

meetup

# BITPro

SAT, JUN 17, 2023, 9:30 AM IST

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# Power Automate -> AI Builder - > Document Processing



**Prashanth Purushotham**

Head of Internal IT Infrastructure  
and Automation at Vohkus



# ABOUT ME



## PRASHANTH PURUSHOTHAM

[Prashanth Purushotham | LinkedIn](#)

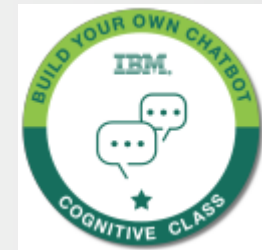
[Cloud Technologies – All about Cloud Technologies \(wordpress.com\)](#)



TECHNOLOGYEDGE >< BUSINESSEDGE®

## HEAD OF IT INFRASTRUCTURE & AUTOMATION

*22 Plus years of broad technical experience in the areas of Infrastructure, Cloud & Security architect, solution design, pre-sales & implementation in the technology platform such as Microsoft Windows, Linux, VMware, Storage and Networking Technologies. Strong technical expertise in migration of infrastructure workloads to public, private & Hybrid cloud, Infra & Application Automation, Business process Automation.*



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# Agenda



Microsoft Power Platform overview



AI Builder Overview



Use Cases Demo



(Q)uestion & (A)nswer




# Microsoft Power Platform overview

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# Microsoft Power Platform

The low code platform that spans Microsoft 365, Azure, Dynamics 365, and standalone apps.



**Power BI**  
Business analytics



**Power Apps**  
App development



**Power Automate**  
Process automation



**Power Virtual Agents**  
Intelligent virtual agents



**Power Pages**  
External-facing websites



**Data  
connectors**



**AI Builder**



**Dataverse**



# Automate and integrate business processes with Power Automate

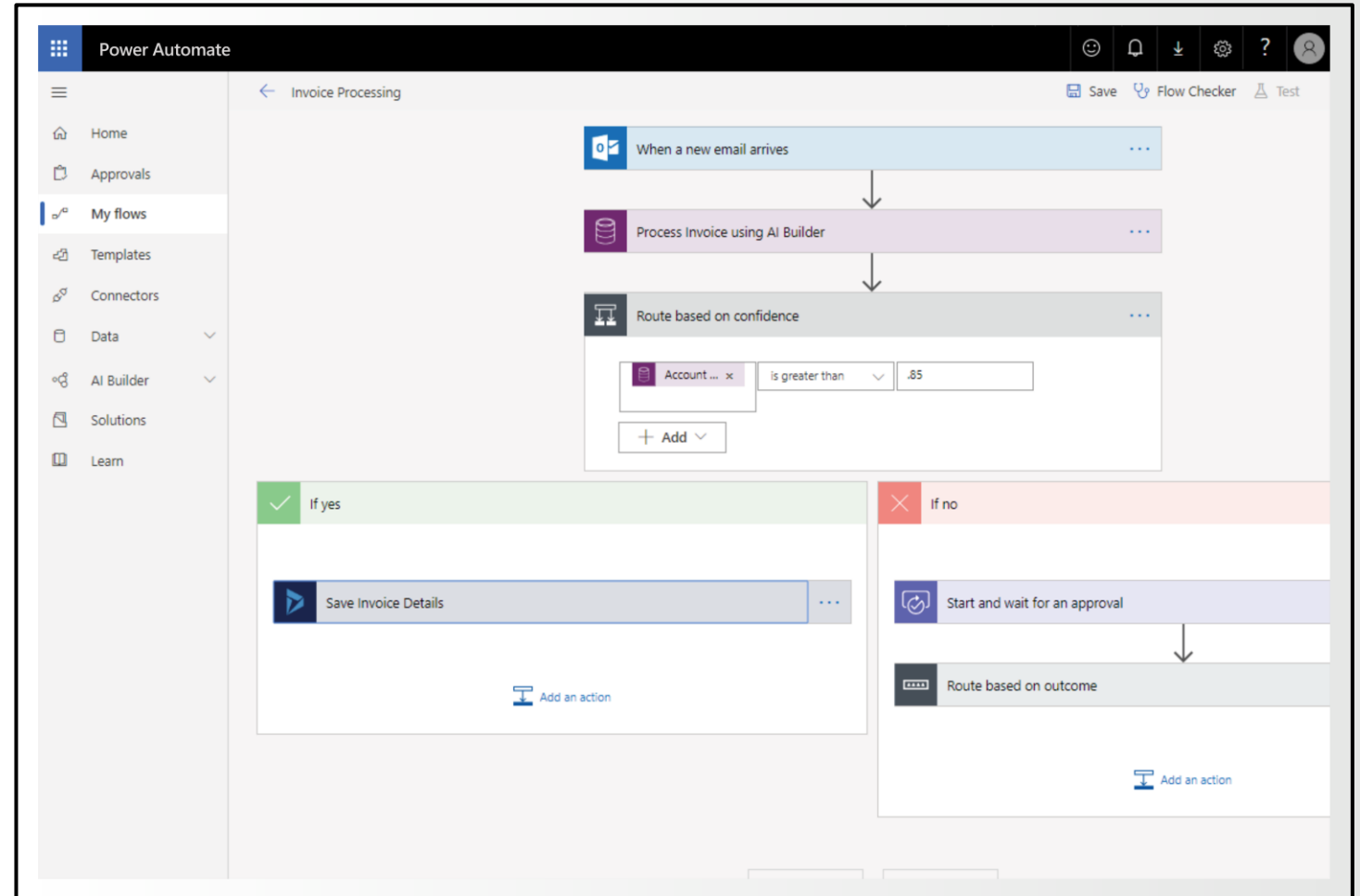


Automate and model business processes across your apps and services

From simple automations to advanced scenarios with branches, loops, and more

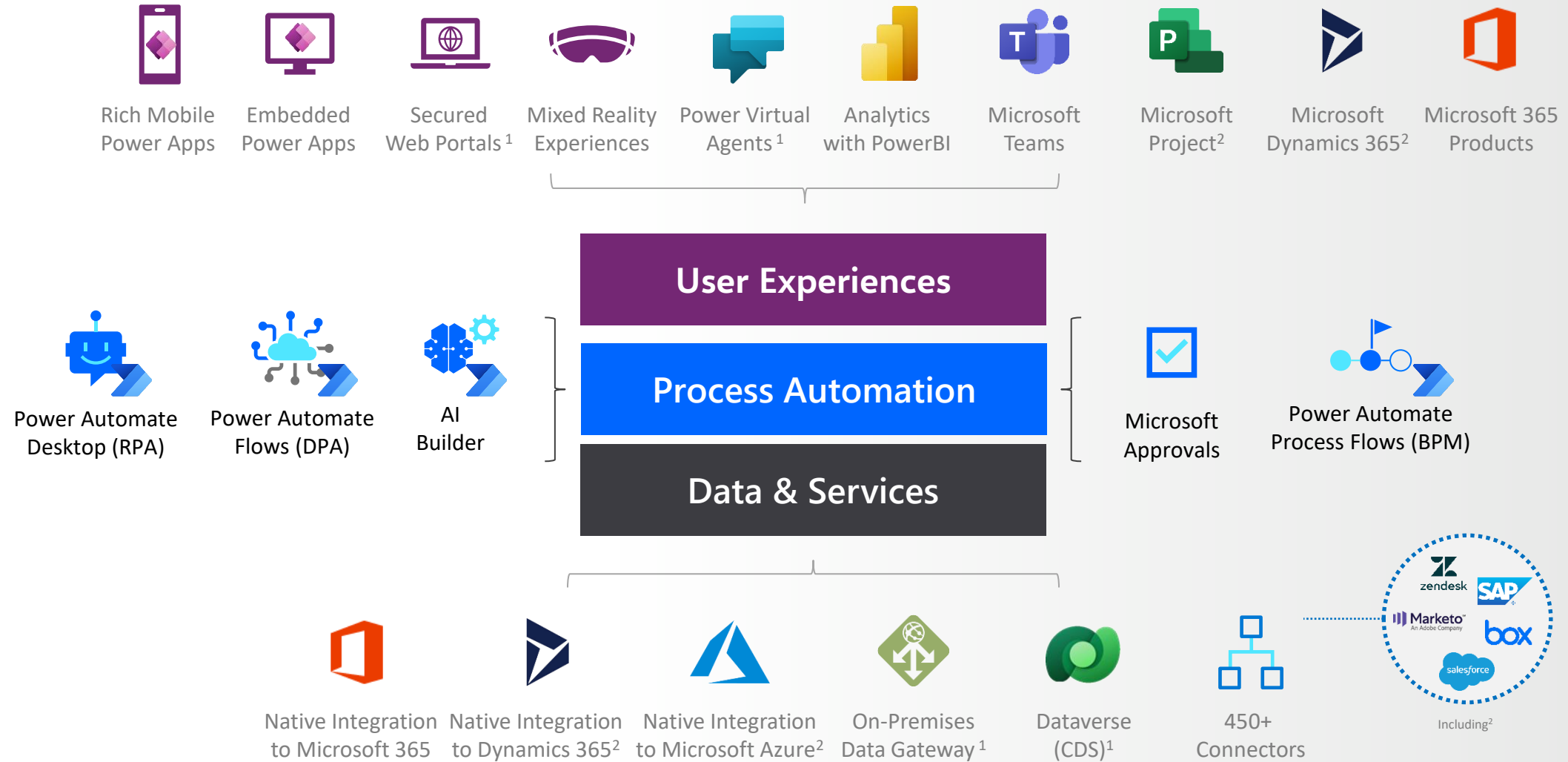
Trigger actions, grant approvals, and get notifications right where you work

Automate legacy, on-prem and cloud-based applications and services





# The functional flexibility of the Power Platform





# AI Builder Overview

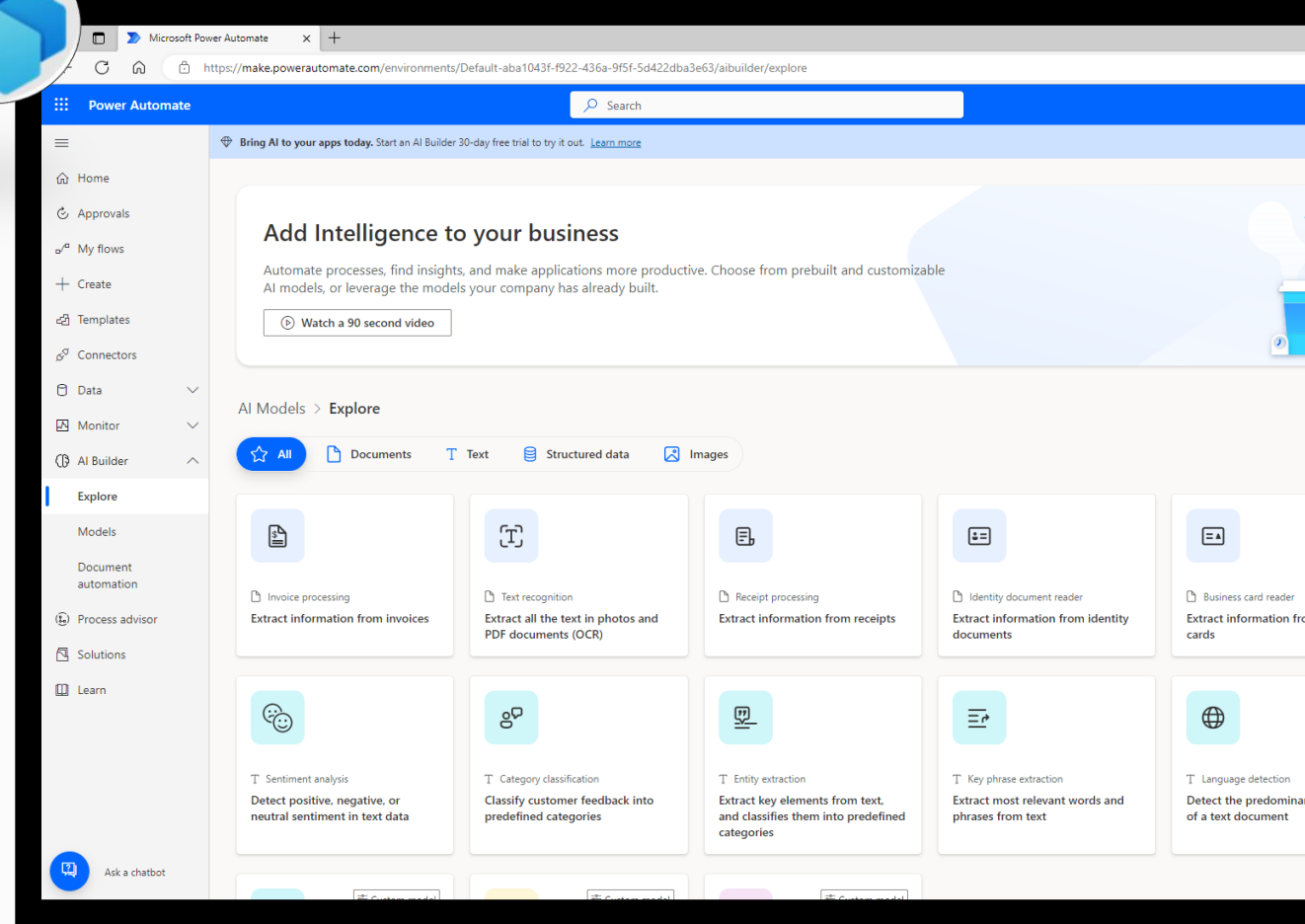
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# Add intelligence to your business with AI Builder

- ❑ Use per-built AI models and customize them in minutes without code or data scientists
- ❑ Industry leading AI Technology backed by Azure AI, customizable for unique business needs
- ❑ Integrated in Power Platform and Dynamics 365 so makers can use AI to build more intelligent apps and workflows



# AI Builder Capabilities

## Documents

- Process structured and unstructured documents
- Recognize text (OCR)
- Process invoices and receipts
- Process passports and US driver's licenses
- Process business cards

## Language

- Categorize text
- Extract entities
- Extract key phrases
- Detect language
- Analyse sentiment
- Translate

## Images

- Detect objects
- Classify images

## Structured Data

- Predict quantity
- Predict outcomes



# Intelligent Document and Text Processing in Power Platform

Empower all users to automate workflows with customizable AI models for their unique business needs

Less errors

Reduced cost

## GA - Process Documents

- Structured & Unstructured
- Identity Documents
- Invoices
- Receipts
- Recognize text (OCR)
- Business Cards

## GA - Process Language

- Extract entities
- Categorize text
- Analyse Sentiment
- Extract Key Phrases
- Detect Language
- Translate

## GA - Build Custom Models

- Complex Table Extraction
- Checkboxes
- 200 layouts in a single model
- 70+ languages
- PDFs, TIFFs, Images
- Process 300 fields per flow
- Lifecycle Management

## GA Export Data

- 700+ Connectors
- Power Automate Desktop to export data to legacy systems

## Document Automation Starter Kit

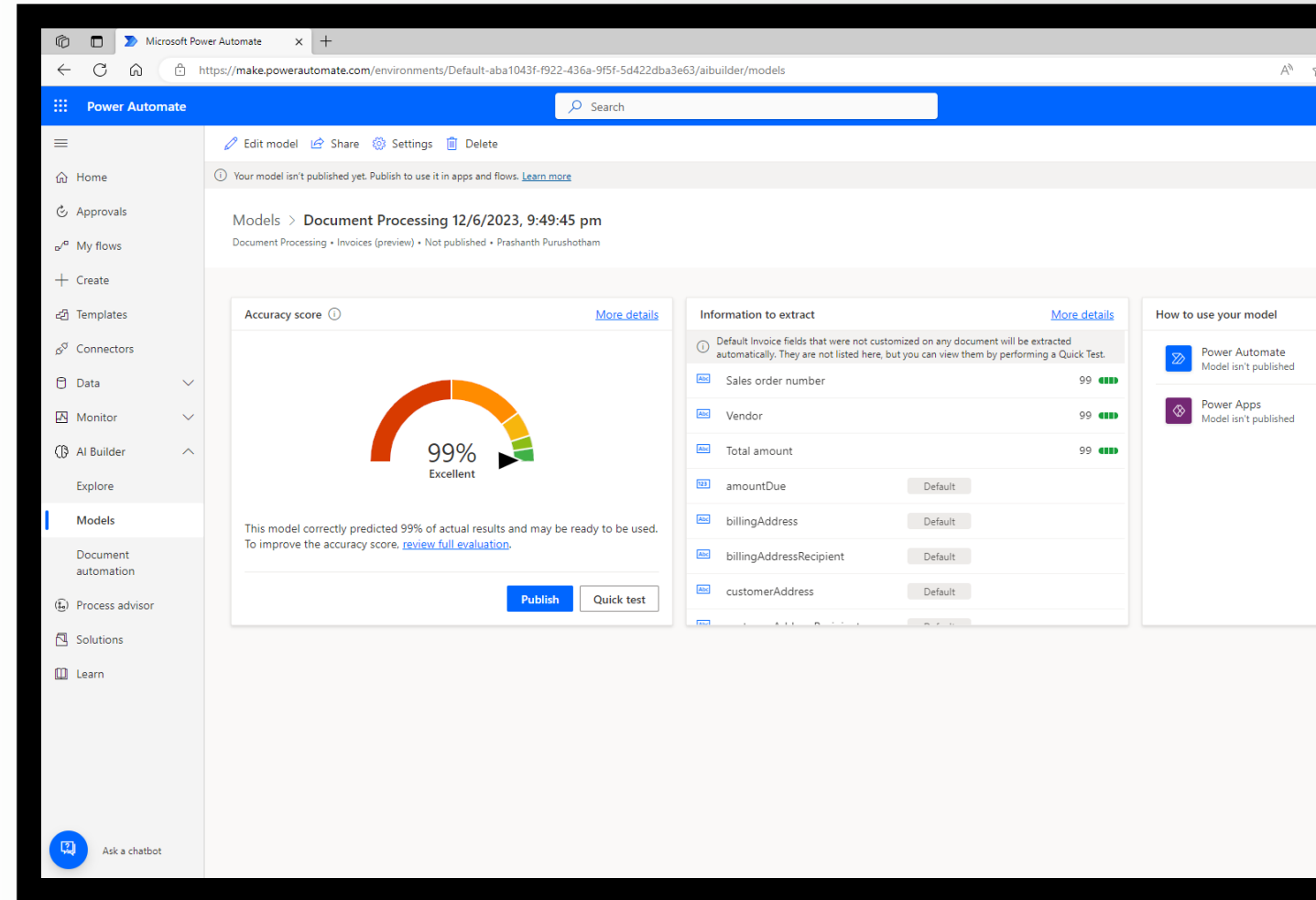
- Pre-configured flows and validation app to easily setup a Document Automation process end-to-end



# Model Performance metrics

Understand a document processing model readiness for production usage

- Obtain a global accuracy score after teach training
- Break down by extracted item and collection
- Obtain recommendations on how to improve the model



# Use Case Demo

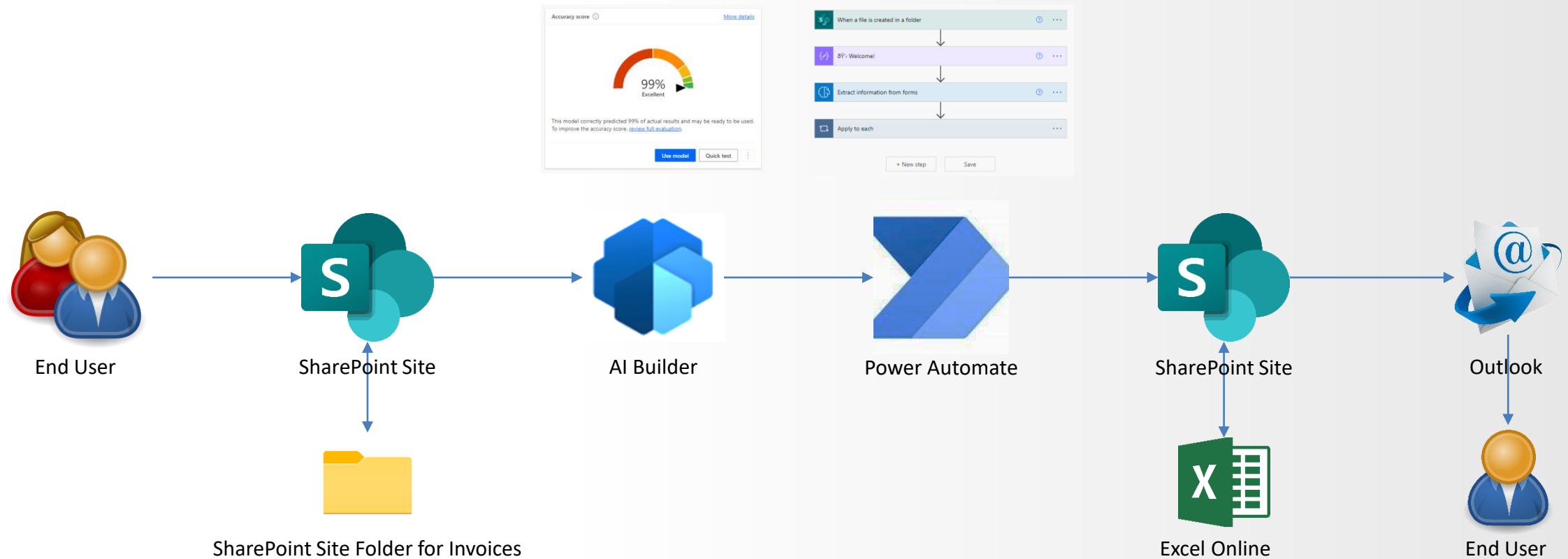
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# Use case - Demo

Uploading the **invoice copy** with **pdf format** into SharePoint folder, **AI Builder** will extract the required data fields from the Invoice copy and save it into the **excel online** file in **SharePoint** folder, **Email** will be sent to the End user with all the **data extracted** and stored in excel file. Entire flow is executed by **Power Automate**





# (Q)uestion & (A)nswer

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# Content

**Power Automate -> AI Builder -> Document Processing Presentation:**

<https://github.com/purupr01/BangaloreITPro/tree/main/17thJune2023>

**Microsoft Power Automate -> AI Builder:**

<https://make.powerautomate.com/environments/Default-aba1043f-f922-436a-9f5f-5d422dba3e63/aibuilder/explore>

**AI Builder Documentation:**

<https://learn.microsoft.com/en-us/ai-builder/>

**AI Builder Calculator:**

<https://powerapps.microsoft.com/en-in/ai-builder-calculator/>

**Document Processing Lab Sample Data:**

<https://learn.microsoft.com/en-us/ai-builder/form-processing-sample-data>

**AI Builder Lab:**

<https://learn.microsoft.com/en-us/training/modules/get-started-with-form-processing/2-create-first-model>

<https://learn.microsoft.com/en-us/training/modules/get-started-with-form-processing/3-use-model>

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*Why to attend*

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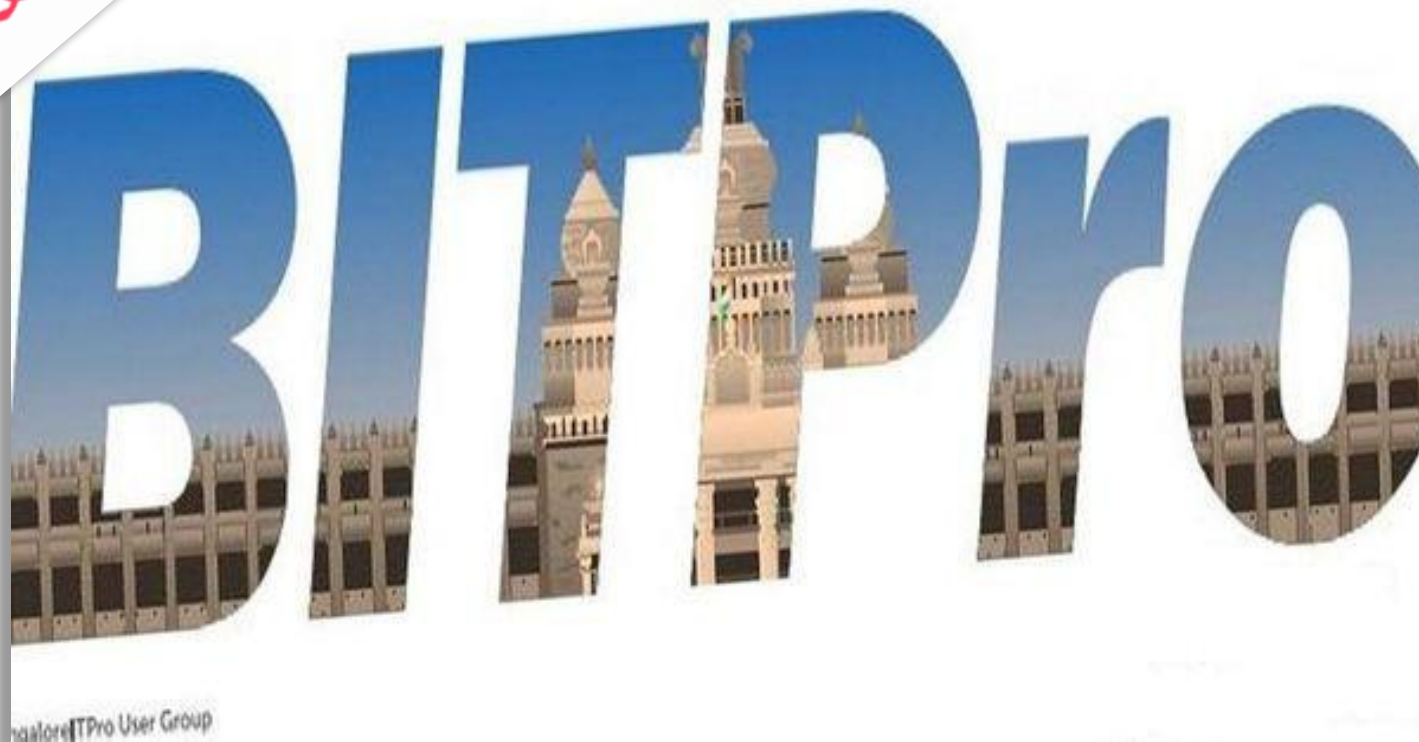
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