Ideation Phase

Define the Problem Statements

Date	27 February 2026
Team ID	LTVIP2026TMIDS79391
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.

This conversion is based on *inferred* customer challenges and pain points that such a technology would address.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A clinical pathologist/lab technician	Accurately and quickly classify different types of blood cells from a patient's sample	Manual classification is time-consuming and prone to human error, especially for rare cell types	High sample volumes and the complexity of distinguishing certain cell morphologies place a heavy burden on staff and can delay patient diagnosis	Stressed, pressured, and concerned about diagnostic accuracy and patient outcomes
PS-2	A medical researcher or AI developer	Build a highly accurate and robust blood cell classification model for a new clinical setting	I lack the massive, fully-labeled dataset required to train a deep learning model from scratch	Gathering and annotating enough diverse clinical images is resource-intensive, expensive, and time-prohibitive	Frustrated, delayed in research, and restricted in the ability to deploy the

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					advanced model