



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 1:00-7:00pm> / <CpE 412-2>

Date Submitted
09-16-2023

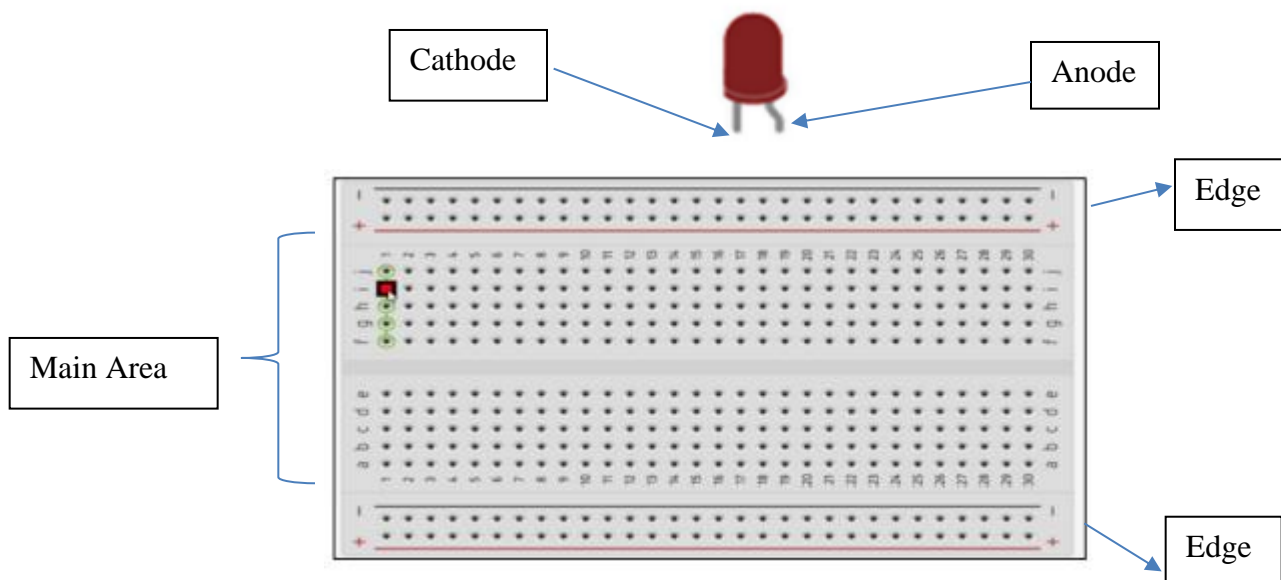
Submitted to:
Engr. Maria Rizette H. Sayo

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 **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
 - Breadboard
 - Arduino uno R3
 - Potentiometer
 - Resistor (1k ohms)
 - Jumper wire
 - LED