

# INDUSTRIAL-SPECIFIC INTELLIGENCE FIRE MANAGEMENT SYSTEM

TEAM ID : IBM-PROJECT-41257-1660640664

```
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);
}
}
```