NIRMA UNIVERSITY

Institute:	Institute of Technology		
Name of Programme:	Integrated B.Tech.(CSE)-MBA		
Course Code:	CSI0505		
Course Title:	PL-SQL Programming		
Course Type:	Core		
Year of Introduction:	2021-22		

Credit Scheme

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Course Learning Outcomes (CLO):

At the end of the course, students will be able to -

- 1. demonstrate database design using SQL
- 2. apply suitable query processing to access the database
- 3. develop efficient PL/SQL programs to access the database

Syllabus:Laboratory work will be based on following concepts with minimum 10 experiments:

SQL queries to store and access a data using join, scalar and aggregate functions, PL/SQL blocks, using variables with different scope and data types, program structures to control execution flow using conditional constructs and loop constructs, incorporating SQL statements in PL/SQL blocks with and without cursors, exception handling, using and managing functions, procedures and triggers.

Self-Study:	-NA-				
Suggested Readings/ References:					
Suggested List of Experiments:	Sr. No. 1.	Title To realize the SQL concepts with DML and DDL commands. To create a Table, add columns, and perform	Hours 04		
	2.	unconditional search operations To create a Table, add columns, and perform conditional search operations	04		
	3.	To use PL/SQL Basic Blocks	04		
	4.	To explore the use of control structures in PL/SQL	04		
5.		To embed SQL in PL/SQL	04		
	6.	To handle exceptions using PL/SQL	04		
	7.	To write PL/SQL program using procedures	04		
	8.	To write PL/SQL program using functions	04		
	9.	To grant execution privileges using PL/SQL programming	04		
	10.	To create and update object Triggers using PL/SQL.	04		
Suggested Case List:	-NA-				