



**Faculty of Electrical & Electronics Engineering**  
**BEE2931 Basic PLC**

**Name:** \_\_\_\_\_ **ID:** \_\_\_\_\_ **Section:** \_\_\_\_\_

**EXERCISE**

**Mapping CO, PO, Domain, KI : CO1,P02**

CO1: Explain the principle, operation and function of PLC

PO1: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems

**Learning Outcomes:**

At the end of this laboratory, students should be able to:

- Identify circuit diagram of PLC
- Know the input and output cards and wiring connection
- Identify addressing of each input and output component of PLC panel

**INSTRUCTION**

Draw the PLC schematic diagram at your panel station. Label the modules, indicate their part numbers and state the function of each component.

2. Draw the electrical circuit for input card connection at your station. State the address for each input device.



3. Draw the electrical circuit for output card connection at your station. State the address for each output device.



**DISCUSSION**

1. List the main components of PLC and describe their functions.

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2. Explain how the address of each input and output devices are determined when there are 3 input modules and 2 output modules in the PLC system.

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