



Subject	Unix System Programming												15CS744		
COURSE OUTCOMES															
CO No.	On completion of this course, students will be able to:												Cognitive Level		
15CS744.1	Understand ANSI C, C++ standards, POSIX standards, UNIX & POSIX API's for UNIX operating system.												L2		
15CS744.2	Understand the UNIX File, File System, UNIX Kernel support for files and different types of APIs.												L2		
15CS744.3	Understand the concept of processes and process Control.												L2		
15CS744.4	Understand the concepts of process relationships, signal handling mechanism, daemon characteristics, coding rules and error logging.												L2		
15CS744.5	Understand the IPC issues and techniques in UNIX system programming.												L2		
CO-PO-PSO MAPPING															
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
15CS744.1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-
15CS744.2	2	1	-	-	-	-	-	-	-	-	-	2	2	-	-
15CS744.3	2	1	-	-	-	-	-	-	-	-	-	2	2	-	-
15CS744.4	2	1	-	-	-	-	-	-	-	-	-	2	2	-	-
15CS744.5	2	1	-	-	-	-	-	-	-	-	-	2	2	-	-
15CS744	1.8	1.0	-	-	-	-	-	-	-	-	-	1.8	1.8	-	-

CO-PO-PSO JUSTIFICATION

CO No.	PO/PSO	CL	Justification
15CS744.1	PO1	1	Able to understand the fundamentals of C and C++ and will be able to apply Posix standards and APIs to handle applications with respect to unix operating system.
	PO2	1	Identify the standard processes of Unix operating system and thus recognize the parameters to solve the problem.
	PO12	1	Identify the lacunae in the APIs and thus be able to frame new APIs.
	PSO1	1	Understand the purpose of standards and APIs and effectively implement them.
15CS744.2	PO1	2	Understanding about the file system, which is the fundamental unit of the operating system and thus applying the principles of computer science engineering to handle the file systems.
	PO2	1	Identify the file attributes and Kernel support for file system and hence compare and contrast the existing solutions.
	PO12	2	Able to identify the deficiencies with respect to file classes.
	PSO1	2	Understand file systems and Kernel support with respect to Unix operating system.
15CS744.3	PO1	2	Understand the fundamentals of processes, memory allocation, process control, job control, process accounting, User identification, terminal logins, network logins, and orphaned processes and apply effectively
	PO2	1	Identify the processes related activities, compare and contrast the process control an job control approaches.
	PO12	2	Identify the drawbacks with respect to terminal logins and network logins
	PSO1	2	Understand Unix processes.
15CS744.4	PO1	2	Understand the fundamentals of signaling handling, daemon processes, error logging, coding rules and apply effectively
	PO2	1	Identify signal handling processes, compare and contrast error logging.
	PO12	2	Identify the drawbacks with respect to error logging
	PSO1	2	Understand signal handling.
15CS744.5	PO1	2	Understand the fundamentals of Inter process communication and client server mechanism.
	PO2	1	Identify the types of IPCs, compare and contrast the same.
	PO12	2	Identify the drawbacks with respect to client server techniques.
	PSO1	2	Understand IPC.

Prepared by:

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Approved by:

(H.o.D)