

Project Design Phase Solution Architecture

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| Date | 23 March 2025 |
| Team ID | PNT2025TMID06908 |
| Project Name | Predicting Plant Growth Stages with Environmental and Management Data |
| Maximum Marks | 4 Marks |

Solution Architecture:

Solution architecture defines the **end-to-end technical implementation** of the project, ensuring seamless integration between **data sources, processing, analytics, and user interaction**. This architecture helps in **analyzing environmental and management data** to predict **plant growth stages**, allowing farmers and agritech companies to optimize crop yield and sustainability.

Example - Solution Architecture Diagram:

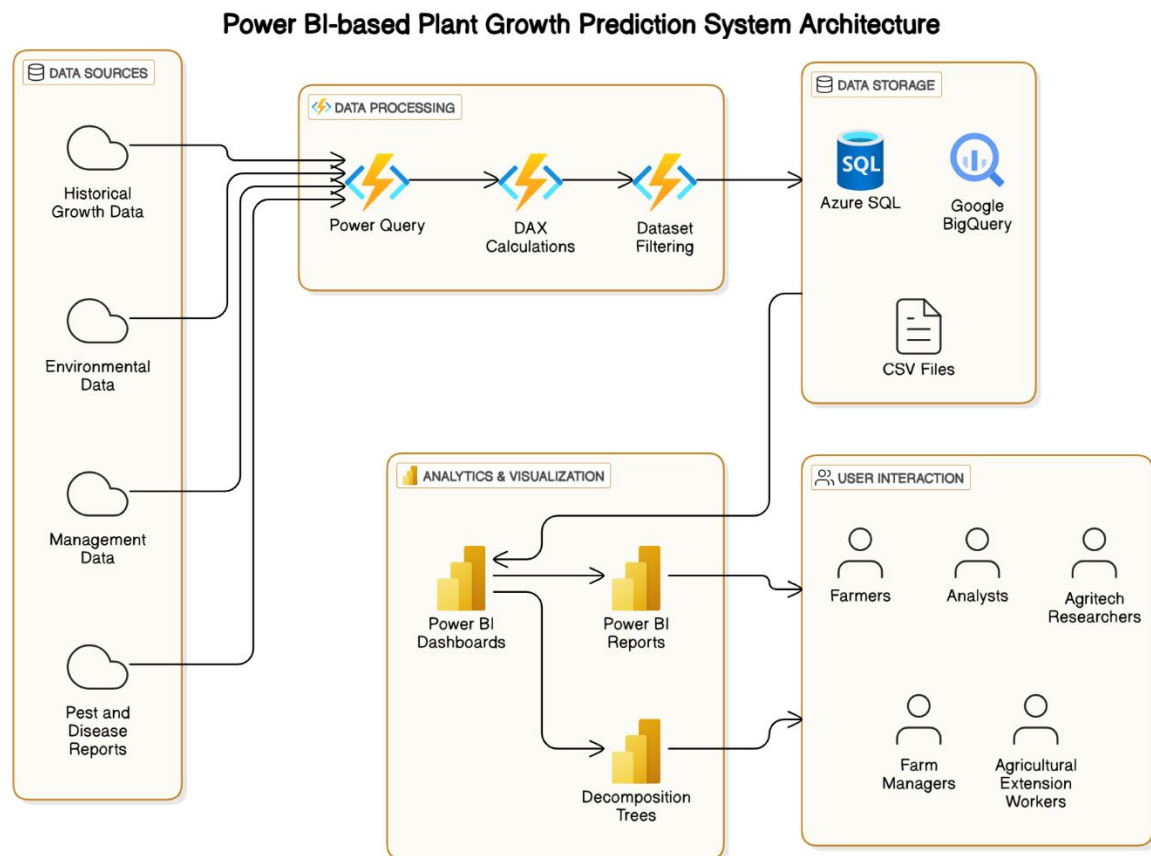


Figure 1: Architecture and data flow of the voice patient diary sample application