

Theme: - Smart Traffic Management

Project Title:- Smart Integrated Hardware & Software project to provide better pathway to incoming Emergency Vehicle

Software: -

1. JAVA
2. Adobe Xd
3. CSS
4. Html

Hardware: -

1. Arduino
2. Acoustic Sensor
3. 2.

Tech Stack:-

Basically, we are Creating an Application (named as HELPP temporary) in which when the person in need dial any emergency number either of Ambulance or Fire brigade when contact the person in charge. The person in charge will fill the form in our application with the number the person received call from and the address as given by the person in need. This will generate a onetime password which will be then given to the vehicle operator present at that moment. Then the vehicle will be embedded with a GPS in which as soon as one-time password is entered the given location will start showing on GPS and driver have to just follow it. The app will also send a message to user with a link in which user can-do real-time monitoring of the vehicle.

Now When in GPS the ambulance will be 1km away from the Traffic light the digital light added in traffic light will turn into green symbolizing that an emergency vehicle is away at 1km so the public there and police in charge in there can take action to clear the traffic in best possible way to provide pathway to coming emergency vehicle.

Idea:-