**Wifi module code:**

#include "ThingSpeak.h"

#include <ESP8266WiFi.h>

//Replace wifi credentials here

const char\* ssid = "TEST1234";//Replace with Wifi Name

const char\* password = "test1234";// Replace with wifi Password

//change channel number here

unsigned long channel =419422;

unsigned int sen1 = 1;

unsigned int sen2 = 2;

WiFiClient client;

void setup() {

pinMode(D1, OUTPUT);

pinMode(D2, OUTPUT);

digitalWrite(D1, 0);

digitalWrite(D2, ,0);

WiFi.begin(ssid, password);

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

delay(500);

}

WiFi.localIP();

WiFi.subnetMask();

WiFi.gatewayIP();

ThingSpeak.begin(client);

}

void loop() {

//get the last data of the fields

int sen\_1 = ThingSpeak.readFloatField(channel, sen1);

int sen\_2 = ThingSpeak.readFloatField(channel, sen2);

if(sen\_1 == 1){

digitalWrite(D1, 1);

}

else if(sen\_1 == 0){

digitalWrite(D1, 0);

}

if(sen\_2 == 1){

digitalWrite(D2, 1);

}

else if(sen\_2 == 0){

digitalWrite(D2, 0);

}

delay(5000);

}