

## Project Initialization and Planning Phase

Date	25 July 2025
Team ID	Vinayak Garg
Project Name	<b>Predicting Plant Growth Stages With Environmental And Management</b>
Maximum Marks	3 Marks

### Define Problem Statements (Customer Problem Statement Template):

ABC Greenhouses has been facing challenges with inconsistent plant growth across its different greenhouse locations. By leveraging Power BI, the company plans to identify the best combination of soil type, sunlight hours, and watering frequency that leads to the highest growth milestones. The decomposition tree will help break down growth milestone counts by these factors, revealing that loam soil combined with daily watering and 6-8 hours of sunlight yields the best results. This insight will enable ABC Greenhouses to standardize these conditions across all locations, improving overall plant health and productivity.

<b>I am</b>	Describe customer with 3-5 key characteristics - who are they?	Describe the customer and their attributes here
<b>I'm trying to</b>	List their outcome or "job" the user wants - what are they trying to achieve?	List the thing they are trying to achieve here
<b>but</b>	Describe what problems or barriers stand in the way - what do they want to avoid?	Describe the problems or barriers that get in the way here
<b>because</b>	Enter the "root cause" of why the problems or barriers exist - what needs to be solved?	Describe the reason the problems or barriers exist
<b>which makes me feel</b>	Describe the emotions from the customer's point of view - how does it impact them emotionally?	Describe the emotions the result from experiencing the problems or barriers

Reference: <https://miro.com/templates/customer-problem-statement/>

I am	I'm trying to	But	Because	Which makes me feel
An organic farm owner	maximize yield in my organic crops	growth milestones vary and aren't reliable	I don't know the best temperature, humidity, and fertilizer combinations	disappointed and worried about productivity

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A greenhouse manager	achieve consistent plant growth across locations	I'm not getting uniform growth	I haven't identified the best combination of soil, water, and sunlight	frustrated and unsure about improvements
PS-2	An organic farm owner	maximize yield in my organic crops	growth milestones vary and aren't reliable	I don't know the best temperature, humidity, and fertilizer combinations	disappointed and worried about productivity