SNS COLLEGE OF TECHNOLOGY DEPARTMENT OF ECE

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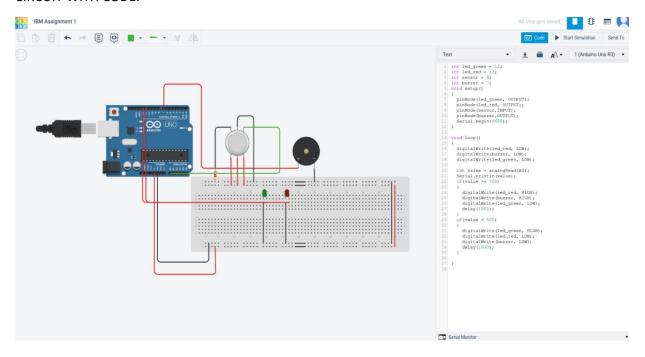
PROJECT: Industry-specific intelligent fire management system

```
PROJECT CODE:
int t=2;
int e=3;
void setup()
Serial.begin(9600);
 pinMode(t,OUTPUT);
 pinMode(e,INPUT);
pinMode(12,OUTPUT);
}
void loop()
{
//ultrasonic sensor
digitalWrite(t,LOW);
 digitalWrite(t,HIGH);
 delayMicroseconds(10);
 digitalWrite(t,LOW);
 float dur=pulseIn(e,HIGH);
 float dis=(dur*0.0343)/2;
Serial.print("Distance is: ");
 Serial.println(dis);
```

```
if(dis>=100)
  digitalWrite(8,HIGH);
  digitalWrite(7,HIGH);
}
//Buzzer For ultrasonic Sensor
if(dis>=100)
{
for(int i=0; i<=30000; i=i+10)
{
tone(12,i);
delay(1000);
noTone(12);
delay(1000);
}
}
 //Temperate Sensor
 double a= analogRead(A0);
double t=(((a/1024)*5)-0.5)*100;
Serial.print("Temp Value: ");
Serial.println(t);
delay(1000);
}
}
```

//LED ON

CIRCUIT WITH CODE:



CIRCUIT WITH OUTPUT:

