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#include <WiFi.h>
#include <HTTPClient.h>

#include <DHT.h>
#define DHTPIN 15
#define DHTTYPE DHT22
DHT dht22(DHTPIN, DHTTYPE);

String URL = "http://ip address /file project /file code.php";

const char* ssid = "Huawei-8AFD ";
const char* password = "44019404 ";

int temperature = 0;
int humidity = 0;

void setup() {
    Serial.begin(115200);
    dht11.begin();
}

void loop() {
    if(WiFi.status() != WL_CONNECTED) {
        WiFi.mode(WIFI_OFF);
        delay(1000);
        //This line hides the viewing of ESP as wifi hotspot
        WiFi.mode(WIFI_STA);

        WiFi.begin(ssid, password);
        Serial.println("Connecting to WiFi");

        while (WiFi.status() != WL_CONNECTED) {
            delay(500);
            Serial.print(".");
        }
        Serial.println("");
    }
    temperature = dht11.readTemperature(); //Celsius
    humidity = dht11.readHumidity();
    if (isnan(temperature) || isnan(humidity)) {
        Serial.println("Failed to read from DHT sensor!");
        temperature = 0;
        humidity = 0;
    }
    Serial.printf("Temperature: %d °C\n", temperature);
    Serial.printf("Humidity: %d %%\n", humidity);
    String postData = "temperature=" + String(temperature) + "&humidity="
+ String(humidity);

```

```

HTTPClient http;
http.begin(URL);
http.addHeader("Content-Type", "application/x-www-form-urlencoded");

int httpCode = http.POST(postData);
String payload = "";

if(httpCode > 0) {
  // file found at server
  if(httpCode == HTTP_CODE_OK) {
    String payload = http.getString();
    Serial.println(payload);
  } else {
    // HTTP header has been send and Server response header has been
handled
    Serial.printf("[HTTP] GET... code: %d\n", httpCode);
  }
} else {
  Serial.printf("[HTTP] GET... failed, error: %s\n",
http.errorToString(httpCode).c_str());
}

http.end(); //Close connection

Serial.print("URL : "); Serial.println(URL);
Serial.print("Data: "); Serial.println(postData);
Serial.print("httpCode: "); Serial.println(httpCode);
Serial.print("payload : "); Serial.println(payload);
Serial.println("-----");
delay(5000);
}

```