**IIOT\_5**

**WPA for implementing security measures in an IIOT system**

const int buzzerPin = 5;

const int flamePin = 2;

void setup() {

// Buzzer connected to digital pin 5

// Flame sensor connected to digital pin 2

pinMode(buzzerPin, OUTPUT);

pinMode(flamePin, INPUT);

Serial.begin(9600);

}

void loop() {

int flame= digitalRead(flamePin);

if (flame == LOW) {

// Set buzzer pin as output

// Set flame sensor pin as input

// Start serial communication

// Read the flame sensor value

// Check if flame is detected

Serial.println("Fire is Detected");

digitalWrite(buzzerPin, HIGH);

// Turn on the buzzer

} else {

Serial.println("No Fire is Detected");

digitalWrite(buzzerPin, LOW);

}

delay(1000);

// Turn off the buzzer

// Wait for 1 second before the next loop iteration

}

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