**Microprocessor and Computer Architecture Laboratory**

**UE19CS256**

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

Date:26/03/21

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| --- | --- | --- |
| Name: Achyut Jagini | SRN:PES2UG19CS013 | Section  A |

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

### Implement a Buzzer with Arduino Simulation in Tinkercad

Graphical user interface, application, Teams

Description automatically generated

Graphical user interface, Teams

Description automatically generated

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| Name: Achyut | SRN: PES2UG19CS013 | Section |

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

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

Graphical user interface, application

Description automatically generated

Graphical user interface

Description automatically generated

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| Name: Achyut | SRN: PES2UG19CS013 | Section |

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.**

1. Graphical user interface, diagram

   Description automatically generatedGraphical user interface, application

   Description automatically generated

**Graphical user interface, application

Description automatically generated**

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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.**

Graphical user interface

Description automatically generated

**Graphical user interface, application

Description automatically generated**