



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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<4:00pm-7:00pm> / <CPE 0412.1-2>

Date Submitted
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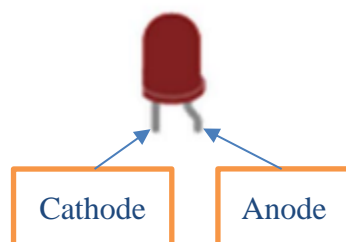
Submitted to:
Engr. Maria Rizette H. Sayo

1. Exercise

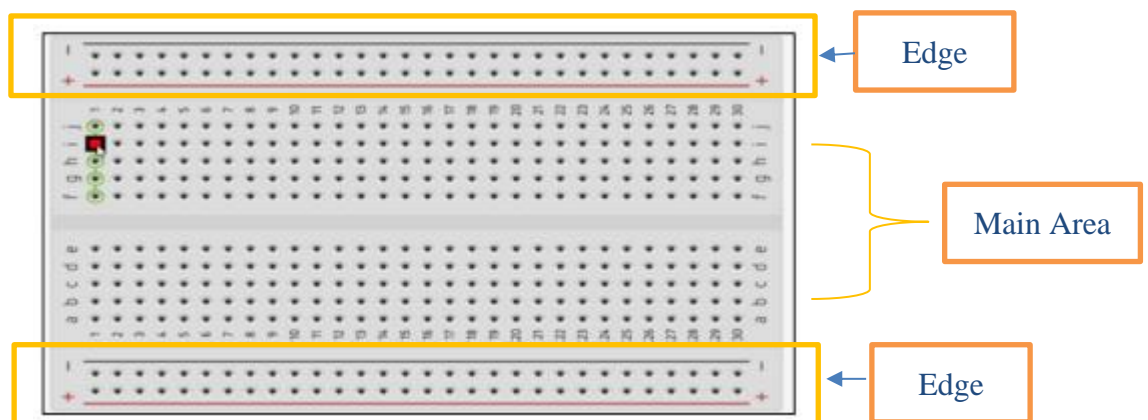
- A process in Tinkercad where we can develop electronic circuits that can be quickly updated, modified and tested is called prototyping.
- In Tinkercad, simulation tests the working of the circuits and the components.
- The device used to assemble and connect the various components is known as breadboard
- 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.
- A resistor is used to restrict the flow of current to electrical components

2. Label the following:

- Anode and Cathode in a LED



- Different parts of breadboard



- List the electronic components used in a circuit assembly
 - Led
 - Switch
 - Resistor
 - Power Source
 - Buttons
 - Breadboard
 - Buzzers
 - Capacitor
 - Diode

- Photoresistor
- Ultrasonic Distance Sensor
- Temperature Sensor