Date	25 June 2025
Team ID	LTVIP2025TMID32460
Project Name	**Traffic Telligence: Advanced Traffic Volume Estimation with Machine Learning**
Maximum Marks	4Marks

Empathy Map Canvas:

The Empathy Map Canvas for Traffic Telligence captures a deep understanding of our users—commuters, traffic authorities, and urban planners—by visualizing their behaviors, thoughts, feelings, and challenges related to daily traffic experiences. This tool helps our team empathize with users who face unpredictable traffic delays, inefficient route planning, and lack of real-time updates. By stepping into the users' shoes, we understand their desire for smooth commutes, smarter city infrastructure, and intelligent traffic management systems. Through this mapping, we uncover key insights that guide the development of a machine learning-powered solution capable of forecasting traffic patterns, dynamically adjusting traffic controls, and providing personalized travel recommendations. This empathy-driven approach ensures that TrafficTelligence delivers practical, user-centered outcomes that truly address the pain points of modern urban mobility

Empathy Map for Traffic Telligence

User Empathy
Core understanding of user needs

User Behaviors
Actions and habits of users

User Thoughts
Cognitive processes and beliefs

User Feelings
Emotional responses to traffic

User Challenges
Problems faced in daily commutes

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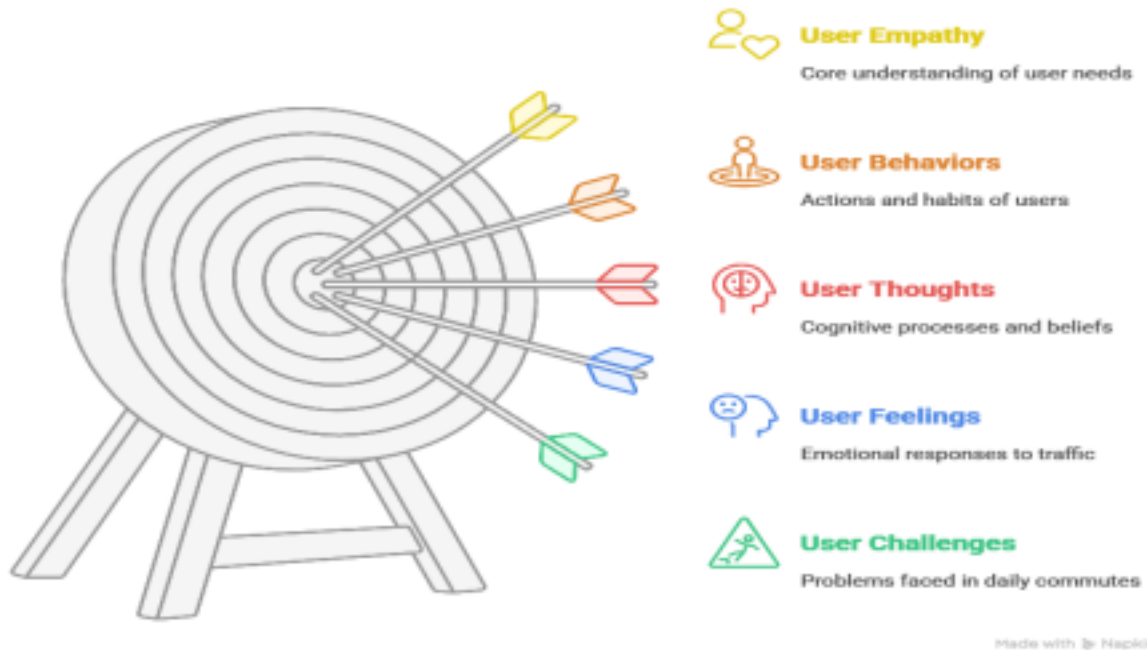
Traffic volume estimation Application

Unveiling Traffic Insights with Data Analysis

Traffic Volume Estimation

1. Accurate Passenger Data
2. Service Frequency Analysis
3. Improved Public Transport Efficiency
4. Enhanced Planning

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