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Experiment No. : 15

Statement : To send data from ESP8266 Witty Cloud Development Board on ThingSpeak cloud.

Date of Exp. : xx/xx/xxxx

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#include <ESP8266WiFi.h> // Library for ESP8266

#include <ThingSpeak.h> // Library for ThingSpeak

// Pinout for Witty Board

#define led 2 // Debug LED (tiny blue)

#define red 15 // RGB LED red

#define green 12 // RGB LED green

#define blue 13 // RGB LED blue

#define ldr A0 // Light Dependent Resistor

WiFiClient client;

long myChannelNumber = 2490614; // Replace with your ThingSpeak channel number

const char myWriteAPIKey[] = "6HMDV8B3T0AFGU47"; // Replace with your ThingSpeak write API key

void setup() {

pinMode(led, OUTPUT);

pinMode(red, OUTPUT);

pinMode(green, OUTPUT);

pinMode(blue, OUTPUT);

Serial.begin(9600);

WiFi.begin("OPPO A5 2020", "12345678");

while (WiFi.status() != WL\_CONNECTED) {

Serial.print(".");

delay(200);

}

Serial.println();

Serial.println("Witty board connected!");

Serial.println(WiFi.localIP());

ThingSpeak.begin(client);

}

void loop() {

int value = analogRead(ldr);

Serial.println(value);

ThingSpeak.writeField(myChannelNumber, 1, value, myWriteAPIKey);

delay(2000);

}





