

Robotics Process Automation - Blueprism

Course Duration: 40 Hr.

Introduction to RPA and Industry Use Cases

- Challenges with existing automation
- Rise of Robotic Process Automation
- What, Why and When RPA
- Industry use cases (BFSI, Shared Services, Healthcare etc..)

Introduction to Blue Prism

- Intro to Blue Prism
- Setting up and getting started with Blue Prism
- Pre-requisites
- Blue Prism Architecture, deployment model and components
- Blue Prism operating model
- Application Types –Windows, Main Frame, Java and Browser Based Applications
- Running a process
- Dashboard and analytics

Process Flow

- Process Studio overview
- Data items (Number, string, Collection)
- Decisions, Calculations and Choice
- Collections, Circular paths and Loops
- Layers of controlling
- Pages for Organization
- Assignment

Business Objects and Process Layers

- Object studio and Process studio,
- Differences action Stages
- Application Modeler – Accessibility Mode, Win32 mode, HTML & SAP Mode
- Spying Elements
- Attributes
- BO stages
- Attach and Detach
- Action inputs and outputs
- Data items as Inputs

- Assignment

VBO

- Introduction to VBO
- File Management
- Collection
- Utility
- XML
- Database
- Assignment

Inputs and Outputs

- Inputs, Output and Startup Parameters
- Data item Visibility
- Data types
- Control Room
- Process Outputs
- Assignment

Excel Automation

- Read Date
- Write Data
- Merge to Excel
- Net excel file create
- Data matching
- Assignment

Email Automation

- Receive Email
- Send Email
- Download Attachment
- Assignment

Error Management – Exceptional Handling

- Recover and Resume
- Throwing Exceptions
- Preserving the Current Exceptions
- Exception Bubbling & Exception Blocks
- Exceptional Handling in Practice
- Assignment

Debugging

- Debug process & VBO
- Step in, over and out
- Debug complex process
- Assignment

Case Management – Work Queues

- Queue Items
- Work Queue Configuration
- Defer
- Attempts
- Pause and Resume
- Filters
- Reports
- Assignment

Release Manager and Logging

- Safe Stop
- Collection Actions
- Choice Stage
- Log Viewer
- System Manager
- Process / Business Object grouping
- Process and Object references
- Export and Import
- Packages and Releases
- Assignment

Surface Automation

- Introduction to Surface Automation
- Training Application and Object Model
- Interacting with Application Elements (Text boxes, Combo boxes, buttons etc.)
- Tabulated Data
- Sending Key events and Special keys
- Assignment

VB.Net / C# Introduction

- Overview to VB.Net/C#
- Visual Studio overview
- Write small codes using VB.Net

- Assignment

Code Stage

- Building own business object
- Creating one VBO and consuming in Object and Process Studio
- Assignment

Blue Prism Login Agent

- Overview and setup
- Login agent in Production
- Setting up Blue Prism run time resource
- Assignment

System Admin Function

- Use of Environment Variables
- Publish process
- Run process from Control Room
- Package and release management
- Scheduling of processes
- Security management (User and role)
- Assignment

Database Automation

- Database configuration
- Query execution
- Record insertion
- Store procedure execution
- Input / output
- Assignment

Web Service Automation

- Web Service configuration
- SOAP consumption
- REST service consumption
- Assignment

OCR Integration

- Introduction to OCR
- Image automation using OCR
- Invoice automation using OCR

- Assignment

IBM Watson Intelligent Services

- Introduction to Cognitive RPA
- Introduction to IBM Watson
- Setting up Blue Prism intelligent services environment
- Natural Language Processing
- Natural Language Understanding
- Text, Sentimental, Emotion, Classification, Context Analysis
- Language classification, identification and translation
- Computer vision
- Assignment

RPA Project Activities and artifacts

- Process selection Framework – Discovery Phase
- Process effort Estimation
- RPA Project Estimation
- RPA Tool selection
- BOT size calculation and ROI calculation
- Walkthrough of PDD and SDD Documents