Ideation Phase
Define the Problem Statements

Date	14 March 2025
Team ID	PNT2025TMID06851
Project Name	Predicting Plant Growth Stages with Environmental and Management Data Using Power BI
Maximum Marks	2 Marks

Customer Problem Statement Template:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

Problem Statement (PS)	I am (Farmer)	I'm trying to	But	Because	Which makes me feel
PS-1	A farmer or agricultural researcher	Predict plant growth stages accurately using environmental and management data	The data is complex, and traditional analysis methods are time-consuming and error-prone	There are multiple factors like temperature, soil moisture, and fertilization that influence growth, making manual tracking inefficient	**Which makes me feel**: Overwhelmed and uncertain about making timely decisions
PS-2	An agricultural analyst or farm manager	Optimize crop yield by accurately forecasting plant growth stages using Power BI	Integrating diverse environmental and management datasets into a single	Data sources vary in format and quality, requiring significant preprocessing and expertise	Frustrated and concerned about inaccurate predictions affecting crop productivity

			predictive model is challengi ng		

Customer Problem Statement Template

I am	I'm trying to	But	Because	Which makes me feel
A farmer/resea rcher	Predict plant growth stages using data	Data complexity makes analysis slow and error-prone	Multiple factors influence growth, making manual tracking inefficient	Overwhelme d and uncertain
An agricultural analyst/farm manager	Optimize crop yield with predictive analytics	Optimize crop yield with predictive analytics	Data varies in format and quality, requiring intensive preprocessing	Frustrated and concerned about accuracy