|  |  |
| --- | --- |
|  | int LED1=12; |
|  | int GND1=13; |
|  | int LED2=8; |
|  | int GND2=9; |
|  | int pirOutput=5; |
|  | void setup() |
|  | { |
|  | Serial.begin(9600); |
|  | pinMode(LED1,OUTPUT); |
|  | pinMode(GND1,OUTPUT); |
|  | pinMode(LED2,OUTPUT); |
|  | pinMode(GND2,OUTPUT); |
|  | pinMode(pirOutput,INPUT); |
|  |  |
|  | digitalWrite(pirOutput,LOW); |
|  | digitalWrite(GND1,LOW); |
|  | digitalWrite(GND2,LOW); |
|  | digitalWrite(LED1,LOW); |
|  | digitalWrite(LED2,LOW); |
|  | delay(15000); |
|  | digitalWrite(LED1,HIGH); |
|  | } |
|  | void loop() |
|  | { |
|  | if(digitalRead(pirOutput)==HIGH) |
|  | { |
|  | digitalWrite(LED2,HIGH); |
|  | Serial.println("OK"); |
|  | delay(1000); |
|  | Serial.println("ATD+91xxxxxxxxxx;");//add target mobile number in place of xxxxxxxxxx |
|  | delay(15000); |
|  | Serial.println("ATH"); |
|  | digitalWrite(LED2,LOW); |
|  | delay(1000); |
|  | } |
|  | } |

**GSM Based Home Security Alarm System Using Arduino**

A simple but very efficient home security that has a function of calling the homeowner on his/her mobile number in case of an intruder alert.