**SMART TRAFFIC MANAGEMENT SYSTEM:**

**Problems:**

1) In current scenario one of the serious concerns for people in smart cities such as Delhi, Bangalore, Mumbai, Hyderabad etc., is traffic congestion. This has turned out to be a daily problem in current time. Due to this road congestion accidents in the city have been raised to a great extent so lives lost due to accidents are even more crucial.

2) Due to this congestion on the roads, emergency vehicles such as ambulances, fire-cars and other vehicles cannot reach on time.

3) This results in huge loss of life.

4) This can save their time expansion for reaching the proposed destination and can prevent the loss of human life up to great extent.

**Solutions:**

1) Through the use of IoT enabled technology we can solve these issues by creating "Green Corridors" for emergency vehicles.

2) The system gives emergency vehicles the benefit of green corridor and reach destination on time.

3) The RFID reader scans the RFID tag applied on the ambulance and updates the upcoming traffic light to switch to green and displays a message to vehicles ahead of ambulance to provide a "Green Corridor" by shifting other lanes.

Diagram

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Diagram

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1. This paper proposes a novel technique for clearance of emergency vehicle termed as Green Corridor. Proposed system covers two different scenarios for the movement of emergency vehicle on road.
2. When the vehicle moves the nearby the signal the signals will turn to green depending on green corridors as shown in the fig above.
3. Here we are using RFID sensors, it is used to get the live status of that vehicle to Central traffic management system.
4. In this scenario emergency vehicle sends a request for green corridor to CTMS. The request message consists of three information fields namely, Unique Vehicle Identity (UVId) and coordinates of source and destination.
5. After the approval of green corridor, CTMS send UVid (unique vehicle id) information to all TPs. On receiving the UVId, all the TPs turn the traffic signal green, thus creating a green corridor.

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