



## EQUIPMENT OPERATION INSTRUCTIONS

Al Imam Mohammad Ibn Saud Islamic University, College of Engineering

Lab Name: Digital System Lab

Supervisor(s): Mohammad Obaidullah Kahn

Equipment Name: 8088/86 Microprocessor Kit

Department: Electrical Engineering Building: 308 Room: SR 137

Equipment Operation Objectives: This equipment is used to execute assembly language programs using 8086/88 advanced microprocessor. This requires an uninterrupted DC supply.

No	Operation Instructions
1	Write an assembly program using 8086/88 microprocessor language as per the specifications of the instructor/ Question on the observation book.
2	Switch on the supply for the kit.
3	Keeping the written assembly language program in front of you, Feed the program into the kit with the help of key board into the address assigned for it.
4	Note down the addresses of each instruction as you proceed typing the each line of the ALP.
5	Feed the input(s) into their address locations.
6	Execute the program with its command.
7	Go to the output address location of the memory and check the result.
8	Note down the inputs and corresponding outputs of your program into the observation book.
9	Switch off the supply of the microprocessor kit.
10	Read the Manual for for Debug and 8088/86 kit commands.

**Hazards:** Electrical supply should be switch off when equipment is not in use to prevent overheating in transformers and other components of equipment.

**Required PPE:-**

**Comments:** Careful handling should be done while entering the program. Proper commands must be used. Make sure you have saved your program in the memory. Feed input data before execution of the program to get correct result.

