#include <SoftwareSerial.h>

#define DEBUG true

SoftwareSerial esp8266(2,3);

#include<dht.h>

#

const int in1 = A1;

void setup()

{

pinMode(in1, INPUT);

Serial.begin(9600);

sendData("AT+CIFSR\r\n",1000,DEBUG); // This command will get the ip address

sendData("AT+CIPMUX=1\r\n",1000,DEBUG); // This will configure the esp for multiple connections

sendData("AT+CIPSERVER=1,80\r\n",1000,DEBUG); // This command will turn on the server on port 80

}

void loop()

{

//////////////////////////////esp///////////////////////////////////////

if(esp8266.available()) // This command will that check if the esp is sending a message

{

if(esp8266.find("+IPD,"))

{

delay(1000);

int connectionId = esp8266.read()-48; /\* We are subtracting 48 from the output because the read() function returns

the ASCII decimal value and the first decimal number which is 0 starts at 48\*/

int t2=millis();

while(t2+t1>millis())

{

while(Serial1.available()>0)

{

if(Serial1.find("WIFI GOT IP"))

{

No\_IP=true;

}

}

}

}

void get\_ip()

{

IP="";

char ch=0;

while(1)

{

Serial1.println("AT+CIFSR");

while(Serial1.available()>0)

{

if(Serial1.find("STAIP,"))

{

delay(1000);

Serial.print("IP Address:");

while(Serial1.available()>0)

{

ch=Serial1.read();

if(ch=='+')

break;

IP+=ch;

}

}

if(ch=='+')

break;

}

if(ch=='+')

break;

delay(1000);

}

lcd.clear();

lcd.print(IP);

lcd.setCursor(0,1);

lcd.print("Port: 80");

Serial.print(IP);

Serial.print("Port:");

Serial.println(80);

delay(1000);

}

void connect\_wifi(String cmd, int t)

{

int temp=0,i=0;

while(1)

{

Serial.println(cmd);

Serial1.println(cmd);

while(Serial1.available()>0)

{

if(Serial1.find("OK"))

{

i=8;

}

}

delay(t);

if(i>5)

break;

i++;

}

if(i==8)

{

Serial.println("OK");

}

else

{

Serial.println("Error");

}

delay(1000);

}

<!DOCTYPE html>

<html>

<head>

<title>Page Title</title>

</head>

<body>

<h1>This is a Heading</h1>

<p>This is a paragraph.</p>

button

{

background-color: #4CAF50; /\* Green \*/

border: none;

color: white;

padding: 15px 32px;

text-align: center;

text-decoration: none;

display: inline-block;

font-size: 16px;

}

</body>

</html>

String webpage = "<h1>Iot car parking System</h1>";

webpage += "<p><h3>";

webpage+= "space ";

webpage += "</h2></p></body>";

String cipSend = "AT+CIPSEND=";

cipSend += connectionId;

cipSend += ",";

cipSend +=webpage.length();

cipSend +="\r\n";

sendData(cipSend,1000,DEBUG);

sendData(webpage,1000,DEBUG);

String closeCommand = "AT+CIPCLOSE=";

closeCommand+=connectionId;

closeCommand+="\r\n";

sendData(closeCommand,3000,DEBUG);

}

}

String sendData(String command, const int timeout, boolean debug)

{

String response = "";

esp8266.print(command);

long int time = millis();

while( (time+timeout) > millis())

{

String;

}

if(debug)

{

Serial.print(response);

}

return response;

}