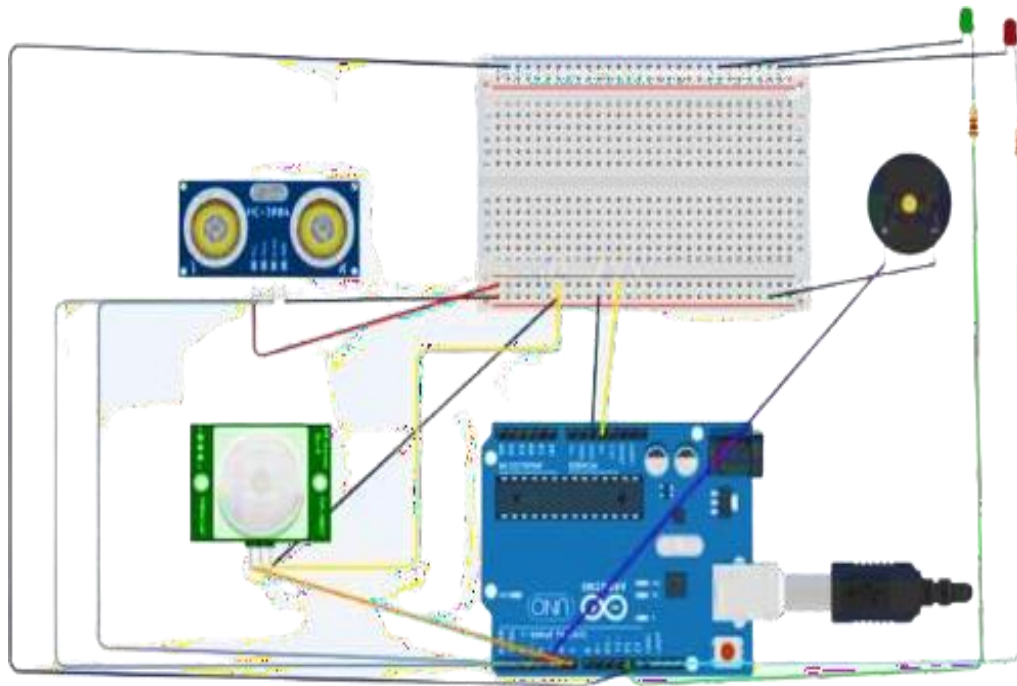# Industry-specific intelligent fire management system

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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);

}

}
```