KIET Group of Institutions, Delhi-NCR, Ghaziabad
Department of Computer Applications
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PRESENTATION ON

ROBOTIC PROCESS AUTOMATION

SUBMITTED BY

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What is robotic process automation?

- Robotic process automation (RPA) is a software technology that makes it easy to build, deploy, and manage software robots that emulate humans actions interacting with digital systems and software. Just like people, software robots can do things like understand what's on a screen, complete the right keystrokes, navigate systems, identify and extract data, and perform a wide range of defined actions. But software robots can do it faster and more consistently than people, without the need to get up and stretch or take a coffee break.

Where can RPA be used?

- Today, RPA is driving new efficiencies and freeing people from repetitive tedium across a broad swath of industries and processes. Enterprises in industries ranging from financial services to healthcare to manufacturing to the public sector to retail and far beyond have implemented RPA in areas as diverse as finance, compliance, legal, customer service, operations, and IT. And that's just for starters.
- RPA has become so widespread because it is broadly applicable. Virtually any high-volume, business-rules-driven, repeatable process is a great candidate for automation—and increasingly so are cognitive processes that require higher-order AI skills.

Why is RPA the fastest-growing enterprise software in the world?

- When you combine RPA's quantifiable value with its ease of implementation relative to other enterprise technology, it's easy to see why RPA adoption has been accelerating worldwide.
- RPA can help many different types of industries address their specific operational issues in new and powerful ways.
- From a CFO's perspective, an investment in RPA technology delivers rapid ROI and requires minimal upfront spending compared to other enterprise technology

BENEFITS OF RPA

- Boost Productivity Across the Board
- Improve Efficiency to Generate Savings
- Improve Business Data Security
- Produce Data for Important Analytics
- Automate in Non-Disruptive Ways

Traditional Automation

- **Traditional Automation** is the automation of any repeated tasks. It combines application integration at a database or infrastructure level. It requires minimal human intervention.
- It requires certain customizations in the existing IT infrastructure.
- It does not include the ability to mimic human actions. It only executes the pre-defined programmatic instructions.

Applications of RPA

- **Accounting** Organizations use RPA for general accounting, operational accounting, transactional reporting and budgeting.
- **Healthcare** Medical organizations use RPA for handling patient records, claims, customer support, account management, billing, reporting and analytics.
- **Customer service** RPA helps companies provide better customer service by automating contact center tasks, including verifying e-signatures, uploading scanned documents and verifying information for automatic approvals or rejections

Top RPA vendors

- Automation Anywhere provides an enterprise digital workforce platform geared toward procure-to-pay, quote-to-cash, HR, claims processing and other back-office processes.
- Blue Prism focuses on assisting organizations in regulated industries automate processes by offering desktop-aligned robots that are defined and managed centrally.
- UiPath offers an open platform to help organizations efficiently automate business processes.

C-level decision-making around RPA

- Though automation software will replace many jobs, others will be created for the people who maintain and improve RPA software
- Robotic process automation technology also requires that the CTO or CIO take more of a leadership role and assume accountability for the business outcomes and the risks of deploying RPA tools.
- When software robots do replace people in the enterprise, C-level executives need to be responsible for ensuring that business outcomes are achieved and new governance policies are met.

What to look for in RPA software

- **Speed.** Enterprises should be able to design and test new robotic processes in a few hours or less, as well as optimize the bots to work quickly.
- **Simplicity.** Organizations should look for products that are simple enough that employees in the business can build and use them to handle various kinds of work, including collecting data and turning content into information that enables leaders to make the best business decisions.
- **Financial planning.** Tools for logging bot usage can help teams assess the ROI of existing bots and prioritize opportunities for new automation based on estimated value.

Thank you