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 1pm to 4pm / Block 2

Date Submitted
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Submitted to:

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1. Exercise

a. A process in Tinkercad where we can develop electronic circuits that can be quickly updated, modified, and tested is called Breadboarding .

b. In Tinkercad, Simulation tests the working of the circuits and the components.

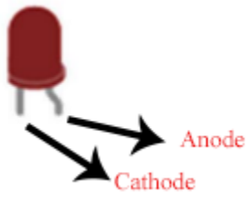
c. The device used to assemble and connect the various components is known as Breadboard .

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.

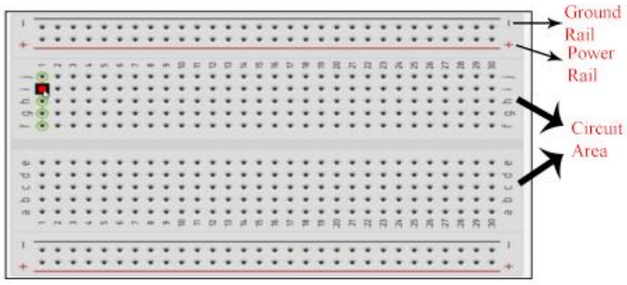
e. A Resistor is used to restrict the flow of current to electrical components.

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.

Analog I/O

- Arduino Uno R3
- Breadboard
- LED
- Resistor
- Wires
- Potentiometer

Digital I/O

- Arduino Uno R3
- Breadboard
- LED
- Resistor
- Wires