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ABSTRACT

Bangalore is a city notoriously known for its lackluster traffic management. To travel from point A to B, vehicles spend an unnecessarily long time due to them being stuck in traffic. While this may be a mere nuisance for some, it is a nightmare for others. The true problem of Bangalore traffic is not the commotion itself, but the inefficiency that it permeates onto other domains of public welfare. Whether it be a house fire to be extinguished or a crime to be stopped, Bangalore traffic will always delay the actions that are needed to be executed.

Traffic systems play a huge role in mitigating the traffic from falling into complete chaos; however, they do not assist these 'priority' vehicles in getting through these jam-packed junctions. The project we propose demonstrates a change in this aspect: a traffic system that considers and aids these 'priority' vehicles in these crucial points to ensure the timely execution of public welfare. Using small-scale radars, the vehicles can notify the traffic systems of their priority and ensure the quickest exit for them considering the traffic present in the area.

The final product would be a combination of a simulation of our algorithm and an application to register the Emergency Vehicles. The culmination of the project will assist the priority vehicles in reaching the requisite locations in a timely manner to carry out their functions and reduce damage and casualties.