Currently, not all motor vehicles have anti theft security system, because of the price is relatively expensive. There are some that use, but the anti theft security can’t turn off the motor vehicle.

In this final project, a prototype of motor vehicle safety system uses GPS and SMS will be made. The owners can send an SMS to activate the system, by means to turn off the machine and get the vehicle location. The owners send SMS to Siemens C55 and activate relays, alarms to receive the coordinates of the position. In this prototype, a DC motor will stop working so that the vehicle is not running. When the GPS receiver receives the data, the data is sent to the owners to provide the location of the vehicle.

The result of this final project is a full duplex common systems. With the manufacture of designed system, can further reduce the incidence of motor vehicle theft.

Keywords: Microcontroller, GPS, mobile phones, relays, alarm, DC Motor.