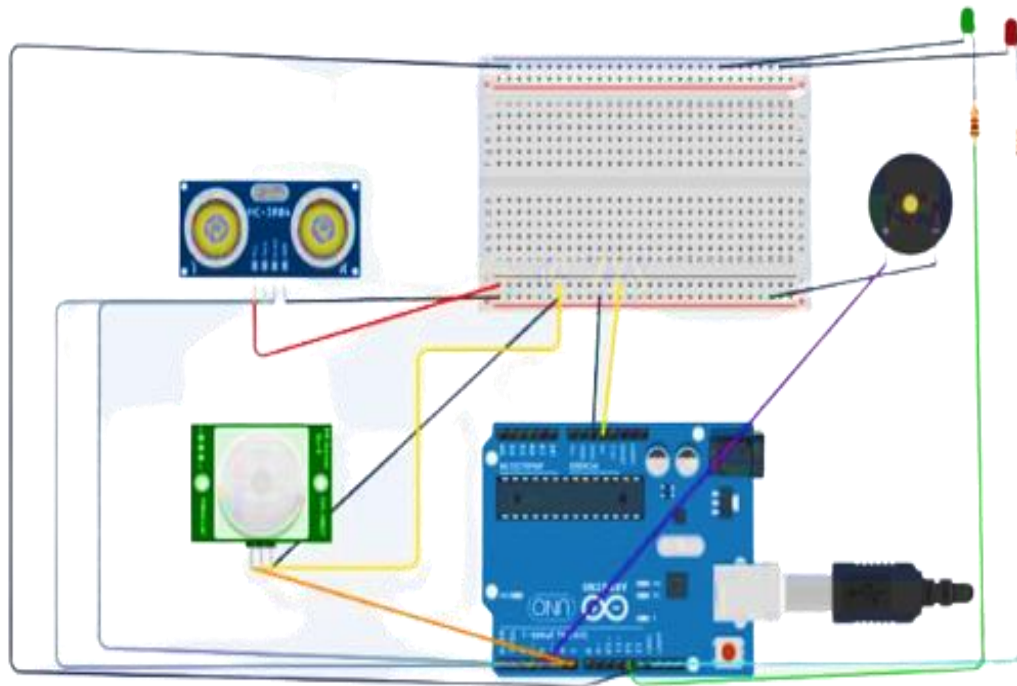


# Industry-specific intelligent fire management system

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```
int buzz = 4;
int pir=7;
int echo = 5;
int trigg = 6;
int pir_led = 12;
int us_led = 13;
int time;
int dist;
void setup()
{
  Serial.begin(9600);
  pinMode(pir_led, OUTPUT);
```

```

pinMode(us_led, OUTPUT);
pinMode(buzz, OUTPUT);
pinMode(pir, INPUT);
pinMode(echo, INPUT);
pinMode(trigg, OUTPUT);
}

void loop(){
  if(digitalRead(pir)==HIGH){
    Serial.println("THERE IS A PERSON...");
    digitalWrite(pir_led, HIGH);
    delay(1000);
  }
  digitalWrite(pir_led, LOW);
  digitalWrite(trigg, HIGH);
  delayMicroseconds(10);
  digitalWrite(trigg, LOW);
  time=println(echo,HIGH);
  dist=(time*0.034)/2;
  if(dist<=50){
    Serial.println("A PERSON IS NEAR...");
    digitalWrite(us_led,HIGH);
    analogWrite(buzz,HIGH);
    delay(1000); // Wait for 1000 millisecond(s)
  }
  else
  {
    digitalWrite(us_led,LOW);
    analogWrite(buzz,LOW);
    delay(1000);
  }
}

```