```
#include <SoftwareSerial.h>

//Create software serial object to communicate with SIM800L
SoftwareSerial mySerial(8, 7); //SIM800L Tx & Rx is connected to Arduino #8 & #7

int buzzerPin=12;
int flamePin=11;
int redled=5;
int greenled=6;
int flame=HIGH;
int c=0;
void setup()
{
  //Begin serial communication with Arduino and Arduino IDE (Serial Monitor)
  Serial.begin(9600);
  pinMode(buzzerPin,OUTPUT);
pinMode(redled,OUTPUT);
pinMode(greenled,OUTPUT);
pinMode(flamePin,INPUT);
  digitalWrite(greenled,HIGH);
digitalWrite(buzzerPin,LOW);
digitalWrite(redled,LOW);


}
void mit()
{
   //Begin serial communication with Arduino and SIM800L
  mySerial.begin(9600);

  Serial.println("Initializing...");
  //delay(1000);

  mySerial.println("AT"); //Once the handshake test is successful, it will back to OK
  updateSerial();
  mySerial.println("ATD+919265240359;"); // Configuring TEXT mode
  updateSerial();
  mySerial.println("AT+CMGF=1"); // Configuring TEXT mode
  updateSerial();
  mySerial.println("AT+CMGS=\"+919265240359\"");//change ZZ with country code and
xxxxxxxxxxx with phone number to sms
  updateSerial();
  mySerial.print("FIRE IN THE INDUSTRY"); //text content
```

```
  updateSerial();
  mySerial.write(26);

  }
void loop()
{ c=flame;
  flame=digitalRead(flamePin);
  Serial.println(flame);
  //delay(1000);


  if(flame==0 && c==1)
{
  Serial.println("Initializing...");
  //delay(1000);
  digitalWrite(redled,HIGH);
  digitalWrite(greenled,LOW);
  digitalWrite(buzzerPin,HIGH);
  mit();

}
//else
{

Serial.println(flame);
//  delay(1000);
digitalWrite(buzzerPin,LOW);
digitalWrite(greenled,HIGH);
digitalWrite(redled,LOW);
}

}

void updateSerial()
{
  delay(500);
  while (Serial.available())
  {
    mySerial.write(Serial.read());//Forward what Serial received to Software Serial Port
  }
  while(mySerial.available())
  {
    Serial.write(mySerial.read());//Forward what Software Serial received to Serial Port
```

```
  }
}
```