

# Fingerprint Ignition system

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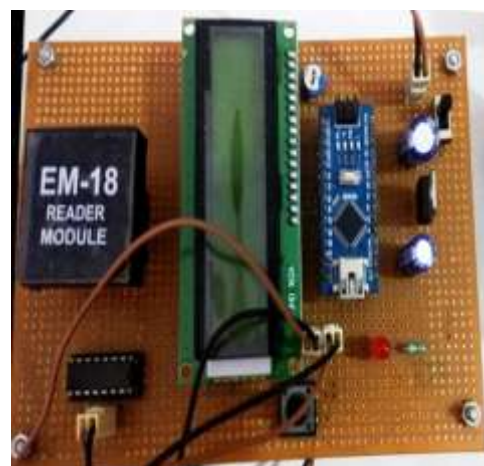
**ABSTRACT:** In today's modern world the issue of hijacking is increasing day by day this can be reduced by fingerprint ignition system or biometric system. When we start the engine, it is the basic necessity of the vehicle security and biometric system served very strong security system which is using since very long time. Biometric system is the technological system that uses the information about the person to identify it is easy to identify whether the person is real or fake.

**KEYWORDS:** Fingerprint Ignition System, Ignition System, Fingerprint locking system.

## I. INTRODUCTION:

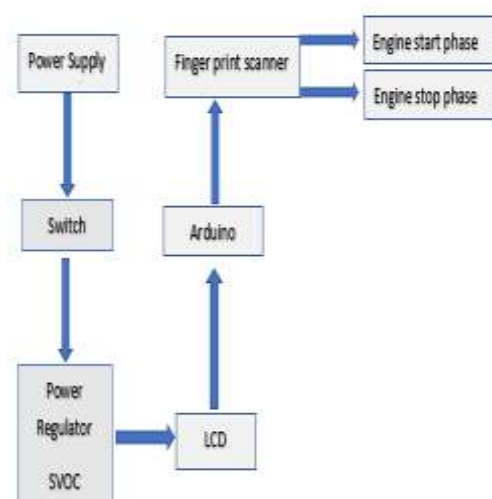
In 21 century uses of biometric based system have seen an exponential growth. This is because of great progress in this field and due to their down prices biometric have become new great source of security and protection. This biometric system also used in laptops, car, ATM locking door of offices and houses. Biometric has totally change the way of security and make it more secure than before. Because each person has their different finger print so it is more secure so that's why it is widely used. Today risk of car theft is increasing so if there is biometric system or finger print in it so it reduce to risk of car or vehicle theft.

## II. DESIGN AND ANALYSIS OF FINGERPRINT IGNITION SYSTEM



## III. COMPONENT:

1. Arduino unoR3
2. Optical finger print sensor
- 3 Relay
4. 12 key 3x4 matrix -type keyboard
5. 7.5x5cm PCB prototyping breadboard
6. LCD display
7. Male to female jumper cable



#### **IV. RESULT :**

While doing this project realizing that a project physically has a lot to do with its research. The various modules were tested and satisfactory results were obtained as the components used fall.

#### **V. CONCLUSION:**

The work is using a prototype of a fingerprint-based vehicle starting system. The system is also able to enter the new person's or user's finger at a request to promote a password before it could be done. Therefore, installing this system in our car or vehicle is cheaper and the security system is great.

#### **REFERENCES:**

Ajinkya Kawale "Fingerprint Based Locking System"