**Ideation Phase**

**Define the Problem Statements**

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| --- | --- |
| Date | 26/06/2025 |
| Team ID | LTVIP2025TMID33042 |
| Project Name | HematoVision-Blood Cell Classifier |
| Maximum Marks | 2 Marks |

**Section Overview** We begin by stating the core challenge HematoVision addresses, then break it down into customer-focused problem statements to pinpoint specific pain-points.

**The Problem**

Healthcare professionals and students in resource-limited labs spend significant time on manual microscopy to classify blood cells. This process is error-prone, lacks immediate feedback, and no affordable offline AI tool exists to streamline it—leading to diagnostic delays, frustration, and potential misdiagnoses.

**Customer Problem Statement (PS) Template**

Use this template to frame each problem from the user’s perspective:

| PS | I am (Customer) | I’m trying to | But | Because | Which makes me feel |
| --- | --- | --- | --- | --- | --- |
| PS-1 | A lab technician at a rural clinic | Classify blood cell images accurately | Manual microscopy is time-consuming and error-prone | There is no affordable AI tool available offline | Frustrated and under pressure |
| PS-2 | A medical student learning hematology | Practice identifying blood cell types | I lack immediate feedback on my classification accuracy | Conventional tools require expert supervision | Uncertain and anxious |

Reference: https://miro.com/templates/customer-problem-statement/