

# **BENGALURU OPEN ISSUES**

**Mobility—related problems in Bengaluru**

**PRESENTED BY**

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# INTRODUCTION

Mobility-related problems

Sustainability

Traffic

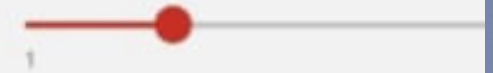
Connectivity

Infrastructure

## The cost of driving in rush hour

What was the yearly cost of driving in Bengaluru during rush hour? How much time did you spend driving, and how did it affect your finances and the environment?

One-way commute



Petrol Diesel EV

Travel time (yearly)

260<sub>h</sub>

time spent driving

134<sub>h</sub> due to congestion

Driving 10 km took on average: 37 min 20 s

What do commuters stand to **save per year** by adjusting their travel habits (for a 10 km commute in **Bengaluru**)?



One day of working from home (Fridays)

52 hours

201 kg



**BENGALURU HAD ONE OF THE HIGHEST ACCIDENT RATES IN THE COUNTRY AND WAS RANKED AS THE SECOND-WORST CITY IN INDIA FOR TRAFFIC CONGESTION IN 2022.**

## Problem : Condition of roads and infrastructure of Bengaluru.

### **Solution : Transforming transportaion**

Developing a metro system, railway transportation, and strong bus networks connecting major cities and commercial areas is a core strategy for controlling traffic.



## Problem : Rising number of private vehicles

### **Solution : Carpooling**

Car pooling should be promoted as an effective mode of transportation in the city. Many people traveling to the same destination can use the same car, it is the best way to avoid traffic and pollution problems, as well as save on gas and parking costs.

This process can be formal or informal and may include co-workers, neighbors, and strangers to meet through ridesharing or websites.



### ***Solution : Providing Company Buses for Long-Distance Employees***

Providing working buses is a form of transportation that organizations can use as part of employee benefits or as a way to reduce traffic and promote good transportation.

Providing transportation also saves employees from transportation costs such as fuel, parking and vehicle maintenance. This can be of great benefit to employees, increasing employee satisfaction.



### ***Solution : Hybrid work model is the future of workplace***

The hybrid model of work, which combines remote work and in-person work, has potential to reduce traffic congestion in Bengaluru. With fewer people travelling to their workplaces everyday, the overall volume of traffic on the roads may decrease. This could also result in reduced air pollution and improved air quality.



## ***Solution : Bicycle mobility in urban Bengaluru***

In urban areas, especially in cities like Bengaluru where traffic congestion is a major issue one possible solution could be introduction of shared bike projects, which can be managed by private technology companies. Shared bike projects have the potential to address several urban mobility issues, including traffic congestion, affordability, and sustainability. However, careful planning and community engagement are essential to ensure their success. The Chinese model of shared cycling through mobile apps could be an inspiration for similar project in Bengaluru.



# Other Traffic Taming Tactics under an Umbrella:

1. "Automated traffic enforcement" or "photo enforcement." : The cameras capture images of vehicles that violate traffic laws, and the system automatically issues tickets to the registered owner of the vehicle.



2. **Congestion Pricing**: Road pricing schemes that charge drivers to enter certain roads during peak hours or areas with high traffic. The water tanks and driving lesson classes should be charged extra during peak hours.

3. In places with **high tourism**, individuals traveling alone should be charged extra fees for parking and transportation. This would encourage people to go out in groups, promoting community development.

4. To reduce **illegal parking**, **strict surveillance** laws should be implemented. Buses and other public transport vehicles should be penalized for blocking the side of roads while picking up passengers in areas prone to traffic.





# Thank you



for providing us with the opportunity to participate in this hackathon. We are grateful for the experience and the chance to work with other talented students to develop innovative ideas.