

ROBOTICS PROCESS AUTOMATION

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



ALTALUNE TECHNOLOGY

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



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