


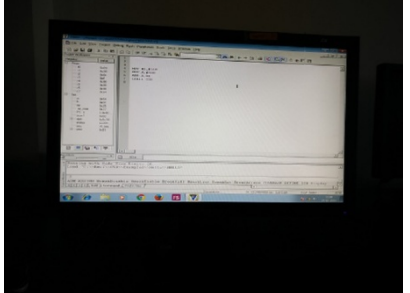









YEAR/ SEM : **III/II**
LAB NAME/CODE : **MPMC LAB/A60494**
LAB INCHARGE : **Mr. P.RAVINDER KUMAR**
LAB ASSISTANT : **Mr.Gopal**


LIST OF EXPERIMENTS:

1. Programs for 16 bit arithmetic operations for 8086 (using Various Addressing Modes).
2. Program for sorting an array for 8086.
3. Program for searching for a number or character in a string for 8086.
4. Program for string manipulations for 8086.
5. Program for digital clock design using 8086.
6. Interfacing ADC and DAC to 8086.
7. Parallel communication between two microprocessors using 8255.
8. Serial communication between two microprocessor kits using 8251
9. Interfacing to 8086 and programming to control stepper motor.
10. Interfacing to 8086 and programming to control stepper motor.
11. Program and verify Timer/Counter in 8051.
12. Program and verify Interrupt handling in 8051
13. UART Operation in 8051
14. Communication between 8051 kit and PC
15. Interfacing LCD to 8051
16. Interfacing matrix/ Keyboard to 8051
17. Data transfer from Peripheral to Memory through DMA controller 8237/8257

S.NO	EQUIPMEN	QUANTITY	SPECIFICATIONS	PHOTOS
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1	8086	5	JPNCE/ECE/MPI/ 8086	
2	8051	5	JPNCE/ECE/MPI/8051	
3	MASM	35	JPNCE/ECE/MPI/SYSTEM	
4	KEIL	35	JPNCE/ECE/MPI/SYSTEM	
5	COMPUTERS	35	JPNCE/ECE/MPI/SYSTEM	
6	LCD	1	JPNCE/ECE/MPI/LCD	

7	MATRIX KB INTERFACING	6	JPNCE/ECE/MPI/KB	
8	DMA	1	JPNCE/ECE/MPI/DMA	
9	ADC	5	JPNCE/ECE/MPI/ADC	
10	DAC	5	JPNCE/ECE/MPI/DAC	
11	8255 STUDY CARD	6	JPNCE/ECE/MPI/SC8255	
12	8251 STUDY CARD	5	JPNCE/ECE/MPI/SC8251	

13	STEPPER MOTOR	5	JPNCE/ECE/MPI/SM	
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