Project Initialization and Planning Phase

Date	13-01-2026
Team ID	
Project Name	Plant_Growth_Analysis_PowerBI
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

The objective of this problem statement is to understand the challenges faced by agricultural stakeholders in achieving consistent and optimal plant growth. By clearly defining the customer problem, the project aims to design a data-driven Power BI solution that provides actionable insights into plant growth conditions.

I am	an agricultural manager responsible for monitoring plant growth across different environments
I'm trying to	identify the optimal combination of soil type, watering frequency, sunlight exposure, temperature, and humidity to ensure consistent plant growth.
but	I lack a consolidated and visual system that clearly shows how these environmental and management factors impact plant growth milestones.
because	the data is scattered and difficult to interpret without proper analytics and visualization tools.
Which makes me feel	uncertain and inefficient in making data-driven decisions to improve crop yield and resource utilization.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	I am a greenhouse owner aiming to improve crop productivity and sustainability.	I'm trying to understand which fertilizers, soil conditions, and climate ranges	But it is challenging to analyze large volumes of environ	Because there is no interactive dashboard or predictive view to highlight	Which makes me feel dependent on trial-and-error methods instead of reliable, data-backed decisions.

		contribute most to healthy plant growth.	mental data manually and derive meaningful insights.	growth patterns and milestones.	
PS-2	an agricultural manager responsible for monitoring plant growth across different environments	identify the optimal combination of soil type, watering frequency, sunlight exposure, temperature, and humidity to ensure consistent plant growth.	I lack a consolidated and visual system that clearly shows how these environmental and management factors impact plant growth milestones.	the data is scattered and difficult to interpret without proper analytics and visualization tools.	uncertain and inefficient in making data-driven decisions to improve crop yield and resource utilization.