

Branch : MCA

Semester : Spring Semester 2022-23

Course Code : CA3205

Laboratory Name : Numerical Computing Lab (using C++)

Assignment No. : ASSIGNMENT – 5

Assignment Title : operator overloading

- 1) Overload + , − , * , -(unary), << and >> binary operators for Vector class. (at least one using friend operator function)
- 2) Overload mixed mode operation of * and / binary operators for Vector class and an integer type.
- 3) Overload ++ and - - (both pre and post) for Vector class. (At least one using friend operator function)
- 4) Define the following conversion function for Vector class.
 - a) Converting a Vector class object to float type (calculates magnitude).
 - b) Converting a Vector class object to a Matrix class object.

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