



Course Outcomes & CO-PO-PSO Mapping and Justification

Subject	Operating Systems	18CS43
COURSE OUTCOMES:		
CO No.	On completion of this course, students will be able to:	Cognitive Level
18CS43.1	Understand the concepts of OS, the basic principles used in the design of modern operating system and process.	L2
18CS43.2	Understand the concepts of threads and mechanisms for synchronization.	L2
18CS43.3	Understand the concepts related to deadlock and memory management.	L2
18CS43.4	Understand the concepts of virtual memory management, file system.	L2
18CS43.5	Understand the concepts of secondary storage structure, protection and case study of Linux operating system.	L2

CO-PO-PSO MAPPING

CO No.	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
18CS43.1	1	-	-	-	-	-	-	-	-	-	-	2	-	2	-
18CS43.2	1	1	-	-	-	-	-	-	-	-	-	2	-	2	-
18CS43.3	1	1	-	-	-	-	-	-	-	-	-	2	-	2	-
18CS43.4	1	1	-	-	-	-	-	-	-	-	-	2	-	2	-
18CS43.5	1	1	-	-	-	-	-	-	-	-	-	2	-	2	-
Avg. Mapping	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	-	2.0	-

CO-PO-PSO JUSTIFICATION

CO No.	PO/PSO	CL	Justification
18CS43.1	PO1	1	Slightly mapped as students gain the knowledge on basics of operating system.
	PO12	2	Moderately mapped as students apply the concepts of operating system learnt in continuing professional development.
	PSO2	2	Moderately mapped as acquired knowledge helps students to provide novel approaches to the design of operating system.
18CS43.2	PO1	1	Slightly mapped as students gain the knowledge on concepts of threads and mechanisms for synchronization.
	PO2	1	Slightly mapped as students can use mathematical algorithmic knowledge to analyze process scheduling and synchronization problems.
	PO12	2	Moderately mapped as students apply the concepts of threads and process synchronization learnt in continuing professional development.
	PSO2	2	Moderately mapped as students can use the concepts of threads and process synchronization for the design of operating system.
18CS43.3	PO1	1	Slightly mapped as students gain the knowledge on concepts of deadlock and memory management.
	PO2	1	Slightly mapped as problem analysis is necessary to find solutions for the problems on deadlock.
	PO12	2	Moderately mapped as students apply the concepts of deadlock and memory management learnt in continuing professional development.
	PSO2	2	Moderately mapped as students can use the concepts of deadlock and memory management for the design of operating system.
18CS43.4	PO1	1	Slightly mapped as students gain the knowledge on concepts of virtual memory management and file system.
	PO2	1	Slightly mapped as problem analysis is necessary to find solutions for the problems on virtual memory management.
	PO12	2	Moderately mapped as students apply the concepts of virtual memory management and file system learnt in continuing professional development.
	PSO2	2	Moderately mapped as students can use the concepts of virtual memory management and file system for the design of operating system.
18CS43.5	PO1	1	Slightly mapped as students gain the knowledge on concepts of secondary storage structure and protection.
	PO2	1	Slightly mapped as problem analysis is necessary to find solutions for Disk scheduling problems.

	PO12	2	Moderately mapped as students apply the concepts of secondary storage structure and protection learnt in continuing professional development.
	PSO2	2	Moderately mapped as students can use the features of Linux for the design of operating system.

Prepared by

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