

## **Microprocessor and Microcontroller Laboratory**

<b>Sl. No.</b>	<b>Title of the Experiments</b>
01	Programs for 16-bit arithmetic operations for 8086 (using various addressing modes)
02	Program for sorting an array for 8086
03	Program for searching for a number or character in a string for 8086
04	Program for String manipulations for 8086
05	Program for digital clock design using 8086.
06	Interfacing ADC and DAC to 8086.
07	Parallel communication between two microprocessors using 8255.
08	Serial communication between two microprocessor kits using 8251.
09	Interfacing to 8086 and programming to control stepper motor.
10	Programming using arithmetic, logical and bit manipulation instructions of 8051
11	Program and verify Timer/Counter in 8051.
12	Program and verify interrupt handling in 8051.
13	UART operation in 8051.
14	Interfacing LCD to 8051.
15	Interfacing matrix or keyboard to 8051.
16	Data transfer from peripheral to memory through DMA controller 8237/8257
17	Programs for different arithmetic and logical operation using 8085.