Ideation Phase
Define the Problem Statements

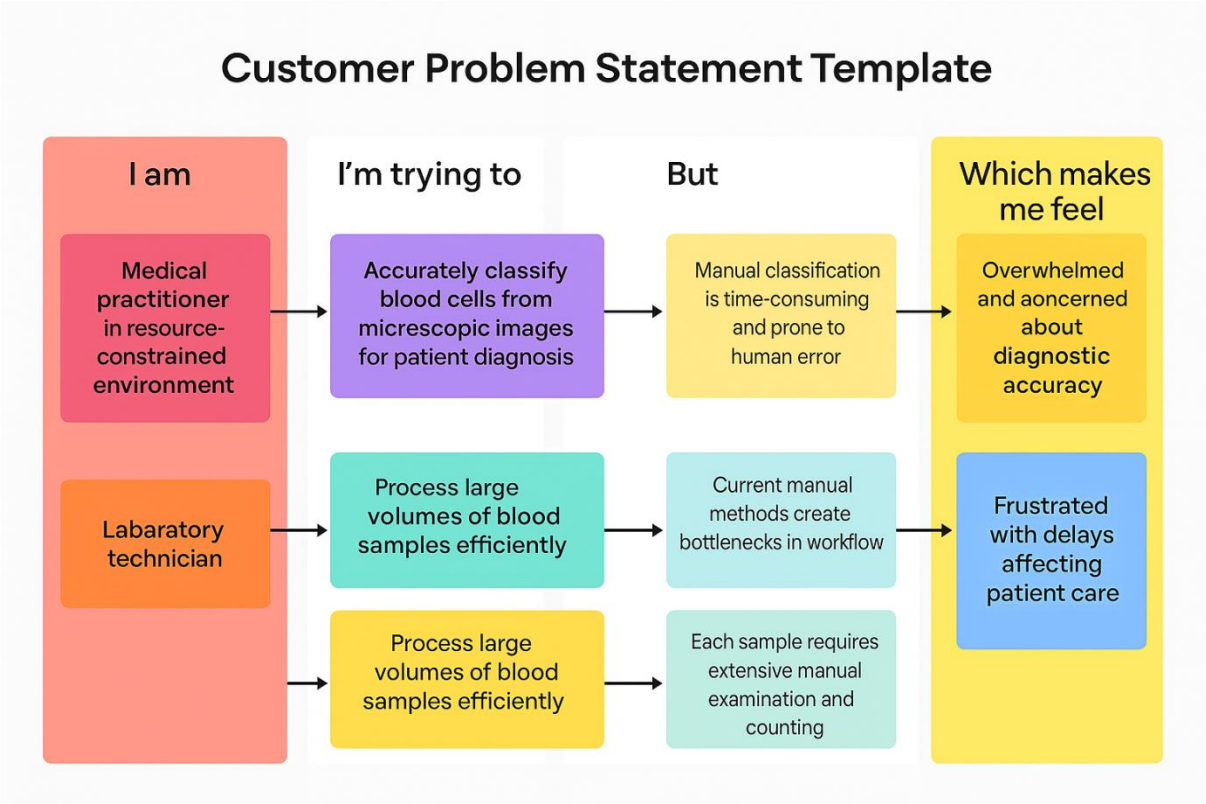
Date	27 June 2025
Team ID	LTVIP2025TMID59856
Project Name	HematoVision: Advanced Blood Cell Classification Using Transfer Learning
Maximum Marks	2 Marks

Customer Problem Statement Template:

How might we automate and accelerate the process of classifying the blood cell images with high accuracy using deep learning to assist medical practitioner in resourse contrained resource environment ? . This project uses transfer learning to build an image - based classification system that accurately identifies types of blood cells from microscopic images. This automation supports medical practitioners by enhancing diagnostic speed and accuracy, especially in resource-constrained environments where expert analysis may be limited.

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/



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Pathologist / Lab Technician	classify blood cell images quickly and accurately	the process is manual, slow, and depends on expertise	accurate classification requires trained experts	like I'm overwhelmed
PS-2	Rural Clinic Doctor	diagnose infections using WBC counts from blood smears	there's no access to advanced diagnostic tools	I work in a resource-constrained environment	helpless and unsupported