Project Design Phase Problem – Solution Fit Template

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

Purpose: • Validate that our offline AI tool truly solves the core pain-points of blood-cell classification in resource-limited labs.

- Identify existing behaviours and channels to accelerate adoption.
- Align metrics and messaging to customer needs.

Problem	Existing Alternatives	Solution Concept	Key Metrics
ner slide on manual	lab analyzers	An offline Flask-based desktop app (HematoVision) using a compact, transfer-learned CNN to deliver top-3 cell-type predictions with confidence scores, heatmap	 ≤ 5 s inference time ≥ 90 % top-1 accuracy PDF export ≤ 2 s ≥ 80 % user satisfaction

- > **References:** > 1. Problem–Solution Fit Canvas (IdeaHackers) >
- 2. HematoVision user research (Sections 2 & 3)