



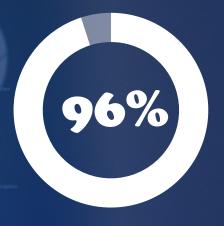




Security

Home Security

In Dhaka 96% people are depended on traditional door looker systems.



Smart Security

By using our product under 1500tk and using 10/20tk of electricity they can get a smart secure house. For this low cost & reliability they will buy our product and secure their house easily.

Using our security

If they will use 1% our smart security for their house we can cover 2,880 house

03%

BANGLADESH BUREAU OF STATISTICS (BBS)

Components



Buzzer is an audio signalling device

Buzzer



Measuring speed or direction and cal culates the speed from distances

Ultrasonic Sensor



Measures infrared (IR) light radiating from objects in its field of view

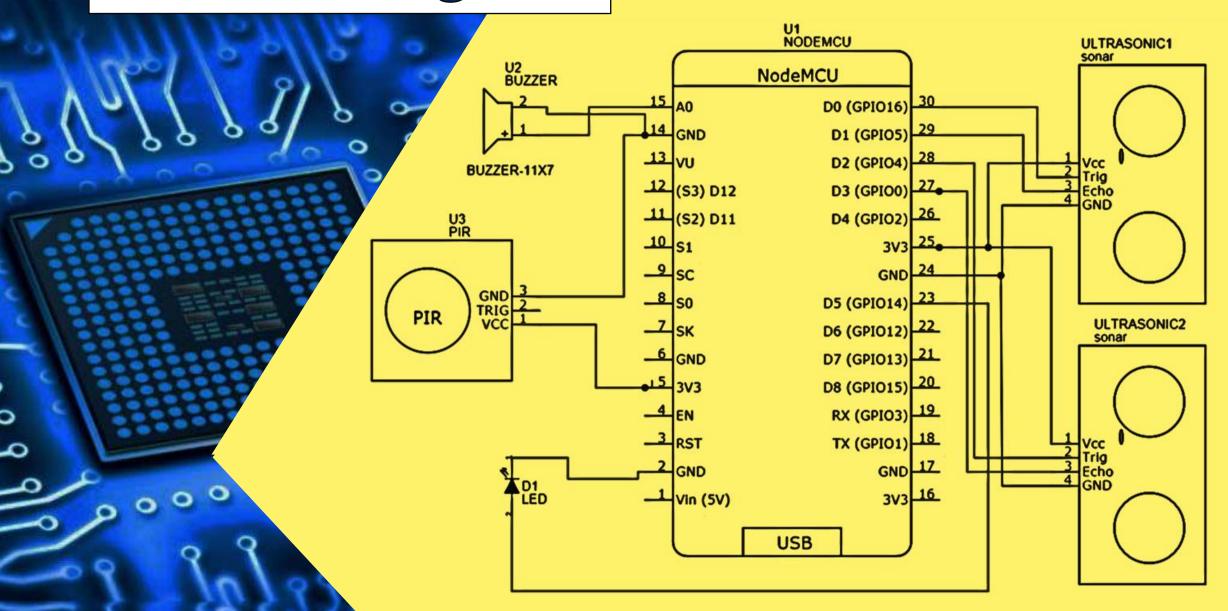
Passive Infrared



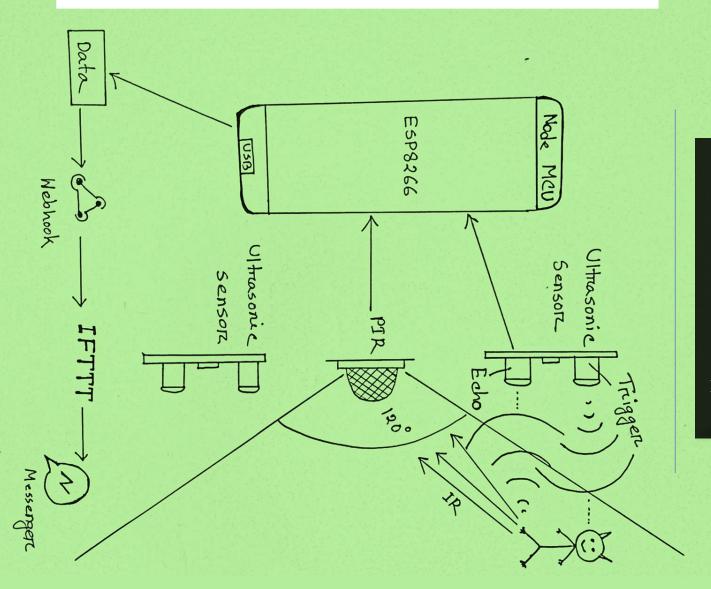
Runs on the ESP8266 Wi-Fi So C from Espressif Systems

Node MCU

Circuit Diagram



Working Procedures



After Ultrasonic sensor and PIR sensor colleting any movements of thief it send data to Node MCU.

Node MCU process data and send to Webhook interface.

Webhook send data to users mobile through social app like Facebook.

Arduino Code



Applets

Services



If Maker Event "FUU", then Send message



works with

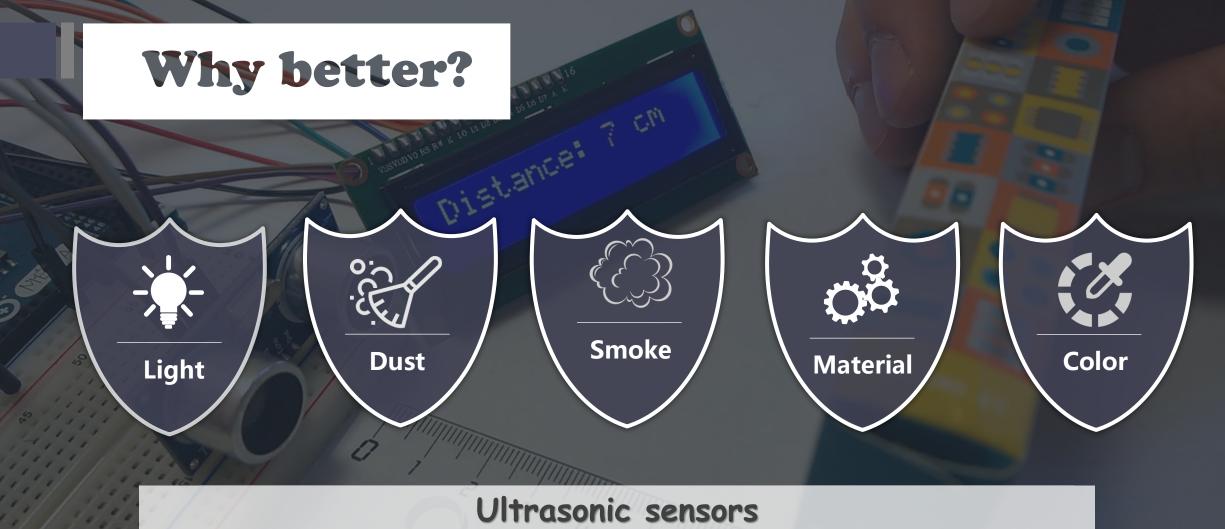




If Maker Event "FUU", then Send message

```
void loop()
digitalWrite(trig1, LOW);
   delayMicroseconds(2);
   digitalWrite(trig1, HIGH);
   delayMicroseconds(10);
   digitalWrite(trig1, LOW);
  tim1 = pulseIn(echo1, HIGH);
   dis1= tim1*0.034/2;
```

```
if (client.connect("maker.ifttt.com",80)) {
MakerIFTTT Key = "rz8 xH-eh26LUewXOE6VJLDCVpKHHnTGOQX-NtNMj2";
MakerIFTTT Event ="FUU";
p = post rqst;
json start = p;
p = append_str(p, "{\"value1\":\"");
p = append str(p, "Nodemcu");
p = append str(p, "\",\"value2\":\"");
p = append str(p, "Hi ......Emergency!!!");
p = append str(p, "\",\"value3\":\"");
p = append_str(p, "transpassing is detected.");
p = append str(p, "\"}");
```



are superior to infrared sensors because they aren't affected by smoke or black materials, however, soft materials which don't reflect the sonar (ultrasonic) waves very well may cause issues. It's not a perfect system, but it's good and reliable.

Why better?

They are cheaper compare to microwave sensors

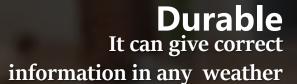
Detects motion reliably in indoors as well as in day or dark

Passive
Infrared
Sensor

They are good for electrical applications used in smaller and compact premises.

It consumes less energy (0.8W to 1.0W) compare to microwave sensor

User's Benefit







Money

Low cost

Design

Economical design of this system is not so hard and nice.





Power

Low Power Requirement.

Remote Access

The status of various devices can be controlled from long distances.





Control

The system can be easily implemented in homes.

Thank You

Questions?