Project Design Phase-II
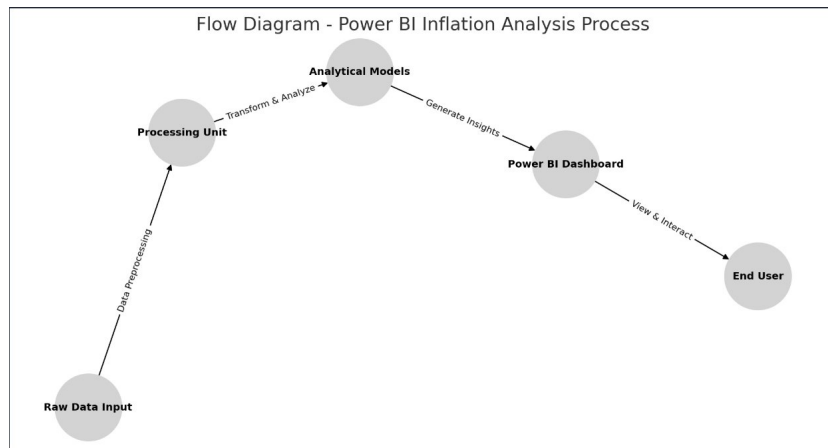# Data Flow Diagram & User Stories

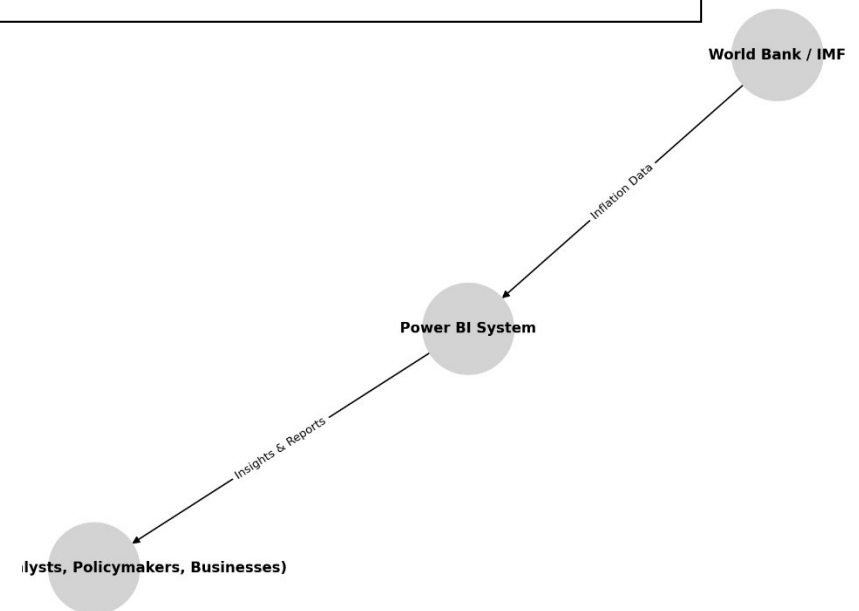| Date	31 January 2025
Team ID	PNT2025TMID00596
Project Name	**Power BI Inflation Analysis Journeying Through Global Economic Terrain**
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Flow Diagram - Power BI Inflation Analysis Process
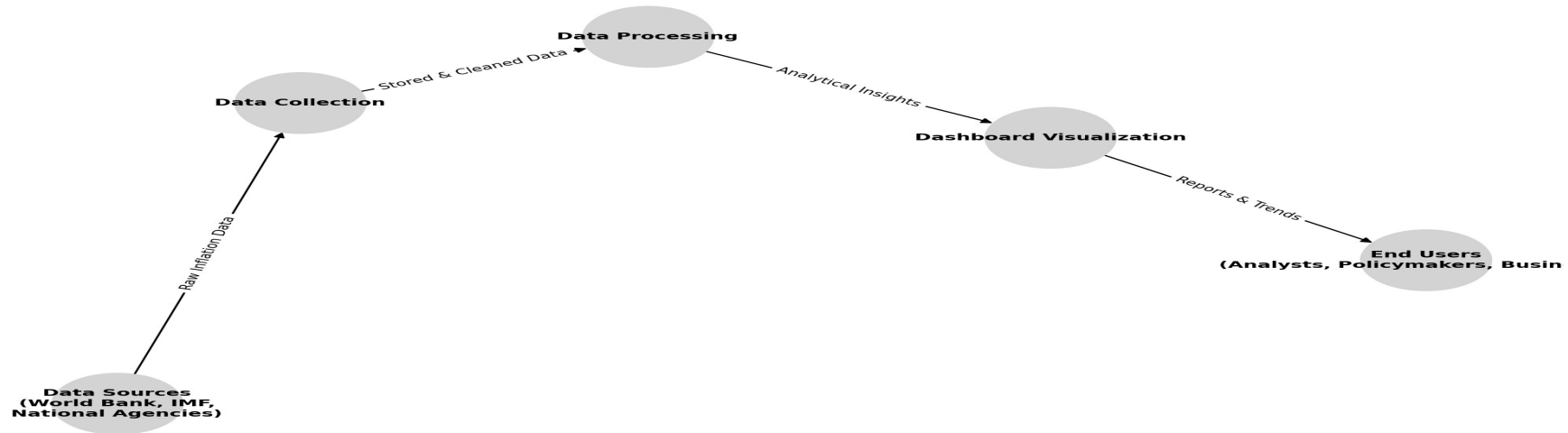

DFD Level 0 (Industry Standard)

Data Flow:

1. Collect global inflation data from multiple sources.

2. Store & clean the data within the system.

3. Apply analytical models for trend analysis and forecasting.

4. Visualize insights in Power BI dashboards.

5. Enable user interaction for deeper exploration of inflation trends.

DFD Level 1 (Industry Standard)

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Data Analyst	Data Import	USN-1	As an analyst, I can upload inflation data from various sources into Power BI	Successfully imports data without errors	High	Sprint-1
Data Analyst	Data Cleaning	USN-2	As an analyst, I can clean and transform raw data into a structured format	Processed data is structured correctly	High	Sprint-1
Economist	Inflation Trends Analysis	USN-3	As an economist, I can view historical inflation trends for different regions	Visual graphs display accurate trends	High	Sprint-1
Policymaker	Comparative Analysis	USN-4	As a policymaker, I can compare inflation across countries and economic indicators	Users can compare data with filters	High	Sprint-2
Business User	Forecasting	USN-5	As a business user, I can analyze predictive models for future inflation trends	Predictive trends are displayed accurately	Medium	Sprint-2
General User	Interactive Dashboard	USN-6	As a user, I can interact with charts and apply filters to customize the view	Filters and drill-down features work as expected	High	Sprint-1
Administrator	Data Access Control	USN-7	As an administrator, I can manage user roles and access permissions	Access levels function correctly	High	Sprint-1
Data Analyst	Data Import	USN-1	As an analyst, I can upload inflation data from various sources into Power BI	Successfully imports data without errors	High	Sprint-1