RPA - Robotic Process Automation

Duration: 5 Days

Description

RPA (Robotic Process Automation) is a process also known as automation technology. RPA performs repetitive tasks and business processes without human intervention using software robots or bots. This technology is used to automate repetitive, time-consuming and low-value tasks so human workers can focus on more strategic and creative tasks. The main purpose of RPA is to streamline business processes and reduce errors. Tasks that humans do manually can be performed programmatically by RPA bots. These bots can work through user interfaces, process data, integrate with other systems and follow the workflow.

Outline

RPA Introduction?

- What is RPA?
- What are the sectors in which RPA is used?
- RPA Security Protocols?
- What are the effects of RPA on today's world with international reporting?
- Modern – Information about Clasic RPA.
- Install RPA Studio?
- How and with which criteria should RPA processes be selected?
- What are the types of RPA Robots and their differences?

Platform Review

- Platform Interface review (Activity-Dependency-Project-Snippets..)
- Using Ready-Made Templates and understanding their logic (Process,Library,Test Automation,Template,Framework)
- Platform Settings (Settings-Help)
- Entities – Data Service Usage
- Test Manager Connection

Data Types and Their Definition on the System (String-List-Array-Dictionary-Arguments)

FlowChart-Sequence Working Mechanism

Working Mechanism in Flow Decision Environment

- FlowChart- Sequence – FlowDecision Sample Project development.
- Sample Applications Using Robot PDF & Excel
- Word – Google Translate Integrated Project Development.

Information about the State Machine.

Recording & Data Scraping Use and Project Development

Database transactions

- RPA-Database Connection
- Data Exploration
- Data slime and add process
- Project Development

RPA Management Panel- Orchestrator .

- Connection of the machine with which the robot will work
- Robot programming in the cloud
- Operating the robot

Web-based sample project implementation.

RPA-Google NLP Talking Robot Computer Project Development.

- Activating the RPA Project.
- Debug-Error Handling

Data Capturing

Sample Robot Projects

- Web application Robot
- Data Capturing Robot running on local and web application
- Robot Performing Dynamic Operations on Variable Objects
- Web Scraping Robot
- PDF Data Scraping Robot
- Invoice Reading
- OCR Robot
- E-Mail Automation Robot

Regular Expression(Regex)

- Invoice Reading and Writing Process
- Process management and Reporting.
- Data Review.

Cloud Automation

- Cloud Services
- Actions Cloud
- Apps-Test Manager-Integration Service
- Data Service
- Document Understanding

The role of HyperAutomation and RPA.

Prerequisites

There are no prerequisites for this course.