

For more Project details visit:

<http://www.projectsof8051.com/sms-based-vehicle-theft-detection-and-controlling-system/>

Code	Project Title
1625	SMS based Vehicle Theft Detection and Controlling System

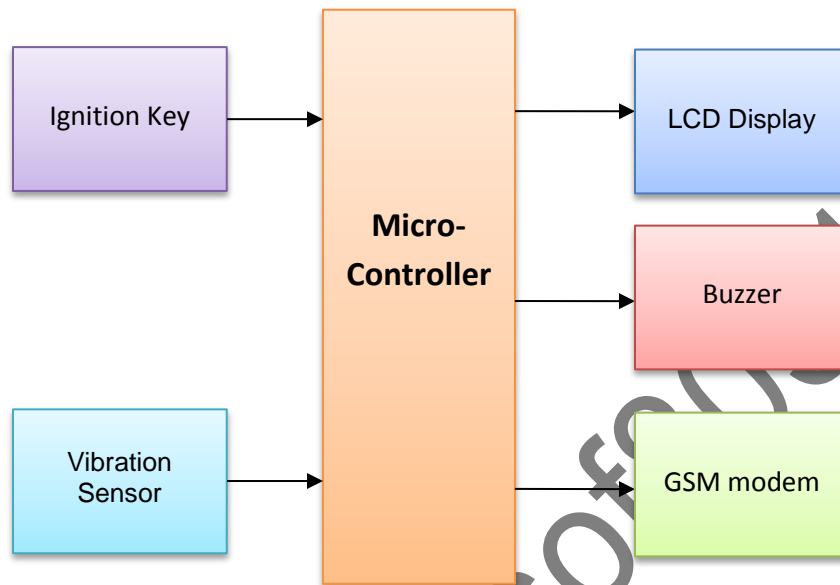
Synopsis for

## GSM based Vehicle Theft Detection system

### INTRODUCTION:

A major problem today for car owners is that they are in constant fear of having their vehicles stolen from a common parking lot or from outside their home. Microcontroller based real time vehicle theft detection and prevention system provide an ultimate solution for this problem. Research has shown that every day 2 vehicles are stolen from a state! That's why it's more important than ever to protect your vehicles with a stolen vehicle recovery system that is reliable and effective.

## BLOCK DIAGRAM



## BLOCK DIAGRAM DESCRIPTION

The main scope of this project is to send an alert message to authorized owner of the car when the vehicle is stolen. The project includes a GSM modem, microcontroller, buzzer and a vibration sensor to detect vehicle theft. When someone tries to steal the car then microcontroller gets an interrupt and orders GSM Modem to send the SMS, the owner receives a SMS that his car is being stolen through GSM Modem.

## APPLICATIONS:

- 1) This project can be used for cars as well as for bikes
- 2) This project can be used for the security of company buses
- 3) With little bit modifications this project can be used for the safety of our luggage or bags

## ADVANTAGES

- 1) SMS indication gives benefit of indication to user even if he is at a longer distance
- 2) This system is fully automated, so it does not require any human attention.

## FUTURE SCOPE

- 1) We can implement GPS modem to track the location of vehicle

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