**AN EFFICIENT HEALTHCARE MONITORING AND PRE-EMPTIVE AMBULANCE CONTROL THROUGH**

**TRAFFIC SIGNALS**

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**PROBLEM STATEMENT:**

Traffic jams is one of the crucial issue in India due to which ambulance services get affected on large amount, due to delay in ambulance service, patient may lose his life and number of these scenarios are getting increased day by day.

Also once a patient is arrived to the hospital it take some time to create a report and data for that patient, these all things plays a major time in the patient’s life going situation.

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**ABSTRACT:**

Traffic jams is one of the crucial issue in India due to which ambulance service get affected on large amount. We have notice these issues and brought a novel and simple solution, at minimal cost project. This project is concentrated on the stretcher which has collection of **sensors**, and retrieves all physical data of the patients and sends to the hospital via **IOT** techniques. This project also consider the traffic jam during an emergency situation, which was overcome by giving the signal controlling access to authorized ambulance driver, who will be noticed about all the **signal** which is upcoming on his way to his **android** phone via **app** and he can turn the signal green in which direction he want to move. The project is also concern about security through **encryption** mechanism .The precedence of the signal is given to ambulance driver first, and then normal function carried out. As soon as the patient arrive to hospital, the data for the patient is needed to be entered, in this case, as all the information sent as a **live data** by monitoring patient via IOT, a **report** is generated in the hospital automatically. This project consists of temperature, pressure**,** pulse, NRF, Bluetooth, gas sensors, and web server for IOT, and mobile app for signal controlling.

**Keywords :** sensors, IOT, signal, android, app, encryption, live data, report.

**Cost Estimation :** 2500rs