Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY, KALADY
Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University
Vidya Bharathi Nagar, Kalady, Ernakulam, Kerala
www.adishankara.ac.in

Schedule for implementation of the course: CSL 204,OPERATING SYSTEMS LAB

Lab/Class	Experiment Name	Course Outcome	Knowledge Level
1	Basic Linux commands	CO1	Apply
2	Shell programming -Command syntax -Write simple functions with basic tests, loops, patterns	CO1	Apply
3	Write a program to create a process in Linux.	CO2	Apply
4	Write programs using the following system calls of Linux operating system: fork, exec, getpid, exit, wait, close, stat, opendir, readdir	CO1	Apply
5	Write programs using the I/O system calls of Linux operating system (open, read, write)	CO1	Apply
INTERNAL ASSESSMENT TEST-1			
6	Non preemptive scheduling- FCFS, SJF, Priority	CO3	Apply
7	Preemptive scheduling- RR, SRTF, Priority	CO3	Apply
8 9	Implement programs for Inter Process communication using Shared Memory * Write a C program to simulate Bankers algorithm for the purpose of deadlock avoidance		

Schedule for implementation of the course: CSL 204,OPERATING SYSTEMS LAB

10	Write a C program to simulate following contiguous memory allocation techniques a) Worst-fit b) Best-fit c) First-fit	CO6	Apply
11	Write a C program to simulate page replacement algorithms a) FIFO b) LRU c) LFU	CO4	Apply
	.	CO5	Apply
INTERNAL ASSESSMENT TEST-II			
12	Write a C program to simulate disk scheduling algorithms a) FCFS b) SCAN c) C-SCAN	CO6	Apply
		CO2	Apply
13	Implement Semaphores*	CO2	Apply
		CO3	Understand
FINAL ASSESSMENT			