08.707 OPERATING SYSTEMS AND NETWORK PROGRAMMING LAB 0 - 0 - 4

1. Inter-process communication using mail boxes, pipes, message queues and shared memory
2. Implementation of dining philosophers problem by multiprogramming using threads, semaphores and shared memory
3. Implementation of bankers algorithm
4. Software simulation of Medium Access Control protocols – 1) Go Back N. 2) Selective Repeat and 3) Sliding Window
5. Implementation of a sub set of simple mail transfer protocol using UDP
6. Implementation of a sub set of a file transfer protocol using TCP/IP
7. Implementation of finger utility using remote procedure call (RPC)

Internal Continuous Assessment *(Maximum Marks-50)*

20 Marks - Tests (minimum 1)
20 Marks - Up-to-date lab work, problem solving capability, keeping track of rough record and fair record, term projects, assignment-software exercises, etc.
10 Marks - Regularity in the class

University Examination Pattern *(Maximum marks – 100)*

Marks should be awarded as follows:

20 Marks - Algorithm/Design.
25 Marks - Viva voce.
30 marks - Implementing the work/Conducting the experiment.
25 Marks - Output/Results and inference.

General instructions:

- Evaluation is a serious process that is to be conducted under the equal responsibility of both the internal and external examiners.
- The number of candidates evaluated per day should not exceed 20