

Name of the laboratory:- Microprocessor Lab.

LIST OF EXPERIMENTS.

PART- I

	Using 8085 Kits :-
1.	Procedure for entering the program.
2.	Procedure for executing the program.
3.	Procedure for examining the results.
4.	Memory map of kit, I/O address etc..
	Programming :-
5	Data transfer programs- 5 prog. Min.
6	Arithmetic operation- 5 prog. Min.
7	Logical operations- 5 prog. Min.
8	Counter and Looping - 5 prog. Min.
9	Using interrupts.
10	Using subroutines.
	Interfacing:-
11	Interfacing of 8255 , study of different modes.
12	Interfacing of 8253/51 , study of different modes.
13	Interfacing of 8251 (USART).
14	Interfacing of 8259 PIC.
15	Interfacing of 8279 (Key board & Display).
16	Interfacing of 8237/ 8257 .
17	Interfacing of 8155.
18	Interfacing of stepper motor.

19	Interfacing of A/ D Converter.
20	Interfacing of D/ A Converter.
21	Interfacing of DC motor.
22	Interfacing of Thumbwheel Switch.
	Advanced Microprocessor Programming.
23	Programming using Assemblers.
24	Circular queue implementation
25	Booth's Algorithm

PART-2

	Using 8086 Kits :- STAR 86A
26	Procedure for entering, executing & verifying the results.
27	Memory map of kit, I/O address maps.
28	Programming using Debug mode & study of debugger commands.
29	Programming using MASM assembler 10-15 prog..
	Interfacing:-
30	Interfacing of 8255.
31	Interfacing of 8253.
32	Interfacing of stepper motor.
33	Interfacing of ADC
34	Interfacing of DAC
35	Interfacing of DC Motor etc..