



VEMANA INSTITUTE OF TECHNOLOGY

Koramangala, Bengaluru - 34

Department of Computer Science & Engineering



Course Outcomes &CO-PO-PSO Mapping and Justification

Subject	OPERATING SYSTEMS	15CS64
COURSE OUTCOMES:		
CO No.	On completion of this course, students will be able to:	Cognitive Level
15CS64.1	Understand the concepts of OS, the basic principles used in the design of modern operating system and process.	L2 Understand
15CS64.2	Understand the concepts of threads and mechanisms for synchronization.	L2 Understand
15CS64.3	Understand the concepts related to deadlock and memory management.	L2 Understand
15CS64.4	Understand the concepts of virtual memory management, file system.	L2 Understand
15CS64.5	Understand the concepts of secondary storage structure, protection and case study of Linux operating system.	L2 Understand

CO-PO-PSO MAPPING

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
15CS64.1	1	-	-	-	-	-	-	-	-	-	-	2	-	2	-
15CS64.2	1	1	-	-	-	-	-	-	-	-	-	2	-	2	-
15CS64.3	1	1	-	-	-	-	-	-	-	-	-	2	-	2	-
15CS64.4	1	1	-	-	-	-	-	-	-	-	-	2	-	2	-
15CS64.5	1	1	-	-	-	-	-	-	-	-	-	2	-	2	-
15CS64	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	-	2.0	-

CO-PO-PSO JUSTIFICATION

CO No.	PO/PSO	CL	Justification
15CS64.1	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.
15CS64.2	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.
15CS64.3	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.
15CS64.4	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.
15CS64.5	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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Approved by:

(H.o.D)