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AUTOMATIC AMBULANCE RESCUE SYSTEM

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ABSTRACT

Modern metropolitan regions are known for having significant issues with tidal flow management and traffic congestion. Additionally, there are a lot of traffic accidents in the city, making it even more important to prevent fatalities from these incidents.

The green corridor idea is one way to expedite organ transplants and save lives. The green corridor idea is one way to expedite organ transplants and save lives.

1. INTRODUCTION

These days, a major issue in many places is traffic congestion, which puts patients in ambulances that go through congested areas at risk. There are instances when there is increased traffic and an ambulance is stopped. Thus, the patient in the ambulance may not survive or may suffer significant injuries. We must efficiently control traffic if we want to save the patient's life. In this case, the ambulance may travel smoothly to the hospital thanks to the green corridor system. The message "Ambulance approaching" should appear on the display board if the vehicle is approaching from a distance of 1000 meters.in order for those in the traffic to make room for the ambulance to travel to the hospital. This system's primary goal is to regulate the traffic signa. This alert appears prior to the ambulance arriving. Due to the ambulance's delayed arrival at the hospital during golden hour, lives are lost.

2. LITERATURE SURVEY

In order to facilitate an easy escape from traffic jams, Vanjale et al. [1] have proposed an RFID-based system that controls and maintains traffic lights at intersections when an emergency vehicle approaches. This essay suggests a method that manages traffic signals to ensure that an emergency vehicle arrives at a designated location. GPS is used to track the ambulance case. The application receives this location. With the use of this data and the Google map, the application runs the algorithm. It manages the signals that are in its route. In order to prevent mental confusion among those waiting at stoplights, they also added a blue light to the stoplight.

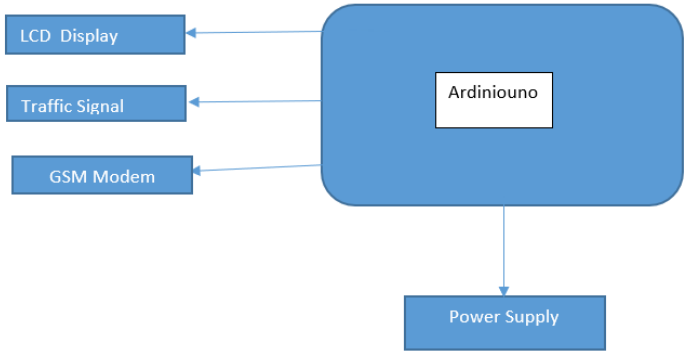
Problem Statement:

When there is more traffic, more lives are lost because those stuck in it are unaware that an ambulance is on its way.They are unable to clear the traffic as a result.If they are aware that an ambulance is on its way, they will move aside to allow the vehicle to arrive at the hospital on time.It's not like that here, though.In order to save the patient's life, we must alert the surrounding area that an ambulance is approaching from a distance of 1,000 meters, so please move aside.

Proposed System:

This system is controlling the traffic signals and achieving the above-named task in order that the ambulance would be able to cross all the traffic junctions without waiting. The ambulance is radio-controlled to the hospital by the server through the shortest route. The vehicle unit put in within the vehicle senses the accident and sends the location of the accident to the most GSM.

Block Diagram:



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3. CONCLUSION

In this paper we have designed an automatic ambulance rescue system which enables the ambulance to reach the exact accident site within the minimum amount of time using prioritized traffic switching control method. In our proposed system the ambulance is guided to the accident spot. The sensor installed in the vehicle senses the accident and GPS tracks the location of the accident.it send the location of the accident through GSM. Hence wireless technologies are used to transfer information.

4. REFRANCES

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