

github - Google Search

Circuit design remendous Allis

ChatGPT

Class

tinkercad.com/things/4FWWhZ72mJK4-tremendous-allis/editel?tenant=circuits

Google

Print

Star

Share

Help

Feedback

How to Write a Blo...

Tremendous Allis

All changes saved

Code

Start Simulation

Send To

Arduino Uno R3

Soil Moisture Sensor

Wires

Resistors

LEDs

1 (Arduino Uno R3)

```
1 // C++ code
2 //
3 int sensor=A0;
4 int red=7,blue=6,green=5;
5 void setup()
6 {
7   Serial.begin(9600);
8   pinMode(red,OUTPUT);
9   pinMode(blue,OUTPUT);
10  pinMode(green,OUTPUT);
11 }
12
13 void loop()
14 {
15   int moisture=analogRead(sensor);
16   Serial.println(moisture);
17   if(moisture>=0 && moisture <=300){
18     Red();}
19
20   if(moisture>300 && moisture <=600){
21     Yellow();}
22
23   if(moisture>600 ){
24     Green();}
25 }
26 void Red() {
27   digitalWrite(red,HIGH);
28   digitalWrite(blue,LOW);
29   digitalWrite(green,LOW);
30 }
31
32 void Yellow() {
```

Serial Monitor

20°C Haze

Search

Taskbar icons

9:10 PM 11/13/2023

CODING PART:

```
int sensor=A0;
int red=7,blue=6,green=5;
void setup()
{
  Serial.begin(9600);
  pinMode(red,OUTPUT);
  pinMode(blue,OUTPUT);
  pinMode(green,OUTPUT);
}

void loop()
{
  int moisture=analogRead(sensor);
  Serial.println(moisture);
  if(moisture>=0 && moisture <=300){
    Red();}

  if(moisture>300 && moisture <=600){
    Yellow();}

  if(moisture>600 ){
    Green();}
}

void Red() {
  digitalWrite(red,HIGH);
  digitalWrite(blue,LOW);
  digitalWrite(green,LOW);
}

void Yellow() {
  digitalWrite(red,HIGH);
  digitalWrite(green,HIGH);
  digitalWrite(blue,LOW);
}

void Green() {
  digitalWrite(red,LOW);
  digitalWrite(green,HIGH);
  digitalWrite(blue,LOW);
}
```