1. Code NodeMCU8266

#include "FirebaseESP8266.h"

#include <ESP8266WiFi.h>

#define FIREBASE\_HOST "dieukhiendenbangnodemcu-default-rtdb.asia-southeast1.firebasedatabase.app"

#define FIREBASE\_AUTH "Cn4efhgMOFajBGU94sUis1Wl31db9dpyu1Q3aAbv" // Your Firebase Database Secret

#define WIFI\_SSID "B10" // your WiFi SSID

#define WIFI\_PASSWORD "0397/436/178" // your WiFi PASSWORD

int led = D3;

FirebaseData firebaseData;

String path = "DieuKhienNoteMCUViaWifi/";

void printResult(FirebaseData &data);

void setup()

{

Serial.begin(9600);

WiFi.begin(WIFI\_SSID, WIFI\_PASSWORD);

Serial.print("Connecting to Wi-Fi");

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

{

Serial.print(".");

delay(300);

}

Serial.println();

Serial.print("Connected with IP: ");

Serial.println(WiFi.localIP());

Serial.println();

Firebase.begin(FIREBASE\_HOST, FIREBASE\_AUTH);

Firebase.reconnectWiFi(true);

Firebase.beginStream(firebaseData, path);

pinMode(LED\_BUILTIN, OUTPUT);

pinMode(led, OUTPUT);

}

void loop()

{

Firebase.readStream(firebaseData);

firebaseData.streamTimeout();

if (firebaseData.streamAvailable())

{

Serial.print(firebaseData.stringData());

if(firebaseData.stringData().toInt()==1)

{

Serial.println("Led Turned ON");

digitalWrite(LED\_BUILTIN, LOW); // make bultin led ON

digitalWrite(led, HIGH);

}

else

{

Serial.println("Led Turned OFF");

digitalWrite(LED\_BUILTIN, HIGH); // make bultin led OFF

digitalWrite(led, LOW);

}

}

}

Demo











