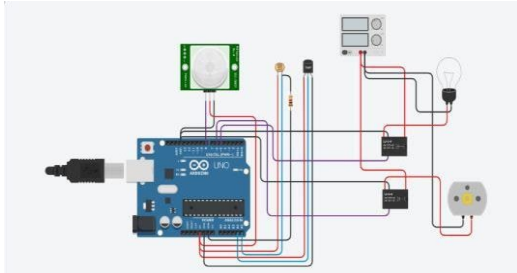


Assignment-1

Name: LOGHESH.R

Reg no:310819205044

CIRCUIT DIAGRAM:



PROGRAM CODE:

```
Float x,y,z,temp; void
    setup() {
pinMode(8, INPUT);
pinMode(5,  OUTPUT);
pinMode(6,  OUTPUT);
pinMode(A5, INPUT);
pinMode(A4, INPUT);
Serial.begin(9600); }
void loop()
{ x= digitalRead(8); y=
analogRead(A5);
z=analogRead(A4);
    Serial.println(x);
    Serial.println(y);
```

```

Serial.println(z);
temp=(double)z/1024;
temp=temp*5;
temp=temp -0.5;
temp=temp *100;
if((x>0))
{
if((y<550)&&(temp>30))
    { digitalWrite(5, HIGH); digitalWrite(6, HIGH);}
    else if((y<550)&&(temp<30)) { digitalWrite(5,
HIGH);  digitalWrite(6,  LOW);  }  else
if((y>550)&&(temp>30))  {  digitalWrite(5,
LOW);      digitalWrite(6,      HIGH);}else
if((y>550)&&(temp<30))
    { digitalWrite(5,LOW); digitalWrite(6,  LOW);
    } } else
{ digitalWrite(5,LOW);
  digitalWrite(6,LOW);
}
}

```