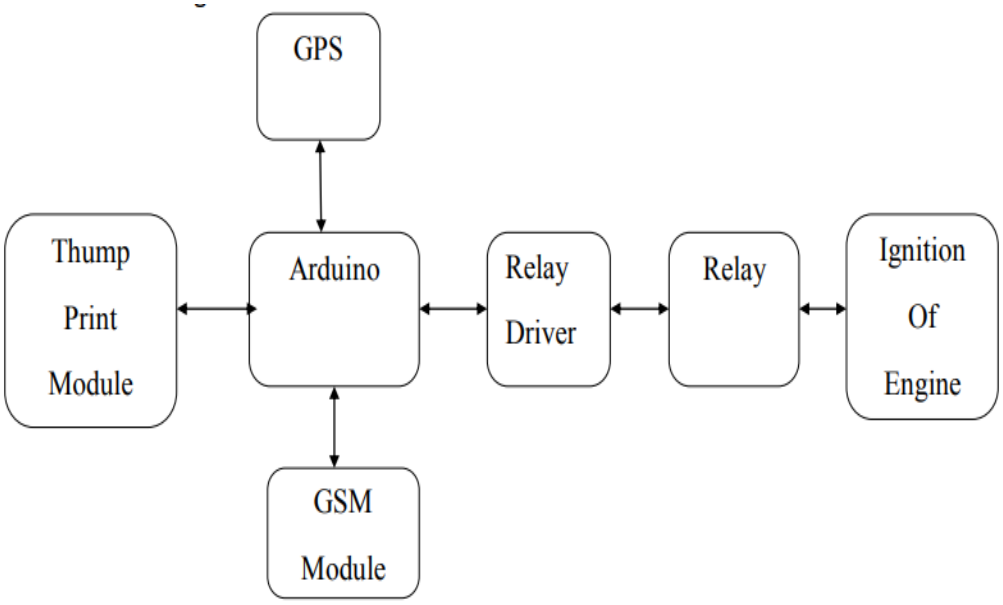
Bio metric Ignition ON/OFF and Security System for Vehicle

Abstract

Vehicles have been used in one form or other since the invention of wheel. With the invention of wheel, came in the 2nd most advanced technology, The Steam Engine. With the development of steam engine vehicle took the form of what we see today. In earlier times crank shaft mechanism were used to ignite the vehicles. Leaving that conventional method behind came in the concept of igniting the vehicles using key. And now, Keys are being replaced by Push start buttons. This project was started with the sole purpose of eliminating keys as conventional method of starting the vehicle. With the introduction of Biometrics in the 18th century, security advancement in technology has gone up to various levels. In the 18th century it was used to verify the employees working for the British Empire. Since then Biometrics has taken its toll. Biometrics is formed from the Greek words 'Bio' and 'Metrics' where 'Bio' means 'life' and 'Metrics' means 'to measure'. The four major methods used in Biometrics are: Palm, Fingerprint, Iris, Voice, Face etc. There are many more methods, but these four are the most important. Biometrics is used in Schools, Banks, Colleges, and Universities etc. One of the growing industries is the automotive industry. One of the first companies to introduce finger print recognition in cars was Mercedes, which was then followed by Volkswagen. But now a day's almost all the car makers are implementing Biometric based security. Fingerprint sensors are quite cheap in comparison to other Biometric sensors. And they are relatively easier to maintain also. The reason for going into biometrics is that its chances of being duplicated are very less. There two main purpose for this project. First being the eliminating the use of key completely for igniting the vehicle. Furthermore even the entry into the car can be done without the use of keys by using a technology called RFID (Radio Frequency Identification). The second purpose is to cut the cost for this technology that only the premium car makers are imposing in the market. This can work can work with any four wheeler vehicle.


GPS
Thump Print Module
Arduino
Relay Driver
Relay
Ignition Of Engine
GSM Module