MOISTURE SENSING SYSTEM

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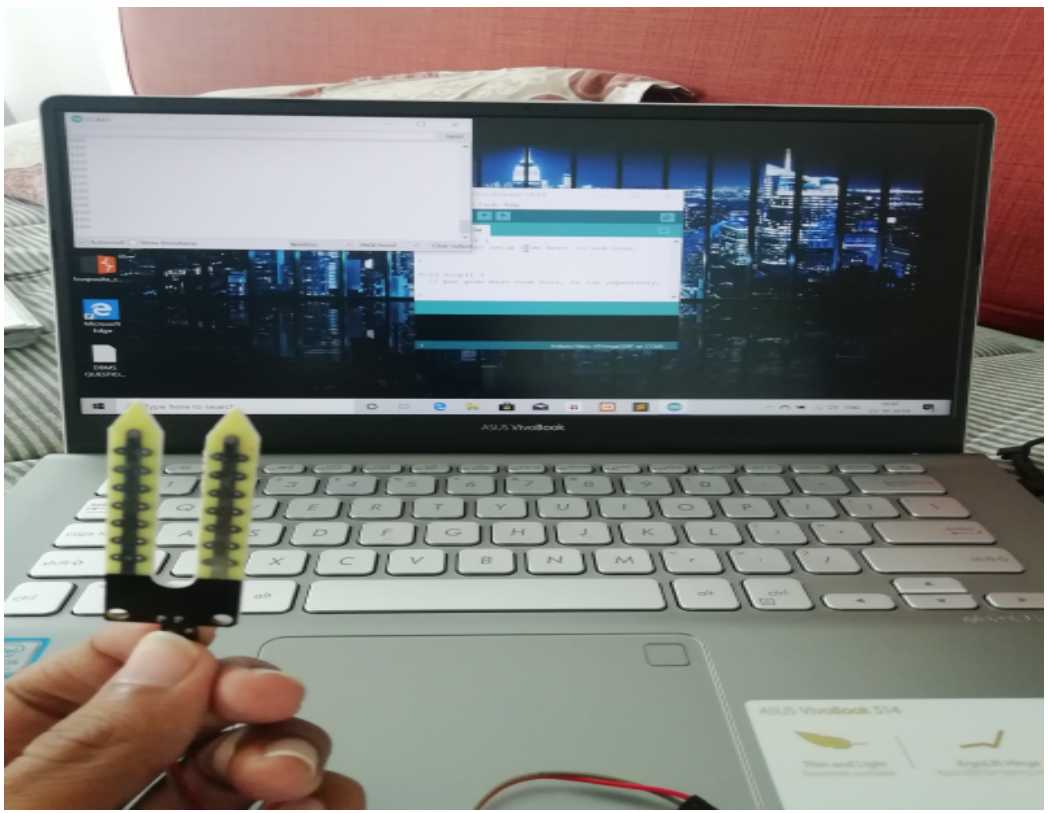
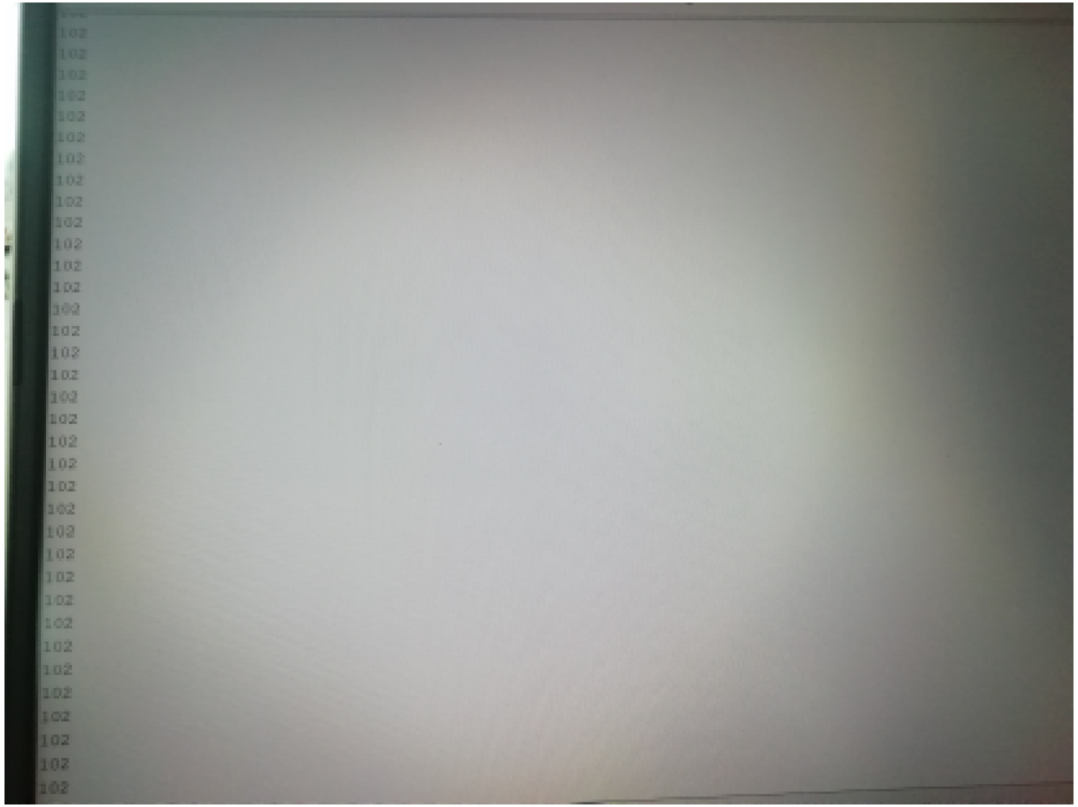
ABSTRACT

- The moisture sensing project is constructed using
- ARDUINO and MOISTURE SENSOR as its main
- Components and source code is written accordingly,
- Such that the system senses moisture. Previously
- The agriculture is very difficult job to do but in this
- Modern world, the agriculture can be made easy by
- using moisture sensor along with some other
- Sensors like light sensor, humidity sensor etc

SENSING MOISTURE IN AIR



OUTPUT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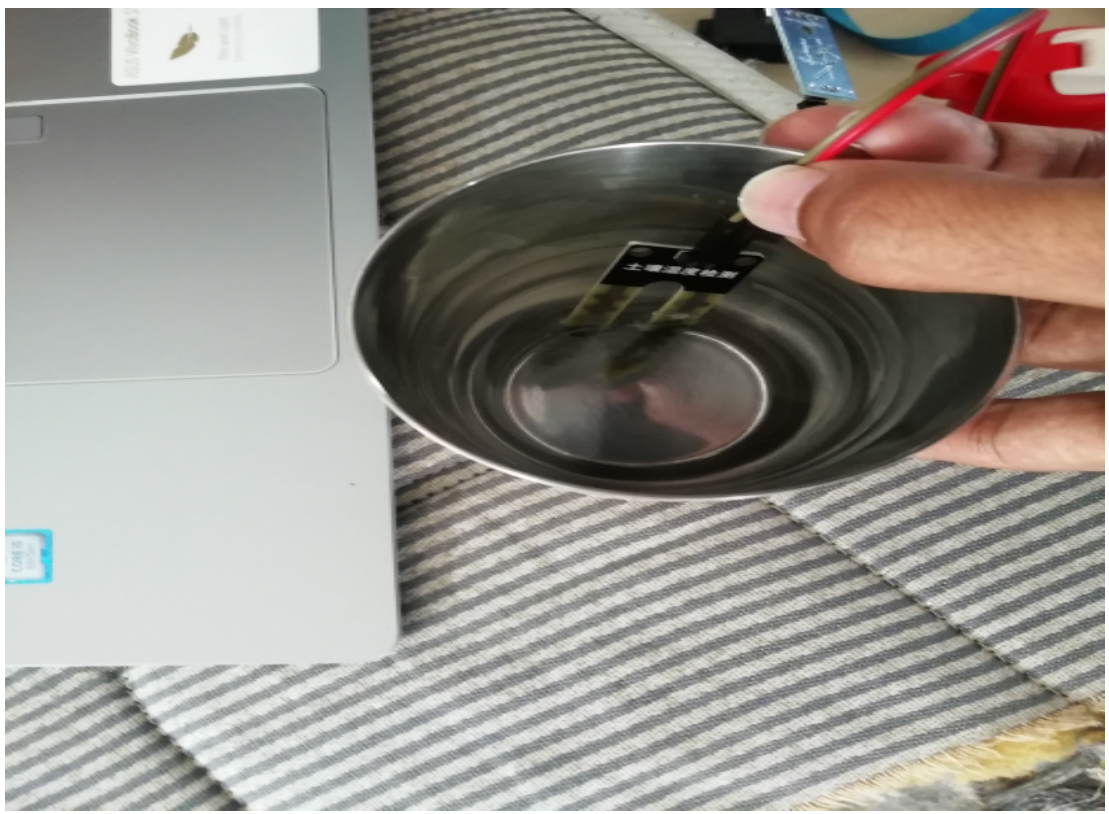
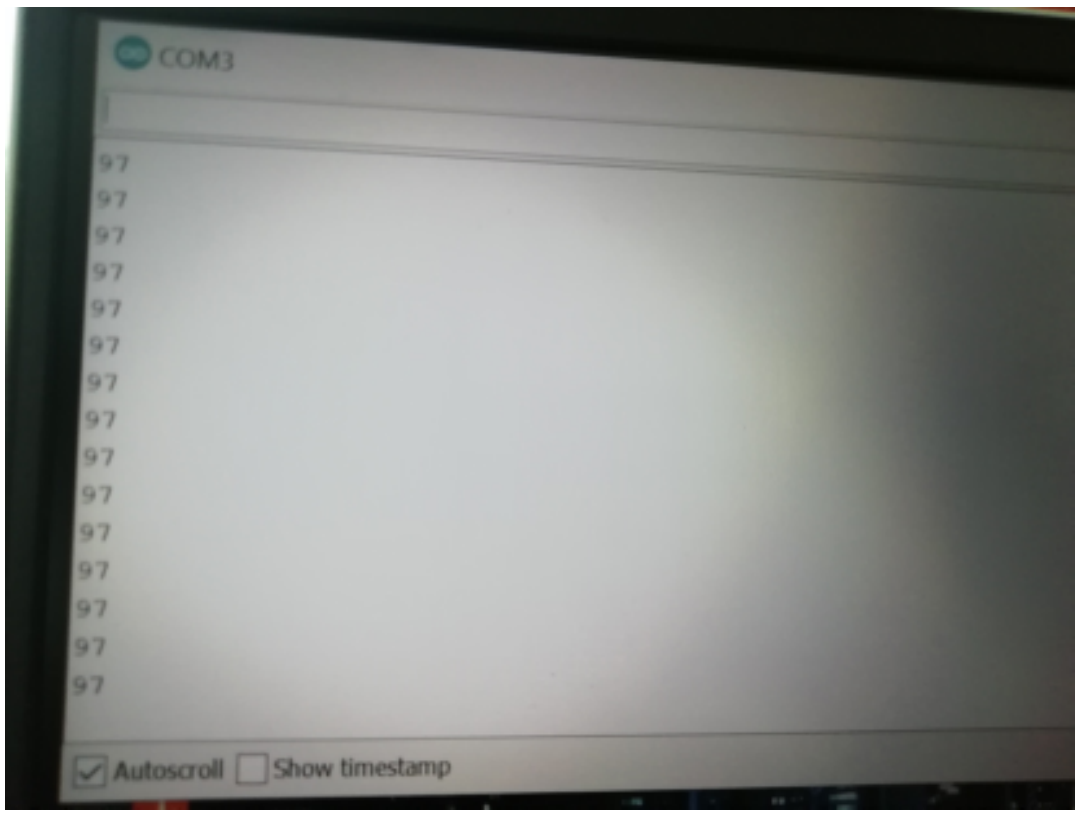
SENSORS USING IN WATER



OUTPUT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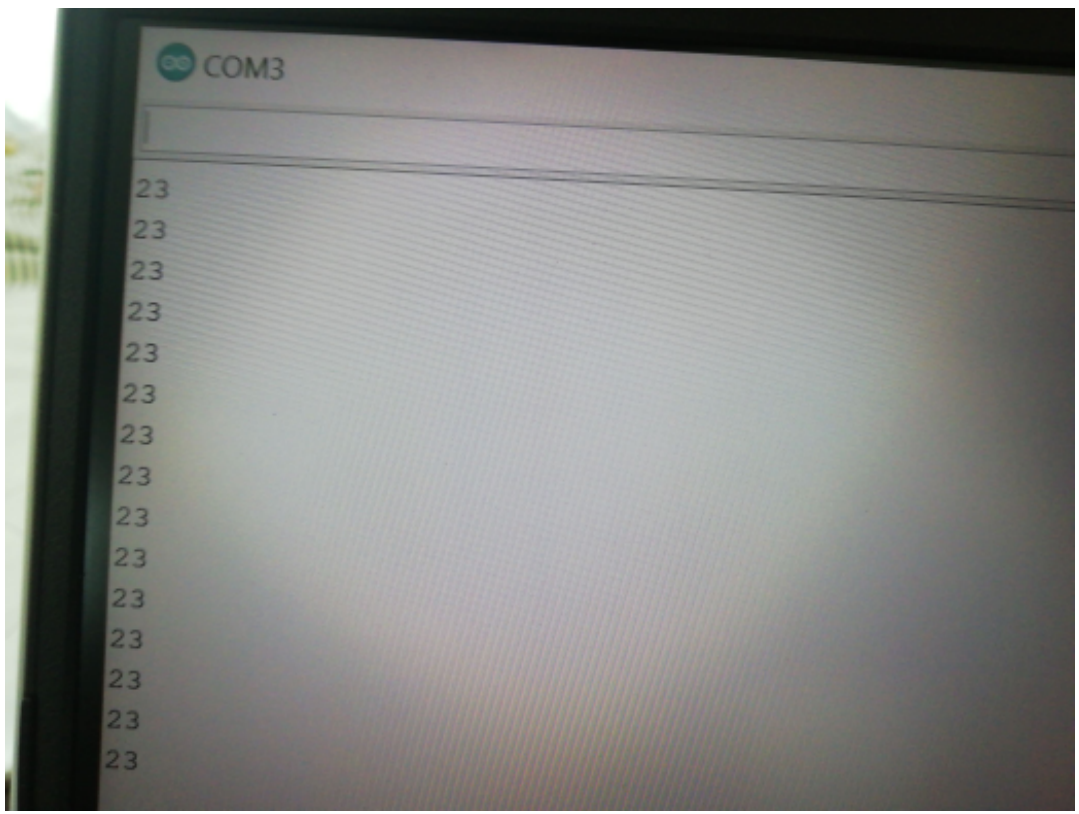
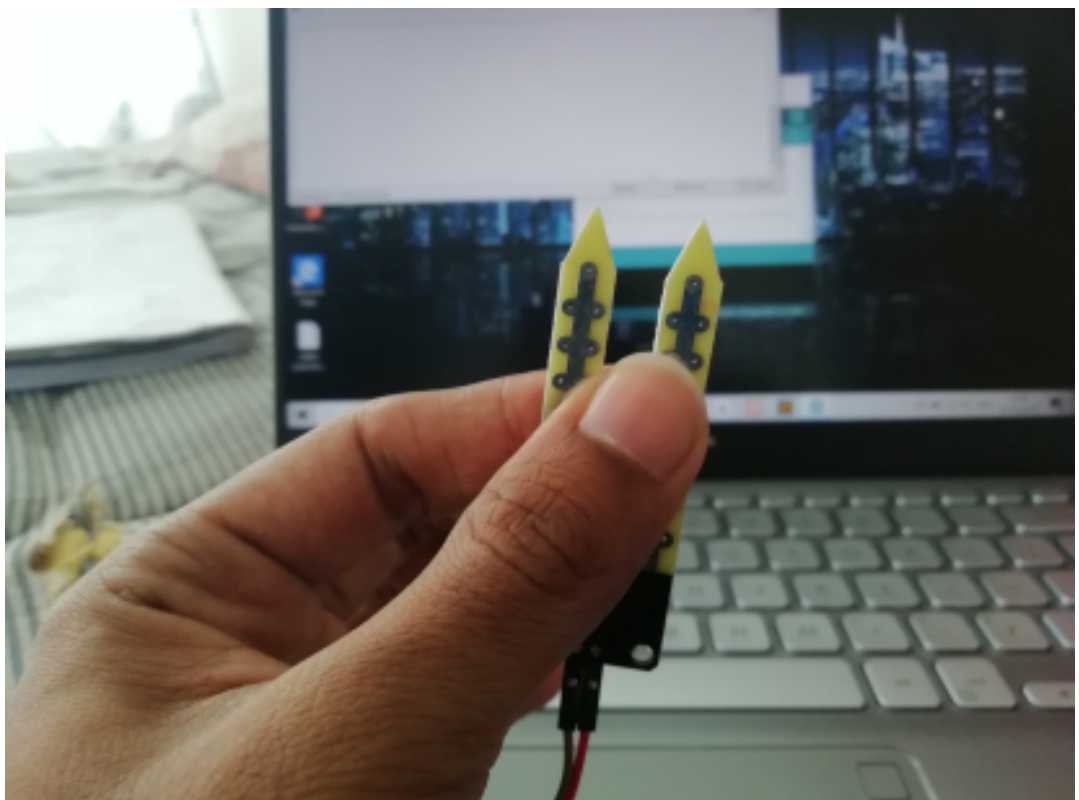
Autoscroll
Show timestamp

SENSING MOISTURE IN STEEL

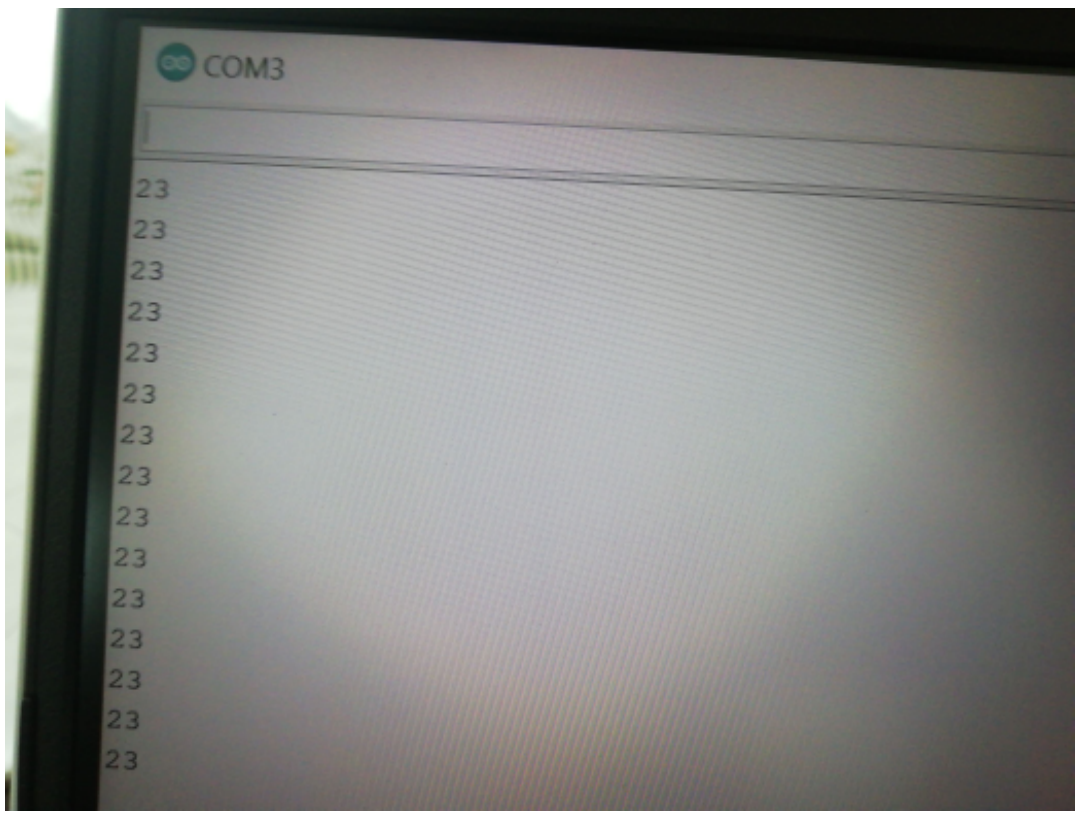
OUTPUT



SENSING MOISTURE IN BODY



OUTPUT



CODE

- Soil Moisture Measurement
- www.circuits4you.com
- */
- //the pins used:
- const int analogInPin = A0; // Analog input pin that the potentiometer is
- attached to
- int sensorValue = 0; // value read from the pot
- int outputValue = 0;

CODE

- void setup() {
- // initialize serial communications at 9600 bps:
- Serial.begin(9600);
- }
- void loop() {
- // read the analog in value:
- sensorValue = analogRead(analogInPin);

CODE

- // map it to the range of the analog out:
- outputValue = map(sensorValue, 0, 1023, 0, 100); //maps the adc values to 0 to
- 100%
- // print the results to the serial monitor:
- Serial.print("Soil Moisture Level = ");
- Serial.print(outputValue);
- Serial.println(" %");
- delay(1000);
- }