**Guidelines for preparation of lab record**

**1.Program to illustrate different file related system calls.**

Write about creat(),open(),read(),write(),close() and lseek() system calls.

Programs related to each system calls covered in lab

Output (should be snapshot)

2. **.Program using process related system calls.**

Write about fork(),getpid(),getppid(),wait(),sleep() ,execlp()andexecvp() system calls.

Programs related to each system calls covered in lab

Output (should be snapshot)

3.**Implement CPU Scheduling algorithms**

(i) FCFS

(II) SJF

(ii) Round Robbin

Write algorithm for each of the scheduling techniques .

Programs related to it.

Output (should be snapshot)

4.**Bankers Algorithm for Deadlock Detection and Avoidance**

Write algorithm for each of the scheduling techniques .

Programs related to it.

Output (should be snapshot)

5.**Implement Page Replacement Algorithms**

(i) FIFO

(ii)LRU

Write algorithm for each of the scheduling techniques .

Programs related to it.

Output (should be snapshot)

6.**Echo server using pipes and named pipe**

Write about pipe() and mkfifo( ) system calls.

Programs related to each system calls covered in lab

Output (should be snapshot)

NOTE: program order need to be followed. submission next week.index page with page numbers and date has to be completed.