

Ideation Phase

Define the Problem Statements

Date	27 June 2025
Team ID	LTVIP2025TMID38971
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	<small>Describe customer with 3-4 key characteristics - who are they?</small>	Describe the customer and their attributes here
I'm trying to	<small>List their outcome or "job" the care about - what are they trying to achieve?</small>	List the thing they are trying to achieve here
but	<small>Describe what problems or barriers stand in the way - what bothers them most?</small>	Describe the problems or barriers that get in the way here
because	<small>Enter the "root cause" of why the problem or barrier exists - what needs to be solved?</small>	Describe the reason the problems or barriers exist
which makes me feel	<small>Describe the emotions from the customer's point of view - how does it impact them emotionally?</small>	Describe the emotions the result from experiencing the problems or barriers

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

Example:

Customer Problem Statement Template



I am

a passionate technology enthusiast and problem solver who wants to make a real impact in the agricultural and veterinary space through AI and innovation.

I'm trying to

develop an intelligent, mobile-based system that helps farmers diagnose poultry diseases early using machine learning and transfer learning techniques.

But

access to real-world datasets, domain expertise, and ensuring deployment in rural conditions (like low internet access) can be challenging.

Because

many farmers still suffer huge losses due to delayed or incorrect diagnosis, and existing veterinary services are either inaccessible or expensive, especially in rural communities.

Which makes me feel

motivated, responsible, and inspired to create solutions that are not just technically sound but also socially impactful and farmer-friendly.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a biology researcher or lab technician	quickly identify and classify pollen grains from images	it takes a lot of time and manual effort to analyze each sample	traditional methods require expert knowledge and are prone to human error	frustrated, delayed in research
PS-2	an environmental monitoring expert	track pollen types accurately for allergy forecasting	I can't always get timely, accurate data on different pollen types	current manual tracking lacks scalability and real-time capabilities	worried, inefficient, and less confident in reporting