**Ideation Phase**

**Brainstorming**

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| 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**

