

**Project Design Phase**  
**Proposed Solution Template**

Date	29 June 2025
Team ID	LTVIP2025TMID41713
Project Name	TrafficTelligence: Advanced Traffic Volume Estimation with Machine Learning
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Accurate real-time estimation of traffic volumes is lacking, causing congestion and inefficiency.
2.	Idea / Solution description	Develop an ML-powered system that integrates live sensor, camera, and GPS data to predict and visualize real-time traffic volumes.
3.	Novelty / Uniqueness	Combines multi-source real-time data with innovative ML models for highly accurate, automated predictions.
4.	Social Impact / Customer Satisfaction	Reduces congestion, saves commuter time, improves urban planning, and enhances reliability for public and commercial users.
5.	Business Model (Revenue Model)	Subscription-based model for city authorities, premium dashboard services for logistics companies, API licensing for developers.
6.	Scalability of the Solution	Can be deployed in multiple cities or countries, easily integrates new data sources, and supports growing data volumes.