below is the code for harware

#include "ThingSpeak.h"

#define USE\_ETHERNET\_SHIELD

#include <DHT.h>

    // Use wired ethernet shield

    #include <SPI.h>

    #include <Ethernet.h>

    byte mac[] = { 0xDE, 0xAD, 0xBE, 0xEF, 0xFE, 0xED};

    EthernetClient client;

unsigned long myChannelNumber = 370014;

const char \* myWriteAPIKey = "BADPR3WD6HS7WPCM";

..;

float moisureLevel1=0;

float sensorValue1 =26.21;

float randNumber1;

 const int MQ7 = A0;  //the number of the CO2 pin

#define DHTPIN 2     // what pin we're connected to

#define DHTTYPE DHT11   // DHT 11  (AM2302)

DHT dht(DHTPIN, DHTTYPE);

//Variables

int chk;

float hum;  //Stores humidity value

float temp; //Stores temperature value

void setup() {

  Serial.begin (115200);

      Ethernet.begin(mac);

  ThingSpeak.begin(client);

 dht.begin(); // DHT Sensor Start

}

void loop() {

//=======================DHR-11 Sensor ======================================================

//Read data and store it to variables hum and temp

    hum = dht.readHumidity();

    temp= dht.readTemperature();

    //Print temp and humidity values to serial monitor

    Serial.print("Humidity: ");

    Serial.print(hum);

    Serial.print(" %, Temp: ");

    Serial.print(temp);

    Serial.println(" Celsius");

     ThingSpeak.setField(1,temp);

      ThingSpeak.setField(2,hum);

  // Write the fields that you've set all at once.

  ThingSpeak.writeFields(myChannelNumber, myWriteAPIKey);

delay(16000); // ThingSpeak will only accept updates every 15 seconds.

  //delay(20000); // ThingSpeak will only accept updates every 15 seconds.

 // delay(1800000); //30minute delay

}