# TRAFFIC MANAGEMENT

## PROBLEM STATEMENT:

★ **SMART TRAFFIC MANAGEMENT ISSUES**: Implementing technology like traffic cameras and sensors to monitor and control traffic in real-time.

**SOLUTION:** Smart Traffic Management: Implementing technology like traffic cameras and sensors to monitor and control traffic in real-time.Road Design: Designing roads with appropriate capacity and safety features.Traffic Education: Educating the public about safe driving and alternative transportation options.

★ **ROAD DESIGN ISSUES**: Designing roads with appropriate capacity and safety features.

**SOLUTION:** Widening Roads or Adding LanesExpanding road capacity by adding extra lanes or widening existing ones can alleviate congestion.

# DESIGN THINKING:

Understand the needs and pain points of commuters, pedestrians, cyclists, and drivers.Conduct surveys, interviews, and observations to gather insights into their experiences and frustrations with traffic.Clearly define the specific traffic management problem you want to address. For example, it could be reducing congestion at a particular intersection during rush hours.Create a detailed problem statement that includes the key issues and challenges.Brainstorm potential solutions to the defined problem. Encourage creativity and diverse perspectives.Consider both high-tech and low-tech solutions, and don't dismiss any ideas at this stage.

# PROJECT IDEA:

A smart traffic management idea that combines technology and data-driven approaches to improve traffic flow and reduce congestion:

Traffic Flow Prediction and Dynamic Routing System