

**Branch : MCA**

**Semester : Spring Semester 2022-23**

**Course Code : CA3205**

**Laboratory Name : Numerical Computing using C++**

**Assignment No. : ASSIGNMENT – 9**

**Assignment Title : Templates**

- 1) To print an array of elements, use a function template for arrays of i. integers, ii. doubles, iii. Strings, and iv. Complex numbers
  
- 2) Use a function template to perform insertion sort on the arrays of i. integers, ii. doubles, iii. Distances (feet, inches)
  
- 3) Queue implementation using a Vector of STL
  
- 4) Contact List implementation using Map of STL.

\* implement necessary overloading functions whe required.

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