GOWTHAMASARAVANAN V M

19EC033

BATCH NO:B8-2A4E

int P=4;

int Q=5;

void setup()

{

Serial.begin(9600);

pinMode(P,OUTPUT);

pinMode(Q,INPUT);

pinMode(10,OUTPUT);

}

void loop()

{

//ultrasonic sensor

digitalWrite(P,LOW);

digitalWrite(P,HIGH);

delayMicroseconds(10);

digitalWrite(P,LOW);

float A=pulseIn(Q,HIGH);

float B=(A\*0.0343)/2;

Serial.print("Distance is: ");

Serial.println(B);

//LED ON

if(B>=150)

{

digitalWrite(5,HIGH);

digitalWrite(6,HIGH);

}

//Buzzer For ultrasonic Sensor

if(B>=150)

{

for(int i=0; i<=30000; i=i+10)

{

tone(12,i);

delay(1000);

noTone(12);

delay(1000);

}

}

//Temperate Sensor

double X= analogRead(A0);

double Y=(((X/1024)\*5)-0.5)\*100;

Serial.print("Temp Value: ");

Serial.println(Y);

delay(1000);

//LED ON

if(Y>=120)

{

digitalWrite(5,HIGH);

digitalWrite(6,HIGH);

}

//Buzzer for Temperature Sensor

if(Y>=120)

{

for(int i=0; i<=30000; i=i+10)

{

tone(12,i);

delay(1000);

noTone(12);

delay(1000);

}

}

//LED OFF

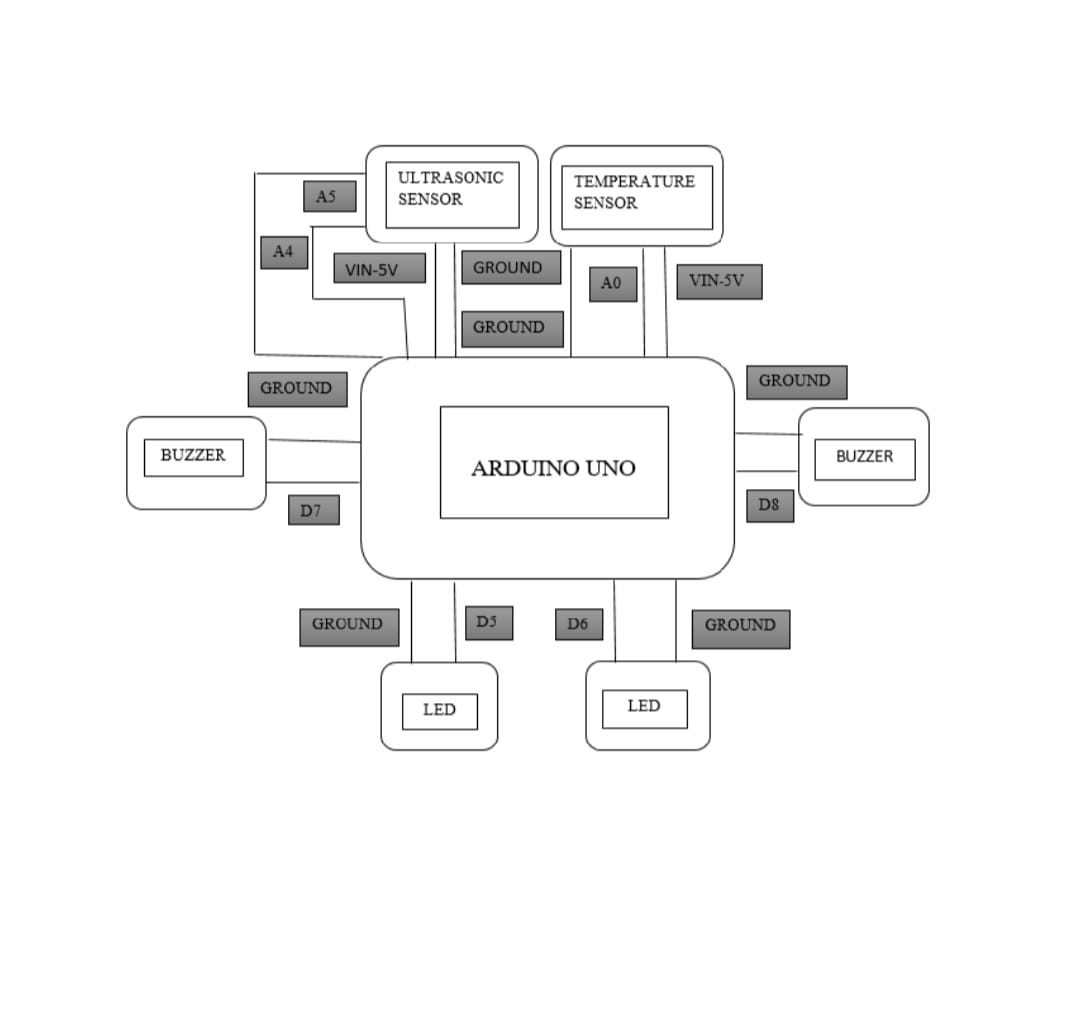
if(Y<120)

{

digitalWrite(5,LOW);

digitalWrite(6,LOW);

}



}