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-7pm / CPE 0412.1-2

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 ***prototyping process.***

b. In Tinkercad, ***the Start/Stop Simulation*** tests the working of the circuits and the components.

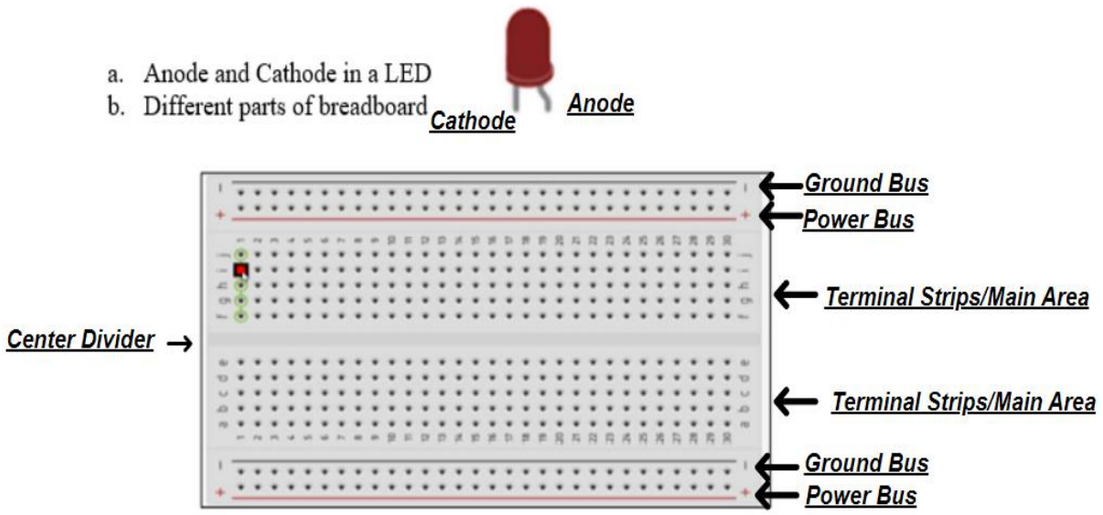
c. The device used to assemble and connect the various components is known as ***Breadboard.***

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.

BASIC ELECTRONIC COMPONENTS			
Resistor	Led	Pushbutton	Temperature Sensor
Potentiometer	Capacitor	Slide switch	Multimeter
Breadboard	Photoresistor	Micro Servo	Piezo
1.5V Battery	LED RGB	DC Motor	PIR Sensor
9v Battery	Arduino Uno R3	Micro:bit	Ultrasonic Distance Sensor
Hobby Gearmotor	Soil Moisture Sensor	Coin cell 3v Battery	NPN Transistor
Diode	Vibration Motor		