Course Outcomes & CO-PO-PSO Mapping and Justification

Subject	SYSTEM SOFTWARE & OPERATING SYSTEM LAB	17CSL67
COURSE OUTCOMES:		
CO No.	**On completion of this course, students will be able to:**	**Cognitive Level**
17CSL67.1	Develop LEX and YACC programs for lexical and syntax analysis phases of Compiler.	L3
17CSL67.2	Develop programs for top down and bottom-up parsing.	L3
17CSL67.3	Develop C program for CPU scheduling and generating machine code using triples.	L3
17CSL67.4	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
17CSL67.1	1	1			1	-	-	-	-	-	-	1	-	2	-
17CSL67.2	1	1				-	-	-	-	-	-	1	-	2	-
17CSL67.3	1	1	-			-	-	-	-	-	-	1	-	2	-
17CSL67.4	1	1	-			-	-	-	-	-	-	1	-	2	-
Avg. Mapping	**1.0**	**1.0**	**-**	-	**1.0**	**-**	**-**	**-**	**-**	**-**	**-**	**1.0**	**-**	**2.0**	**-**

CO-PO-PSO JUSTIFICATION

CO No.	PO/PSO	CL	Justification
17CSL67.1	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.
17CSL67.2	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.
17CSL67.3	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 management concepts to develop real time application.

17CSL67.4	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

Prepared by: **HoD**

J Brundha Elci/ Ruma Panda **Dr. M Ramakrishna**