MINDLER

Robotic Process Autom Your Digital: Workforce Unleashed

Transforming operations, one bot at a time.

GOVERNMENT POLYTECHNIC NANDED

DEPARTMENT: INFORMATION TECHNOLOGY

TOPIC NAME: ROBOTIC PROCESS AUTOMATION

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Class: Polytechnic IT II Year

GOVERNMENT POLYTECHNIC, NANDED

VISION

To become a national level institute imparting value based technical education catering to the needs of stakeholders with fully developed professionalism among the students.'

MISSION

M1 : **Create conducive environment for quality technical education M2 : Strive for excellence in all disciplines through effective teaching learning process.**
M3 : Strengthen industry institute interaction and placement.
M4 : Cater to the needs of society and community through various skill development programs.

Program Outcome (PO's)

- **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems
- **Problem analysis:** identify and analyse well-defined engineering problems using codified standard methods
- **Design/development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs
- **Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements
- **Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices
- **Project Management:** Use engineering management principles individually, as a team
  member or a leader to manage projects and effectively communicate about well-defined engineering activities
- **Life-long learning:** Ability to analyse individual needs and engage in updating in the context of technological changes

Program Educational Objectives (PEOs)

- Become competent Information Technology engineer to work as a programmer or an administrator in a team or as an individual .
- Pursue higher studies in relevant field of engineering with a desire for lifelong learning.

Become a successful professional with ethical and societal responsibilities

Program Specific Outcomes (PSOS)

- Modern Information Technology: Use latest technologies for operation and application of information.
- Information Technology Process: Maintain the information processes using modern information and communication technologies

Today's Agenda: Understanding the Power of Process Automation

1 2 **Unveiling RPA**

Defining what Robotic Process Automation truly is and its core components.

Impact G Benefits

Exploring the tangible advantages RPA brings to businesses.

3 **Real-World Success**

Highlighting diverse applications and industry success stories.

4 **Implementation G Future**

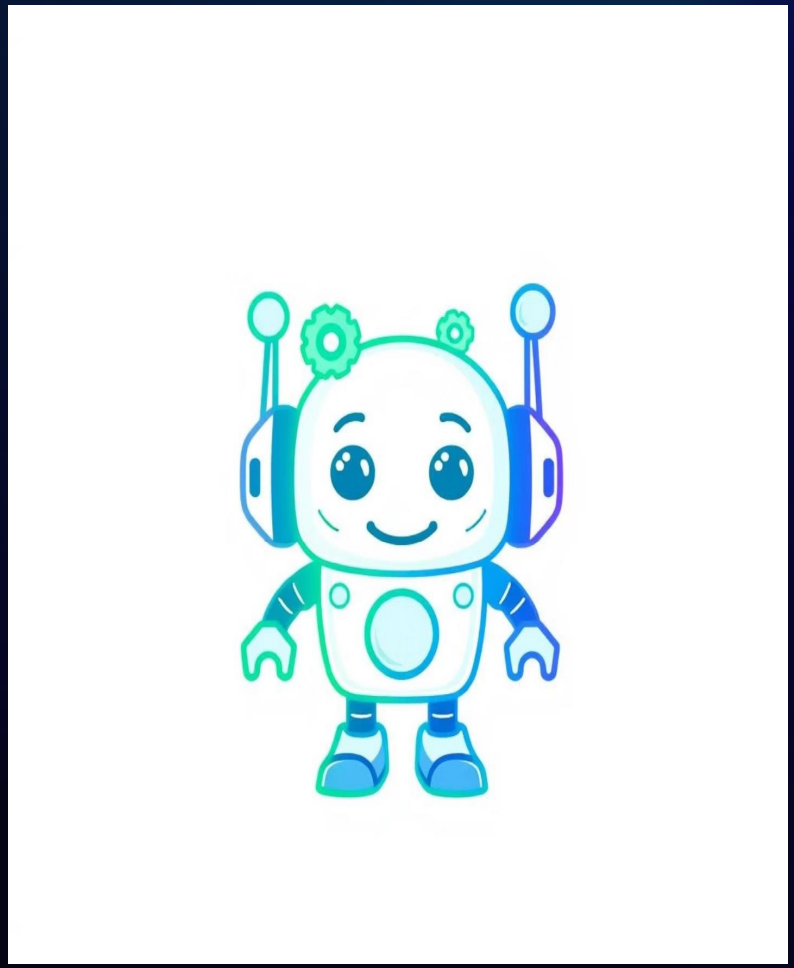
Strategizing for adoption and looking ahead at RPA's evolving role.

What is RPA? Defining Your Digital Assistant

Robotic Process Automation (RPA) utilizes software robots ("bots") to emulate human interactions with digital systems. Think of it as a digital workforce capable of automating repetitive, rule-based tasks with precision and speed.

These bots are trained to perform actions like:

- Opening applications
- Logging in
- Copying and pasting data
- Extracting information
- Making calculations



How RPA Works: Bots, Rules, and Seamless Execution

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Process Identification

Identify repetitive, high-volume, rule-based tasks suitable for automation, such as data entry or invoice processing.

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Bot Configuration

RPA software records human actions, creating scripts or workflows that the bot will follow, without needing complex coding.

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Execution G Monitoring

Bots execute tasks 24/7. They can be monitored via dashboards, ensuring accuracy and performance while flagging exceptions.

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Integration G Scaling

RPA integrates with existing IT infrastructure, allowing for scalable deployment across departments as needs evolve.

Benefits of Robotic Process Automation

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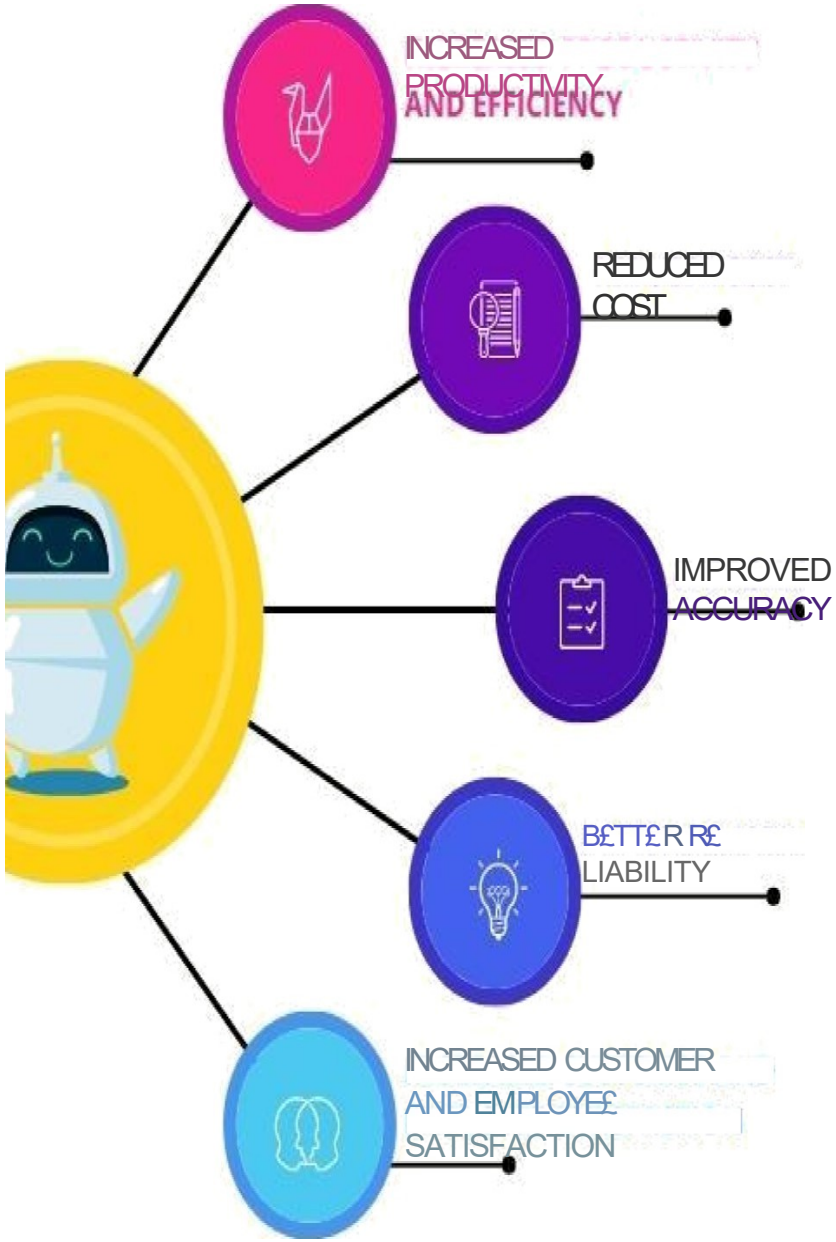


Key Benefits: Boosting Efficiency, Accuracy, and Employee Morale

Increased Efficiency

Bots work faster and continuously, leading to significantly reduced processing times and higher throughput for automated tasks.

Cost Reduction

Lower operational costs by optimizing resource allocation and reducing the need for manual intervention in repetitive tasks.

Enhanced Accuracy

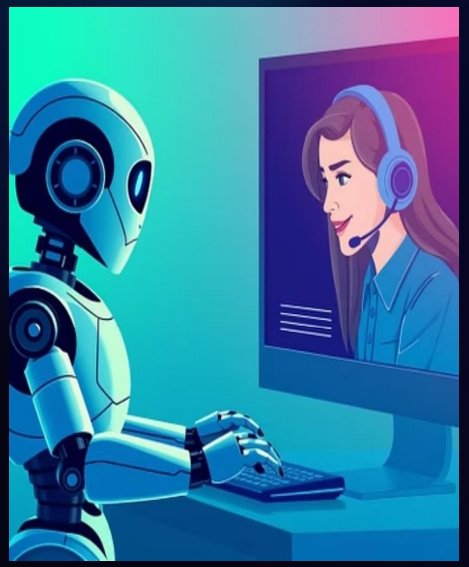
Eliminate human error in data handling, ensuring consistency and reliability across all automated processes.

Improved Employee Morale

Free up human employees from mundane tasks, allowing them to focus on more strategic, creative, and value-added work.


24x7
RPA

Real-World Applications: RPA Success Stories Across Industries



RPA is transforming various sectors by automating diverse functions:

- **Finance & Accounting:** Invoice processing, reconciliation, financial reporting.
- **Customer Service:** Automated responses, order processing, data retrieval.
- **Human Resources:** Onboarding, payroll processing, applicant tracking.
- **Supply Chain & Logistics:** Inventory management, order fulfillment, shipment tracking.

Implementing RPA: Strategy, Challenges, and Best Practices

Strategic Planning

Start with a clear vision, identifying processes with high ROI potential and strong alignment with business goals. Don't automate for automation's sake.

Change Management

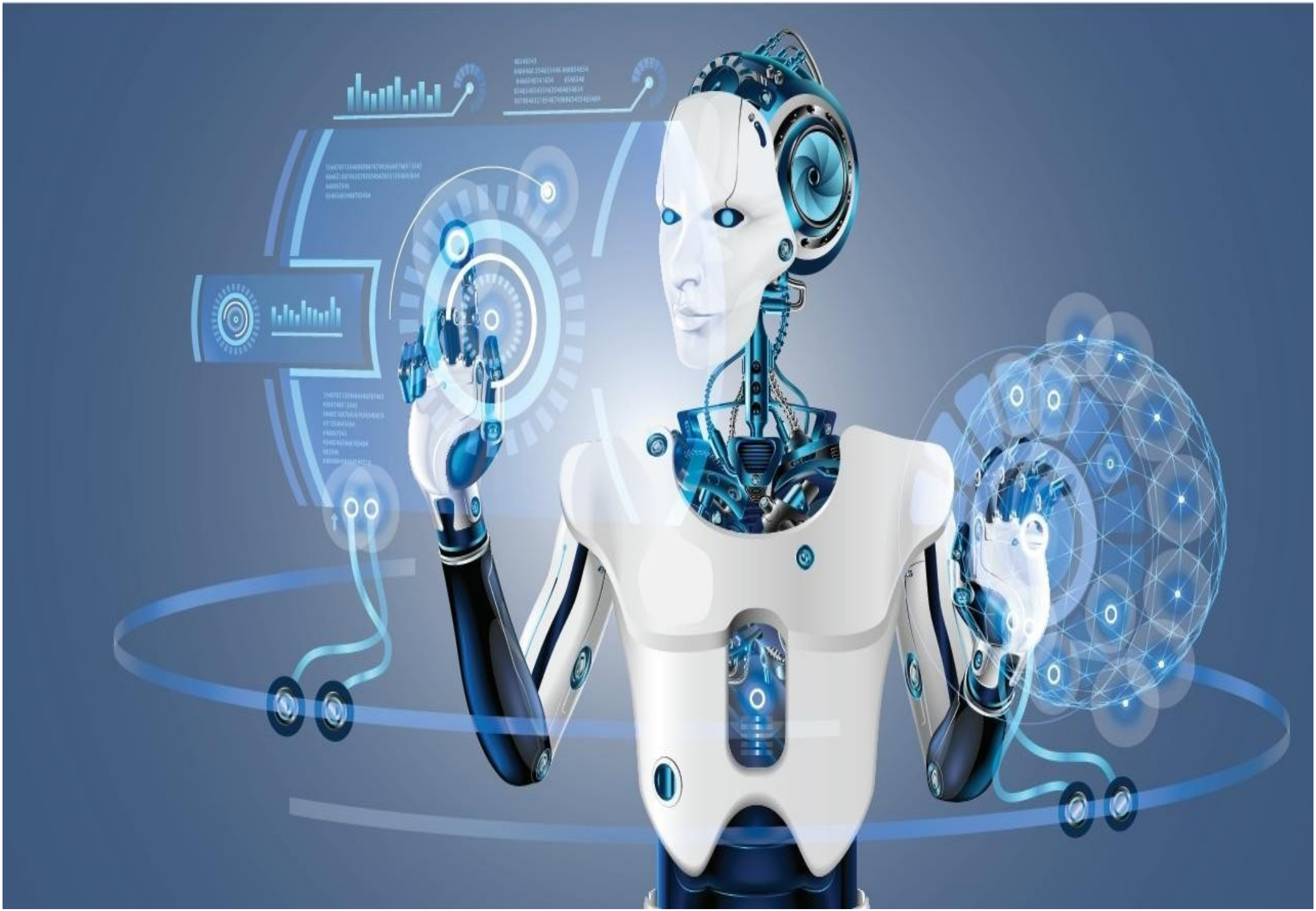
Communicate benefits to employees, address concerns, and provide training. Employee buy-in is critical for successful adoption.

Ongoing Optimization

RPA is not a one-time setup. Continuously monitor bot performance, update processes as needed, and explore new automation opportunities.

Common Challenges:

- Poorly defined processes leading to automation failures.
- Lack of executive sponsorship and cross-departmental collaboration.
- Underestimating the need for ongoing maintenance and scalability planning.



RPA vs. AI: Differentiating the Automation Spectrum

Robotic Process Automation (RPA)

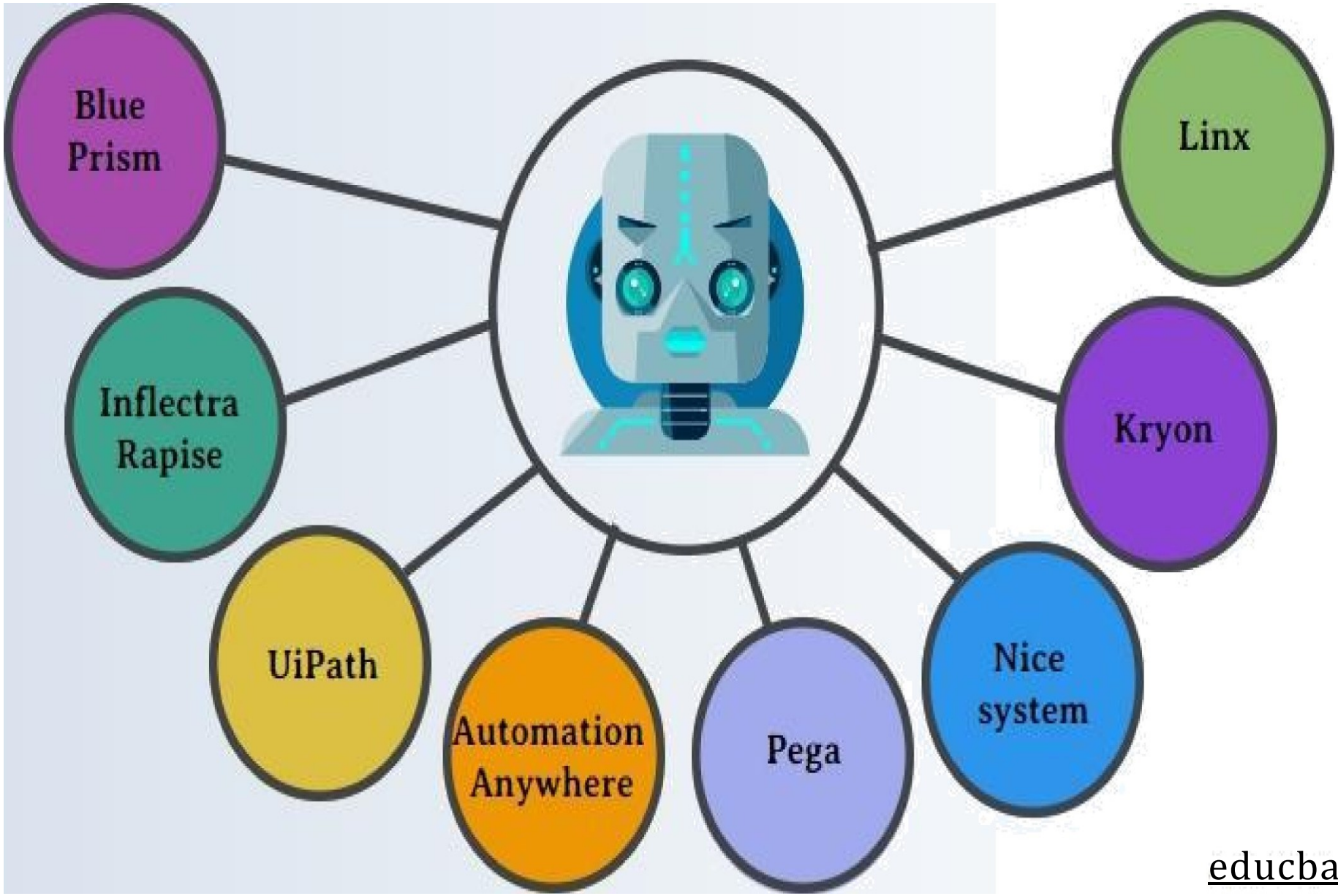
- **Focus:** Automating repetitive, rule-based tasks.
- **Intelligence:** Follows predefined instructions; "digital hands."
- **Data Handling:** Processes structured data within existing systems.
- **Complexity:** Best for simple, high-volume tasks.
- **Example:** Copying data from an email to a spreadsheet.

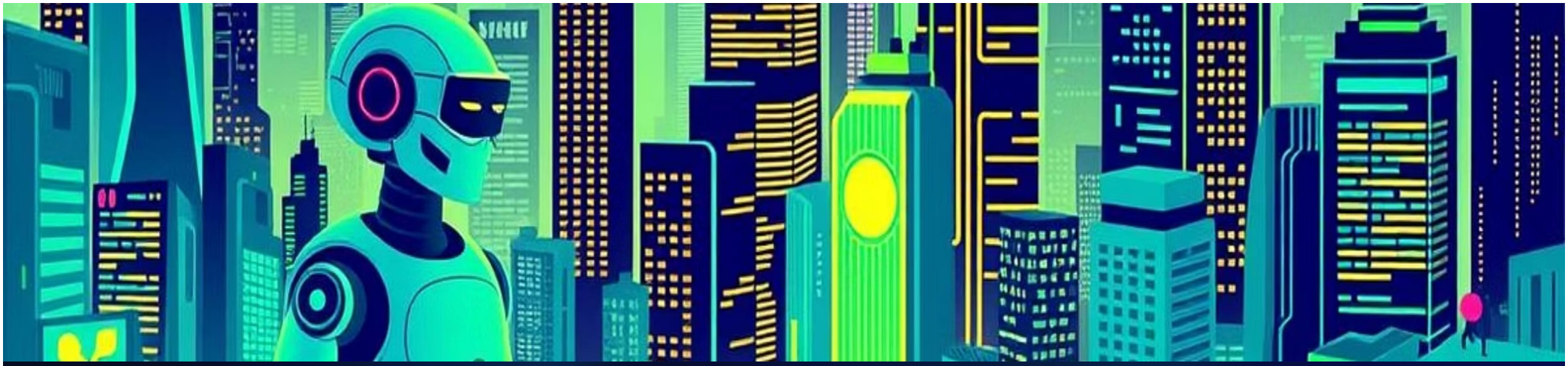
Artificial Intelligence (AI)

- **Focus:** Simulating human intelligence for complex problem-solving.
- **Intelligence:** Learns, reasons, adapts; "digital brain."
- **Data Handling:** Processes structured and unstructured data, makes predictions.
- **Complexity:** Handles cognitive, non-rule-based tasks.
- **Example:** Analyzing sentiment from customer reviews.

Synergy: RPA and AI are often combined to create "Intelligent Automation," handling both routine tasks and complex decision- making.

RPA Tools





The Future of Work: RPA's Role in Digital Transformation

RPA is a foundational pillar of digital transformation, enabling organizations to build a more agile, efficient, and innovative future. It empowers businesses to:

- Reallocate human talent to higher-value activities.
- Enhance customer and employee experiences.
- Drive continuous improvement and innovation.

Unlock Your Potential: Key Takeaways G Your Next Steps with RPA

Start Small, Think Big

Begin with pilot projects to demonstrate value, then scale across the organization strategically.

Foster Collaboration

Involve IT, business users, and leadership to ensure successful implementation and adoption.

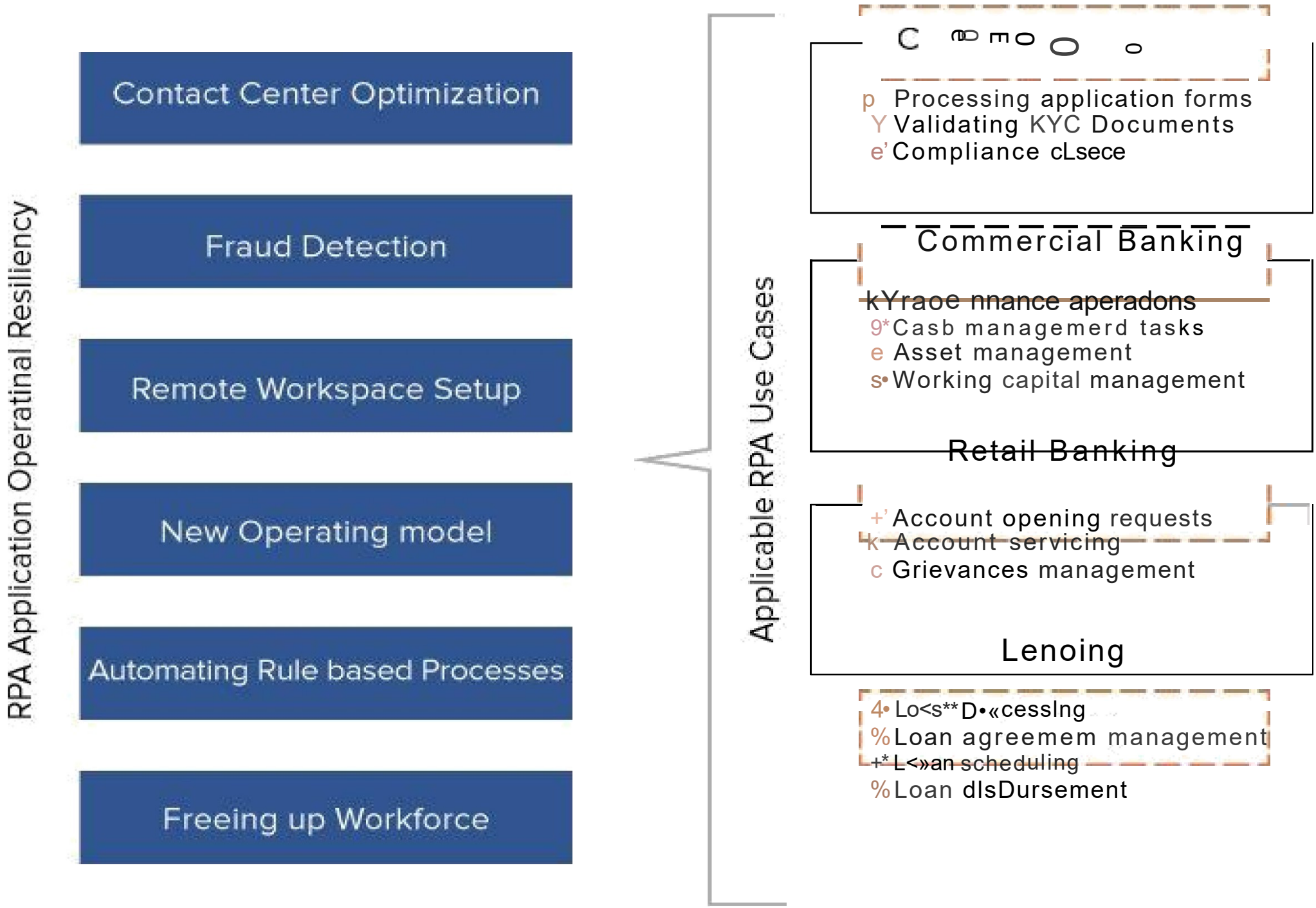
Continuously Evaluate

Regularly assess bot performance and identify new opportunities for automation to maximize ROI.

Ready to explore how RPA can transform your business?

Schedule a Consultatio

Download Our RPA Gui


RPA Application Operatinal Resiliency
Contact Center Optimization
Fraud Detection
Remote Workspace Setup
New Operating model
Automating Rule based Processes
Freeing up Workforce
Applicable RPA Use Cases
p Processing application forms
Y Validating KYC Documents
e' Compliance cLsece
Commercial Banking
9* Casb managemerd tasks
e Asset management
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Retail Banking
+' Account opening requests
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Thank you