**INNOVATIVE CONGESTION CONTROL SYSTEM FOR AMBULANCE**

**AIM:**

The main aim of this project is to control the traffic whenever the AMBULANCE vehicle will come in that way.

**PURPOSE:**

The purpose of this project is to overcome the draw backs in the normal traffic controlling system and to design traffic controlling system to enter the KEYS which overcomes the problem of heavy traffic in the cities for AMBULANCE.

**BLOCKDIAGRAM:**

**SIGNALLING SYSTEM**

**LCD**

**DECODER**

**RF RECEIVER**

**POWER SUPPLY**

**MICRO**

**CONTROLLER**

**(AT8952)**

**REMOTE SECTION:**

**RF TRANSMITTER**

**BATTERY**

**ENCODER**

**KEYS**

**POWER SUPPLY:**

**Regulator section**

**Filter**

**Circuit**

**Bridge**

**Rectifier**

 **Step Down**

**Transformer**

**DESCRIPTION:**

The main objective of this project is to control the traffic, whenever any time any AMBULANCE is coming in that way by using RF TRANSMITTER section send the message to that RF RECEIVER. RF RECEIVER will receive that information given to the micro controller, in that particular way green light will be ON for clearing the traffic and remaining ways stopped by indicating red light. Whenever AMBULANCE entering in that particular way then entered the keys for exiting in that way then also they can enter the keys. The same procedure will be followed by four sides of the road. The signaling from the four sides will be taken into consideration.

**SOFTWARE USED:**

1. Embedded C,
2. Keil IDE
3. Express PCB

**HARDWARE USED:**

1. Micro controller(AT89S52)
2. Power supply
3. LCD
4. RF TRANSMITTER
5. RF RECEIVER

**RESULT:**

By implementing this project we can overcome the problem of heavy traffic in the cities when the AMBULANCE are arriving at the signals.