**ABSTRACT**

The rapid growth in the transport sector has resulted in an increase of the accidents every day. The accident mainly occurs due to our carelessness and breaking of traffic rules. The main goal of the proposed system is to avert collisions between vehicles mainly occurring in hairpin bends, short corners, blind curves, etc. By providing indication and making the vehicle driver’s alert. If any problems say, vehicle breakdown or repair of the vehicle, the interrupt signal will be sent to the control room thereby the problems can be solved. This system makes use of ultrasonic sensor and other embedded systems.

**KEY WORDS:**

* Ultrasonic transceiver (URS)
* Wi-Fi router (8266)
* AT89S52 microcontroller
* LED
* LCD
* Android mobile with APP

**Dept. of ECE, SVIET, NandamuruPage 1**

**OVERVIEW OF THE PROJECT MICROCONTROLLER**

**Dept. of ECE, SVIET, NandamuruPage 3**

**OVERVIEW OF THE PROJECT GSM MODEM**

**Dept. of ECE, SVIET, NandamuruPage 4**