

Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned			
		L	T	P	L	T	P	Total
CEL43	Operating System Lab	--	--	2	--	--	1	1
		Examination Scheme						
		ISE			ESE			Total
					Practical	Oral		
40			10		10	60		

Pre-requisite Course Codes	CEL35 (Linux Lab)	
At end of successful completion of this course, student will be able to		
Course Outcomes	CO1	To implement process system call in Unix.
	CO2	Apply various process scheduling/disk scheduling algorithm.
	CO3	Implement inter process communication.
	CO4	Implement various file and memory management strategy.
	CO5	Demonstrate BIOS system security using virtual machine.

Exp. No.	Experiment Details	Ref.	Marks
1	Implement process system call in Unix OS.	1,2	5
2	Implement CPU scheduling algorithm.	1	5
2	Implement Producer consumer problem using Semaphore.	1	5
3	Implement bankers algorithm for deadlock avoidance.	1	5
4	Implement inter process communication	1	5
5	Implement system calls for mv,cp.	1,2	5
6	Implement disk scheduling algorithm	1	5
7	BIOS CMOS and BOOT process : Study BIOS setting security	1	5
8	Implement demand paging .	1	5
Total Marks			40

References:

- [1] Silberschatz A., Galvin P., Gagne G. "Operating Systems Principles", Willey 9th edition.
- [2] Maurice J. Bach, "The Design of Unix Operating System", Prentice Hall.