Department: Electronics and Communication Engineering

KEC552- MICROPROCESSOR AND MICROCONTROLLER LAB LISTOFEXPERIMENT

SUGGESTIVE LIST OF EXPERIMENTS

1. Write a program using 8085 Microprocessor for Decimal, Hexadecimal addition and subtraction of two Numbers.
2. Write a program using 8085 Microprocessor for addition and subtraction of two BCD numbers.
3. To perform multiplication and division of two 8 bit numbers using 8085.
4. To find the largest and smallest number in an array of data using 8085 instruction set.
5. To write a program using 8086 to arrange an array of data in ascending and descending order.
6. To convert given Hexadecimal number into its equivalent ASCII number and vice versa using 8086 instruction set.
7. To convert given Hexadecimal number into its equivalent BCD number and vice versa using 8086 instruction set.
8. To interface 8253 programmable interval timer and verify the operation of 8253 in six different modes.
9. To write a program to initiate 8251 and to check the transmission and reception of character.
10. Serial communication between two 8085 through RS-232 C port.
11. Write a program of Flashing LED connected to port 1 of the 8051 Microcontroller.
12. Write a program to generate 10 kHz square wave using 8051.
13. Write a program to show the use of INT0 and INT1 of 8051.
14. Write a program for temperature & to display on intelligent LCD display.

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LIST OF EQUIPMENT

Subject Code of the Lab : KEC552

Name of the Lab : MICROPROCESSOR AND MICROCONTROLLER LAB

S. No.	Name of Equipment
1	POWER SUPPLY A.C (230V Mains)
2	KEYBOARD (DELL WIRED)
3	8085 MICROPROCESSOR PROGRAMMING KIT, INSTRUCTION CODING SHEET. (SALICON-8085)
4	8086 MICROPROCESSOR PROGRAMMING KIT, INSTRUCTION CODING SHEET. (EXCEL-8086)
5	8051 MICROCONTROLLER PROGRAMMING KIT, INSTRUCTION CODING SHEET. (SALICON-8051)
6	FUNCTION GENERATOR (SCIENTIFIC 10MHZ 4061)
7	CRO (SCIENTIFIC 30MHZ HM - 203M)
8	INTERFACE KIT (EXCEL-8253)
9	INTERFACE KIT (EXCEL-8251)
10	INTERFACE KIT (EXCEL- RS-232 C)
11	INTERFACE KIT (SALICON- FLASHING LED 8051)