

ARDUINO RFID DOOR LOCK SYSTEM

❑ AIM

Build an Arduino-Based RFID Door Lock System that can be locked and unlocked using an RFID tag connected to an alarm system alerting the user as well notifying them about an unauthorized access via their phone.

❑ VALUE TO THE USER

Security is a major concern in many traditional households. Therefore, this project will be of great value to user as it very convenient and provides security.

- ❑ **Sensing** – RFID tags connected via WIFI to the users phone.
- ❑ **Actuation** – This system will use a Lock, LED Lights, Alarm to interact and communicate with the user.
- ❑ **Network** – This system will ~~operated~~ over a Wi-Fi network as it will need to be connect to the users phone.
- ❑ This system can also have a camera and user log functionality to capture and record the amount of times the system has been accessed.

