Microsoft Power Platform – Notes

Microsoft Power Platform Overview:
- A suite of low-code/no-code tools enabling app development, automation, analytics, and AI.

Core Components:
1. Power Apps – Build web and mobile apps quickly.
   - Canvas Apps: Drag-and-drop design.
   - Model-Driven Apps: Data-first approach.
   - Portals: External-facing websites.

2. Power Automate – Automate workflows.
   - Cloud flows, desktop flows, business process flows.

3. Power BI – Business analytics and visualization.
   - Dashboards, reports, data modeling.

4. Power Pages – Low-code website builder.

5. Power Virtual Agents – No-code chatbots.

Dataverse:
- Cloud-based data storage platform.
- Supports tables, relationships, business rules.

Connectors:
- 1,000+ connectors for Microsoft and third-party services.
- Custom connectors available.

AI Builder:
- AI models integrated into Power Apps and Automate.
- Examples: Form processing, prediction, object detection.

Security & Governance:
- Managed via Power Platform Admin Center.
- Data Loss Prevention (DLP) policies.

Use Cases:
- Automating business workflows.
- Creating custom business apps.
- Analyzing operational data.
- Building chatbots for support.