

LAB –I MICROPROCESSORS & MICROCONTROLLERS LABORATORY
DEPARTMENT-ECE

EC8681 (EVEN Semester)

Regulations: R17

List of experiments recommended as per Anna University

8086 Programs using kits and MASM:

1. Basic Arithmetic and Logic Operations.
2. Move a data block without overlap.
3. Code conversion, decimal arithmetic and Matrix operations.
4. Floating point operations, string manipulations, sorting and searching.
5. Password checking, Print RAM size and system date.
6. Counters and Time Delay.

Peripherals and Interfacing Experiments:

7. Traffic Light Controller.
8. Stepper motor control.
9. Digital clock.
10. Keyboard and Display.
11. Printer status.
12. Serial Interface and Parallel Interface.
13. A/D and D/A interface and Waveform Generation.

8051 Experiments using kits and MASM

14. Basic arithmetic and Logic operations.
15. Square and Cube program, Find 2's complement of a number.
16. Unpacked BCD to ASCII

Estd - 2001