**NMAM.I.T., NITTE**

**DEPARTMENT OF MCA**

**II SEM MCA**

**NETWORK ASSIGNMENTS : 1**

1. Program to implement frame-sorting.

* Each frame contains sequence number,time and message.
* Sequence number must be a random number of 2 digits, Regenerate the repeated Sequence number.
* Sort the frames based on sequence number using bubble sort technique
* Display all the information of the packet before sort and after sorting neatly

2. Program to implement frame-sorting. Each frame contains sequence number,time and message. Sequence number must be a random number of 4 digits. Sort the frames based on sequence number using quick sort technique.

3. Program to implement frame-sorting.

* Each frame contains sequence number, packet ID, Source IP Address, Destination IP Address, port number and message.
* Sequence number must be a random number of 3 digits, Regenerate the repeated Sequence number.
* Sort the frames based on sequence number using insertion sort technique.
* Display all the information of the packet neatly