Project Design Phase-II
Data Flow Diagram & User Stories
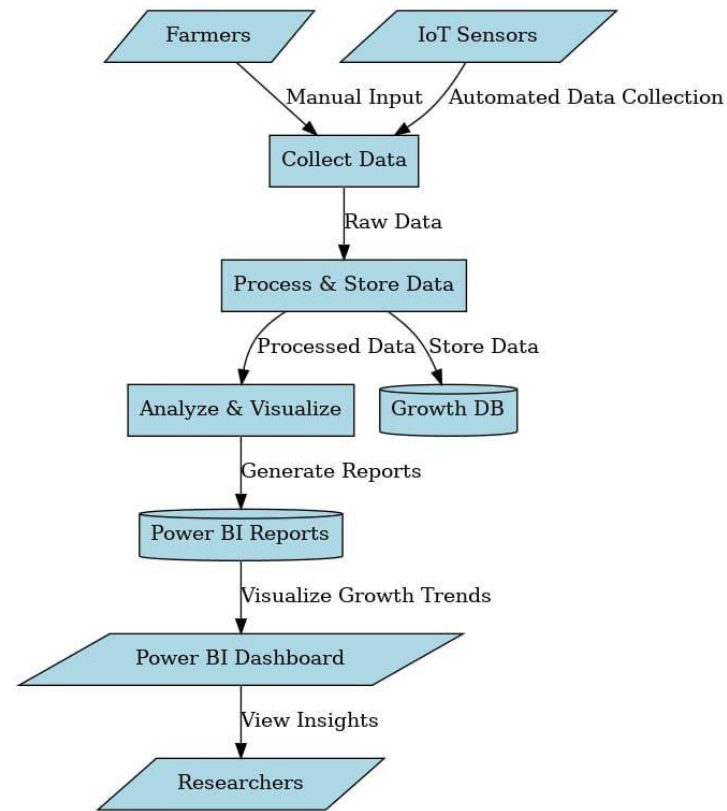
Date	30 January 2025
Team ID	PNT2025TMID06970
Project Name	Prediction plant growth stages with environment and management data using power BI
Maximum Marks	4 Marks

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.

Example: [(Simplified)](Simplified)

Data Flow Diagram:

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	-	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	-	High	Sprint-1
	Dashboard	-	-	-	-	-
Customer (Web user)	-	-	-	--	-	-
Customer Care Executive	-	-	-	-	-	-
Administrator	-	-	-	-	--	-
Agronomist / Researcher	Data Ingestion	USN-1	As a researcher, I can upload environmental and management data into Power BI.	I can see my uploaded data in Power BI for analysis.	High	Sprit-1
User Type	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Acceptance criteria**	**Priority**	**Release**

		USN-2	As a researcher, I can integrate IoT sensor data for real-time monitoring of environmental conditions.	IoT data is visible in Power BI dashboards.	High	Sprit-2
Farm Manager	Visualization & Analysis	USN-3	As a farm manager, I can view plant growth stages predicted based on environmental factors.	I can see visualized predictions for each crop cycle.	High	Sprit-1