<?php

if(isset($\_GET['value'])){

$val=$\_GET['value'];

$query="insert into table1(value) values($val)";

$conn=mysqli\_connect('localhost','id10535105\_npsgoud','sai123456','id10535105\_test');

if (mysqli\_connect\_errno())

{

echo "Failed to connect to MySQL: " . mysqli\_connect\_error();

}

if(mysqli\_query($conn,$query))

{echo "success";}

else{echo "failed" ;

echo("Error description: " . mysqli\_error($conn));

}

}

?>

<https://www.geekstips.com/esp8266-arduino-tutorial-iot-code-example/>

<https://create.arduino.cc/projecthub/jeffpar0721/add-wifi-to-arduino-uno-663b9e>

You have a few options for connecting your Arduino to the network/Internet.

**Ethernet**

Something like the [Arduino Ethernet Shield](http://arduino.cc/en/Main/ArduinoEthernetShield) allows you to plug in an Ethernet cable from the wall or router into your Arduino. Obviously, the main limitation is that your device is now tethered by the cable. For outdoor use, I wouldn't do this.

**WiFi**

The [Arduino WiFi Shield](http://arduino.cc/en/Main/ArduinoWiFiShield) allows you to connect to your home WiFi network. This is just like the Ethernet except its now wireless.

The [ESP8266](https://www.sparkfun.com/products/13678) is a cheaper alternative that, with the default firmware, has the same functionality as the WiFi Shield. Be careful that you power it with 3.3V and not 5V as the rest of the Arduino. It also uses 3.3V logic levels so don't connect the Arduino's TX pin directly to the ESP's RX pin; use a voltage divider.

#include<Ethernet.h>

#include<SPI.h>

byte mac[]= { 0x74, 0x86, 0x7A, 0x0C, 0x74, 0xB8};

IPAddress ip(172,16,43,58);

IPAddress gateway(172,16,40,1);

IPAddress subnet(255,255,252,0);

IPAddress server (207,174,215,159);

char serverName[]="www.sedsindia.org/irrigation";

EthernetClient client;

int rainPin = A0;

int thresholdValue = 800;

int sensorValue;

void setup(){

pinMode(rainPin, INPUT);

pinMode(LED\_BUILTIN, OUTPUT);

digitalWrite(LED\_BUILTIN, LOW);

Serial.begin(9600);

Ethernet.begin(mac,ip, gateway, gateway, subnet);

}

void send()

{

char outbuf[128];

//String data= "" + sensorValue;

if(client.connect("www.sedsindia.org/irrigation",80))

{

sprintf(outbuf,"POST /retrieve.php?data=%u' HTTP/1.1", sensorValue);

client.println("Host: www.sedsindia.org/irrigation");

client.println("Connection: close");

client.println();

Serial.println();

while(client.connected()) {

while(client.available()) {

Serial.write(client.read());

}

}

}

if(client.connected())

{

client.stop();

}

}

void loop() {

// read the input on analog pin 0:

sensorValue = analogRead(rainPin);

Serial.print(sensorValue);

if(sensorValue < thresholdValue){

digitalWrite(LED\_BUILTIN, HIGH);

Serial.println("Moisture Value -" );

Serial.println(sensorValue);

Serial.println(" - Doesn't need watering");

send();

}

else {

digitalWrite(LED\_BUILTIN, LOW);

Serial.println("Moisture Value -" );

Serial.println(sensorValue);

Serial.println(" - Time to water your plant");

send();

}

delay(1000);

}