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Emergency Vehicles Assistance System

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Abstract: *The growth of industrialization and urbanization has result in associate huge increase within the population invariably leading to rise within the variety of vehicles on road. The ensuing traffic congestion and traffic jams are the most important hurdles for emergency vehicles like ambulance carrying important patients as these emergency vehicles aren't able to reach their destination in time, ensuing into a loss of human life. To solve this drawback to some extent we've got apparently come back up with Smart ambulance using IR sensors for ambulance. The proposed system clears the tie up by turning all the red lights to green on the trail of the ambulance, hence helping in clearing the traffic and providing means towards its destination. The system consists of associate android application which registers the ambulance on its network.*

In case of emergency scenario, if the car halts on its means, the application sends associate emergency command to the traffic signal server and additionally the direction wherever it needs to move with this position with the assistance of world Positioning System (GPS). The closest signal is known Based upon this position of the ambulance. And that particular signal is formed green until the ambulance passes by and later it regains its original flow of management. During this way it acts sort of a lifesaver project because it saves time throughout emergency by dominant the traffic lights.[4].

Keywords: Software-Defined Networking, Internet of Things, Quality-of-Service, Routing

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