Project Design Phase-II

Data Flow Diagram & User Stories

Date: 27 June 2025

Team ID: LTVIP2025TMID35728

Project Name : : Traffictelligence:Advanced Traffic Volume Estimation With Machine

Maximum Marks: 4 Marks

Data Flow Diagrams: In the Traffictelligence system, data flow diagrams help us understand how data moves from one part of the system to another. First, traffic data is collected from various sources like CCTV cameras, sensors, or drones. This raw data flows into a processing unit where machine learning models clean, filter, and analyze it. The processed data is then sent to a prediction module that estimates traffic volume and detects patterns like congestion or peak hours. After analysis, the results are passed to a dashboard or application where users like traffic authorities or city planners can view the traffic insights. This smooth flow of data—from collection to analysis and finally to output—makes the whole system intelligent and useful for managing real-time traffic.

[Diagram Placeholder: Data Sources (Cameras, Sensors) →Preprocessing Unit →ML Model → Traffic Predictions → User Dashboard]

User Stories:

Use the below templates to list all the user stories for the product.