



**Course Outcomes & CO-PO-PSO Mapping and Justification**

Subject	SYSTEM SOFTWARE & OPERATING SYSTEM LAB	18CSL67
<b>COURSE OUTCOMES:</b>		
CO No.	On completion of this course, students will be able to:	Cognitive Level
18CSL67.1	Develop LEX and YACC programs for lexical and syntax analysis phases of Compiler.	L3
18CSL67.2	Develop programs for top down and bottom-up parsing.	L3
18CSL67.3	Develop C program for CPU scheduling and generating machine code using triples.	L3
18CSL67.4	Develop C programs for deadlock handling and page replacement algorithms.	L3

**CO-PO-PSO MAPPING**

CO No.	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO7	PO8	PO9	PO 10	PO 11	PO12	PSO1	PSO2	PSO3
18CSL67.1	1	1			1	-	-	-	-	-	-	1	-	2	-
18CSL67.2	1	1				-	-	-	-	-	-	1	-	2	-
18CSL67.3	1	1	-			-	-	-	-	-	-	1	-	2	-
18CSL67.4	1	1	-			-	-	-	-	-	-	1	-	2	-
<b>Avg. Mapping</b>	<b>1.0</b>	<b>1.0</b>	-	-	<b>1.0</b>	-	-	-	-	-	-	<b>1.0</b>	-	<b>2.0</b>	-

**CO-PO-PSO JUSTIFICATION**

<b>CO No.</b>	<b>PO/PSO</b>	<b>CL</b>	<b>Justification</b>
18CSL67.1	PO1	1	Apply the knowledge slightly of lexical analysis to define different tokens and context free grammars for a particular language.
	PO2	1	Analyse the usage of regular expressions slightly to provide token definition for different language constructs.
	PO5	1	Slightly apply the knowledge of Lex tool and yacc tool to validate tokens of a particular language.
	PO12	1	Information acquired from the lex and yacc tools is slightly applicable for lifelong learning in the context of Compiler Construction.
	PSO2	2	Acquired knowledge helps moderately to analyze and design system software tools like lexers.
18CSL67.2	PO1	1	Apply the knowledge slightly of lexical analysis to define different tokens and context free grammars for a particular language.
	PO2	1	Analyse the usage of regular expressions slightly to provide token definition for different language constructs in case of parsing.
	PO12	1	Information acquired from the lex and yacc tools is slightly applicable for lifelong learning in the context of parser construction.
	PSO2	2	Acquired knowledge helps moderately to analyze and design parser using top down and bottom up approach.
18CSL67.3	PO1	1	Slightly apply the knowledge of CPU scheduling and dead lock concepts to develop real time application.
	PO2	1	Slightly analyze and devise the performance of different scheduling algorithms.
	PO12	1	Information acquired from the implementation of process scheduling is slightly applicable for lifelong learning in the context of operating system operations.
	PSO2	2	Acquired knowledge helps moderately to design different types of scheduling algorithms to build a real time application.
	PO1	1	Slightly apply the knowledge of memory

18CSL67.4			management concepts to develop real time application.
	PO2	1	Slightly analyze and devise the better optimization methods for memory management using different algorithm.
	PO12	1	Information acquired from the implementation of deadlock is slightly applicable for lifelong learning in the context of resource allocation.
	PSO2	2	Acquired knowledge helps moderately to provide service for better optimization and maintenance of a product

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