**Smart Door Lock System.**

Our home security is one the most important thing. Locks are easy to break in, but with a secure authentication door lock system . Access to be granted only those whose records are stored in the system. If someone even tries to break in , alarms will be raised . Arduino , Wifi Shield , RFID/Fingerprint Sensor will be used .

User Perspective:

1.Scan on the RFID Card/Fingerprint sensor , to get entry Access.

2.Arduino to control the scanning process.

3.Arduino to keep track of all records of entry and exit

4.The Data stored will be sent to a cloud based storage , which can be seen by the owner over the internet.

Designers Perspective:

The Arduino will be connected to the Sensor and with the Wifi Shield. The System will be attached on the entry points of the house/office.

Constrains:

It would be cheap to build (around 65 USD 25 for the arduino and a couple of dollars for the sensors).