Problem-Solution Fit Template

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| Date | 10 June 2025 |
| Team ID | LTVIP2025TMID41359 |
| Project Name | Hematovision: Advanced Blood Cell Classification |
| Maximum Marks | 2 Marks |

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

# Problem Definition

## 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)

## 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?)

# Solution Definition

## 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)

## Solution Details

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

# Problem-Solution Fit Analysis

## 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?)

## Value Proposition Clarity

* **Is the value proposition clear and compelling?**
* **Can users easily understand how the solution benefits them?**

## Feasibility & Viability

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

# Next Steps

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