Project Design Phase-II
Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	PNT2025TMID01163
Project Name	Predicting Plant Growth Stages with Environmental and Management Data Using Power BI
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.
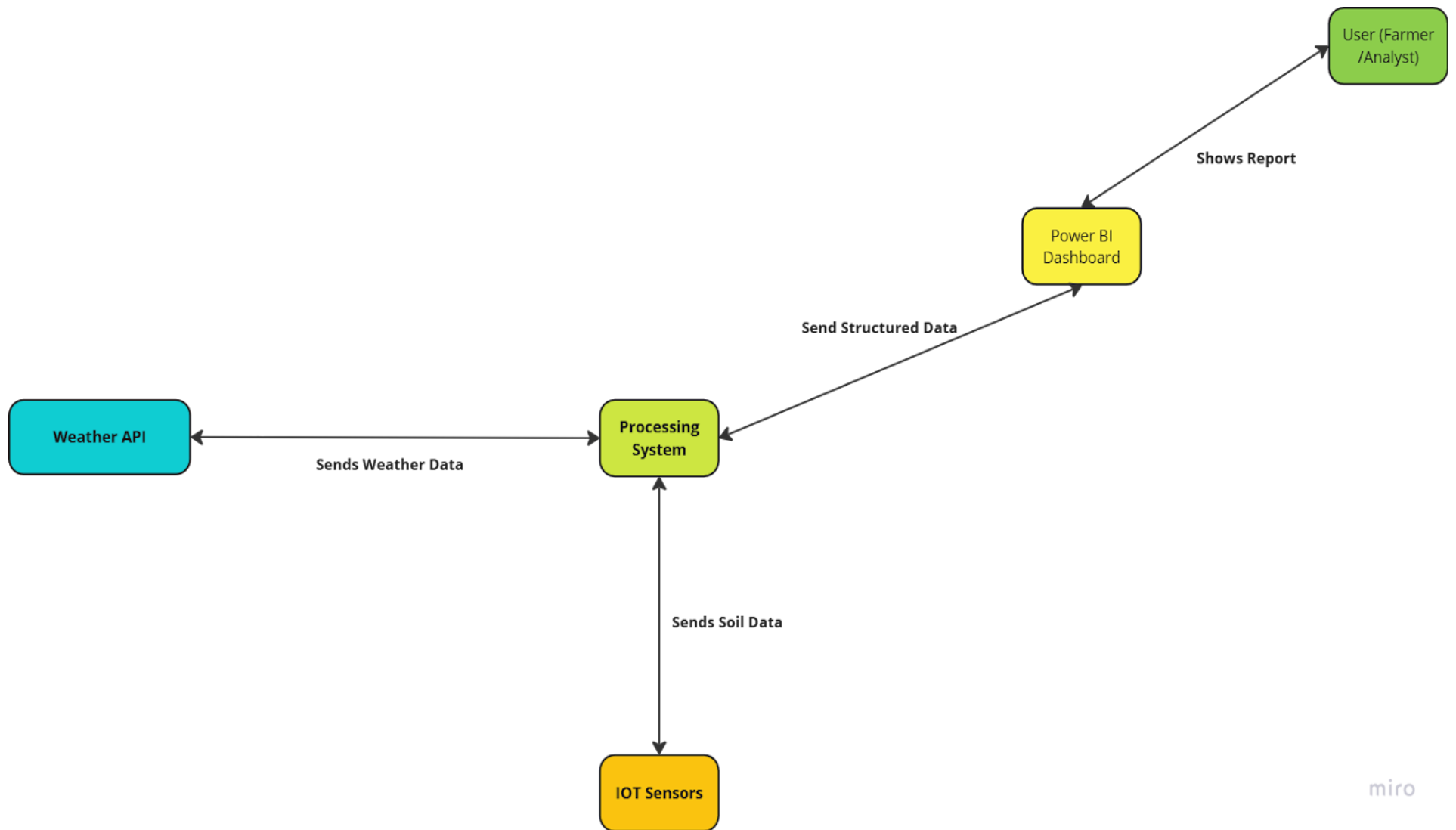
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Farmer	Real Time - Weather Updates	USN-1	View Real Time Weather Data.	Weather Data Updates every 15 minutes.	High	Phase 1
	Soil Health Monitoring	USN-2	View Soil Moisture, PH, and nutrient levels.	Displays accurate soil data and date/Time	High	Phase 1
Agronomist	Data Analytics and Insights	USN-3	Generate Reports on Crop Health.	Report is downloadable in PDF/Excel format	Medium	Phase-2
Government	Historical Data Analysis	USN-4	View Past Weather and Soil Data Trend	Data Available for past 5 Years	Medium	Phase 2
Admin	User Management	USN-5	Add,remove,or update users	Role based access control implemented	High	Phase-1
Dashboard User	Visualization in Power BI	USN-6	Display Interactive charts and Graphs	Charts are responsive and update automatically.	High	Phase 1