Indian Institute of Information Technology, Allahabad.

Course: Computer Networks

Batch: B. Tech. (IT) - 4th semester

Lab Assignment #1

Lab Sessions on 24/01/2023 Deadline: 28/01/2023

Instructor: Dr. Nabajyoti Mazumdar

- 1. Install Linux in your system. Write all programs in C programming language.
- 2. Go through the man pages of following system routines and explore different parameters used. Submit a brief summary too.
 - i. socket
 - ii. bind
 - iii. connect
 - iv. listen
 - v. accept
 - vi. send
 - vii. recv
 - viii. sendto
 - ix. recvfrom
 - x. close
 - xi. shutdown
 - xii. fork
- 3. Implement any one of the following sorting algorithm:
 - i. Quick Sort
 - ii. Merge Sort
 - iii. Insertion Sort

Your program should take unsorted list of data from a file, sort and write back to the file after the unsorted list.

4. Implement linked list and all its operation and demonstrate with suitable input/output operations.