SSN COLLEGE OF ENGINEERING
DEPARTMENT OF CSE

COMPUTER PRACTICES LABORATORY(GE6161)

Ex. No. 10 C Programming with user-defined functions and recursive functions

1) Perform the following operations on a set of n elements. Use switch statement. User defined functions should be used to perform each of the following operations.
- Search an element using binary search
- Sort the elements in ascending order using merge sort (use recursive functions)
- Find the arithmetic mean, variance and standard deviation of n elements
- Print the elements

2) Find nCr and nPr. Use recursive function to find the factorial of the given number.

3) Generate fibonacci series using recursive function.

4) Use function to find the smallest and largest element of a matrix.

5) Evaluate the cosine and sine series using function.