



Team: NotAgain

Kaustubh Trivedi
Saurabh Singh
Kaaira Gupta
Aseem Verma
Divyanshu Setia

Tools and Languages Used:

- Android Studio
- Java, Kotlin & XML
- OpenCV
- Python
- Firebase
- Anaconda
- Maps API

Problem Statement

Ever increasing population and vehicles combined with poor road conditions in India, calls for a better automated Traffic Assistance.

Our product ALTERNATE extends from end-user app to backend and tackles the following problems:

- Congestion due to poor traffic distribution.
- Failure of the *EMERGENCY VEHICLES* due to time constraints.
- Bad road conditions result in accidents improper route selections.

Alternate

- Smart traffic lighting for regulating traffic flow using ML and indigenous algorithms.
- Pseudo Free-Way for ambulances.
- Live data with real time path optimisation.



Cost Effective

- No new infrastructure required.
- Our product will be installed in the existing street lights' models
- Government gives subsidies, hence startups can make huge profits.
- Supply chain will remain the same.

Sustainable

- Startups can make a lot of money out of it, because it is a self driven system. Due to recent push in global development of smart cities, government will be more than happy to provide subsidies for the same.
- Public will welcome the initiative as it makes their life easier.