# Ideation Phase

## Framing the Problem Statements

Date: 31 January 2025

Team ID: LTVIP2025TMID42022

Project Title: Hematovision: Advanced Blood Cell Classification Using Transfer Learning

Maximum Score: 2 Marks

## Customer Problem Statement Format

Craft a problem statement from the customer’s viewpoint to better understand their needs. This format helps guide your team to focus on impactful solutions and deliver valuable experiences.  
  
A well-crafted customer problem statement plays a vital role in identifying optimal solutions to the user’s challenges. It also encourages empathy, allowing your team to see the product or service through the customer’s eyes.  
  
Reference: https://miro.com/templates/customer-problem-statement/

## Example of a Customer Problem Statement

"As a clinical pathologist, I want a faster and more reliable way to classify blood cells in microscopic images, but current manual methods are slow and error-prone, which leads to delays in diagnosis and potential treatment errors. This makes me feel stressed and concerned about patient outcomes."

## Sample Problem Statement Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Problem Statement (PS) | I am (Customer) | I’m trying to | But | Because | Which makes me feel |
| PS-1 | A clinical pathologist | Quickly and accurately identify types of blood cells from samples | Manual classification is time-consuming and error-prone | I have to analyze hundreds of samples daily, often under time constraints | Overwhelmed and concerned about diagnostic accuracy |
| PS-2 | A medical researcher | Train a reliable model to classify blood cells using real datasets | Existing models are either too generic or require vast labeled data | I need a model that can perform well even with limited specialized data | Frustrated by the lack of efficient, adaptable solutions |