

Ideation Phase

Define the Problem Statements

Date	24 January 2026
Team ID	LTVIP2026TMIDS55747
Project Name	Hematovision: Advanced Blood Cell Classification Using Transfer Learning
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/>

Customer Problem Statement Table

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A laboratory hematologist or technician working in a high-volume	Quickly and accurately classify white blood cell	The manual process is extremely slow and prone to	Manual microscopy requires intense focus and lacks automated	Stressed and concerned about potential diagnostic

	clinical setting.	subtypes to diagnose patient samples.	human error or fatigue.	consistency for large batches.	delays or inaccuracies.
PS-2	A medical doctor or pathologist in a resource-limited clinic.	Provide rapid diagnostic results to patients for conditions like infections or leukemia.	There is a shortage of expert specialists available to review every blood smear manually.	Advanced diagnostic equipment is often too expensive or computationally heavy for standard use.	Helpless and limited by the lack of accessible, fast, and automated tools.