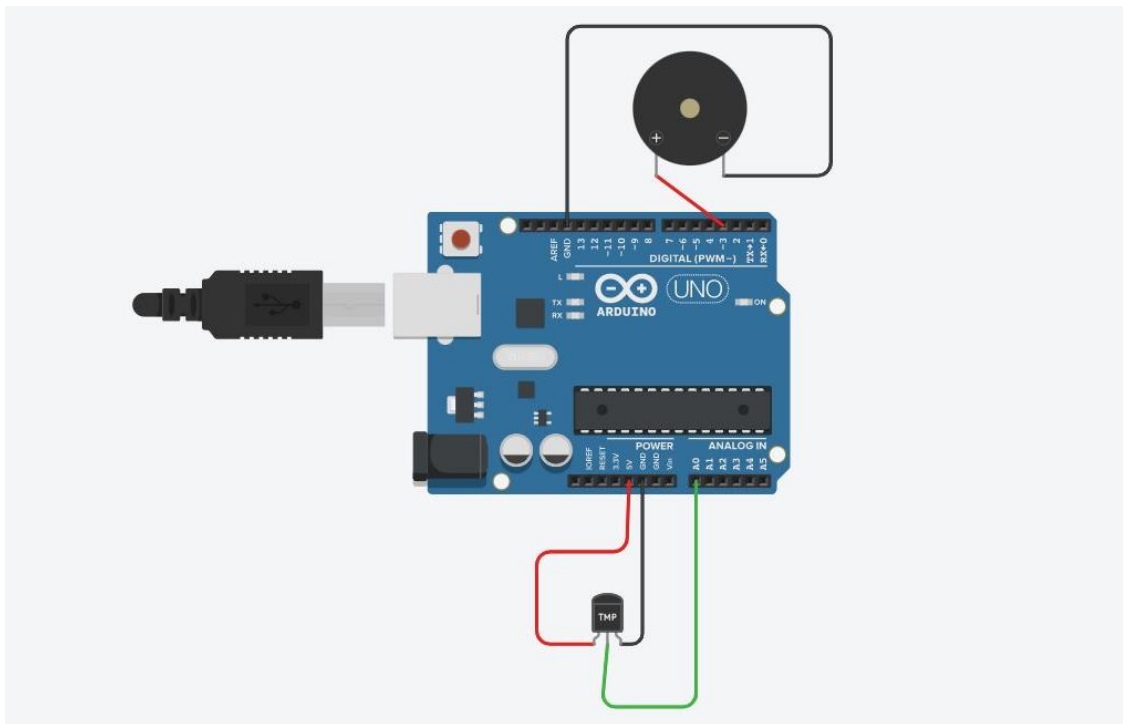


Team ID: PNT2022TMID06114

**Project Name: Industry specific intelligent fire
Management System**

1) Arduino With Temperature Sensor and Buzzer :-

➔ Circuit Connections



Code:

```
float sensorValue, Celsius;
```

```
void setup() {
```

```
    Serial.begin(9600);
```

```
    pinMode(A0, INPUT);
```

```
    pinMode(3, OUTPUT);
```

```
}
```

```
void loop() {
```

```
    sensorValue = analogRead(A0);
```

```
    Celsius = (sensorValue*5000/1024)/10;
```

```
    Serial.print("Celsius: ");
```

```
    Serial.print(Celsius);
```

```
    Serial.print("\n");
```

```
if(Celsius>60)
{
    digitalWrite(3, HIGH);
}
else{
    digitalWrite(3,LOW);
}

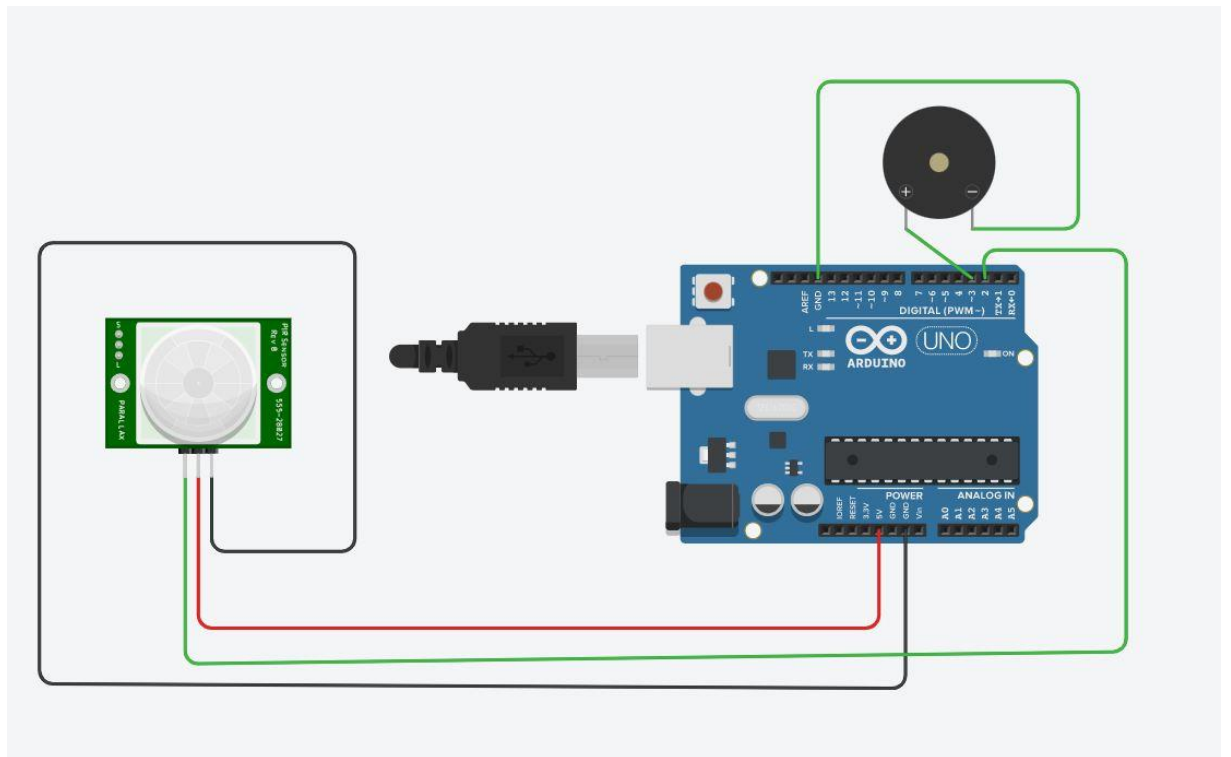
delay(2000);
}
```

Output:



2) Arduino With PIR Sensor :-

Circuit Connections:



Code:

```
void setup() {  
  
    pinMode(2, INPUT);  
  
    pinMode(3, OUTPUT);  
  
}  
  
void loop() {  
  
    if (digitalRead(2) == HIGH)  
  
    {  
  
        digitalWrite(3, HIGH);  
  
    }  
}
```

```
delay(100);
```

```
digitalWrite(3, LOW);
```

```
delay(100);
```

```
}
```

```
}
```