

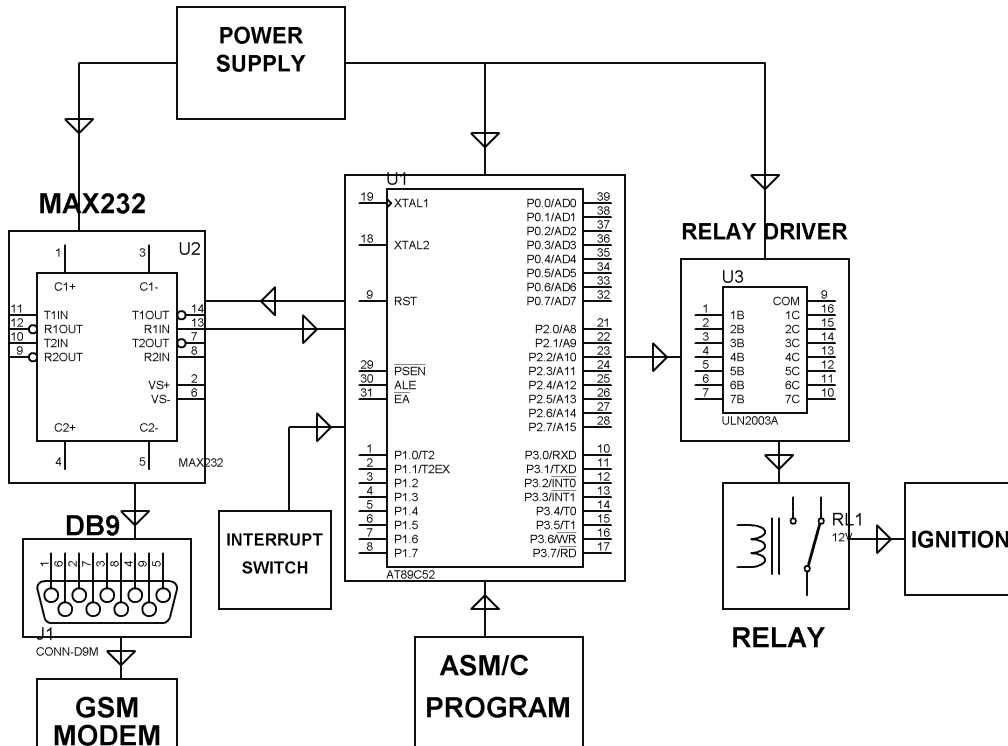
**THEFT INTIMATION OF THE VEHICLE OVER GSM BY SMS WITH
USER PROGRAMABLE NUMBER FEATURES TO OWNER WHO CAN
STOP THE ENGINE REMOTELY**

ABSTRACT

The main motto of the project is to use the wireless technology effectively for the automotive environments by using the GSM Modem used in sending sms in case of theft intimation. The main scope of this project is to stop the engine of an automobile automatically, this can be done when ever a person trying to steal at that time sends an interrupt to a programmable microcontroller of 8051 family that stores owners number upon a miss call for the first time. 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 then the owner sends back the SMS to the GSM modem to 'stop the engine', while the vehicle will be stopped The control instruction is given to the microcontroller through interface, the output from which activates a relay driver to trip the relay that disconnects the ignition of the automobile resulting in stopping the vehicle.

The power supply consists of a step down transformer 230/12V, which steps down the voltage to 12V AC. This is converted to DC using a Bridge rectifier and it is then regulated to +5V using a voltage regulator 7805 which is required for the operation of the microcontroller and other components.

BLOCK DIAGRAM



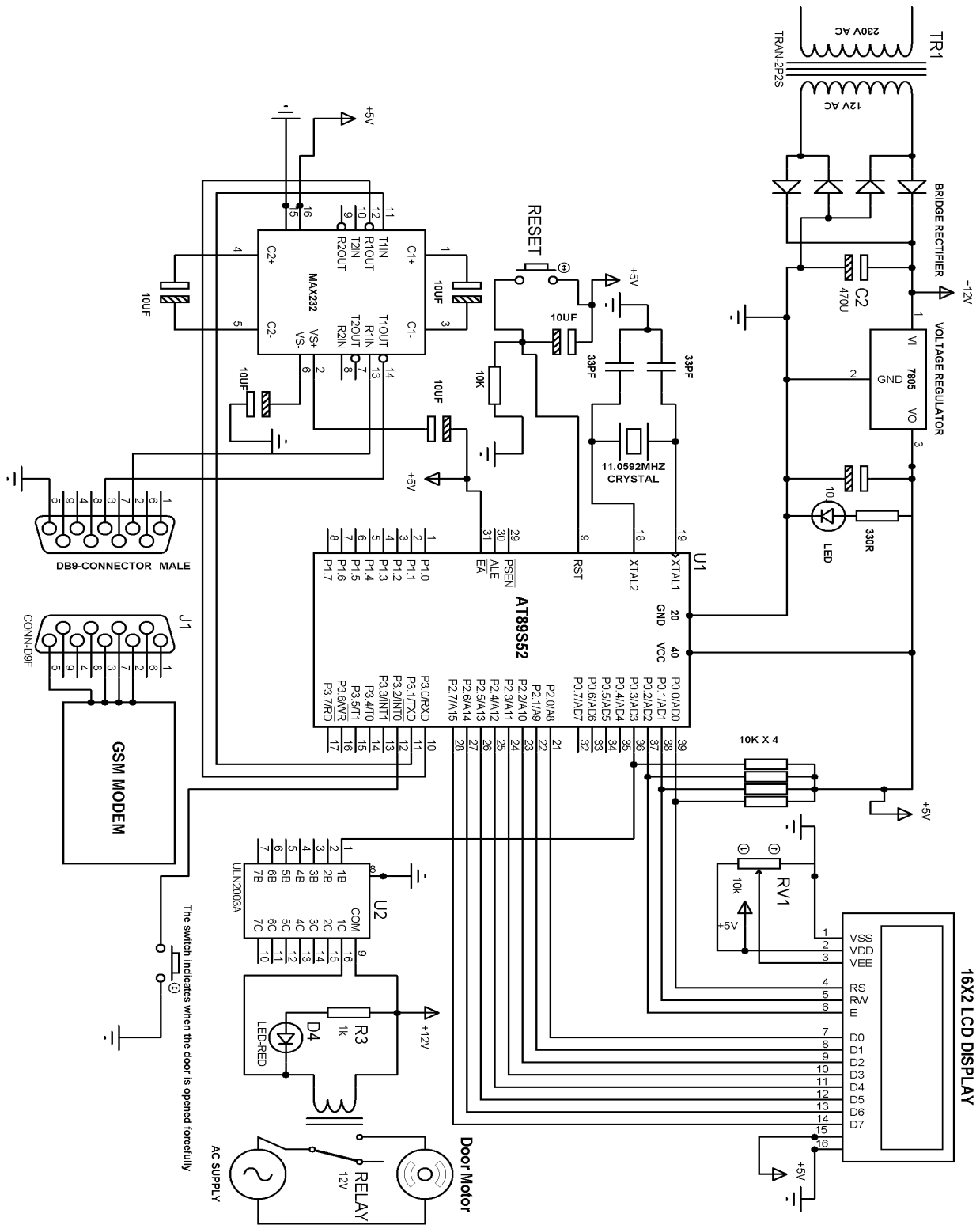
HARDWARE REQUIREMENTS:

Microcontrollers (AT89C52/S52), Max232, GSM modem, Crystal oscillator, Switch, LED, Resistors, Capacitors, voltage Regulator, relay driver (ULN2003), relay, DB9connector.

SOFTWARE REQUIREMENTS:

Keil compiler, Language: Embedded C Or Assembly

Circuit diagram



<u>COMPONENT list</u>	<u>QUANTITY</u>
<u>Resistors</u>	
330R	1
10K	5
1K	1
10K PRESET	1
<u>Capacitors</u>	
470uF/35V	1
10uF/63V	6
33pF Ceramic	2
<u>Integrated Circuits</u>	
7805	1
AT89S52	1
MAX232	1
ULN2003	1
<u>IC Bases</u>	
40-PIN BASE	1
16-PIN BASE	2
<u>Diodes</u>	
1N4007	4
<u>Miscellaneous</u>	
CRYSTAL 11.0592MHz	1
DB9 MALE CONNECTOR PCB-MOUNT	1
STRAIGHT DB9 CORD	1
LCD 16X2	1
LED-RED	2
12V RELAY	1
2 PIN PUSH BUTTON	2
POWER CORD	1
TRANSFORMER 0-12V	1
FEMALE BURGE 16-PIN	1
MALE BURGE 16 PIN	1(INCLUDED WITH LCD)
PCB CONNECTOR 2-PIN	2
AC CONNECTOR 2-PIN	1
MALE BURGE 2-PIN	1
FEMALE BURGE 2-PIN	1(For Transformer)
GSM MODEM	1
ADAPTOR	1
HEAT SINK	1
SCREW NUT FOR HEAT-SINK	1
SWING MOTOR	1
COPPER WIRE FOR LOAD	
PLAIN PCB	1
SOLDERING LED (50 gm)	

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Name of the student

PROJECT NAME

Group member1

Group member 3

Group member 2

Group member 4

Group member 5

College name

Branch

Note to make your kit /project

You need basic knowledge & logic of components /soldering /disordering /breadboard circuiting/PCB designing/etching.

1. You can download the projects from our website makeitortakeit.in and get started to build one, we help you with the basics of know & how.
2. You can purchase the complete do it yourself kit & assemble it.
3. At the last moment, If you are short on time /if your project is not giving output!!!!!! Readymade project kit is available.
4. **Training (optional)** available if you want us to help u in your projects, it includes.
 - 7 sessions, (timing mutually decided).
 - hands on training on breadboard circuiting ,soldering,desoldering,pcb making ,how to use instruments
 - Stepwise guidance you build your project right from the scratch **.
 - complete documentation/references(hard & soft copy)
 - Plotting and Implementing Scale Model.
 - Troubleshooting.
 - Programming of Controllers
 - PCB Software tool, Hardware Cutting, Drilling and Etching