Project Development Phase
Sprint-1

Date	7 November 2022
Team ID	PNT2022TMID24257
Project Name	Industry Specific-Intelligent Fire Management System
Maximum Marks	2

```
int Gas=A0;

int Flame=4;

int buzz=2;

int redLight=3;

int greenLight=4;

float sensorvalue;

int flamevalue;

void setup() {

   pinMode(Gas, INPUT);

   pinMode(Flame, INPUT);

   pinMode(buzz,OUTPUT);

   pinMode(redLight,OUTPUT);

   pinMode(greenLight,OUTPUT);

 Serial.begin(115200);

   }


void loop() {

    sensorvalue = analogRead(Gas);

    flamevalue= digitalRead(Flame);

   Serial.print("Gas value:");

   Serial.println(sensorvalue);

   Serial.print("flame state:");

   Serial.println(!(flamevalue));


   if(flamevalue==0){
```

```
      tone(buzz,1000,200);

      digitalWrite(redLight,HIGH);

      digitalWrite(greenLight,LOW);

   }

   else{

      noTone(buzz);

      digitalWrite(redLight,LOW);

      digitalWrite(greenLight,HIGH);

   }


   if(sensorvalue>500){

      tone(buzz,1000,200);

      digitalWrite(redLight,HIGH);

      digitalWrite(greenLight,LOW);

   }

   else{

       noTone(buzz);

      digitalWrite(redLight,LOW);

      digitalWrite(greenLight,HIGH);

}

}
```