Excel, PDF, Email Automation

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Orchestrator

Control Center

Dashboard

Provisioning and Deployment

Robots and Environments

Processes and Packages

Jobs and Schedules

Queues and Transactions

Assets, Alerts, Audit, Logs

Users and Roles

SAP and Terminal Automation

How to Automate SAP Applications (using screen snapshots)

Mainframe and Terminals Automation

How to Automate Mainframe Terminals (using screen snapshots)

Advanced Topics

SAP Automation

Introduction to RE Framework

Introduction to Cognitive Activities

Introduction to Process Mining

Introduction to RPA as a Service

Blue Prism Introduction

How Blue Prism works & areas of RPA

Users, Roles and Permission

Flow Charts

Design

Draw flow chart and diagrams

Inputs and Outputs

SDD, PDI, ODI

Object Studio, Process Studio

Development

Basic actions in Blue Prism

Object in the context of business and Blue Prism

Process – business and Blue Prism context

Actions in the Object and Process Studio

Object Studio – Object flow

Process Studio – Process Flow

Correct use of data types, session and environment variables

System Manager

Exception Handling and case management

Publishing process in control room

Control Room resource and session mgmt

Basic VBO's – in built VBO's

Basic work queues – all the templates

Blue Prism internal calculation functions

How to debug process solutions

Work Queues

Work Queues and Advanced Features

Basic work queues

BP Work Queue template1

BP Work Queue template2

BP Work Queue template3

Mode of interactions with various application types

Windows applications – win32 mode Mainframe applications

Web application – html mode

Surface automation – region mode

Advanced Features ▪ Undefined Collections

Casting

Code Stage

Global Send Keys

Application Manager Mode

Dynamic Attributes

BP Advanced features

Governance and Security

Credential Mapping

Advanced Surface Automation

Google – Gmail Application interaction with BP

Development Best practices

Case study on BP

Writing customised sql stored procedures to update dashboard

Creating new tiles and populating the dash board

Complete understanding on the new features in blue prism version6.3

Scheduling the production bots and monitoring

Managing the task scheduler

Setting up new run time bots in real time

Login agent configuration and windows task scheduler

Multi Bot Architecture

Environmental lock and request stop commands

Real time usage of session and environmental variables usage

Calendar configuration and usage in scheduling

Log utilisation and version controlling

New outlook vbo functions