**Government College Of Engineering,Bodinayakanur.**

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**assignment:1**

**Topic:smart home application**

**Code:**

int lightsensor = A0;

int pirsensor = 2;

int buzzer = 4;

int led=8;

void setup()

{

pinMode(lightsensor, INPUT);

pinMode(pirsensor, INPUT);

pinMode(buzzer, OUTPUT);

pinMode(led,OUTPUT);

Serial.begin(9600);

}

void loop()

{

lightsensor = analogRead(lightsensor);

pirsensor = digitalRead(pirsensor);

if (lightsensor < 700) {

if (pirsensor == HIGH) {

digitalWrite(led,HIGH);

digitalWrite(buzzer,HIGH);

delay(1000);

} else {

digitalWrite(buzzer, LOW);

digitalWrite(led,LOW);

delay(1000); //

}

} else {

digitalWrite(buzzer, LOW);

digitalWrite(led,LOW);

Serial.println(lightsensor);

}

delay(1000);

}

