

## VEHICLE THEFT INTIMATION OVER SMS AND REMOTE CONTROL OF ITS ENGINE

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### ABSTRACT

A vehicle tracking system is very useful for tracking the moment of a vehicle from any location at any time. And Efficiency tracking system is designed and implemented for tracking the moment of any equipped vehicle from any location at any time. The proposed system made good use of popular technology that combines a smartphone with an arduino, UNO. This easy to make an expensive compare to other. The designed in vehicle device works using global positioning system (GPS) and global system for mobile communications (GSM) technology that is one of the most common ways for vehicle tracking. The device is embedded inside a vehicle those positions is to be determined and tracked in real time. An arduino, UNO is used to control the GPS receiver and GSM module.

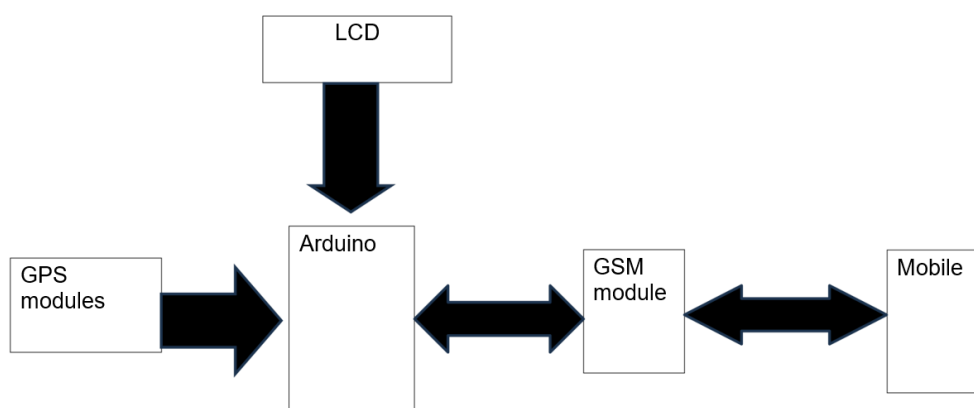
**Keywords:** Vehicle Tracking, GPS(Global Positioning System), GSM (Global System For Mobile Communications), Arduino.

### I. INTRODUCTION

Vehicle theft is become a matter of concern this days. In most cases the vehicle which is stolen is not traceable by the owner of the vehicle. So their is a demand for better security system. This project (GSM, and GPS, based advanced vehicles tracking system) presents a novel security system which makes use of GPS and GSM technologies. It is designed and developed to accommodate the need of today’s vehicle fleet company to keep track on their fleets. This chapter will be covering the general background of this project, the problem statement , aim and objectives, its significant and its scope and limitations.

### II. METHODOLOGY

The vehicle tracking system we designed and implemented consistent of different modules to make a complete system. Each of the modules consists electronic components that are put together the blog diagram of the tracking system is showing in 3.1 fig, which practically shows the overall views system. It consists of GPS modules, GSM modem, arduino, LCD display. The microcontroller is the central processing unit that is programmed to cont operations of other modules.



**Fig. 3.1: Block diagram of vehicle tracking system**

Circuit diagram 3.2:- ARDUINO SOFTWARE

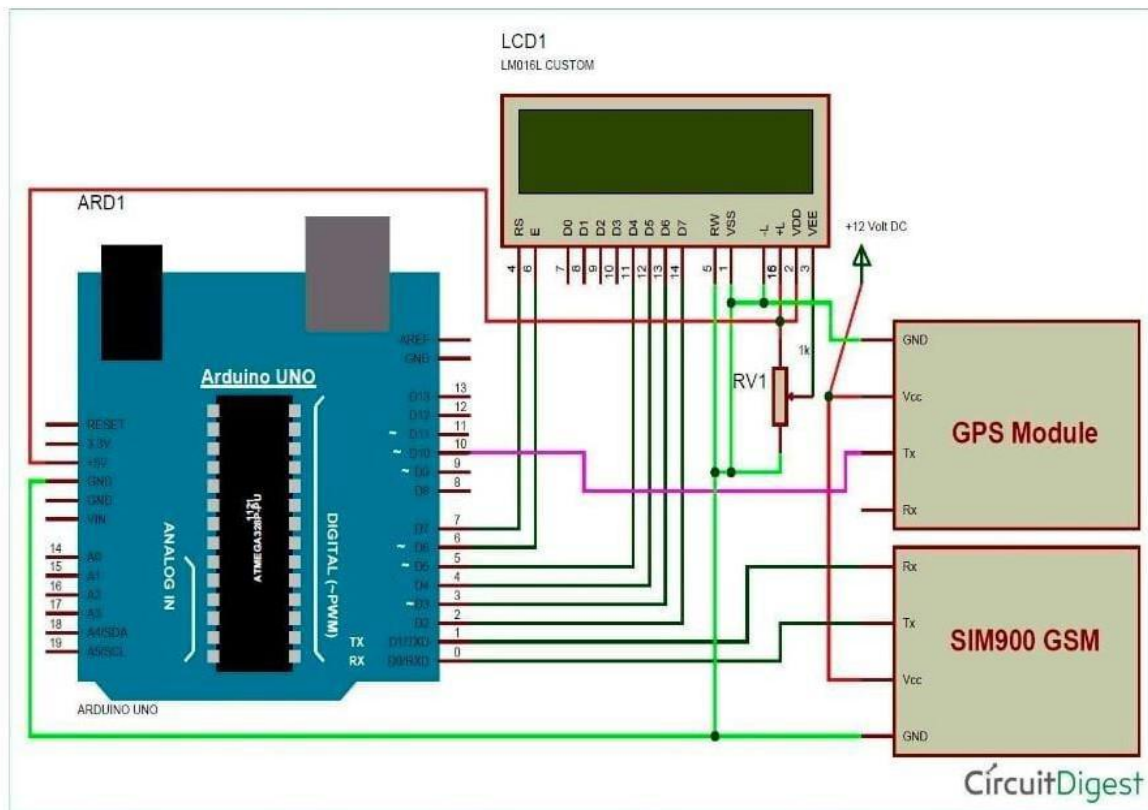


FIG 3.2: Circuit Diagram

### III. CONCLUSION

We have successfully developed and implemented a vehicle tracking system that gives feedback information of the location of stolen vehicles using GPS, GSM technology. It is used friendly is easily install abele easily accessible and can be used for various other purposes. The system is not limited to find the location of the target but also calculates the distance travel within two stations. It can also be applied for better management of fleet with a return of large profit, better scheduling or route planning to unale large job schedule. If this project is properly implemented it will improves safety, reduce vehicle loss due to theft, increase productivity, reduce diversion of roots by transport companies drivers. This will help to reduce the delay in evacuation of accidents victims to hospital and reduce the chances of loosing life.

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