Course Outcomes & CO-PO-PSO Mapping and Justification

Subject	Software Engineering	18CS35
COURSE OUTCOMES:		
CO No.	**On completion of this course, students will be able to:**	**Cognitive Level**
18CS35.1	Understand software engineering principles involved in building large software programs and process of requirements specification and requirements validation.	L2
18CS35.2	Understand the concepts of object orientation and development of class models.	L2
18CS35.3	Analyze system models for designing patterns.	L2
18CS35.4	Recognize the importance of software maintenance and complexities involved in software evolution.	L2
18CS35.5	Apply estimation techniques, schedule project activities and compute pricing.	L2

CO-PO-PSO MAPPING

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
18CS35.1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-
18CS35.2	2	1	2	-	-	-	-	-	-	-	-	1	2	-	-
18CS35.3	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-
18CS35.4	1	1	-	-	-	-	-	-	-	-	1	1	1	-	-
18CS35.5	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-
18CS35	1.0	1.0	2.0	-	-	-	-	-	-	-	1.0	1.0	1.2	-	-

CO-PO-PSO JUSTIFICATION

CO No.	PO/ PSO	CL	Justification
18CS35.1	PO1	1	Slightly mapped as students gain the knowledge of software engineering fundamentals, principles and understand the software requirements necessary for writing software requirement document.
	PO2	1	Slightly mapped as students understand the software engineering principles and problems involved in building large software programs
	PO12	1	Slightly mapped as students understand the necessary software requirements required for continuing professional development.
	PSO1	1	Slightly mapped as students understand the concepts of software engineering and software requirements required in building the applications.
18CS35.2	PO1	2	Moderately mapped as the students can understand the concepts of object orientation and development of class models.
	PO2	1	Slightly mapped as the students can identify different notations of class models.
	PO3	2	Moderately mapped as the students will be able to explore design alternatives to produce a variety of potential design solutions of class model suited to meet functional requirements.
	PO12	1	Slightly mapped as the students can use the concepts of object orientation and class models for object oriented design.
	PSO1	2	Moderately mapped as the students will be able to implement the concepts of object orientation and class models for application development.
18CS35.3	PO1	1	Slightly mapped as students will be able to analyze system models for designing patterns.
	PO2	1	Slightly mapped as students will be able to analyze complex system models using patterns.
	PO12	1	Slightly mapped as students can use the design patterns for analyzing system models.
	PSO1	1	Slightly mapped as students will be able to understand the system models and design patterns.
18CS35.4	PO1	1	Slightly mapped as students will be able to understand the software maintenance techniques.
	PO2	1	Slightly mapped as students will be able to identify the methodology for software development and maintenance.
	PO11	1	Slightly mapped as students will learn the importance of software maintenance and complexities involved in software evolution.
	PO12	1	Slightly mapped as students understand software maintenance and use agile methods for software development and managing.

	PSO1	1	Slightly mapped as students can design software development models and maintain.
18CS35.5	PO1	1	Slightly mapped as students Apply estimation techniques and compute pricing for project estimation.
	PO2	1	Slightly mapped as students be able to estimate the project and compute the project pricing using principles of mathematics.
	PO12	1	Slightly mapped as students will be able to schedule the project and compute the pricing for project.
	PSO1	1	Slightly mapped as students understand the estimation techniques to schedule a project and compute the pricing.

Prepared By **Approved By**

(Dr S Ambareesh/Ms. Ashwini M) **(H.o.D)**