**Microprocessor and Computer Architecture Laboratory**

**UE19CS256**

**4th Semester, Academic Year 2020-21**

Date:

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| --- | --- | --- |
| Name: | SRN: | Section |

Week#\_\_\_\_8\_\_\_\_\_\_ Program Number: \_\_\_\_1\_\_

### Implement a Buzzer with Arduino Simulation in Tinkercad

Arduino Code (1).

Output Screen Shot (1)

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Week#\_\_\_\_8\_\_\_\_\_\_\_ Program Number: \_\_\_\_2\_\_

**Implement a Tinkercad simulation that will read the value of a potentiometer and display it in serial monitor.**

Arduino Code (1).

Output Screen Shot (1)

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Week#\_\_\_\_8\_\_\_\_\_\_\_ Program Number: \_\_\_\_3\_\_

**Implement a Tinkercad simulation to measure a distance with the HC-SR04 ultrasonic sensor and show the result on the serial monitor.**

Arduino Code (1).

Output Screen Shot (1)

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Week#\_\_\_\_8\_\_\_\_\_\_\_ Program Number: \_\_\_4\_\_

**Implement a Tinkercad simulation to sense movement in a room with a PIR motion sensor and Arduino's digital input.**

Arduino Code (1).

Output Screen Shot (1)

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Week#\_\_\_\_8\_\_\_\_\_\_\_ Program Number: \_\_\_5\_\_

# Implement a Tinkercad simulation for gas leakage detection with buzzer system using Arduino

Arduino Code (1).

Output Screen Shot (1)

**Disclaimer:**

* The programs and output submitted is duly written, verified and executed by me.
* I have not copied from any of my peers nor from the external resource such as internet.
* If found plagiarized, I will abide with the disciplinary action of the University.

Signature:

Name:

SRN:

Section:

Date: