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Robotic Process Automation

Robotic Process Automation (RPA) is the application of technology (software robot) to interpret existing applications for processing transactions, triggering responses, and interacting with other digital systems.

The Power of Automation

RPA virtually integrates multiple systems while executing repetitive work more accurately and reliably than humans can. This allows skilled resources to concentrate on more strategic tasks rather than on repetitive mundane work. RPA offers a number of compelling benefits to the workplace, including:

1)Cost-Savings:

RPA can reduce operational costs by 40-65%

2)Accuracy and Compliance:

Robots have the unlimited attention span and do not make mistakes in calculations. Every step, every expensive and error-prone manual process performed is digitized using RPA—reducing errors and improving quality and compliance.

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3)Productivity:

The digital workforce or robots are capable of working 24X7—delivering work in a shorter span of time.

4)Scalability:

RPA can scale in response to business growth, making it easier to cope with volume fluctuations coupled with speed, agility, and resilience.

5)Transformation :

RPA software is a powerful tool that can be easily managed, controlled, and monitored. It identifies bottlenecks and streamlines processes—transforming the way we do business.

Why must you learn RPA?

- The scope for RPA is endless and the future looks bright for this technology.
- With RPAs soon covering banks and other industries, it could open up lots of lucrative opportunities for IT professionals.

- Leverages knowledge in dissecting the myths from the facts and realize the true benefits of RPA
- Drive the strategic and tactical roll out of the RPA solution
- Managing of RPA solutions to ensure lasting results
- Advantages such as better management of repeatable tasks, reduced error rates and standardization of workflow make it a good technology choice as companies are increasingly adopting RPA in the near future.

What are the Pre-requisites of this course?

There are no particular pre requisites like programming knowledge etc to take up this course. The audience who are subject matter expertise will be added an advantage to kick-start career in this field.

Course Duration

- 2 Months(Week Ends-Sat/Sunday)

Course Syllabus:

Robotic Process Automation Concepts

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- What is Robotic Process Automation
- Natural language processing and RPA
- How Robotic Process Automation works!
- Why automate repetitive tasks/process
- RPA Solution Architecture Patterns – Key Considerations
- Input Data Handling Solution Pattern
- Exception Handling
- Transaction Logging
- Credential Management
- Secure Execution
- Monitoring and Reporting
- List of Robotic Process Automation Tools
- Robotic Process Automation Tool selection Checklist

UI PATH TOOL:

- Flowchart
- Sequence
- Modular
- Variables
- Data Manipulation
- Recording
- Documentation
- Tool Activities
- Advanced UI Interaction
- About UI Elements
- UI Activities Properties
- Input Methods
- Example of Using Input Methods
- Output or Screen Scraping Methods
- Examples of Using Output or Screen Scraping Methods
- About Web Scraping
- Example of Using Web Scraping
- About Data Scraping
- Example of Using Data Scraping
- Selectors
- Image and Text Automation
- Mouse and Keyboard Activities
- Text Activities
- OCR Activities
- Image Activities
- Mouse and Keyboard Automation
- Text Automation
- OCR and Image Automation

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BLUE PRISM:

- Introduction
- Process Studio
- Process Flow
- Inputs and Outputs
- Business Objects

- Object Studio
- Overview of Error and Case Management
- Error Management
- Case Management
- Additional Features
- Advanced Features
- Application Types

AUTOMATION ANYWHERE:

- Introduction to Automation Anywhere
- Understanding the Features and Benefits
- Verifying Automation Anywhere System Requirements
- Creating a Task Using the Task Editor
- Anywhere Monitor
- Preparing and Installing the Automation Anywhere Client
- Privacy and Security
- Getting Started with the Automation Anywhere Client
- Types of Variables
- Recording an Automation Task
- Recording, Editing and Running Tasks
- Adding Properties to a Task
- Using Special Keys
- Creating an Automation Task
- Recording Web Actions with Web Recorder
- Extracting Data from Websites
- Extracting Regular Web Data
- Extracting Pattern-Based Data
- Extracting Table Data
- Standard Recorder
- Object Recorder
- Task List&Setting Task Properties
- Viewing and Setting General Properties
- Setting up Hotkeys for a Task
- Setting Security Features for a Task
- Scheduling Tasks to Run
- Adding Triggers to a Task

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- Deploying Tasks to Run Remotely
- Debugging Tasks
- Using Filters in the Task Editor
- Different Commands

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