

## **Assignment: Operating System**

1. Simulate the following CPU scheduling algorithms
  - a) Round Robin
  - b) SJF
  - c) FCFS
  - d) Priority
2. Simulate all file allocation strategies
  - a) Sequential
  - b) Indexed
  - c) Linked
3. Simulate MVT(Multiprogramming with a Variable number of Tasks) and MFT (Multiprogramming with a Fixed number of Tasks)
4. Simulate Bankers Algorithm for Dead Lock Avoidance
5. Simulate Bankers Algorithm for Dead Lock Prevention
6. Simulate all page replacement algorithms
  - a) FIFO
  - b) LRU
  - c) LFU Etc. ...
7. Simulate Paging Technique of memory management