



PAMANTASAN NG LUNGSOD NG MAYNILA
(University of the City of Manila)
Intramuros, Manila

Microprocessor Lab

Laboratory Activity No. 1
Familiarization with TinkerCAD



Score

Submitted by:
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Saturday 1-4PM / CPE 0412.1-2

Date Submitted
16-09-2023

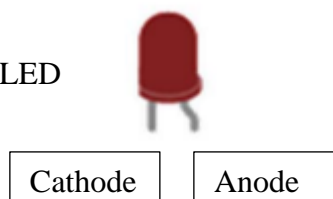
Submitted to:
Engr. Maria Rizette H. Sayo

1. Exercise

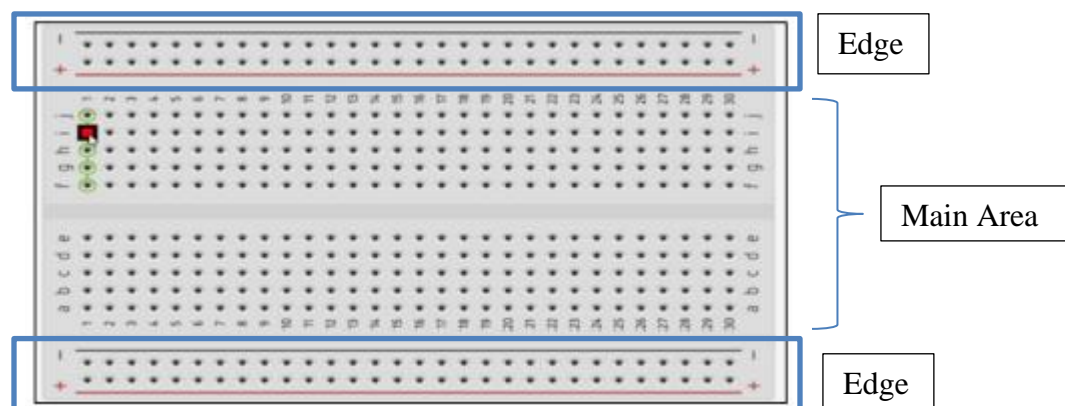
- a. A process in Tinkercad where we can develop electronic circuits that can be quickly updated, modified and tested is called Prototyping process.
- b. In Tinkercad, Start/Stop Simulation tests the working of the circuits and the components.
- c. The device used to assemble and connect the various components is known as breadboard.
- d. In an electronic circuit with LED, the positive end of the circuit should be connected to anode and negative end should be connected to cathode of the LED.
- e. A resistor is used to restrict the flow of current to electrical components.

2. Label the following:

- a. Anode and Cathode in a LED



- b. Different parts of breadboard



- c. List the electronic components used in a circuit assembly
 1. Resistor
 2. Battery
 3. LED
 4. Breadboard
 5. Switches
 6. Buzzers
 7. Potentiometer
 8. Capacitor
 9. Diode
 10. Inductor
 11. Multimeter
 12. Wire
 13. Transistor
 14. Integrated Circuit
 15. Sensor