

Microprocessor and Microcontroller Laboratory

- **List of Experiments:**

1. Microprocessor:

1. Sort a given set of 'n' numbers in ascending and descending orders using the Bubble Sort algorithm.
2. Generate the first 'n' Fibonacci numbers
3. Reverse a given string and check whether it is a palindrome or not.
4. Compute nCr using recursive procedure. Assume that 'n' and 'r' are non-negative integers.
5. Convert binary to ASCII for number less than 100.

2. Microcontroller:

1. Simple addition, subtraction, multiplication, division
2. Count number of one's in a number
3. Transfer of memory block
4. Unpacked the packed BCD number
5. Check whether number is even/odd
6. Check whether number is positive /negative

- **List of Equipments:**

1. T μ P Kit(8086)

- **Software:-**

1. 8086 emulator
2. Kill compiler

