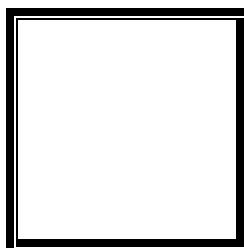




PAMANTASAN NG LUNGSOD NG MAYNILA
(University of the City of Manila)
Intramuros, Manila

Microprocessor Lab

Laboratory Activity No. 1
Familiarization with TinkerCAD



Score

Submitted by:
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S 01:00 pm – 07:00 pm / CpE 412-2

Date Submitted
16-09-2023

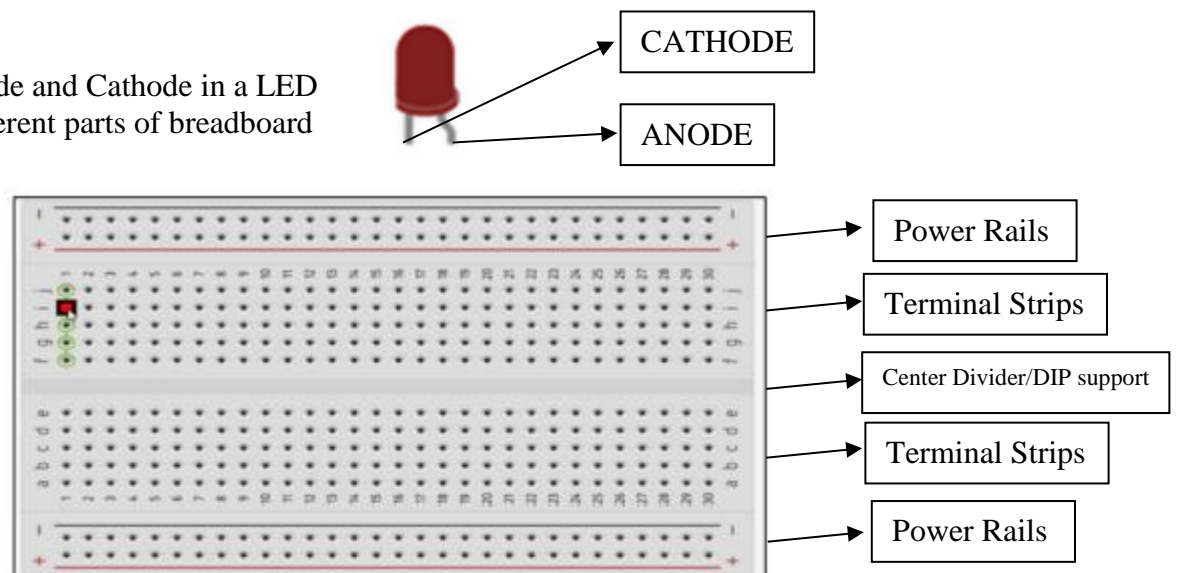
Submitted to:
Engr. Maria Rizette H. Sayo

1. Exercise

- A process in Tinkercad where we can develop electronic circuits that can be quickly updated, modified and tested is called **Prototyping process**.
- In Tinkercad, the **Start/Stop Simulation** tests the working of the circuits and the components.
- The device used to assemble and connect the various components is known as a **breadboard**.
- In an electronic circuit with LED, the positive end of the circuit should be connected to the **anode** and negative end should be connected to the **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
 - Resistors
 - Transistors
 - Capacitors
 - Inductors
 - Diodes
 - Transformers
 - Sensors
 - LEDs
 - Switches
 - Potentiometers