**Project Design Phase**

**Problem – Solution Fit Template**

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| Date | 27 June 2025 |
| Team ID | **Team ID: LTVIP2025TMID42022** |
| Project Name | *Hematovision: Advanced Blood cell classification Using Transfer Learning* |
| Maximum Marks | 2 Marks |

**Problem – Solution Fit Template:**

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer’s problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

**Purpose:**

**✅ Solve Complex Healthcare Challenges:  
Traditional manual microscopic analysis of blood cells is time-consuming, error-prone, and heavily reliant on experienced professionals. Hematovision automates this task using transfer learning, enabling quicker and more accurate diagnostics.**

**✅ Faster & Smarter Solution Adoption:  
By using pre-trained deep learning models like ResNet or VGGNet, our system requires minimal data and training time, which accelerates deployment in medical institutions.**

**✅ Enhanced Communication Strategy:  
Clear diagnostic outputs, visual cell-type identification, and integration with existing medical workflows make Hematovision easy to explain, adopt, and trust.**

**✅ Increased Touchpoints & Trust:  
By solving recurring challenges in hematology labs—like misclassification of abnormal cells or delay in diagnostics—our system builds credibility and increases user satisfaction.**

**✅ Understand & Improve the Diagnostic Process:  
Through our AI-powered solution, we reduce dependency on human interpretation and allow better scalability in labs, especially in under-resourced regions.**

**Template:**

Calendar

Description automatically generated

References:

1. <https://www.ideahackers.network/problem-solution-fit-canvas/>
2. <https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe>