BORG
THE X GEN HUMANOID

i BORG
THE X-GEN HUMANOID

YOUR PARTNER IN

INNOVATION

DIGITIZATION

AUTOMATION

ABOUT COMPANY

Pathbreaking product - 'iBORG', that helps businesses to automate their processes be it automating the test scripts for QA or booking the flight tickets for the customers. iBORG's AI and ML features make it a one-stop automation tool for all processes by seamlessly integrating with various software.
iBORG is a hybrid of RPA, RTA and RMA.

iBorg is a hybrid of process automation, test automation and mobile automation. It is environment agnostic and can handle even automation of complex activities with ease. iBorg can perform automation activities on windows applications, web browser applications and mobile applications. It uses the capabilities AI and ML for performing intelligent automation

iBorg will be deployed in client's environment. Hence, the complete control of the application would be with the client. iBorg does not store any data on iBorg Inc. server/cloud and the data is stored on customer's premises.

Our Vision: Innovate | Disrupt | Redefine

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INTRODUCTION

Every industry is moving towards automation and it is the need of the hour for every company to remain relevantin their respective industry. The following white paper focuses on why automation through Robotic Process Automation, Robotic Testing Automation & Robotic Mobile Automation is important in companies in future.

The world is heading toward digitalization, and one of the most significant parts of digitalization is automation, which reduces the amount of effort required to do repetitive operations. IBorg assists the business in automating its operations, hence increasing the overall operational efficiency of the business. This article will help us comprehend what Iborg is offering to its clients and how it will assist diverse sectors in reaching their goals.

FUTURE TRENDS IN ROBOTIC AUTOMATION

As the world progresses towards digitalization, businesses are gravitating toward technologies that lessen the effort required for repetitive processes. Robotic Process Automation (RPA), Robotic Test Automation (RTA), and Robotic Mobile Automation (RMA) are technologies that potentially automate this entire process. These technologies are utilized extensively in numerous industries, including banking, IT/ITES, retail, insurance, etc.

RPA, RTA & RMA are growing at a rapid rate and due to the pandemic, it has been seen that many companies are investing in newer technologies like these in order to get edge over competitors.

Gartner predicts that by 2022, 90 percent of large enterprises will have some type of robotic process automation (RPA) in their product portfolios. In addition, it is anticipated that the RPA market will experience double-digit growth through 2024, and that large-scale enterprises will have tripled their Robotic Process Automation portfolios. RPA is the tool that organizations need to exist, and the technology helps the company save costs.

FUTURE TRENDS IN ROBOTIC AUTOMATION

As the use of mobile devices and the internet continues to grow, Robotic Mobile Automation will be a leading automated testing trend in 2022.

According to Market Research Future (MRFR), "the global mobile application testing services market is projected to reach $1,3585.73 million by 2026, expanding at a compound annual growth rate of 20.3%."

By automating mobile application testing, QA teams can enhance regression test cases, increase testing efficiency, shorten product delivery time, and increase customer happiness.
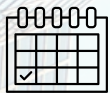
Raas (Robots as a Service) model will be the new kind of a business model that all businesses will consider while utilizing RPA. Raas has been more responsive to consumer requirements. Additionally, RPA is considered the new ERP. Organizations will attempt to market their business systems in accordance with client requirements.

iBORG - THE FUTURE OF AUTOMATION

iBORG is a platform-independent, all-encompassing application for automating your business processes and testing activities. It is a cost-effective, efficient, and dependable solution that increases production. Enter the realm of intuitively automating time-consuming, repetitive, and quality processes. Enabling your staff to be more and perform more meaningful work by relieving them of monotonous, automated activities. Its defining characteristics include:

SCHEDULING

iBORG allows the user to execute any of the tasks automatically based on their chosen time frame for "n" number of times at regular intervals. User can make selections for specific days and times whether it is daily, weekly, monthly or evenarbitrarily routine.

ENCRYPTION

iBORG helps to protect private information, sensitive data, and can enhance the security of client's application and servers. It can processthrough the users' credentials and encodes, to keep it hidden from inaccessible and unauthorized users.

AI AND ML AUTOMATION

iBORG has the capability to apply Artificial Intelligence and Machine Learning. In which, AI is data driven and ML involves thinking and learning process based on the data gathered. AI/ML has the ability to gather insights from semi-structured and unstructured data in text and scanned documents and PDF's.

iBORG- THE FUTURE OF AUTOMATION

OPTICAL CHARACTER RECOGNITION

OCR is a widespread technology to recognize & capture data from machine printed documents with high level of accuracy. OCR technology converts virtually any kind of images containing written text (typed,handwritten or printed)into machine-readable text data.

DATABASE AUTOMATION

In Database Automation, iBORG enables the user to access the databases and perform basic CRUD operations. Some of the databases in which iBorg is implemented are MongoDB, PostGre, and Oracle.

WEB SCRAPING

iBORG web scraping is one of the features that enables the users to collect and parse raw data from the web.

SOCIAL MEDIA AUTOMATION

iBORG can send automated messages, photos, videos and documents on WhatsApp and Telegram with various formats.

LOAD TESTING

iBORG Load testingallows the user to automate/test the performance and behavior of the application under a specific expected load.

SECURITY TESTING

iBORG facilitates testing of security vulnerabilities for web application to reveal if any flaws are there in mechanisms or information,which protects the data and maintains functionality.

iBORG–THE FUTURE OF AUTOMATION

WEB AUTOMATION
Web Automation permits the user to automate/test the web applications. It is an integrated recorderwhich can read and ratify web-based activities. It can also identify web elementsby their featuresand can accurately manipulate them by keeping up with the web changes. The best part of iBORG is, it works in almost all browsers and devices.

It can automate/test all of the Web Service APIs published by your application operate as expected. User can test Web ServiceAPI using all the expected data formats and input parameters. SOAP and REST web servicesimplemented in iBorg.

MOBILE AUTOMATION
iBORG enables the user to automate/test the mobile applications. They are more advanced and productive through the use of RPA. Test case automates input fromspreadsheets, databases, and web servicesand calls externalsources through APIsand HTTP requests and use the results live.

DESKTOP APPLICATION AUTOMATION
iBORG automates the routine and unattended back-office operations that require human intervention. It examines the functionality, security, usability, and stability of the app.

E-MAIL AUTOMATION
iBORG features an intuitive drag and drop interface that permits the user to quickly and easily automate email actions.

AUTOMATION OF REPORTING TOOLS
iBORG can create and share business reports at a real time interval without the need to update the information each time. It also generatesa report after every test run.

WHY iBORG ?

iBORG delivers superior efficiency in the form of an automated business process that is easy, simple, and empowering to companies that are lean and focused on their business operations.

- Capable of combining RPA and RTA in a single operation and performing both of them.

- Enhanced Security with encryption of private & sensitive data, two-factor authentication, and role-based access.

- Greater Flexibility & Compatibility as it supports multiple browsers and devices.

- Superior efficiency powered through AI and ML, OCR technology.

- Improved customer experience as they can offer additional services with personal attention and provide customers with more intelligent and effective assistance.

- Reduced wastage of time by automating the repetitive processes. Upto 60-70% timesaving.

- Fast and simple integration -Plug & Play tool. iBORG is user Friendly for developers, testers & business users & helps in getting ROI quickly.

- iBORG is a hybrid of RPA, RTA & RMA. It has RPA like intelligence and can handle test automation workloads. It can be used in variousareas such as finance, accounting, customer service, human-resource, banking, operations, and so on.

- iBORG is flexible and versatile enough to achieve transformation in business dimensions across the globe.