



NARNARAYAN SHASTRI INSTITUTE OF TECHNOLOGY
(Department of Electronics & Communication)

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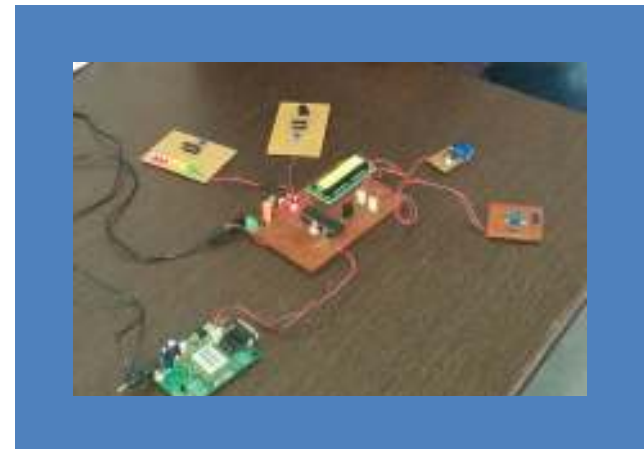
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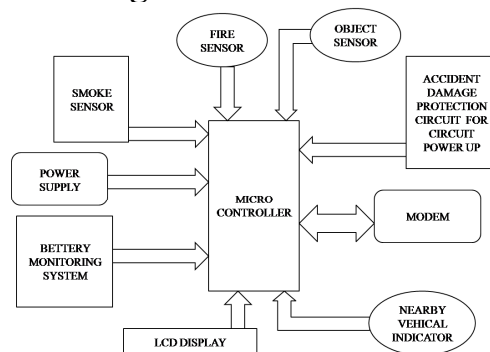
Project Title:- GSM BASED ACCIDENT ALERT WITH AUTOMATIC DIALER WITH MULTIPLE MONITORY FACILITIES.

Abstract:- Security is primary concern for Everyone .This Project describes the design of an effective alarm system that can monitor a vehicle with six different sensors Presence of any obstacle, smoke due to fire and can be monitored by the status of each individual sensor and is indicated with an alarm and dialer correspondingly. This alarm shows whether the sensor has been activated and whether there is a need for automatic dialing. The uniqueness of this project is not only alerting the driver, it also dials a mobile number which is already programmed into the system. A mobile number or a landline number can be programmed into the system. As this system works on existing telephone line, it can dial the number even the subscriber is out of station. Alarm and dialer are interfaced with the microcontroller 8051 from Atmel.This microcontroller provides all the functionality of the alarm and dialer. It also takes care of filtering of the signals at the inputs.

Project Photo:-



Block /circuit Diagram:-



Major Hardware components used:-microcontroller8051, Fire, object & smoke sensor , battery monitoring system, GSM modem

Software used:- keil 8051 microcontroller tools

Project Application:- In Automotive and transport vehicles,At parking-lots also, it may be used as a car-alarm system.