Faculty of Electrical & Electronics Engineering
BEE2931 Basic PLC

LAB 2

Mapping CO,P0,Domain,KI : CO1,P02
CO1: Describe the basic principle of PLC and its function
P02: Ability to acquire in-depth technical competency in specific engineering discipline.

Learning Outcomes:

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

a) Design and practice PLC ladder diagram regarding simplification flow chart for holding function.

b) Practice right attitude and safety procedure.

Instruction

1. Design ladder diagram for flow chart 1, 2 & 3,

2. Demonstrate the result to the instructor for verification.

3. Write down the result and the conclusion.
Flow chart 3

- Ladder diagram using KEEP

1. Push Start Button
2. Green light on
3. Push stop button
4. Green light off

- Ladder diagram using SET and RSET
- Ladder diagram using internal memory
Discussion

1. Why addressing for input and output in PLC programming is important?