

IDEATION PHASE

2.3 Brainstorming

Date	26-06-2025
Team ID	LTVIP2025TMID45015
Project Name	TrafficTelligence: Advanced Traffic Volume Estimation with Machine Learning
Maximum Marks	4 marks

During the ideation stage, various possible directions and enhancements were discussed to make the solution more impactful and realistic:

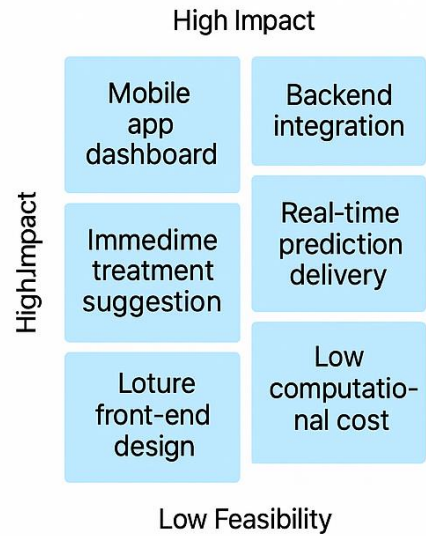
- Build a user-friendly UI for manual input of traffic-affecting conditions
- Train the model on multiple influencing features like time, temperature, rain, etc.
- Use real-time prediction through a lightweight Flask backend
- Host the application locally and later shift to cloud-based deployment
- Integrate historical trends for a better time-based analysis
- Expand functionality to include data visualization dashboards
- Make the UI responsive and scalable for mobile use
- Design for both commuters and municipal applications

TrafficTelligence

Brainstrorning

- Mobile app + AI-based traffic prediction
- Real-time prediction dashboard
- Real-time feedback mechanisms
- Scalable system architecture
- Future data integration dodular

Prioritization



Output Report

- Selected MVP Features
- Mobile app + AI-based traffic prediction
 - Real time fec-
 - Real-time tred-cisee mechanisms
- Features for Future Implementation
- Expanded data sources
 - Enhanc-ed user interface
 - Enhanced user interface