Course Outcomes & CO-PO-PSO Mapping and Justification

Subject	DBMS lab with Mini project	15CSL58

COURSE OUTCOMES:

CO No.	On completion of this course, students will be able to:	Cognitive Level
15CSL58.1	Apply the database concepts, technology and create the relations by specifying primary and foreign keys.	L3
15CSL58.2	Construct a database by using data definition, data manipulation and control languages.	L6
15CSL58.3	Design a Database application and retrieve the values with the help of queries using SQL.	L6
15CSL58.4	Implement, analyze and evaluate the project developed for an application.	L4

CO-PO-PSO MAPPING:

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
15CSL58.1	3	2	1	-	3	-	-	-	-	-	-	2	3	-	-
15CSL58.2	3	-	-	-	-	-	-	-	-	-	-	2	2	-	-
15CSL58.3	3	2	2	2	3	-	-	-	-	-	-	3	3	-	-
15CSL58.4	3	2	-	-	3	-	-	-	-	-	-	2	2	-	-
15CSL58	**3.0**	**2.0**	**1.5**	**2.0**	**3.0**	**-**	**-**	**-**	**-**	**-**	**-**	**2.3**	**2.5**	**-**	**-**

CO-PO-PSO JUSTIFICATION:

CO No.	PO/ PSO	CL	Justification
15CSL58.1	PO1	3	The student becomes able to design a database and include integrity constraints in it for data storage.
	PO2	2	The student can analyze a problem based on its data requirements.

	PO3	1	The student can design the structure of the tables based on the given problem.
	PO5	3	The student becomes well versed in using oracle tool (SQL PLUS) for designing database solutions.
	PO12	2	The student becomes well versed in using SQL plus for designing database solutions.
	PSO1	3	The student is able to understand the basics of database design and its core principles and apply them for application software development.
15CSL58.2	PO1	3	The student is able to construct the database using any SQL commands.
	PO12	2	The student becomes well versed in using SQL plus for constructing database.
	PSO1	2	The student is able to use the concepts of database design in application development.
15CSL58.3	PO1	3	The student is able to retrieve the data from the database using any SQL commands.
	PO2	2	The student can analyze a query and resolve based on problem statement.
	PO3	2	The student can apply different design solutions such as schema diagram, ER diagrams for the given problem.
	PO4	2	Define a problem, its scope and importance for the purpose of investigation such as Relational Design and analyze the tool such as Oracle 11g etc.
	PO5	3	Ability to select and apply discipline-specific tools, techniques and resources like oracle 11g.
	PO12	3	Identify deficiencies like Assertions, Triggers and Procedures in knowledge and demonstrate an ability to source information to close this gap.
	PSO1	3	The student is able to use the concepts of database design in application development to retrieve the data.
15CSL58.4	PO1	3	The student gets a general knowledge about how to design and develop a mini project.
	PO2	2	The student gets an idea on how to work as a team to analyze a given problem definition.
	PO5	3	The student is able to use modern tools to develop a small database project by working as a team.
	PO12	2	The student is able to perform database connectivity from front-end applications.
	PSO1	2	The student is made able to design and develop small sized applications using databases in the back-end.

Prepared by: **Approved by:**

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