**Smart Door Lock:**

The objective is to make a secure Door Lock that would grant access to only registered users and the main control over the system would only reside to the owner. The system would be connnected to a database over the could , using the wifi shield connected to the arduino.

**Components Used:**

1. Arduino
2. WIFI Shield
3. Fingerprint Sensor
4. Keypad
5. LEDs
6. Relay

**Testing of Components**

1. Arduino with LED
2. Arduino with Fingerprint Sensor
3. Arduino with Keypad
4. Arduino with Relay
5. Arduino with Wifi Shield

**Integration Testing**

1. Arduino + Fingerprint Senor
2. Arduino + Fingerprint Senor+LED
3. Arduino + Fingerprint Senor+LED+Keypad
4. Arduino + Fingerprint Senor+LED+Keypad+Wifi Shield
5. Arduino + Fingerprint Senor+LED+Keypad+Wifi Shield+Relay