ROBOTICS PROCESS AUTOMATION BLUE PRISM

COURSE CURRICULUM

Robotics Process Automation
- Robotics Process Automation Concepts
- What to be Automated
- Why to automate task/process
- Architecture
- Monitoring / Reporting / Auditing
- Tools under RPA
- Blue Prism
- UIPath
- AA
- Work Fusion
- Life cycle
- Various Tools and their Limitation
- Areas- where to go for normal automation and where to use RPA

Blue Prism

Introduction to RPA:
- What, How & Why's of RPA
- Pre-requisites of RPA
- RPA Benefits
- Attended and Unattended RPA
- Robotics Life Cycle

RPA Tool
- Blue Prism Components
- High-level differences between Blue Prism and Other Tools
- Architecture & Installation of Blue Prism

Blue Prism Introduction
- Tabbed Menu and Navigate Menu
- Controlling Play
  - Step-in
  - Step-over
  - Step-out
- Data Items Visibility & Exposure
  - Global Data Item
  - Local Data Item
  - Environmental Variables
  - Session Variables
  - Statistic Variables
- Startup Parameters
- Loops and Collections
- Hardcoded & Dynamic Variables

- Collections Inside A Collection
- Input and Outputs
- Exception Handling
  - Internal Exception
  - System Exception
  - Business Exception
- Recovery and Resume
- Recovery Mode
- Exception Bubbling
- Arbitrary and Throttle waits
- Attach and Detach
- Visual Bo And Utility Bo Usage
- Configuring Process Alerts
- Code Stage
- Regular Expressions
- Notepad-Data Entry
- Break-Point
- Pre-conditions And Post-Conditions
- MS-Excel
  - Pivot Tables
  - Macros
  - Excel Automation using VBO, VBA, OLEDB
- Internal Business Objects

Advance concepts
- Dynamic attributes and parameters
- Credential management
- Spying
  - WIN32/AA/HTML/RM
  - Attributes
- Environmental locking
  - Acquire Lock
  - Query Lock
  - Release Lock
- Work Queues
- Email (Mailbox Automation)
  - SMTP-POP3
  - IMAP
- Excel Automation using VBO
- Database automation
- Scheduling and Session Management
- Optical Character Recognition
- PDF reading
  - Scanned images
  - Convert PDF to Word
  - Converting PDF to Excel
- Typecasting
- X-path
- Login agent
- MS Access with database
- Run Modes:

LIFE CYCLE CONCEPTS
- FTE Calculations
- Estimate Effort Calculations
- Feasible & Technical Assessment Analysis
- Source Code Management & Version Control
- Release Management

Documentation
- Standard Operating Procedure (SOP) / Business (Functional Requirement Document (BRD)
- Process Definition Document (PDD)
- Solution Design Document (SDD)
- Current & Future State Process Flows
- BOT Management Document
- Implementation Document
- Change Request Creation

Exclusive in Visual Path:
- Resource pooling and management
- Excel as database
- Font creation
- Web services
- Mainframe and sap automation(Grid / SAP mode)
- OLEDB
- Citrix Based Application
- Mainframe Application
- PDF to Excel conversion using Power shell
- Code Stage
- Html, DOM-path
- Javascript

Case Study:
- Case Study 1 (Real Estate)
- Case Study 2 (Telecom)
- Case Study 3 (HR Domain)

PoCs:
- Proof of Concepts (2 project)

Live Project Overview:
- At least 1 Project

Partners : ORACLE WORKFORCE DEVELOPMENT PROGRAM | redhat. CERTIFIED TRAINING PARTNER | UBI Unica Business and Innovation Centre | edexcel | **Java**

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E-mail: info@ducatindia.com
Visit us: www.ducatindia.com
www.facebook.com/ducateducation

NOIDA
A-43 & A-52, Sector-16,
Noida - 201301, (U.P.) INDIA
📞 70-70-90-50-90
📱/☎ +91 99-9999-3213

GURGAON
1808/2, 2nd floor old DLF,
Near Honda Showroom,
Sec.-14, Gurgaon (Haryana)
📞 70-70-90-50-90

GHAZIABAD
1, Anand Industrial Estate,
Near ITS College, Mohan Nagar,
Ghaziabad (U.P.)
📞 70-70-90-50-90

PITAMPURA (DELHI)
Plot No. 366, 2nd Floor,
Kohat Enclave, Pitampura,
(Near- Kohat Metro Station)
Above Allahabad Bank,
New Delhi- 110034.
📞 70-70-90-50-90

SOUTH EXTENSION (DELHI)
D-27,South Extension-1
New Delhi-110049
📞 70-70-90-50-90
📱 +91 98-1161-2707