

# POWER PLATFORM

low code platform spans Office 365, Azure, Dynamics 365 and standalone applications.

Component:

Power BI → Business analytics

Power Automate → Process Automation

Power Apps → Application development

Power Virtual Agents → Chatbots

Additional Components:

- 1) Data Connectors: Power Apps ko (SQL Server) se connect krna
- 2) AI Builder :- AI models aad krna
- 3) Data Verse: MS ka database sab store krta hai
- 4) Portals: Web interface jahan se internal/external users DataVerse data access kr sken.

Power Apps:

- Apps for both mobile & web
- Canvas Apps
- Model-driven Apps
- Responsive apps any device pe chalte hain

## Power Automate:

- Create Workflows
- Notification bhejna
- Data transfer b/w systems
- Cloud aur on-premises dono integration

## Power BI: (charts, graphs, dashboards)

Connect multiple data sources

Create dashboards aur interactive reports

Real time insights.

## Power Virtual Agent:

No code chat builder.

- Non developers bhi bots bana sakte hain
- Bot actions perform kar sakte hain
- Integrate with services (email, CRM)
- Performance dashboard aur AI insights milte hai

## AI Builder:

AI in app w/o coding

- Point & click experience
- Prebuilt Models
- Custom AI models banana ki ability.



## Microsoft DataVerse

secure cloud DB for store & manage data.

- Standardized data model
- Business logic, security built in
- Seamless Dynamics, Office 365, Azure integration

e.g: Complaint / Support Apps.

## Power Apps Portals:

responsive website for external users

DataVerse data publicly access ho sakte hai.

Responsive web design

Authentication aur permissions.

## Data Connectors

apps ko doosre system Gmail, SA, excel se connect krte hain.

## Data Sources for Connector :

### 2 Types Of Data Sources:

#### 1) Table Based:

tables, CRUD operations

e.g: Dataverse, Shared point, SQL server

#### 2) Function Based:

functions k zrye

e.g: Office 365 Users, Project Online

## Components of Connector:

#### 1) Triggers: used in power automate (They start flow)

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#### 2) Actions: used in Apps & Automate write row, email bhjna

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## Pulling It All together:

sub tools ko milana.

## Better Together:

gives best performance when all tools are connected.



Analyze (BI)  
Act (Power Apps)  
Automate (Power Automate)

### Features Of Power Apps:

- drag/drop
- existing data source reconnect Karna
- Apps instantly share Karna.

### Types Of Power Apps:

Canvas App: Design based, task focused

Model-Driven: Data, process based

Portal App: External access (website like)

CANVAS	MODEL DRIVEN
Multiple data source	Data verse back Karna
UI customized	AI responsive
Task/screen focused	Process focused

## Power App Building Blocks 3P

1) Home Page : start with sample app  
- Blank screen choose  
- See own app

2) Studio:

left : screen & controls list

middle : Canvas

right : Properties data sources

3) Mobile:

Windows / iOS / Android.

4) Admin Center: Manage Environment  
control users and data policies.

⇒ Manage from Admin → Organizational level per Power Apps.

## Related Technologies

- ) Data ~~Source~~ Verse
- ) Data Sources
- ) Power Automate.



## Data Warehouse:

store & manage data

Standard + custom tables

Secure and managed

• Dynamics 365 integration

## Why Use?

→ Simple to manage

→ Data secure

→ Direct Dynamics Access

→ Rich metadata & Validation

→ Productivity tools.