IOT Based Smart Lock System

SYNOPSIS

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Project Aim:

To make IOT based smart lock system that can open the door using the fingerprint sensor.

About the Project:

In this project, we have developed a smart door lock system using a fingerprint sensor to open and close the door. We used an Arduino Uno microcontroller and fingerprint sensor, Power Adapter. When the fingerprint match than only the door open or close. Who has authorized person only can open the door If any unauthorized person trying to open the door means they can't open the door because the fingerprint sensor never accepts the fingerprint there is no response from the microcontroller side.

Proposed System

Normally in human life safety is very most. In this, we used a fingerprint sensor to open the door lock and close the door lock. These processes are controlled by an Arduino Uno microcontroller. In this method, who is an authorized person they only can open the door.

Requirements:

Hardware:

a) Arduino Uno

b) Fingerprint Sensor

c) Power Adapter

d) Door Lock

Software:

e) Any Operating System

f) Arduino IDE

g) Embedded C