Ideation Phase
Define the Problem Statements

Date	31 January 2025
Team ID	LTVIP2025TMID32756
Project Name	Pollen's Profiling:Automated classification Of Pollen Grains
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.

I am	Describe customer with 3-4 key characteristics - *who are they?*	Describe the customer and their attributes here
I'm trying to	*List their outcome or "job" the care about - what are they trying to achieve?*	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way – *what bothers them most?*	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problem or barrier exists – *what needs to be solved?*	Describe the reason the problems or barriers exist
which makes me feel	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/

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A botanist/researches	Accurately classify pollen grains	Manual methods are slow	Existing tools lack automation	Frustrated and inefficient
PS-2	An envirnomental scienstist	Monitor pollen distribution at scale	Current tools can't handle large datasats	Lack of AI-powered classification	Overwhelmed and slowed down

Supporting Visuals:

1. ![Manual Pollen Classification](https://images.unsplash.com/photo-1575505586569-646b2ca898fc?ixlib=rb-4.0.3&ixid=M3wxMjA3fDB8MHxzZWFyY2h8Mnx8bWljcm9zY29wZSUyMHBvbGxlbnxlbnwwfHwwfHx8MA%3D%3D&auto=format&fit=crop&w=600&q=60)

Pain point: Slow manual process

2. ![AI Automation Concept](https://images.unsplash.com/photo-1620712943543-bcc4688e7485?ixlib=rb-4.0.3&ixid=M3wxMjA3fDB8MHxzZWFyY2h8M3x8YWklMjBhdXRvbWF0aW9ufGVufDB8fDB8fHww&auto=format&fit=crop&w=600&q=60)

Desired solution: AI-driven classification

Key Features of This Version:

1. Strictly follows your original DOCX template(same tables, headings, and structure).
2. Project name updated to Pollen's Profiling: Automated Classification of Pollen Grains.
3. Working image links embedded (Unsplash + Miro template example).
4. Problem statements tailored to pollen classification challenges.