

Problem-Solution Fit Template

Date	10 January 2026
Team ID	LTVIP2025TMIDS66117
Project Name	Hematovision: advanced blood cell classification using transfer learning
Maximum Marks	2 Marks

This template helps to articulate and validate the fit between a defined problem and a proposed solution.

1. Problem Definition

1.1. The Problem

- **What is the core problem?** (Describe the pain point, unmet need, or challenge)
- **Who experiences this problem?** (Target user/customer segment)
- **How frequently do they experience it?**
- **What are the current workarounds or alternatives?**
- **What are the consequences of not solving this problem?** (Impact on users/business)

1.2. Problem Validation

- **Evidence of the problem:** (e.g., customer interviews, surveys, market research, data analysis, existing solutions' shortcomings)
- **Key insights from validation:**

- Is this problem significant enough to warrant a solution? (Why?)

2. Solution Definition

2.1. The Proposed Solution

- What is the core idea of the solution? (Brief, high-level description)
- How does it address the identified problem? (Specific features/functionalities)
- What makes this solution unique or better than existing alternatives? (Value proposition)

2.2. Solution Details

- Key features/components:
- User experience (UX) considerations:
- Technology/resources required:

3. Problem-Solution Fit Analysis

3.1. Alignment

- How directly does the solution solve the core problem?
- Does the solution address the most critical aspects of the problem?
- Is the solution desirable for the target users? (Why?)

3.2. Value Proposition Clarity

- Is the value proposition clear and compelling?

- **Can users easily understand how the solution benefits them?**

3.3. Feasibility & Viability

- **Is the solution technically feasible?**
- **Is it economically viable?** (Potential revenue, cost structure)
- **Are there any major risks or assumptions?**

4. Next Steps

- **What further validation is needed?** (e.g., prototyping, user testing, pilot programs)
- **Key metrics to track for problem-solution fit:**
- **Action items:**