



Before.. Manual Process..

ANALYZE

User manually analyses the info on the Invoice

VERIFY

User cross verifies entered invoice data

1

RECIEVE

User receives Supplier Invoice PDF File

2

INPUT

User manually inputs invoice info i.e. Document Date, Vendor Invoice Ref. No, Part No Description, Quantity, Rate etc. in ERP

3

REPEAT

User repeats this action for every Supplier Invoice to create

4

5

1

Error-Prone

2

Tedious

3

Time Consuming

4

Inefficient

5

Out-dated Method

After.. AI-Enable (RPA) Process..

EXTRACT

User uploads PDF into RPA Bot which extracts relevant info

VERIFY

User cross verifies entered invoice data

1

RECIEVE

User receives Supplier Invoice PDF File

2

CREATE

RPA automatically creates Purchase Invoice in ERP with captured info

3

REPEAT

User repeats this action for every Supplier Invoice

4

5

1

Error-Free

2

Automated

3

Fast

4

Efficient

5

Modern

Using Microsoft's AI Builder, a PDF extraction RPA bot was created to facilitate automated creation of Purchase Invoice from a Supplier Invoice (PDF). An AI bot was trained on all OPEX and CAPEX supplier PDFs to extract relevant header and line data i.e. Doc. Date, Inv. No., Line Desc., Quantity, Rate etc. The AI Bot was facilitated by API integration into ERP to auto create the Purchase Invoice with captured data.

FORCASTED

Error Reduction

90%

AI eliminates manual data entry errors, ensuring highly accurate invoice processing.

Time Saving

70%

Automating invoice creation significantly reduces processing time compared to manual entry.

Efficiency Increase

70%

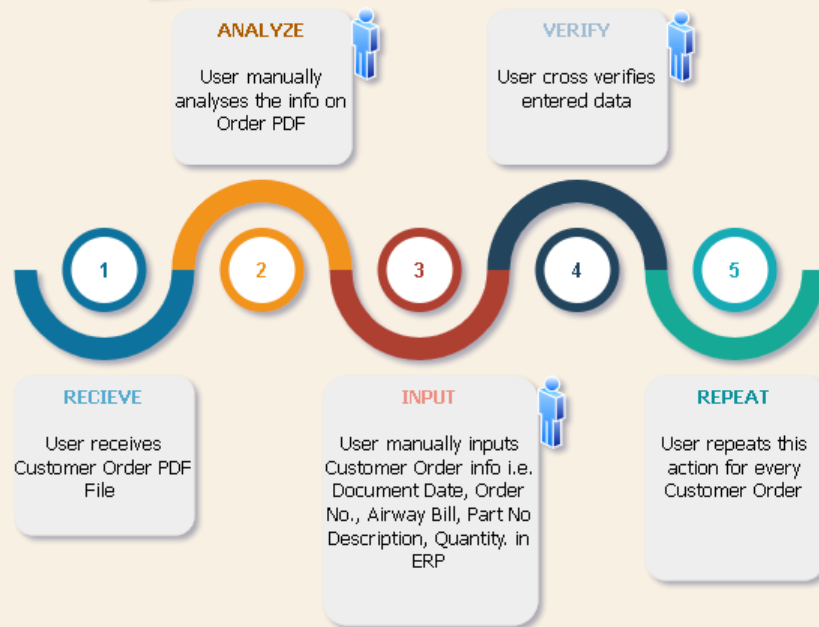
AI can handle multiple invoices simultaneously, increasing overall business productivity.

Cost Saving

50%

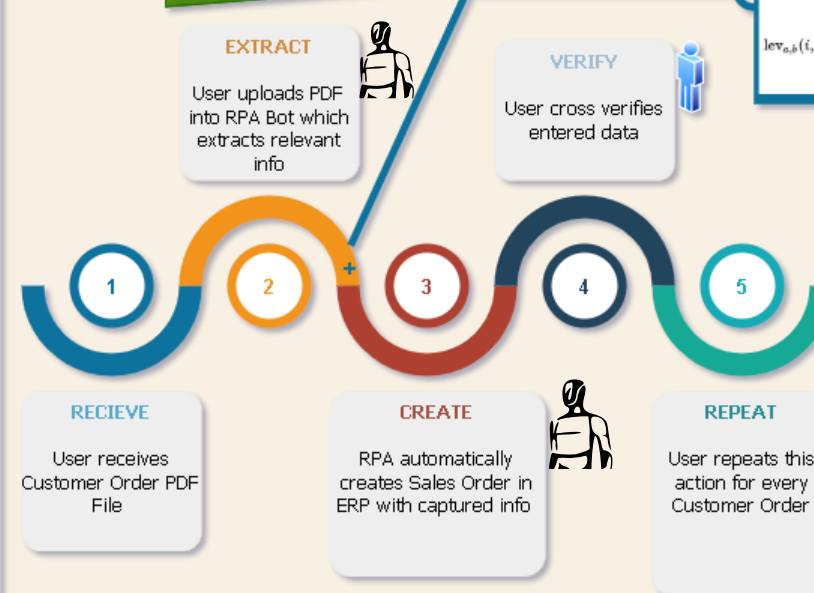
Reduced labor costs and fewer rework expenses lead to substantial financial savings.

Before.. Manual Process..



- 1 Error-Prone
- 2 Tedious
- 3 Time Consuming
- 4 Inefficient
- 5 Out-dated

After.. AI-Enabled (RPA) Process..



Part Number Matching Microservice

$$\text{lev}_{a,b}(i,j) = \begin{cases} \max(i,j) & \text{if } \min(i,j) = 0, \\ \min \begin{cases} \text{lev}_{a,b}(i-1,j) + 1 \\ \text{lev}_{a,b}(i,j-1) + 1 \\ \text{lev}_{a,b}(i-1,j-1) + 1_{(a_i \neq b_j)} \end{cases} & \text{otherwise.} \end{cases}$$

- 1 Error-Free
- 2 Automated
- 3 Fast
- 4 Efficient
- 5 Modern

OVERVIEW

Using Microsoft's AI Builder, a PDF extraction RPA bot was created to facilitate automated creation of Sales Order from a Customer Order (PDF). An AI bot was trained on all Customer PDFs to extract relevant header and line data i.e. Doc. Date, Airway Bill No., Line Desc., Quantity. A supporting Microservice was programmed (in Python) to facilitate the best-matching Part No. implementing Levenshtein Algorithm, between PDF Part No. and ERP internal Part No. The AI Bot was integrated with ERP via API to auto create Sales Order with captured data.

FORECASTED

