Laboratory Exercise
Sensor Interfacing

Objective:

At the end of the exercise, the students should be able to:

- Create integrated systems in Arduino IDE using sensors.

Materials:

Precaution:

- Breadboard
- Dupont wires (male-to-male)
- Power supply (preferably 3.3v to 5v)
- Any modules and sensors included in the kit
- Arduino UNO or any variant clone
- Digital multimeter (for testing purposes of wires, LEDs, and resistors)
- Computer with Arduino IDE (Latest)

Procedure: Activity #1 – Sensor Interfacing

1. Create an integrated system that uses three (3) sensors.
2. Call the attention of the laboratory facilitator and present your final product/system.

GRADING RUBRIC (**50 points)**

Criteria/Scoring	Indicator	Score
Hardware Part	Organized and clean implementation of components and wires.	25
Programming Part	Correct usage of code and syntaxes. No syntax or logic errors found.	25
Total		**40**