

## Course Contents

### Laboratory Components:

#### A. Study Experiments

1. To study 8085 based microprocessor system
2. To study 8086 and 8086A based microprocessor system
3. To study Pentium Processor

#### B. Programming Based Experiments (any four)

1. To develop and run a program for finding out the largest/smallest number from a given set of numbers.
2. To develop and run a program for arranging in ascending/descending order of a set of numbers
3. To perform multiplication/division of given numbers
4. To perform conversion of temperature from 0 F to 0 C and vice-versa
5. To perform computation of square root of a given number
6. To perform floating point mathematical operations (addition, subtraction, multiplication and division)

#### C. Interfacing based Experiments (any four)

1. To obtain interfacing of RAM chip to 8085/8086 based system
2. To obtain interfacing of keyboard controller
3. To obtain interfacing of DMA controller
4. To obtain interfacing of PPI
5. To obtain interfacing of UART/USART
6. To perform microprocessor based stepper motor operation through 8085 kit
7. To perform microprocessor based traffic light control
8. To perform microprocessor based temperature control of hot water.

