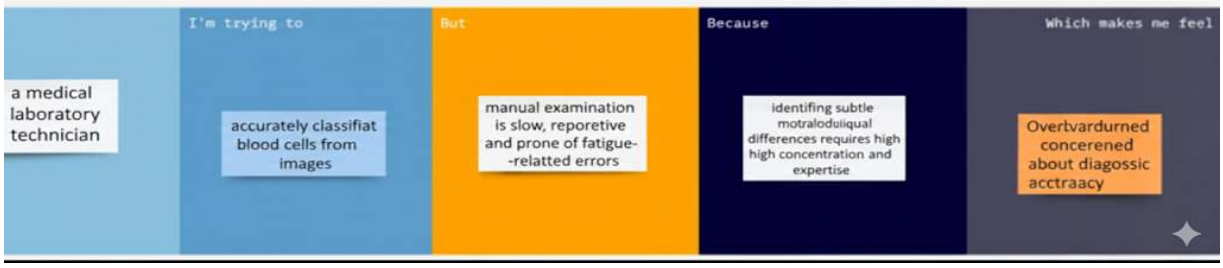
Ideation Phase

Define the Problem Statements

Date: 31 January 2025
Team ID:LTVIP2026TMIDS91486
Project Name: HematoVision – Advanced Blood Cell Classification Using Transfer Learning
Maximum Marks: 2 Marks

Customer Problem Statement Template



A well-defined problem statement clarifies the real challenge faced by users and ensures that the solution directly addresses meaningful needs rather than assumptions.

PS No.	User / Role	Goal / Trying to Do	Problem / But…	Reason / Because…	Feeling / Which makes me feel…
PS-1	Medical laboratory technician	Accurately classify blood cells from microscopic images	Manual examination is slow, repetitive, and prone to fatigue-related errors	Identifying subtle morphological differences requires high concentration and expertise	Overburdened and concerned about diagnostic accuracy
PS-2	Diagnostic laboratory / healthcare facility	Process large volumes of blood smear samples efficiently	Traditional analysis methods limit throughput	Expert review is time-intensive and resources are limited	Constrained by operational inefficiencies
PS-3	Clinician / healthcare provider	Obtain reliable blood analysis results quickly	Delays can occur in sample evaluation	Cell classification relies heavily on manual workflows	Concerned about timely decision-making