

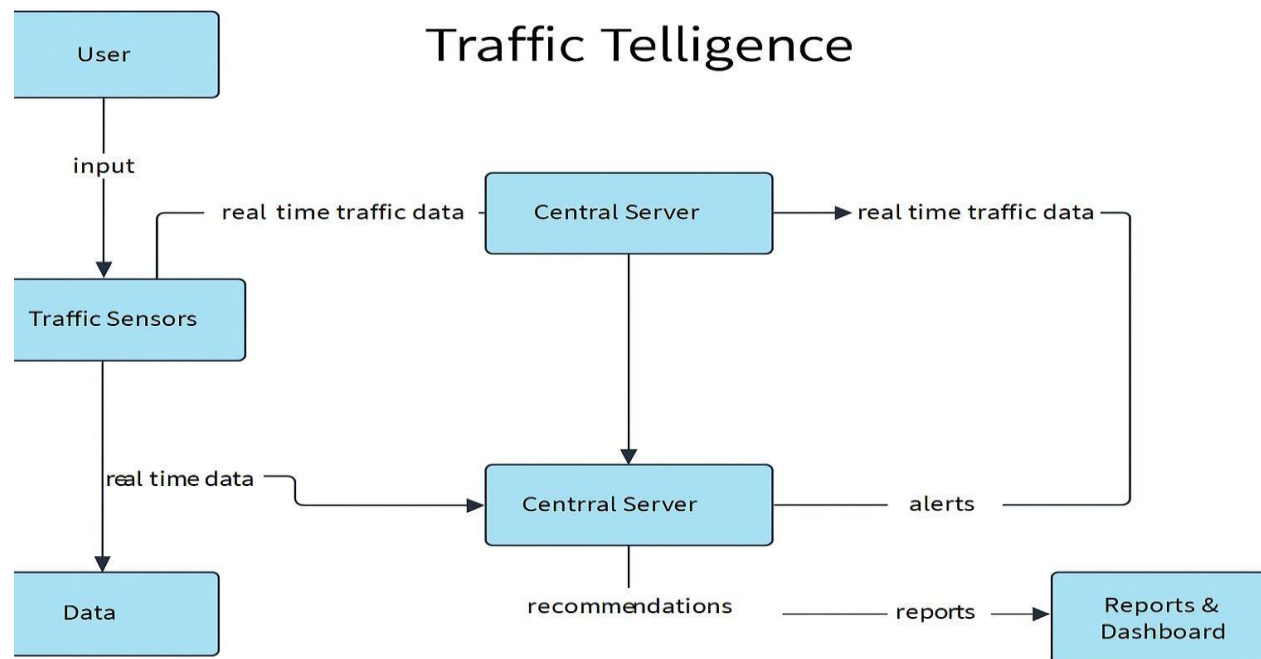
Project Design Phase-II

Data Flow Diagram & User Stories

Date	17 June 2025
Team ID	LTVIP2025TMID40962
Project Name	TrafficTelligence: Advanced Traffic Volume Estimation with Machine Learning
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Citizen (Mobile App)	Live Traffic Updates	USN-1	As a user, I can view live traffic congestion in my area.	I can see traffic intensity via colorcoded map	High	Sprint-1
	Navigation Suggestions	USN-2	As a user, I can get alternate route suggestions based on traffic conditions.	I receive real-time alternate route recommendations	High	Sprint-1
	Alerts & Notifications	USN-3	As a user, I receive notifications about roadblocks or accidents near me.	I get timely alerts for incidents affecting my route	Medium	Sprint-2
	Feedback System	USN-4	As a user, I can report traffic violations or signal failures via the app.	I can fill and submit a form; receive confirmation	Low	Sprint-2
Traffic Department	Traffic Monitoring	USN-5	As an officer, I can monitor real-time data from traffic signals and junctions	Dashboard displays live traffic metrics from various sensors	High	Sprint-1
	Automated Signal Control	USN-6	As an officer, I can enable autoadjustment of signals based on traffic patterns.	Signal timings adapt automatically with real-time congestion levels	High	Sprint-2
Administrator	User Management	USN-7	As an admin, I can manage user accounts and access roles.	Admin can create, update, or delete user accounts	Medium	Sprint-2
	Report Generation	USN-8	As an admin, I can generate daily and weekly traffic analysis reports.	System allows report downloads and email delivery	Medium	Sprint-2

