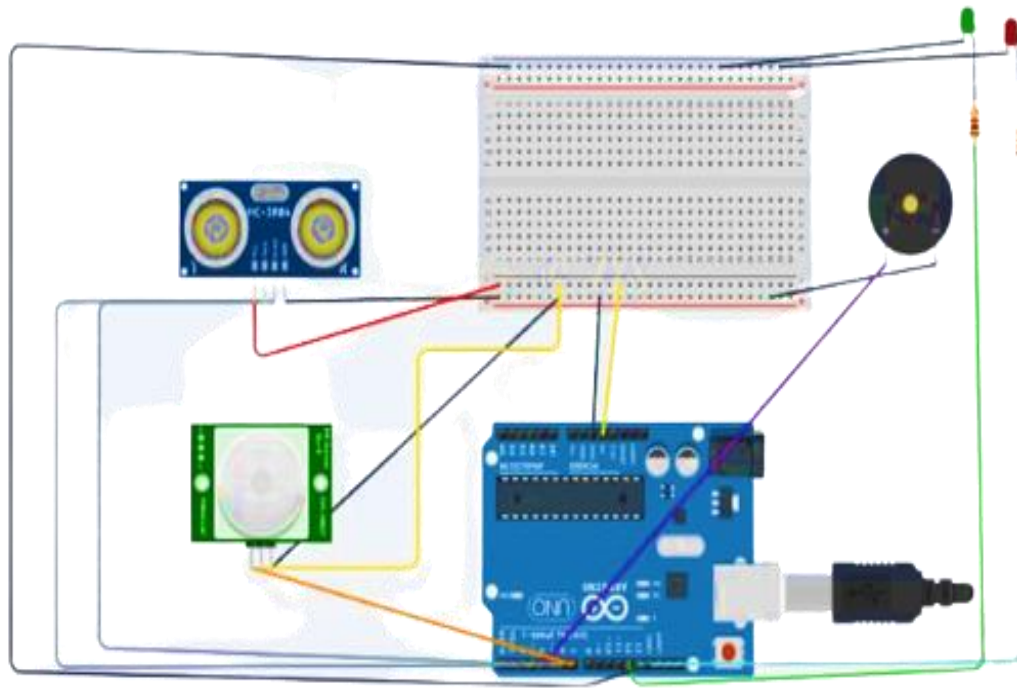# Industry-specific intelligent fire management system

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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);
```

```arduino
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);
}
}
```