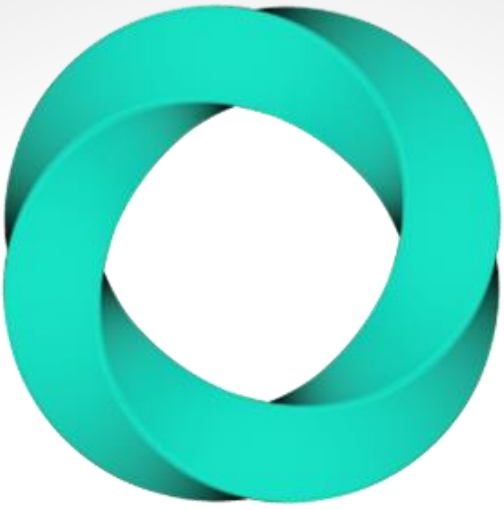
WHITEPAPER



OBIZCOIN

(OBZ)

SMART PROCESS BOT

Backed by AI and Blockchain technology

Technical Paper

Version: 1.0

ABBREVIATIONS AND DENOTATIONS

OBZ - Obizcoin Token

MCPL - Mind-A-Mend Consultancy Private Limited

YRC - Your Retail Coach (consulting brand of MCPL for B2C sector)

B-A-S - BoT-as-Service

AI - Artificial Intelligence

ETH - Ethereum

MG - Minimum Guarantee

Month - 30 days

Year - 360 days

PSR - Profit Sharing Ratio

Profit Sharing - Profit distribution as per the agreed terms

BOT - Typically, bots perform tasks that are both simple and structurally repetitive, at a much higher rate than would be possible for a human alone

SOP's - Standard Operating Procedures

SME's - Small & Medium Enterprises

IP - Intellectual Property

IOT - Internet of Things

BPV - Business Process Validation

CSF – Critical Success Factor

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PROJECT OVERVIEW

The creation and analysis of intelligent agents (software and machines) is called Artificial Intelligence, or AI.

It can be implemented in nearly every sphere.

Intelligent machines can do multiple tasks – from labour work to sophisticated operations.

Prominent trends in this field are human brain simulation, natural-language processing, neural networking etc.

Today's AI systems "pretend to act like" intelligent entities instead of being one. For example, today's rule-based systems just follow a large set of if-else based logic (the database) while actually intelligent entities don't always do so, but apply reasoning in every stage.

Till date in existing solutions based on Robotic Process Automation, rewards have not been considered as a vital part of the system.

"Smart Process BOT" shall manage the rewards based on ethereum blockchain technology.

CLIENT ACTIVATION

The Bot will have to be configured in order to give the right output and service to the user.
The user will have to fill details in the activation form, helping the Bot know about users business. i.e.

1

BUSINESS TYPE/ VERTICAL:

The Bot will be able to give solutions to following business verticals:

- Hospital | Clinics | Pharmacy
- Apparel | Clothing
- Consumer Packaged Goods | FMCG
- Furniture | Furnishings
- Schools | Colleges | Coaching
- Hotels | Fine Dine | Bars
- Restaurants | QSR
- Jewellery | Luxury Goods
- Electronics | Home Applicance
- Automobile | Accessories
- Gym | Fitness Club
- Salon | Spa
- Films | Entertainment | Media
- E-Commerce | Online Business

Our Parent company, Your Retail Coach is already catering to the above mentioned verticals. Refer http://www.yourretailcoach.in/industries/ for more details.
We would keep adding more Business Verticals on continuous basis.
Our Research & development Team, Business Advisors on-board, Core Team and Vertical Experts shall continuously keep adding knowledge to the BoT, to make it more intelligent everyday.

CLIENT ACTIVATION

2 BUSINESS SIZE CLASSIFICATION

User shall input details regarding current operations been carried out, so that the Bot is able to classify the user into any one of the following categories:

- Small Scale Enterprise
- Medium Scale Enterprise
- Large Scale Enterprise

3 COUNTRY OF ORIGIN

User will define the country of origin, so that the BoT can provide solutions considering the economic dynamics & uses cases of businesses of selected territory, wherever required.

4 API

Users shall connect their existing ERP's and other softwares being used in their day-today operations, to ensure seamless Business Process Automation across the organisation.

5 ORGANIZATION STRUCTURE

User will enter details of the the hierarchy levels & departments across the organisation

KEY FEATURES OF BOT

Process Design Studio

- Query
- Suggestion
- Process Finalization
- Smart Contracts
- API's command
- Implementation

Process & Task Activation

- Assign Team
- Select Departments
- Select Project
- Select Branch

Process Commentary

- Validate
- Review

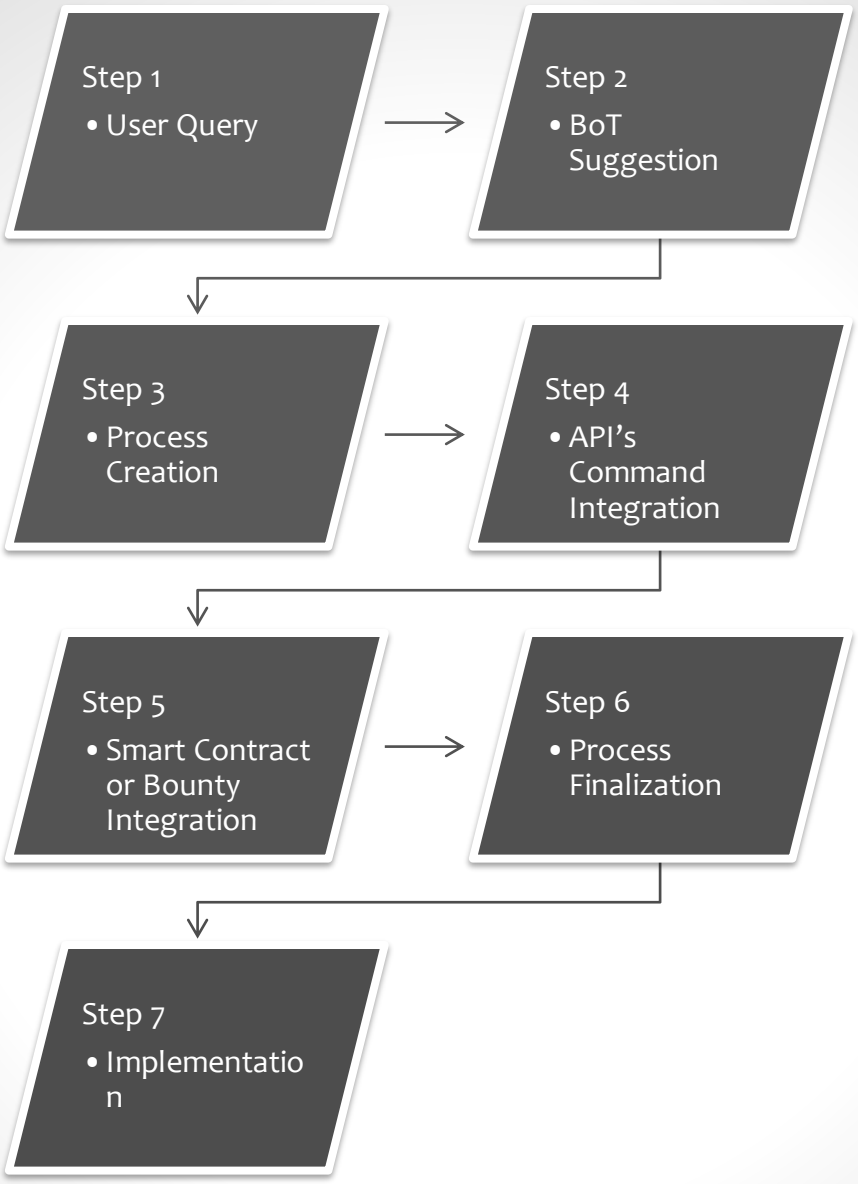
Process Guerdon

- Process Analytics
- Process Improvisation

PROCESS DESIGN STUDIO

In Process design studio, users will be able to create a new process and align each procedure to respective user.

Following are the steps involved in designing of process



PROCESS DESIGN STUDIO

- User Query: User will input details regarding the process it wants to create and define its objective for defining the process. The conversation may be through text or voice.
- BoT Suggestions: Smart Process BoT, shall suggest the best process, from its knowledge database, to meet the objective of the user
- Process Creation: User shall select the suggested process by BoT and amend few things, as best fit to the requirement or may completely create a new process. Users will also allign their teams to every procedure within the process in this section.
- API's command configuration: BoT shall test the API's and suggested for errors, if any, wherein the API's will have to be configured.
- Smart Contract & Bounty Integration: User will define the rewards and parameters of rewards to be allotted to users. Rewards can be in form of crypto currency, fiat currency, reward points, etc.
- Process Finalization: After defining the above parameters, BoT shall test the process and suggest errors and modifications, if required, after which the process shall be finalised and ready for implementation.
- Process Implementation: User will define the timelines and frequency to implement the process i.e. One-Time Process, Recurring Process, Push Start Process, etc. The process shall be immediately implemented within the organisation, as per the parameters defined.

PROCESS & TASK ACTIVATION

User will be able to activate or run the processes which they have created in the "Process Design Studio"

User can also define One-Time or Recurring Task in this section, if they do not require a process to be activated. Task are giving command, wherein multiple procedures or steps are not involved and is independent in nature.

Users will be able to minutely define the parameters of these process and task i.e.

- **Assign Team Members**

Define Team involved as per name, designation , authority levels, top/low performers or third party vendor

- **Define Frequency**

One-Time or Recurring i.e. Date Specific, Daily, Monthly, Quarterly, etc

- **Select Department**

Departments involved Eg: HR, Accounts, etc

- **Select Projects**

Select a specific on-going project or a new project

- **Select Branches**

In case the organisation has multiple offices or branches, they make it specific to a particular location

PROCESS COMMENTARY

In this section of BoT, users will be able to track the current status of all the implemented processes within their organisations.

TWO MAJOR FEATURES ARE AS FOLLOWS:

PROCESS VALIDATION:

Users will be able to track for any deviations occurred after implementation of the process. Deviations can be as follows:

- API connection lost
- Procedure delayed beyond estimated time

PROCESS REVIEW:

Users will be able to track the overall completion status status of the process and estimated time required upto completion of the process, performance of team members who have completed the procedures on-time or have deviated the process in anyway.

PROCESS GUERDON

In this section of BoT, users will be able to analyse and improvise their existing business operations across the organisation.

TWO MAJOR FEATURES ARE AS FOLLOWS:

PROCESS VALIDATION:

- Process analytics shall act like health check report of their business Operation
- These report are not just simple view-only type reports, but the user will be able to navigate from a high level view to a detailed view within seconds.
- This feature will help the user to reach the actual pain areas existing across their organisation and work only on them to improvise

PROCESS IMPROVISATION

Bot shall analyse the best-fit-solution for every process and give suggestion for process improvisation

BOT POTENTIAL
AS PER INDUSTRY & FUNCTION

A powerful BOT literally builds automation by mapping processes and a rich library of template activities will get the clients moving at an exceptional speed and ease. BOT is capable of developing processes across the company. BOT Data Bank shall be updated time and again with the industry insights to improvise processes at the client's end.

Potential to Automate Smart Process

High	Medium	Low

Function	Human Resource	Procurement & Logistics	Customer Care	Finance & Accounts	Admin & MIS	Legal	Industry Specific Processes
Industry	•Talent Acquisition •On-Boarding •Probation, Promotion •Employee Exit	•Requisition to Purchase Order •Goods Inward to Goods Outward	•Customer Service •Customer Grievance Management	•Invoice Processing to Payments	•Appointments & Task Management •Reporting	•Smart Contracts •Employee & Vendor Agreements	
Retail (Apparel | CPG | Furniture, Electronics)							•Ecommerce & Brick-n-mortar Customer Management
Healthcare (Hospitals | Clinics)							•Patient Management
F&B (Restaurants | Hotel)							•Food Inventory & Wastage Management
Education (Schools | Colleges)							•Time-Table Management •Students & Teacher Management
Manufacturing							•Bill of Material (BOM) Management
Warehouse & Logistics							•Goods Tracking & Stock Management
Information Technology							•Project & Task Management
Online | E-Commerce							•Order Processing & Logistics Management

OBIZCOIN ECOSYSTEM

FRONT END

BACK END

Users
- Start-ups
- SME's
- Investors
- Business Consultants

Channel Partners
- Business Consultants
- Complementary Service Platforms

BOT Services
- Business Process Management
- Operations Risk Score Analysis

Query Input

Execution

Domain Knowledge Mapping → Develop Process → **Process Implementation**

Output

Team Performance Analysis | Process Review | Team Rewards

Operational Risk Scorecard

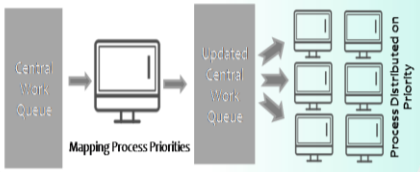
BOT FRAMEWORK

Robotic Process Automation

Process Design Studio

Automation Anywhere

Microsoft Visio



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Microsoft Azure

Natural Language Processing
Translation
Knowledge API
Data Mining
Cognitive Computing
Analyse Unstructured Data
Document Workflow
Pattern Recognition
Speech Tagging
Chatbots
LOUIS.ai
Cortana
Machine Learning Studio
DSC Configuration
Run Books
Automation Solution

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COCO Framework

Smart Contract validation

COCO Interface

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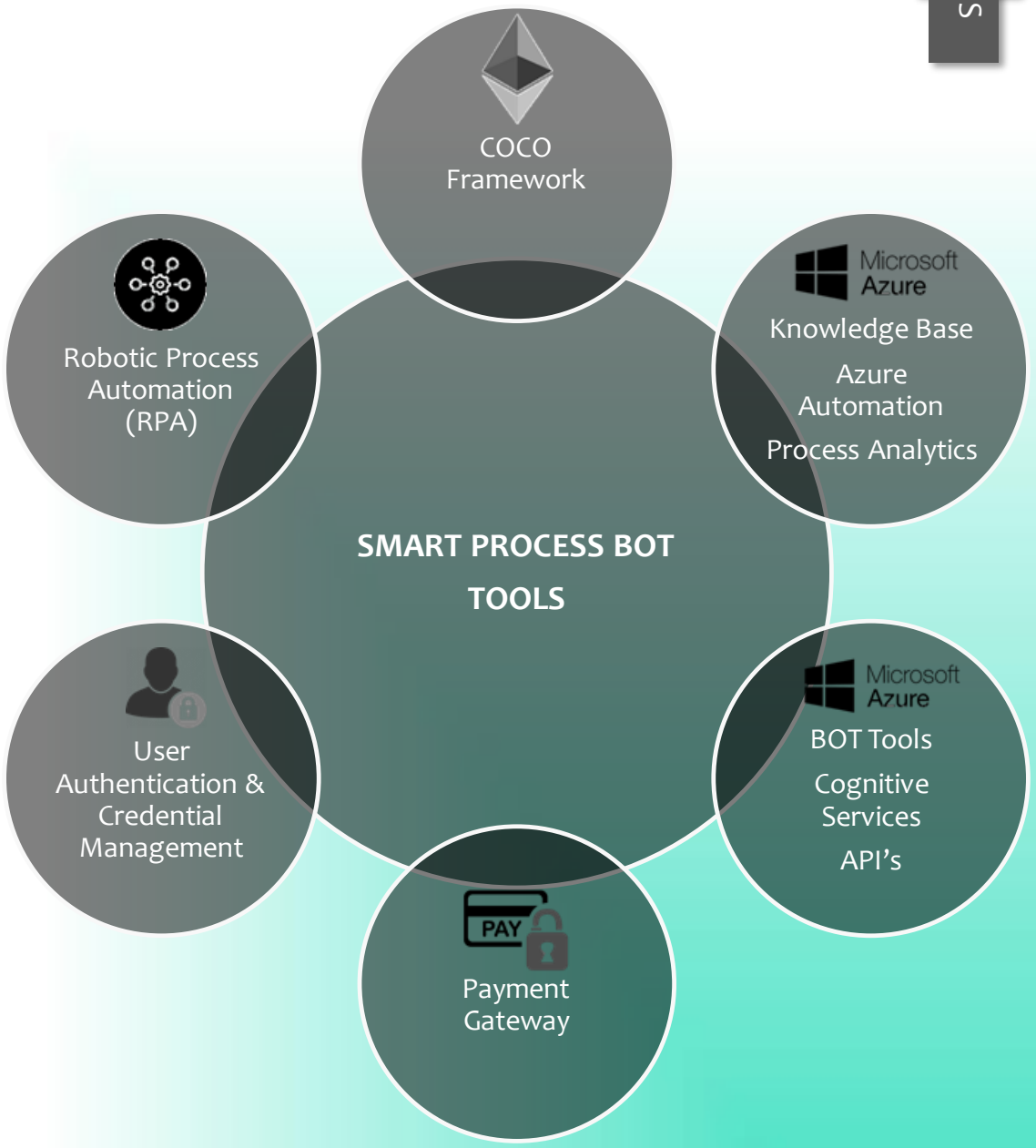
SMART PROCESS BOT TOOLS



SMART PROCESS BOT FRAMEWORK

Knowledge Base

- Data Factory
- Data Catalog
- Data Lake Store

Azure Automation

- DSC Configuration
- Run Books
- Automation Solution

Microsoft Azure

SMART **PROCESS** BOT FRAMEWORK

Process Analytics

- Power BI
- Azure Analytics
- Data Lake Analytics
- HDInsight
- Stream Analytics

BOT Tools

- Chatbots
- LOUIS.ai
- Cortana
- Machine Learning Studio

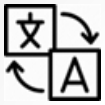
Microsoft Azure

SMART PROCESS BOT FRAMEWORK

Cognitive Services

Natural Language Processing

Analyse Unstructured Data



Translation

Document Workflow

Knowledge API

Data Mining

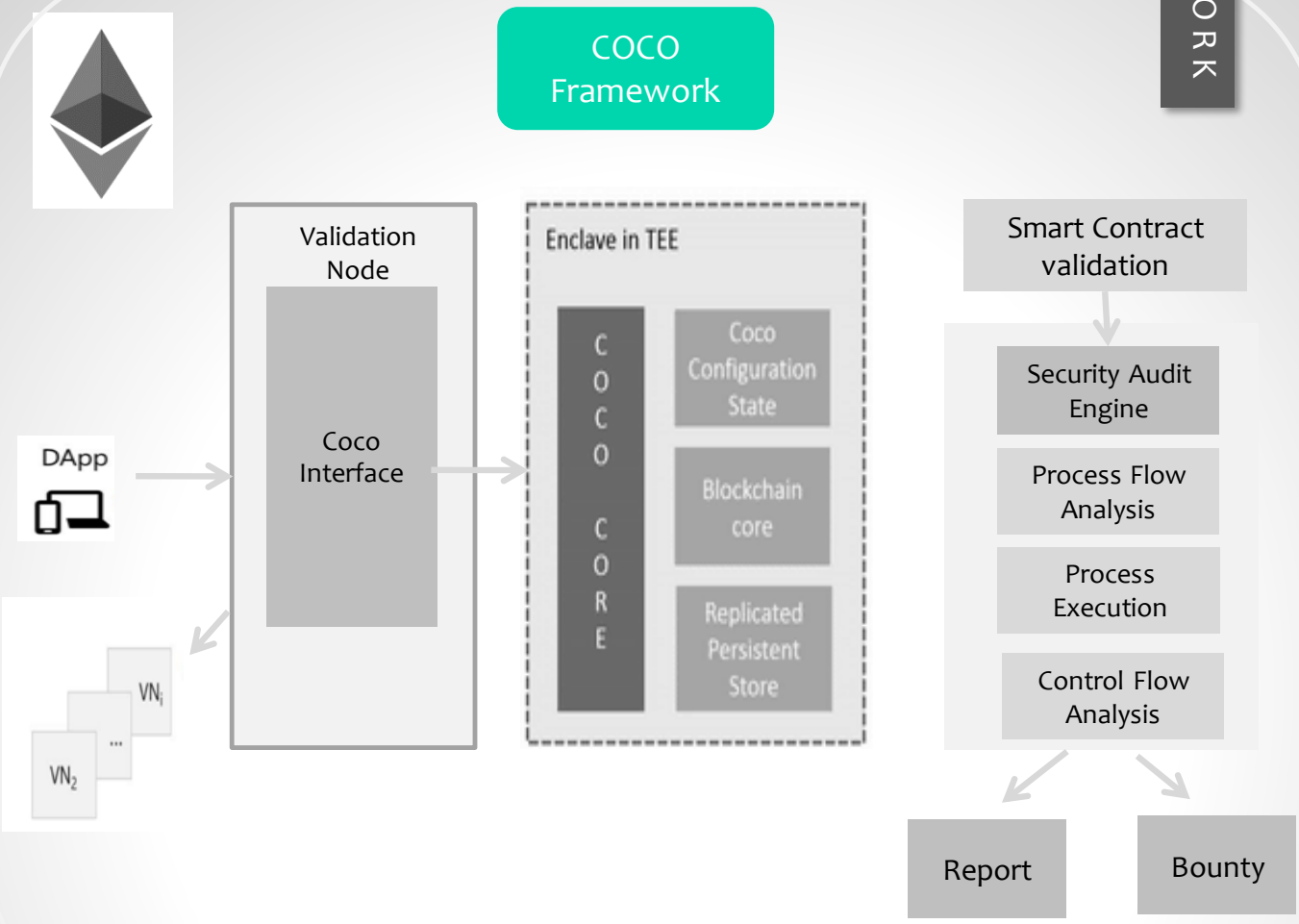
Pattern Recognition

Cognitive Computing

Speech Tagging

Content Analytics

SMART PROCESS BOT FRAMEWORK



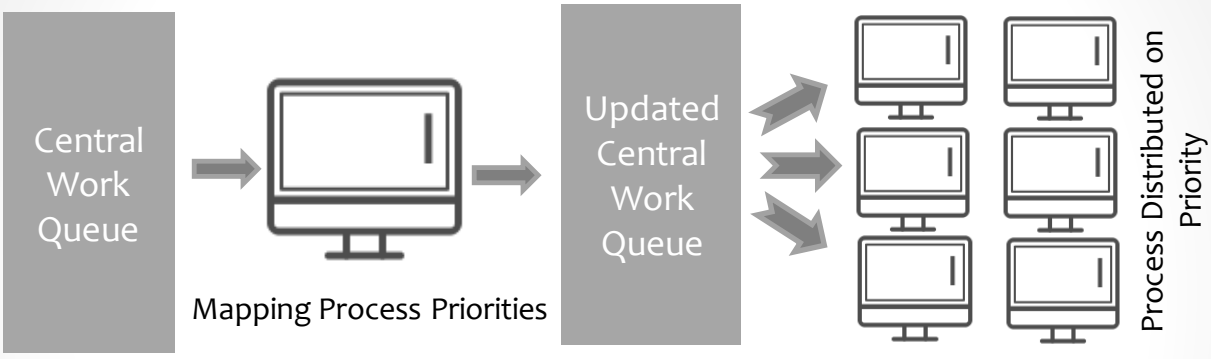
SMART PROCESS BOT FRAMEWORK

Robotic Process Automation (RPA)

Process Design Studio

Automation Anywhere

Microsoft Visio



SMART PROCESS BOT FRAMEWORK

User Credentials

Notifications

Custom API

User Authentication

Payment Gateway

Obizcoin

Crypto Currency

Fiat Digital Currency