Water Irrigation system: Group -04

int soilpin = A0;

int soiloutput;

int watersensor = 9;

int waterlevel=0;

int relaypin = 8;

#include <Wire.h>

#include <LiquidCrystal\_I2C.h>

LiquidCrystal\_I2C lcd(0x27,20,4);

void setup() {

Serial.begin(9600);

pinMode(watersensor, INPUT);

pinMode(relaypin, OUTPUT);

digitalWrite(relaypin, HIGH);

}

void loop() {

soiloutput= analogRead(soilpin);

soiloutput = map(soiloutput,550,0,0,100);

Serial.print("Mositure : ");

Serial.print(soiloutput);

Serial.println("%");

if( digitalRead(watersensor) == LOW) {

Serial.println("No Water Detected");

if(soiloutput<20.00){

digitalWrite(relaypin, LOW);

Serial.println("Motor On");

}

else if(soiloutput>30.00){

digitalWrite(relaypin, HIGH);

Serial.println("Motor Off");

}

}else {

Serial.println("Water Detected");

digitalWrite(relaypin, HIGH);

Serial.println("Motor Off");

}

delay(1000);

}

Relay board:

int in1 = 8;

void setup() {

pinMode(in1, OUTPUT);

digitalWrite(in1, LOW);

}

void loop() {

}