

## Lab 3

COMP6043: Physical Computing

Student ID: R00201303

Date: 21.02.2022

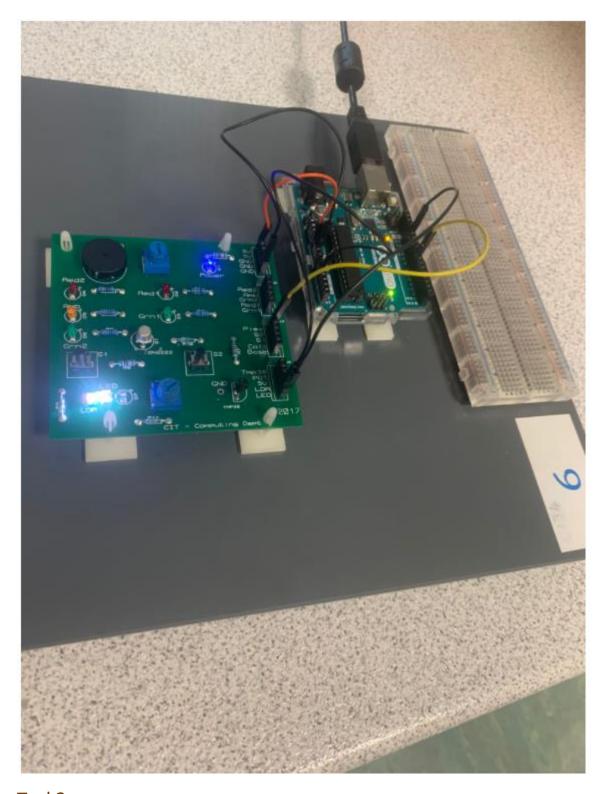
Group: COMP1D-Y

## Task1:

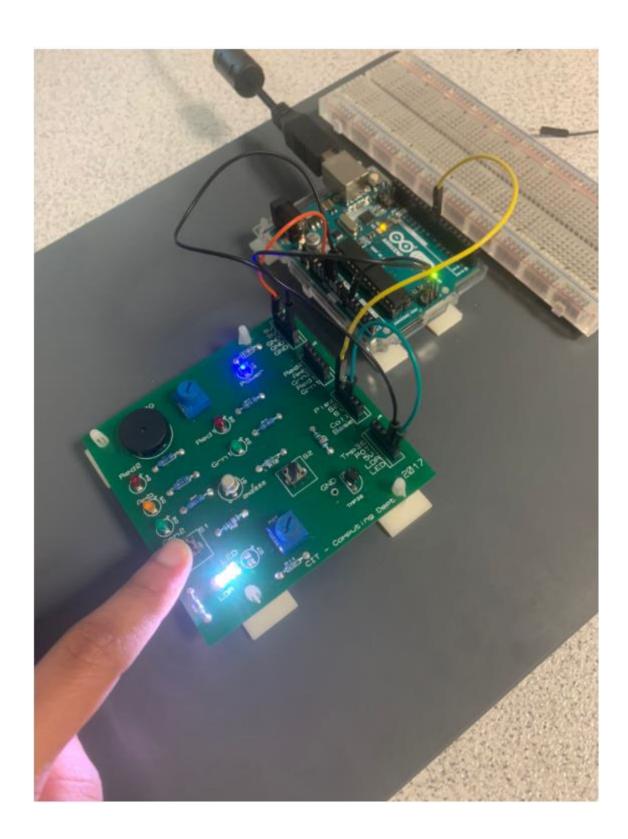


## Task2:

```
- ø ×
     tch uses 5412 bytes (164) of program storage space. Maximum is 32256 bytes.
bal variables use 221 bytes (104) of dynamic memory, leaving 1827 bytes for local variables. Maximum is 2648 bytes.
```



Task3:



## Task4:

```
- o ×
     )
else if (pitch > 1000 && pitch <-2000)
                 digitalWrite(4, LOW);
                 etch uses 5534 bytes (17%) of program storage space. Maximum is 32256 bytes.
chal variables use 221 bytes (10%) of dynamic memory, leaving 1827 bytes for local variables. Maximum is 2648 bytes.
 sketch_feb21s | Arduino 1.8.19
File Eds Sketch Tools Help

Sketch_feb21s

sensotNov - sensotValues
            )
// turn the LED off, signaling the end of the calibration period
digitalWrite(LED_PIN, LOW);
       distributed CED_FET, LOW; )

Joint lough; |

sensorValue = enalogises(b0);

sensorValue = enalogises(b0);

finat voltage = (sensorValue);

finat voltage = (sensorValue);

sensol_princ(b);

sen
        )
else if (pitch > 1000 && pitch <=2000)
              digitalWrite(4, LOW);
digitalWrite(5, HIGH);
digitalWrite(6, LOW);
          }
else if (pitch > 2000 as pitch <=3000)
            // play the tone for 20 ms on pin 8
come (8, pitch, 20);
// wait for 10 ms to give sound time to play
5elay(10);
               ettih uses 5534 bytes (17%) of program storage space. Maximum is 32256 bytes.
obal variables use 221 bytes (10%) of dynamic memory, leaving 1827 bytes for local variables. Maximum is 2048 bytes.
```

