

## POWER PLATFORM

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

Components:

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, Excel) se connect karne

2) AI Builder: AI models kabhi karne

3) Data Verse: MS Ke database sab store karne.

4) Portals: Web interface jahan se internal/ external users DataVerse data access kar skte hain.

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 banane skte hain
- Bot actions perform kar skte hain
- Integrate with services (email, CRM)
- Performance dashboard aur AI insights milte hain

## AI Builder:

AI in app w/o coding

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

## Microsoft Data Verse

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 skta  
hai.

Responsive web design

Authentication, our permissions.

## Data Connectors

apps ko choose system Gmail, SQL,  
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-zye

e.g: Office 365Users, Project Online

## Components Of Connector:

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

logik start job ↴

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

logik pb ↴

Pulling It Altogether:

Sab tools ko mibana.

## Better Togethers:

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 seconnect Krna
- Apps instantly share Krna.

### Types Of Power Apps:

Canvas App: Design based, task focused

Model-Driven: Data, process based

Portal App: External access (website like)

#### CANVAS

Multiple data source

UI customized

Task/screen focused

#### MODEL DRIVEN

Data verse back end

All responsive

Process focused

## Power App Building Blocks :-

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 par Power Apps.

## Related Technologies

•) Data ~~Services~~ Verse •) Data Sources

•) Power Automate.

## DataVerse:

store & manage data

Standard + custom tables

Secure and managed

• Dynamics 365 integration

## Why Use?

→ Simple to manage

→ Data security

→ Direct Dynamics Access

→ Rich metadata & Validation

→ Productivity tools.