Silicon Institute of Technology, Bhubaneswar

B. Tech. 2nd Semester, Section – B

DSA Lab Assignment: #3 (Sparse Matrix)   Date: 18 - 04 – 2022

Name of the Student:

Registration Number:

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1. WAP in C to convert a matrix of order m x n into a Sparse Matrix (i.e in Triplet form).

   During conversion, do check that whether it is useful? Else don't do that. (Hints: Compare the

   number of elements in both the matrices).

2. WAP in C to convert a sparse matrix in triplet form to a traditional matrix.

3. WAP in C to convert a Sparse Matrix (in triplet form) to its Transpose Matrix (Triplet form).

4. WAP in C to add two Sparse Matrices (given in triplet form) and show the Resultant Sparse

   Matrix (in triplet form).