

For more Project details visit:

<http://www.projectsof8051.com/vehicle-tracking-system-using-gps-and-gsm-modem/>

Code	Project Title
1801	Vehicle Detection with GPS and GSM modem

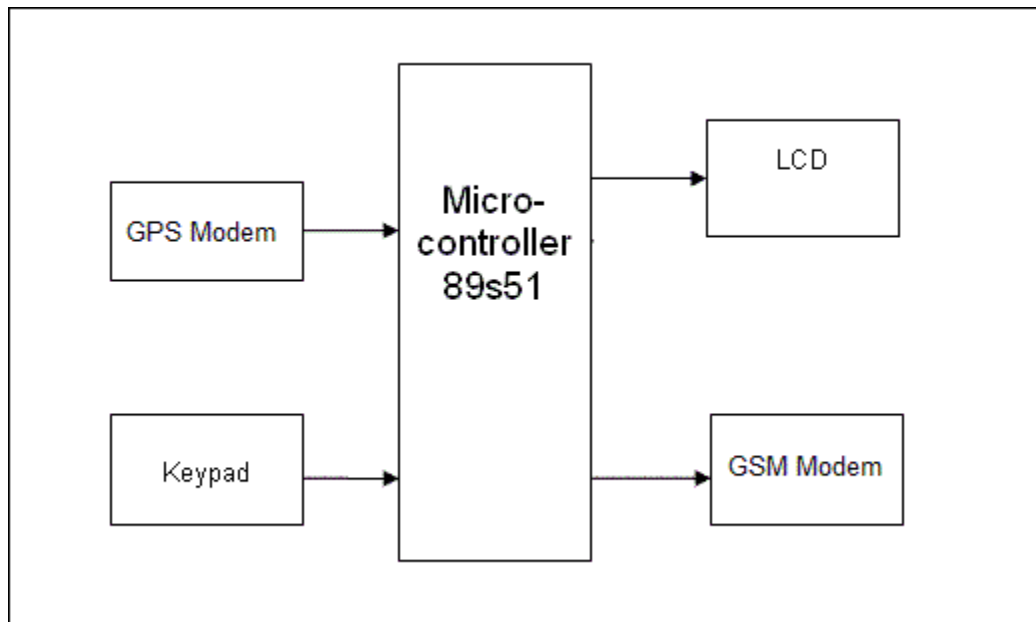
Synopsis for Vehicle Detection with GPS and GSM modem

1. Introduction

In Vehicle tracking project, can track the longitude and latitude of Vehicle This project gives Minute-by-minute updates about vehicle location by sending sms through GSM modem.

This SMS contains longitude and latitude of the location of vehicle. Microcontroller is the central processing unit CPU of our project. Microcontroller gets the coordinates from GPS modem and then it sends this information to the user in Text SMS. GSM modem is used to send this information via SMS. SMS will be sent to the owner of the vehicle.

2. Block Diagram



3. Description

Microcontroller is the central processing unit CPU of our project. Microcontroller gets the coordinates from GPS modem and then it sends this information to the user in Text sms. GSM modem is used to send this information via SMS. SMS will be sent to the owner of the vehicle.

This project consists of following blocks:

- 1) GPS Modem
- 2) GSM Modem
- 3) Microcontroller
- 4) LCD Display

Applications and Advantages:

- 1) School transport Tracking: "Vehicle tracking system" can be used in the school bus for tracking.
- 2) This project can be used for detection of cab or car of companies.
- 3) Theft Protection: This project can be very useful when your vehicle or car is stolen.

Future Development:

1. We can monitor some parameters of vehicle like overheat or LPG gas leakage
2. We can dial an emergency call if the vehicle goes out of a certain / pre-decided track.

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