Top Robotic Process Automation Trends and Forecasts for 2022

According to UiPath "The economic benefits expected from the use of robotic process automation (RPA) software by UiPath customers will grow at a blistering pace, from $7 billion worldwide in 2021 to $55 billion in 2025. Aggregated from 2021 to 2025, benefits total to $129 billion."

The primary goal of implementing RPA technology is to reduce the amount of time and effort required by humans to perform time-consuming and repetitive tasks. RPA allows software robots to perform routine operations that would otherwise be completed by intelligent humans, minimizing errors, saving money, and freeing up resources to focus on the most critical tasks that require human intervention.

The robotic process automation sector is booming, thanks to a mix of artificial intelligence (AI) and machine learning (ML) technology. RPA development services and solutions can handle time-consuming, repetitive, and rule-based operations. This means that when a business uses robotic process automation, it can better utilize their resources and increase their return on investment.

The following are the top RPA forecasts and trends for 2022–

Intelligent Automation (IA)

RPA and artificial intelligence are combined in Intelligent Automation (IA) to empower end-to-end processes and accelerate digital efforts. Businesses that combine RPA and AI broaden the scope of business process automation to practically any circumstance. Cognitive bots are essential members of your hybrid workforce because they constantly learn from data and make decisions. A Brazilian highway management business that built a shared services center based on intelligent automation and analytics. The corporation was able to achieve superior economies of scale by reducing labour by up to 50% and speeding up month-end closing.

Safety

When use cases go in production and RPA is used in internal and external operations, security must be a key priority. As a result of greater optimization through robotic process automation, businesses will have access to strong data sets that can be used to get vital insights. Please remember that this information must remain confidential. Whether it's to ensure confidentiality in fields like healthcare or to protect consumer data from hackers and identity thieves, the security architecture surrounding your operations must meet the highest industry criteria.

Acceptance of Change

Any company that has challenged automation up to this point has slipped behind, according to the most recent RPA trends. RPA is becoming increasingly important for getting the most out of your employees and streamlining procedures in a growing range of business domains. Few RPA implementations were a little hard to configure as compared to other. The number of trained and knowledgeable RPA providers is increasing. As more organizations implement industry best practices, this trend will continue. The kinds of problems that some people had with automation last year will effectively be a thing of the past.

The RPA CoE's Elevation

More firms will implement automation best practices and develop RPA centers of excellence as a result of the high cost of RPA maintenance and support (CoEs). RPA CoEs are becoming more common, which will assist to standardize and govern RPA, decreasing bot defects, maintenance, and lost business value when bots are removed from production.

Smart Processes are getting Automated

RPA automates structured data by following a set of rules. However, as technology progresses, the RPA system that prepares SPA bots will include a component or function of machine learning. Because of SPA, RPA bots may potentially benefit from the capabilities of other emerging technologies such as artificial intelligence (AI) and big data.

Systems Intelligence

By 2022, RPA will be more integrated with Artificial Intelligence (AI) and Machine Learning (ML) approaches. The distinction between bots and digital workers like software will grow more distinct. RPA bots will focus on tasks that are based on procedures and rules that have been logged. Meanwhile, artificial intelligence (AI) that mimics human behaviour will assist in the performance of increasingly challenging tasks. This will also help to connect automation islands, allowing for more seamless process automation and departmental integration. The increased creation of cognitive AI apps using RPA will also help to avoid bottlenecks. This can happen, though, if a UI change isn't immediately incorporated into the bot's goal-achieving rules.

RPA will Fuel Innovation

The competition will be wiped out by some of the early RPA users and organizations with powerful automation programs. Enterprises must, however, build a framework to design, execute, and govern a hybrid workforce in order to achieve this state. In fact, according to Forrester, 5% of Fortune 500 companies will use this level of automation to power extreme innovation.

RPA Integration

As RPA's capabilities grow, so does the need to integrate it with other technologies in order to maximize its potential. This means RPA will be more tightly integrated with other tools and technologies, with more complimentary use cases aligned. Integrating process mining, RPA, and AI disciplines like computer vision, for example.

SME to Adopt RPA at a Faster Rate

Small and medium businesses (SMEs) have understood the necessity of process automation for their firms to remain competitive and resilient in the aftermath of the epidemic. In a global poll of CEOs conducted by Deloitte, 73% of respondents stated their companies were on the road to intelligent automation. SMEs will continue to use RPA solutions at a faster rate in the future years to streamline their processes and become more efficient.

Semantic Automation

Semantic automation takes a different path than a rules-based method, in which robots learn by observing and imitating an action or task without precise instructions. Bots can understand procedures, collect data, and move the elements needed to complete a workflow using semantic automation. Developers and business users will just have to request that robots complete a task or routine. It's on track to transform RPA solutions, making engineers more productive and businesses more scalable.

What are your Thoughts on RPA Trends and Forecasting for 2022?

In the years 2020-2021, the worldwide RPA sector achieved significant progress. 2022 could be a game-changer for RPA, as it expands into new terrains and gains new capabilities. With RPA at its core, automation will continue to solidify its position as a must-have enterprise technology.

In recent years, RPA bots and sophisticated mechanization (AI) solutions have become increasingly important for businesses to survive and thrive. Organizations must adjust to the circumstances in these pandemic and post-pandemic times. RPA has the potential to propel your business to new heights by allowing you to give a more tailored and improved client experience.

If you would like to discuss or implement RPA, reach out to them at info@cignex.com.

The article is authored by **Oshi Bohra,** *Marketing Manager,* **CIGNEX**