**Ideation Phase**

**Define the Problem Statements**

|  |  |
| --- | --- |
| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID43759 |
| 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.

**Customer Problem Statement:**

| I am | I'm trying to | But | Because | Which makes me feel |
| --- | --- | --- | --- | --- |
| a medical lab technician | detect abnormal blood cells quickly and accurately | I can't classify cell types manually with high precision | I don’t have access to advanced diagnostic tools or expert hematologists | overwhelmed and worried about giving incorrect reports |

| **Problem Statement (PS)** | **I am (Customer)** | **I'm trying to** | **But** | **Because** | **Which makes me feel** |
| --- | --- | --- | --- | --- | --- |
| PS-1 | a medical lab technician | detect abnormal blood cells quickly and accurately | I can’t classify cell types manually with high precision | I don’t have access to advanced diagnostic tools or expert hematologists | overwhelmed and worried about giving incorrect reports |
| PS-2 | a pathology lab owner | automate blood smear analysis to reduce workload | existing manual workflows are slow and error-prone | I rely on human experts who are limited and overburdened | frustrated and concerned about scaling lab operations |