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Artificial Intelligence in Action Embedding RPA and AI in Operations

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Prodapt - World's leading robotics implementation partner for CSPs/DSPs





What is Robotic Process Automation?

Automation technology that significantly reduces manual effort associated with swivel-chairing across systems











Basic RPA (Structured Data and Rules)

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Based on Prodapt's customer engagements, typical savings in the service fulfillment area (such as order handling) have been in the ~60% range



100% orders processed through RPA - Faster time to market and first time rights

No backlogs whatsoever - No more wait time

Zero errors induced by robots - Provisioned as ordered!









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NLP powered BOT identifies a customer request, understands the emotions, offers right solutions & also triggers backend processes through RPA for quick implementation





Basic RPA Cognitive RPA Intelligent RPA

Bot automatically senses the tone of the customer and associates it with displeasure – uses an apologetic tone to pacify the customer

- Bot has the ability to understand the context that the customer is referring to a past conversation and had asked for a specific update to be done
- Bot again accesses the required systems at the backend to provide accurate information to the user with minimal wait time
- Bot proposes a corrective measure based on the intelligence as to which step will solve the issue faced by the customer - also understands the customer's queries about payment

Bot has the ability to implement corrective actions as well by triggering RPA bots in the backend to make the necessary changes

The bot uses episodic memory to understand past actions and also the EQ ontology to understand human emotions while responding



Enable BOTs to make decisions similar to those made by human experts



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Benefits

- Begin with centralized model and move into federated model for scale
- Standardize governance and ROI measurements
- Identify and share best practices to optimize investment
- Leverage RPA as legacy systems wrappers for systems modernization effort

RPA provides quick operational benefits allowing for long term strategic platform work

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Benefits

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- Reduce order and care call volume
 - Provide seamless multichannel experience
- Eliminate tech calls to back office and improve MTTR
- Storage of customer interactions information for future analytics

Natural language processing (NLP) engine provides context, intent and sentiment identification to carry forward meaningful conversation with customer, technician or employee



How you can get started?

Start with a process study to determine automation potential and execute a PoT (Proof of Technology)





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Thank You

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