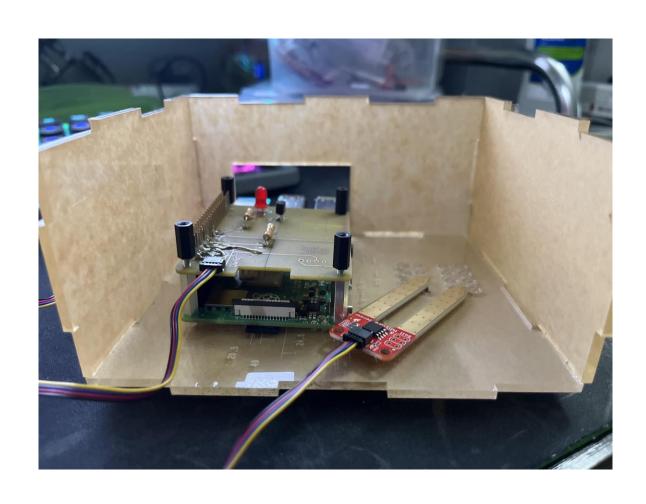
CENG-317 Project

Mi Nam Alcantara (n01451260) 2023

Enclosed Hardware & I2C Address



Bill Of Materials

Important Purchases

- Stacking Header
- Qwiic Socket
- Qwiic Cable
- 16mm Standoff
- M2.5 Screw
- Soil Moisture Sensor

# Bill Of Materials								
Part	Price in CAD	Quantity	Shipping Cost	Duty	Tax	Subtotal Paid	Subtotal propose to order	Expected Arrival Date
	0.70					\$ 0.70		Semester 1
5mm Red LED from Parts kit	0.26					\$ 0.26		Semester 1
220 Ohm Resistor from Parts kit	0.02					\$ 0.02		Semester 1
2.2 kOhm Resistor from Parts kit	0.02					\$ 0.02		Semester 1
	144.95					\$ 144.95		Semester 2
	7.91					\$ 7.91		Semester 2
	43.16					\$ 43.16		Semester 2
	20.99					\$ 20.99		Semester 2
	9.49					\$ 9.49		Semester 2
	4.24				0.55	4.79		*Reading Week*
Qwiic socket	0.81				0.11	0.92		*Reading Week*
Qwiic Cables	12.88				1.67	14.55		*Reading Week*
	1.11				0.58	5.02		*Reading Week*
	0.26	4			0.14	1.18		*Reading Week*
	96.11	0.02						Reading Wee
РСВ	6.62					\$ 6.62		Reading Wee
	1/min	TBD				\$ 1.00		Reading Wee
	0.15/gram	TBD				\$ 0.15		Reading Wee
SparkFun Qwiic Soil	13.67	1				\$ 13.67		

Project Schedule

1	Week	URL	Assignees	Status
2	Project Proposal	https://github.com/alcantaraMinam1260/hardware-project/issues/1	alcantaraMinam 1260	Done
3	Hardware Selection	https://github.com/alcantaraMinam1260/hardware-project/issues/2	alcantaraMinam 1260	Done
4	Mobile Project Report	https://github.com/alcantaraMinam1260/hardware-project/issues/3	alcantaraMinam 1260	Done
5	3d Printing Tutorial	https://github.com/alcantaraMinam1260/hardware-project/issues/4	alcantaraMinam 1260	Done
6	Proof Of Purchase/KiCad	https://github.com/alcantaraMinam1260/hardware-project/issues/5	alcantaraMinam 1260	Done
7	Mobile App Presentation	https://github.com/alcantaraMinam1260/hardware-project/issues/6	alcantaraMinam 1260	Done
8	Reading Week		alcantaraMinam 1260	Done
9	Soldering/Laser Cutting		alcantaraMinam 1260	Done
10	PCB Assembly		alcantaraMinam 1260	Done
11	Coding		alcantaraMinam 1260	Done
12	Mobile App integration with Sensors		alcantaraMinam 1260	Todo
13	Testing		alcantaraMinam 1260	Todo
14	Demonstration		alcantaraMinam 1260	Todo
15	Project Presentation		alcantaraMinam 1260	Todo
16	Group Final Presentation		alcantaraMinam 1260	Todo
17	Capstone Presentation		alcantaraMinam1260	Todo

Reading/Writing To Sensor

Course Knowledge Utilized

- TECH 101, CENG150 (Electric Circuits)
- TECH 104, CENG 153 (Programming)