Ideation Phase
Define the Problem Statements

Date	19 March 2025
Team ID	PNT2025TMID06665
Project Name	**Predicting Plant Growth Stages with Environmental and Management Data**
Maximum Marks	2 Marks

Customer Problem Statement :

Here Is the Customer Problem Statement **Predicting Plant Growth Stages with Environmental and Management Data.**

Problem Statement (PS)	**I am (Customer)**	**I'm trying to**	**But**	**Because**	**Which makes me feel**
PS-1	A farmer managing multiple crop fields.	Improve plant growth and crop yield by optimizing soil, water, and fertilizer usage.	I lack **accurate, data-driven insights** to determine the best environmental conditions for different plant types.	Traditional farming methods rely on experience rather than **real-time analytics**.	Uncertain about **resource allocation** and frustrated with **inconsistent crop growth**.
PS-2	An agrotech company developing **smart farming solutions**.	Implement **data-driven decision-making** using **Power BI analytics** to support farmers.	Using available data, there is no clear way to visualize and predict plant growth stages.	Existing tools **lack integration** between environmental factors like **soil type, temperature, and water frequency**.	There is a need for an **interactive dashboard** that helps farmers optimize agricultural practices efficiently.