IMPLEMENTATION CODE

-18BCS4505

-Raghav Goel

-18AITIOT

***Hradware or Arduino Code:***

/\* This arduino code is sending data to mysql server every 30 seconds.

Created By Embedotronics Technologies\*/

#include "DHT.h"

#include <ESP8266WiFi.h>

#include <WiFiClient.h>

#include <ESP8266WebServer.h>

#include <ESP8266mDNS.h>

#include <SPI.h>

#define DHTPIN D2

#define DHTTYPE DHT11

DHT dht(DHTPIN,DHTTYPE);

float humidityData;

float temperatureData;

float moistureData;

const char\* ssid = "FTTH-0AA5";//

const char\* password = "monu@123";

//WiFiClient client;

char server[] = "192.168.1.6"; //eg: 192.168.0.222

WiFiClient client;

void setup()

{

Serial.begin(9600);

delay(10);

dht.begin();

// Connect to WiFi network

Serial.println();

Serial.println();

Serial.print("Connecting to ");

Serial.println(ssid);

WiFi.begin(ssid, password);

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

delay(500);

Serial.print(".");

}

pinMode(A0,INPUT);

Serial.println("");

Serial.println("WiFi connected");

// Start the server

// server.begin();

Serial.println("Server started");

Serial.print(WiFi.localIP());

delay(1000);

Serial.println("connecting...");

}

void loop()

{

humidityData = dht.readHumidity();

temperatureData = dht.readTemperature();

moistureData=analogRead(A0);

Sending\_To\_phpmyadmindatabase();

delay(30000); // interval

}

void Sending\_To\_phpmyadmindatabase() //CONNECTING WITH MYSQL

{

if (client.connect(server, 80)) {

Serial.println("connected");

// Make a HTTP request:

Serial.print("GET /farm/adding.php?humidity=");

client.print("GET /farm/adding.php?humidity="); //YOUR URL

Serial.println(humidityData);

client.print(humidityData);

client.print("&temperature=");

Serial.println("&temperature=");

client.print(temperatureData);

Serial.println(temperatureData);

client.print("&moisture=");

Serial.println("&moisture=");

client.print(moistureData);

Serial.println(moistureData);

client.print(" "); //SPACE BEFORE HTTP/1.1

client.print("HTTP/1.1");

client.println();

client.println("Host:192.168.1.6");

client.println("Connection: close");

client.println();

} else {

// if you didn't get a connection to the server:

Serial.println("connection failed");

}

}

Webpage code files are attached.