

## Ideation Phase

### Brainstorming

Date	28 JUNE 2025
Team ID	LTVIP2025TMID59766
Project Name	TrafficTelligence: Advanced Traffic Volume Estimation with Machine Learning
Maximum Marks	4 Marks

### Brainstorming

Brainstorming for TrafficIntelligence features in machine learning can focus on data-driven insights for predicting traffic patterns. Key features include historical traffic data (speed, volume, congestion), real-time sensor data (cameras, GPS), weather conditions, road incidents, and events. These features, when combined with machine learning algorithms, can enable accurate traffic forecasting, incident detection, and route optimization.

#### 1. Historical Traffic Data:

**Average Speed**

**Traffic Volume**

**Congestion Duration**

**Travel Time**

#### 2. Real-time Sensor Data:

**Camera Feeds**

**GPS Data**

**Road Sensors**

#### 3. External Factors

**Road Incidents**

**Events**

**Time of Day/Day of Week**

#### 4. Other Potential Features:

**Road Geometry**

**Network Topology**

**Social Media Activity**

**Parking Availability**

