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

}