# Improving productivity through RPA (Robotic Process Automation)

Robotic process automation (RPA) is a software technology that makes it easy to build, deploy, and manage software robots that emulate human actions interacting with digital systems and software. It improves productivity through robots executing repetitive actions and humans can work more innovatively in digital space.

Some of top RPA players:

- ❖ UiPath
- ❖ Automation Anywhere
- ❖ Blue Prism

Sample picture description for Improving Productivity
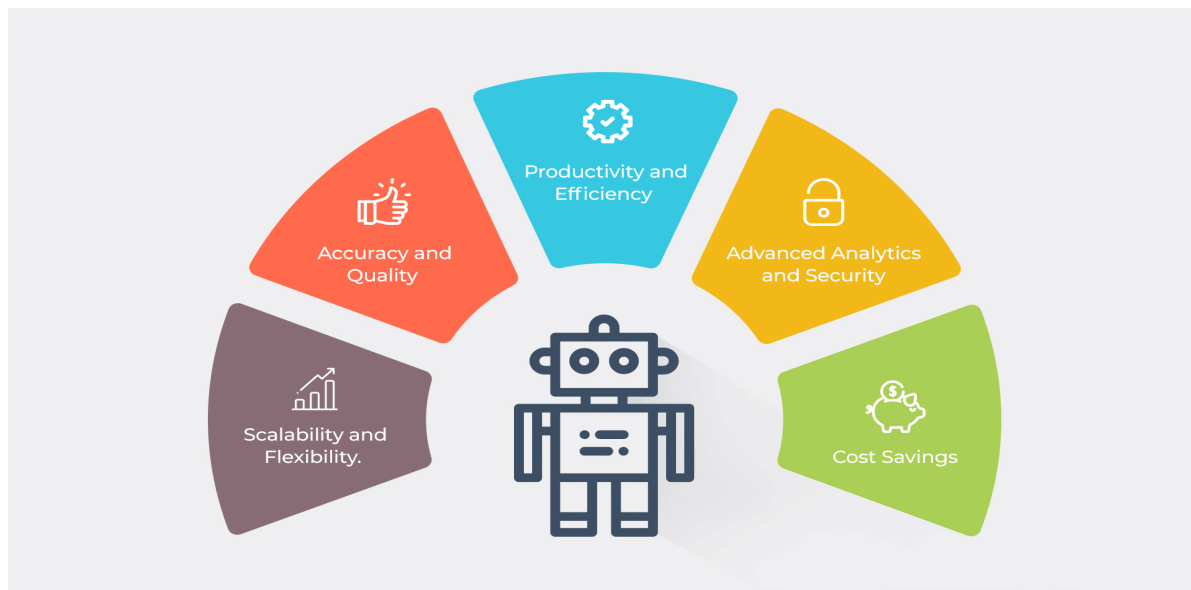
Productivity and Efficiency

RPA provides you with an unlimited resource pool that mimics human behavior and automates mundane, repetitive tasks that hamper your employees' productivity. This resource pool is not made up of humanoid robots, but software code that is delivered from the cloud to any location across the globe. It provides

Accuracy and Quality

On the theme of error prevention, robots make exemplary back office agents, performing their work in an error free manner and with 100% compliance and consistency against business

requirements within the documented business process. Outcomes are right first time, with no steps omitted and no checks neglected. Irrespective of the complexity or duration of the task, robots retain concentration and work precisely to the documented business process. The tireless nature of robots, and the fact that they do not tire of boredom, means that processes can be enhanced or redesigned to take advantage of this "temperament". Checks of a much more repetitive and granular level can be made to arbitrary degrees of precision. Reconciliation, checking and record matching can be executed beyond what a human can be reasonably expected to do.

Scalability and Flexibility

RPA can be applied across industries and used to perform a wide range of tasks. Human teams cannot reach the scale or scope of an army of automated bots. Automated robotic processes can be duplicated and reprogrammed again and again, producing a legion of active systems. In addition, artificial intelligence and machine learning are increasingly becoming part of RPA solutions. This provides additional scalability that cannot match human output.

Advanced Analytics and Security

To ensure the security for the RPA process, We need to make sure that logs are consistent and accurate logs. We need to review and validate RPA robot scripts regularly to ensure they still follow security guidelines and processes. RPA can be leveraged to develop and maintain well-structured and correctly classified data in enterprise systems and create data lakes to develop advanced machine learning models for applications

Improved regulatory compliance

RPA can be an important tool to build more robust and effective compliance programs. Applications of RPA in this context can provide improved oversight over operations and higher levels of compliance. Once a process has been automated through RPA, it is performed the same way each time without errors. This provides a high level of accuracy that helps maintain high levels of compliance. RPA also lends itself to increased auditability by creating an audit trail that maintains a near flawless recording of how processes were executed and whether there were any exceptions or interventions.

Cost Savings

Even with initial setup and ongoing maintenance costs, the use of RPA software can cut operational costs by as much as 25-50%. In addition, robots can operate round the clock which adds to output as well as the bottom line.