CODE:

int buzzer = 8;

int LED = 7;

int flame\_sensor = 4;

int flame\_detected;

void setup()

{

  Serial.begin(9600);

  pinMode(buzzer, OUTPUT);

  pinMode(LED, OUTPUT);

  pinMode(flame\_sensor, INPUT);

}

void loop()

{

  flame\_detected = digitalRead(flame\_sensor);

  if (flame\_detected == 1)

  {

    Serial.println("Flame detected...! take action immediately.");

    digitalWrite(buzzer, HIGH);

    digitalWrite(LED, HIGH);

    delay(200);

    digitalWrite(LED, LOW);

    delay(200);

  }

  else

  {

    Serial.println("No flame detected. stay cool");

    digitalWrite(buzzer, LOW);

    digitalWrite(LED, LOW);

  }

  delay(1000);

}