Dashboard Design

Date	26 July 2025
Team ID	
Project Name	Predicting plant growth stages with environmental and management data using power bi
Maximum Marks	5 Marks

Creating an effective dashboard involves thoughtful design to ensure that the presented information is clear, relevant, and easily understandable for the intended audience. Here are some key principles and best practices for dashboard design

Activity 1: Interactive and visually appealing dashboards
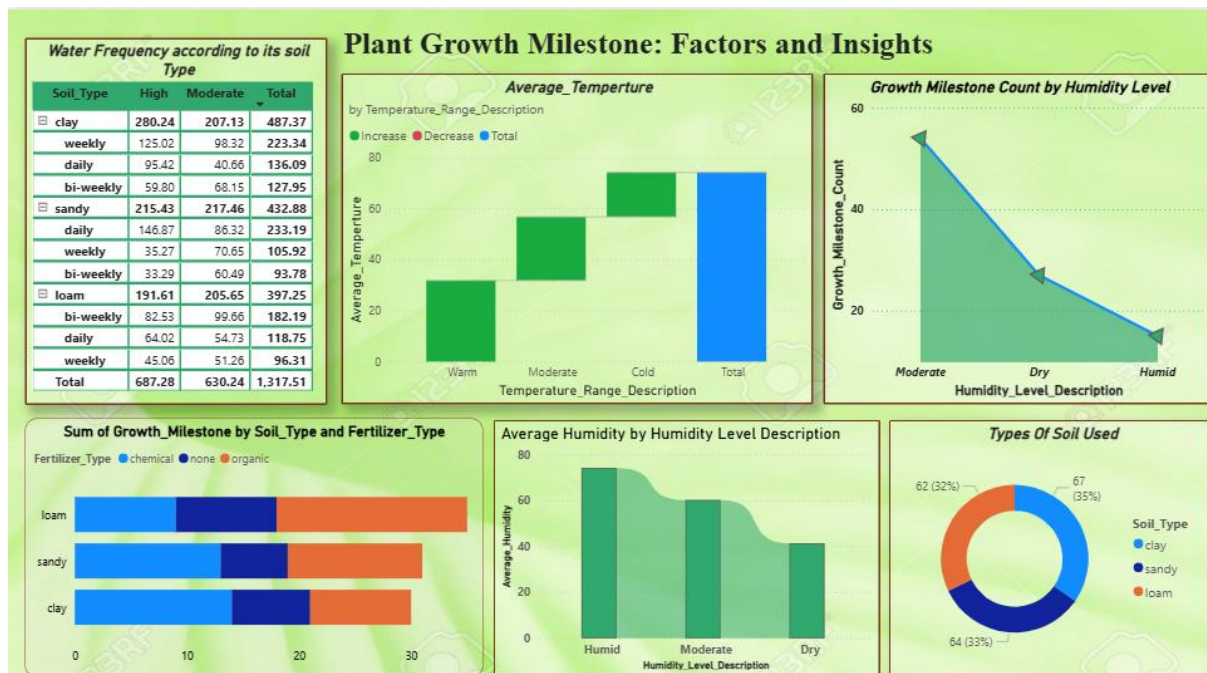
Key Outcomes from the Dashboard

1. **Watering Needs by Soil Type:**
   Clay soil requires the most watering (**145 counts**), followed by loam (**118**) and sandy soil (**108**), indicating clay's higher moisture demand.

2. **Temperature and Plant Growth:**
   Plant growth is best in warm temperatures (**32°C**), while cold climates (**17°C**) show reduced growth.

3. **Key Influencer Analysis:**
   Temperature increase is strongly influenced by the **'Warm'** range, contributing an **8.7°C rise** that supports better plant growth.

4. **Fertilizer Effectiveness:**
   Chemical fertilizers lead to the highest growth milestones (**38**), followed by no fertilizer (**36**) and organic fertilizers (**22**), suggesting better short-term performance of chemical treatments.

5. **Humidity's Role:**
   Humid conditions show the highest average humidity (**~74%**), emphasizing their importance in plant development.

6. **Soil Type and Growth Milestones:**
   Loam soil supports the highest growth milestones (**35**), followed by sandy soil (**31**), confirming loam as the most growth-friendly soil.