## Project Design Phase Problem – Solution Fit Template

Date	19 July 2025
Team ID	LTVIP2025TMID38062
Project Name	Traffic Telligence: Advanced Traffic Volume Estimation with Machine Learning
Maximum Marks	2 Marks

## **Problem – Solution Fit Template:**

Modern cities face increasing congestion, delays, and pollution due to inefficient traffic flow management. Traditional traffic monitoring systems (e.g., manual counting or basic sensors) are:

- Inaccurate during peak hours
- Costly to maintain
- · Unable to handle real-time decision-making
- · Not scalable for smart city planning

Moreover, accurate traffic volume data is crucial for:

- Urban planning
- Signal optimization
- Public transport scheduling
- Emergency response routing

## Template:



## References:

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