

## Project Design Phase Solution Architecture

Date	24 March 2025
Team ID	PNT2025TMID06795
Project Name	<b>Global Food Production Trends and Analysis A Comprehensive Study from 1961 to 2023 Using Power BI</b>
Maximum Marks	4 Marks

### Solution Architecture:

The solution architecture for **Global Food Production Trends and Analysis** integrates historical and real-time data from sources like FAO, IoT sensors, and weather APIs. Data is ingested, cleaned, and processed using AI/ML models for predictive analytics and anomaly detection. Power BI dashboards provide dynamic visualizations, enabling researchers, policymakers, and agribusinesses to make data-driven decisions.

### Example - Solution Architecture Diagram:

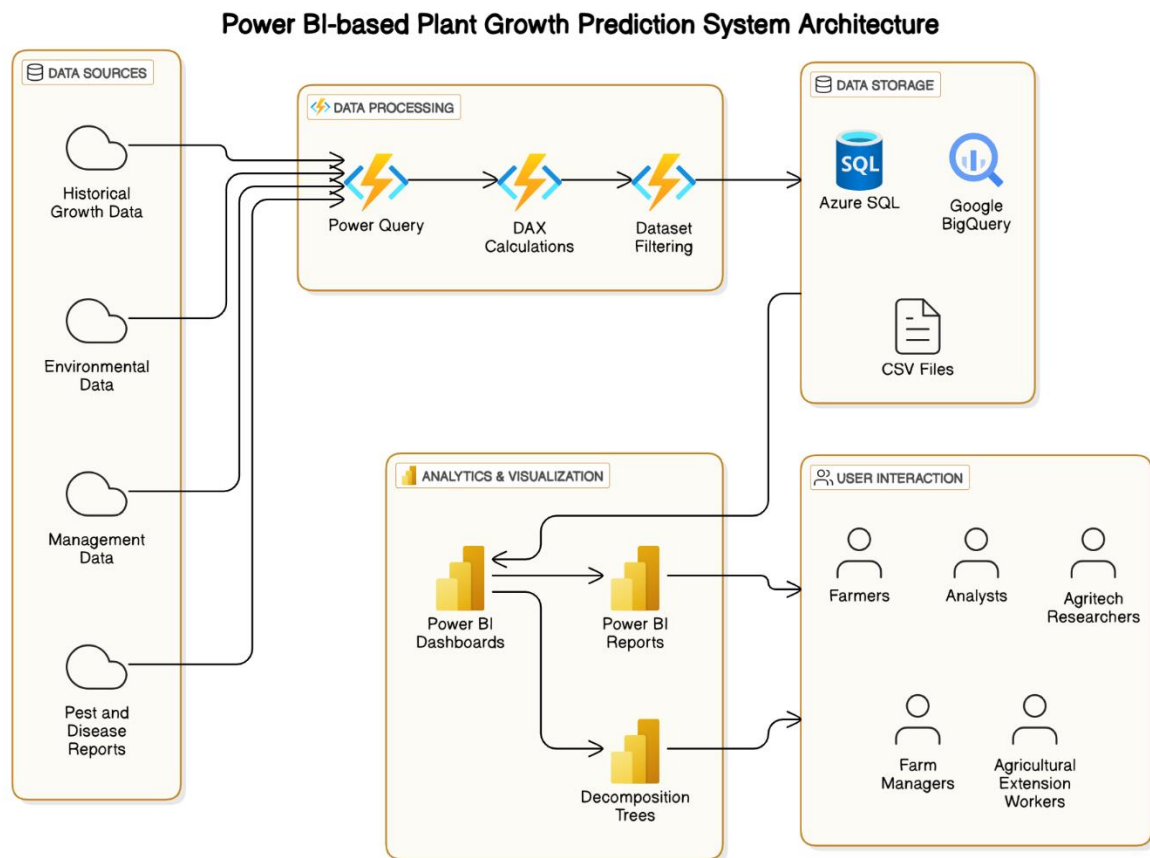


Figure 1: Architecture and data flow of the voice patient diary sample application