DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
OPERATING SYSTEM LABORATORY

Virtual Lab Link:

S.NO.	NAME OF THE EXPERIMENT	Hyper Link
1	Basics of UNIXcommands	https://www.guru99.com/must-know-linux-commands.html
2	Write programs using the following system calls of UNIX operating system fork, exec, getpid, exit, wait, close, stat, opendir,readdir	https://www.youtube.com/watch?v=IFEFVXvjiHY https://www.youtube.com/watch?v=CHs9WwvEKdg https://www.youtube.com/watch?v=RpKQO3hgvD4&t=141s
3	Write C programs to simulate UNIX commands like cp, ls, grep,etc.	https://www.youtube.com/watch?v=GuOS-wEH_A0
4	ShellProgramming	https://www.youtube.com/watch?v=GtovwKDemnI
5	Write C programs to implement the various CPU SchedulingAlgorithms	https://www.youtube.com/watch?v=AiVKIdGheEU&list=PLIY8eNdw5tW_lHyageTADFKBt9weJXndE
6	Implementation ofSemaphores	https://www.youtube.com/watch?v=VxVF6QzwtwI
7	Implementation of Shared memory andIPC	https://www.youtube.com/watch?v=ZuJCPjN6rU8
8	Bankers Algorithm for DeadlockAvoidance	https://www.youtube.com/watch?v=gSyq7wqjTSc
9	Implementation of Deadlock DetectionAlgorithm	https://www.youtube.com/watch?v=7le8AzDCOTU
10	Write C program to implement Threading & SynchronizationApplications	https://www.youtube.com/watch?v=XWWfpKFmXpY
11	Implementation of the following Memory Allocation Methods for fixedpartition a)FirstFit b)WorstFit c) BestFit	https://www.youtube.com/watch?v=3hc-Urx4S8g
12	Implementation of Paging Technique of MemoryManagement	https://www.youtube.com/watch?v=0Rf5Jc61ArM
13	Implementation of the following Page ReplacementAlgorithms a) FIFO b)LRU c)LFU	https://www.youtube.com/watch?v=9u5pCxLviCs
14	Implementation of the various File OrganizationTechniques	https://www.youtube.com/watch?v=Qd33TOYVzpI

| 15 | Implementation of the following File Allocation Strategies
a)Sequential   b)Indexedc)Linked | https://www.youtube.com/watch?v=fL1RNKb2dQA |