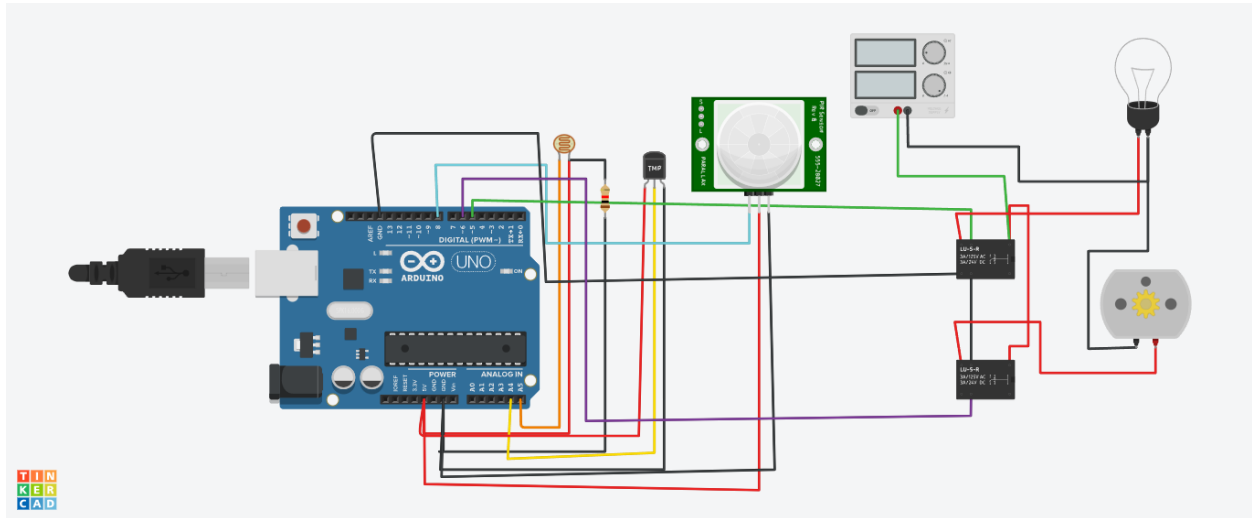# BATCH NO. :B7-1A3E

SMART HOME AUTOMATION :

CIRCUIT DESIGN:

CIRCUIT 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);
}
}
```

Team Members:

Sangeetha S (517201903127)

Soundarya S (9517201903157)

Tamil Eniyal S 9517201903166)

Varsha (9517201903171)

Viji Priya K (9517201903174)