

CODE:

```
#include <Wire.h>

#include <ESP8266WiFi.h> // Replace with ESP8266 WiFi library

#define BLYNK_TEMPLATE_ID "TMPL36zhg2ZEx"

#define BLYNK_TEMPLATE_NAME "sensor"

#include <BlynkSimpleEsp8266.h> // Use Blynk library for ESP8266


#define SENSOR1 D1 // Replace pin number with appropriate ESP8266
GPIO pin


BlynkTimer timer;

WidgetLED LED1(V0); // Initialize WidgetLED outside the function


char auth[] = "Gf29JlfBmkBs28cF7gk87-ooQ65xOLR9";

char ssid[] = "Airtel_x_EXT";

char pass[] = "8884179216";


void setup() {

  Serial.begin(115200);
```

```
Blynk.begin(auth, ssid, pass, "blynk.cloud", 80);  
  
pinMode(SENSOR1, INPUT_PULLUP);  
  
// Set a timer to call the sensor function every 200ms  
timer.setInterval(200L, sensor);  
  
}  
  
void sensor() {  
  int L1 = digitalRead(SENSOR1);  
  
  if (L1 == 1) {  
    Serial.println("IR Sensor 1 detected");  
    LED1.on();  
  } else {  
    Serial.println("1 == All clear");  
    LED1.off();  
  }  
}  
  
void loop() {
```

```
Blynk.run();  
timer.run(); // Run the timer  
}
```