



Nalla Narasimha
Reddy Group of
Institutions

NNRG
Integrated Campus

NALLA NARASIMHA REDDY

Education Society's Group of Institutions - Integrated Campus

Near Narapally, Chowdariguda (V), Korremula 'X' Road, Ghatkesar (M), Medchal District, Hyderabad - 500088, T.S.

SCHOOL OF ENGINEERING

Department of Computer Science & Engineering

OPERATING SYSTEMS

LIST OF EXPERIMENTS

Sl. No.	Name of the Experiment
1	Write C programs to simulate the following CPU scheduling algorithms: a) Round Robin b) SJF
2	Write C programs to simulate the following CPU scheduling algorithms: a) FCFS b) Priority
3	Write C programs to simulate the following File organization techniques: a) Single level directory b) Two level c) Hierarchical
4	Write C programs to simulate the following File allocation methods: a) Contiguous b) Linked c) Indexed
5	Write a C program to copy the contents of one file to another using system calls.
6	Write a C program to simulate Bankers Algorithm for Dead Lock Avoidance
7	Write a C program to simulate Bankers Algorithm for Dead Lock Prevention
8	Write C programs to simulate the following page replacement algorithms: a) FIFO b) LRU c) LFU
9	Write C programs to simulate the following techniques of memory management: a) Paging b) Segmentation
10	Write a C program to implement the ls sort command. (Use unnamed Pipe)
11	Write a C program to solve the Dining- Philosopher problem using semaphores.
12	Write C programs to implement ipc between two unrelated processes using named pipe.

ADDITIONAL EXPERIMENTS

Sl. No.	Name of the Experiment
1	Write C programs to implement Multiprogramming Variable Task
2	Write C programs to implement Multiprogramming with Fixed Task