

Accident alert and vehicle tracking system

ajay_bhargav, Wed Jun 06 2012, 03:27 am

[Accident alert and vehicle tracking system](#)

This project is an intelligent Accident alert system which not only notifies accidental alert but also provides the exact location where the accident has taken place. This project is submitted by a young enthusiast [Pawan Kumar](#) from Chennai. This is the first ARM project submitted on our website

This project is basically built around the powerful ARM7 microcontroller by NXP LPC2148. A 3-axis accelerometer MMA8451Q connected over I2C bus is used detect the accident condition. On detection, ARM reads the current coordinates from the GPS module (MT3318 connected on uart) and send an SMS to a predefined number or a call center through SIM900 GSM modem. This sms carries location information so a quick help can be sent to save the victims.

Following is a quite explanatory video which shows the working model of the project. I am sure there are no more words needed to explain this project after seeing this video.

You can download this project here:

[Accident alert and vehicle tracking system](#)

Thank you Pawan for sharing this project with us.