

INDIAN STATISTICAL INSTITUTE  
B.Stat – 3<sup>rd</sup> Year, 2018-2019 (Semester -I)  
Design and Analysis of Algorithms

**Assignment-1: Programming Assignment**

**Problems**

**Q1.** Write a C/C++ program to store a sparse matrix using linked list and compute its transpose in another linked list.

**Submission:-**

You have to submit the assignments by e-mail to [algo2018bstat3@gmail.com](mailto:algo2018bstat3@gmail.com) by 02.08.2018. The subject line of the e-mail should be Assignment 1. Your file name should be your roll number. As an example if your roll number is BS16XX then your file name should be bs16xx.c/cpp.

**Note 1:-** Implementations need to be in C/C++.

**Note 2:-** If copying is detected all the persons involved would be penalized. The degree of the penalty may even exceed the total marks allotted for assignments.