**ANTI-THEFT SYSTEM FOR VEHICLE SECURITY**

**AIM:**

The aim of this project is to provide the locking and unlocking system to the vehicles.

**PURPOSE:**

The purpose of this project is to provide the locking and unlocking system to the vehicles by using remote.

**VEHICLESECTION:**

**IGNITION SWITCH**

**MICRO CONTROLLER**

**(AT89S52)**

**LCD DISPLAY**

**(16 X 2 LINES)**

**MAX 232**

**GSM**

**MOTOR DRIVER**

**MOTORS**

**BATTERY**

**KEYPAD**

**DESCRIPTION:**

Now a day's every system is automated in order to face new challenges. In the present days automated systems have less manual operations, flexibility, reliability and accurate. Due to this demand every field prefers automated control systems. Especially in the field of electronics automated systems are giving good performance.

In this project we provide security to the vehicles i.e. we provide the locking and unlocking system to the vehicles by using GSM technology. Here we can provide security to the vehicle access by adding a password at the starting of the message. In the remote section we will use mobile phone for lock and unlock vehicle through message. If we send a message in a specific format to vehicle equipment then GSM module receives that message and compares with the message stored on controller if it matches then the engine will be started even if the ignition switch is in ON condition, otherwise engine will be in OFF condition.

**HARDWARE USED:**

* Micro-controller(AT89S52)
* Battery
* Ignition switch
* Motor Driver
* Motors
* GSM Module

**SOFTWARE USED:**

* Keil µvision
* Express PCB
* ISP

**RESULT:**

According to this project we provide the locking and unlocking system to the vehicles by using GSM Short message service.