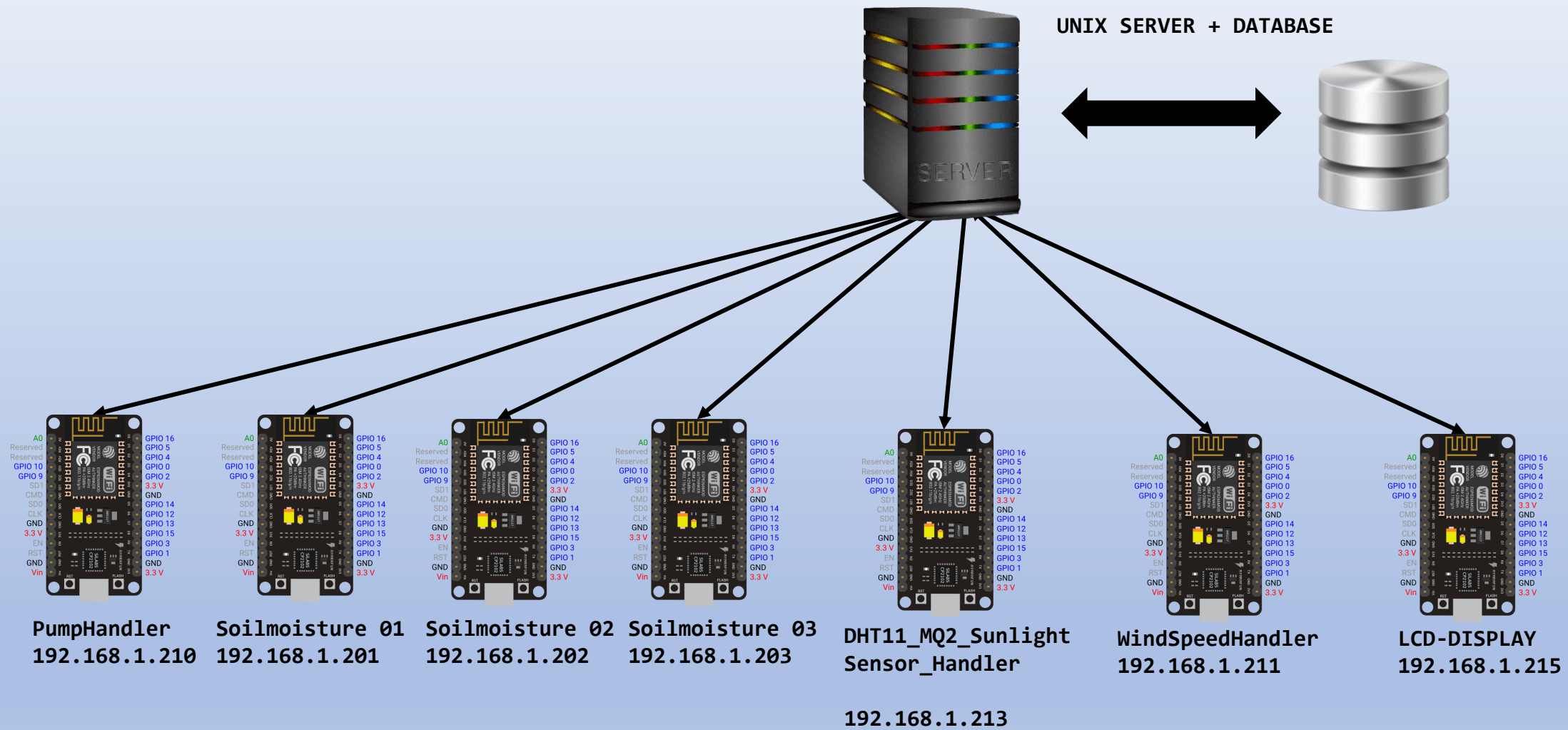
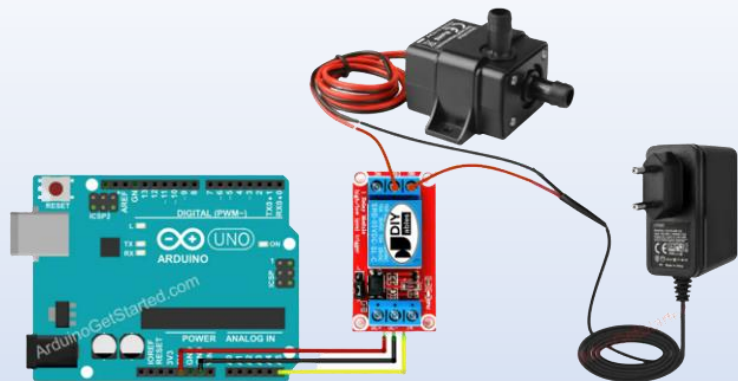


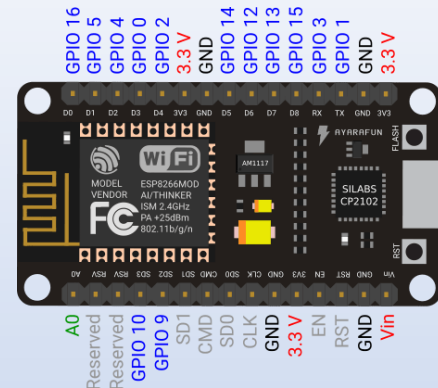
NETWORK TOPOGRAPHIE





PumpHandler

Raspberry
Web Server
IP: 192.168.1.200



Connection via WiFi

ESP8266
PumpHandler
IP: 192.168.1.210

ESP8266
Web Interface
IP: 192.168.1.239

TX: D8 RX: D5
RX: D7 TX: D6
TX: D3 RX: D2
RX: D2 TX: D3

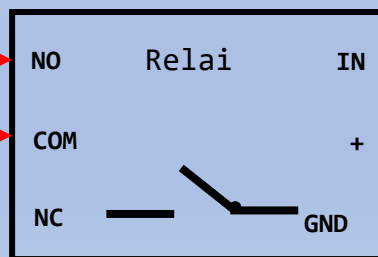
D4 D6 D5

ECHO PIN TRIGGER PIN

HCSR04
Read Tank Level

12V

Pump
12V



MAKER *F* Tech
FACTORY

Soilmoisture Handler

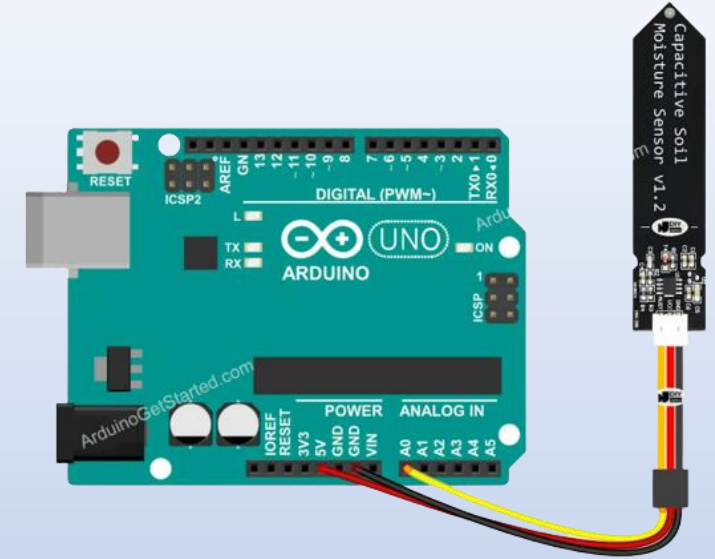
Raspberry
Web Server
IP: 192.168.1.200

Connection via WiFi

ESP8266
Soilmoisture Handler
IP: 192.168.1.20x

A0

Soilmoisture Sensor



DHT11_MQ2_SUNLIGHTSENSOR Handler

Raspberry
Web Server
IP: 192.168.1.200

Connection via WiFi

ESP8266
DHT11ANDMQ2 Handler
IP: 192.168.1.213

D5

DATA DHT11 Sensor

A0

A0 MQ2 Sensor

D1

D2

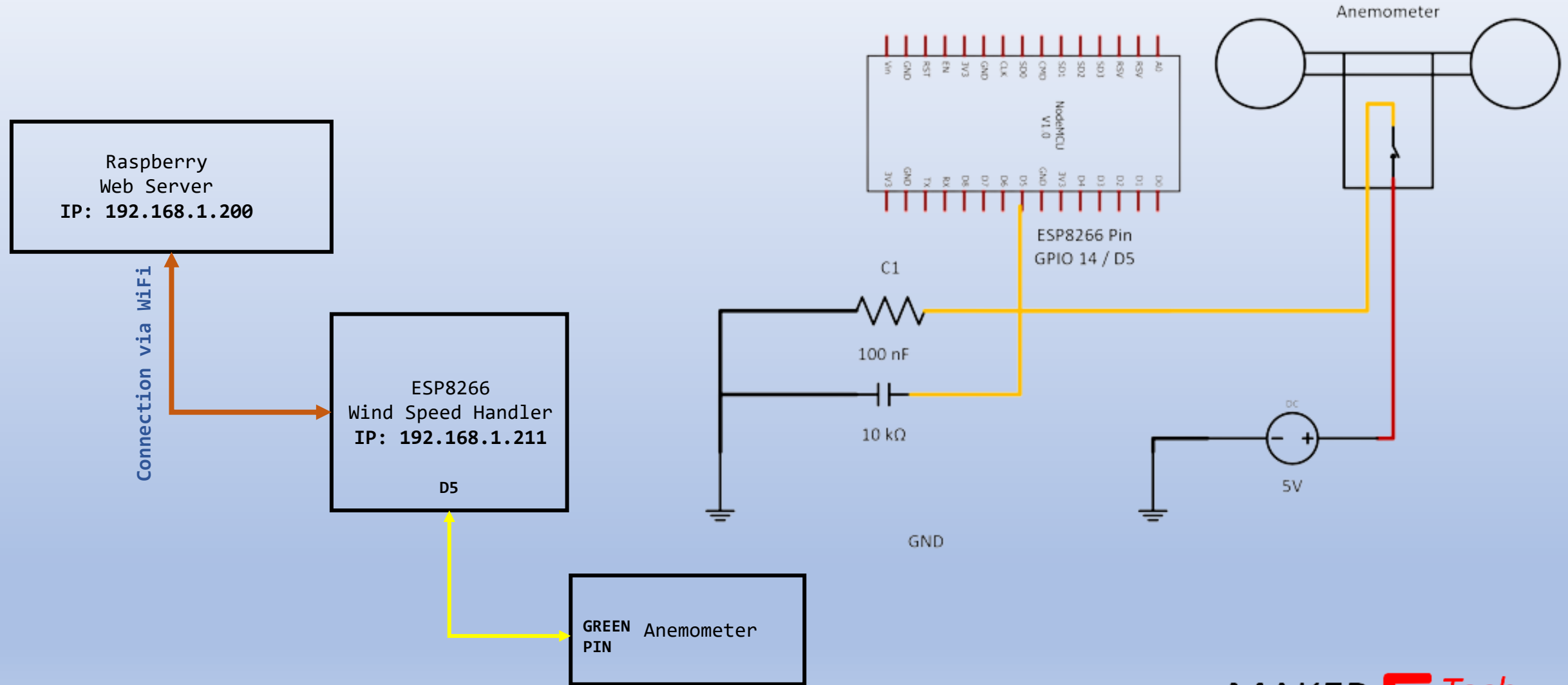
SDA
Sunlight Sensor
SCL



MQ2 Pinout
Last Minute ENGINEERS.com



Wind Speed Handler



LCD-Handler

Raspberry
Web Server
IP: 192.168.1.200

Connection via WiFi

ESP8266
LCD-Handler
IP: 192.168.1.215

D1

D2

TEMPERATURE: 23°

RESERVOIR: 40%



VENT: 1M/S

SOIL 01: 

SOIL 02: 

SOIL 03: 

ETAT POMPE: ALLUME

SDA
Liquid Crystal Display
SCL



Webinterface

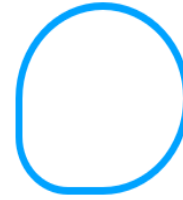
Application Clever Tree

Capteur humidité du sol 1

Capteur humidité du sol 2

Capteur humidité du sol 3

Niveau d'eau restant [%]



Etat de la pompe



Vitesse du vent [Km/H]



Température [°C]

Humidité [%]

IR



UV



Intensité lumineuse



CO [ppm]



Activation de la pompe



LPG [hPa]



Fumée

