Course code	Course Name	L-T-P - Credits	Year of Introduction	
CS333	APPLICATION SOFTWARE DEVELOPMENT LAB	0-0-3-1	2016	
Pre-requisite : CS208 Principles of Database Design				
Course Objectives				
• To introduce basic commands and operations on database.				
• To introduce stored programming concepts (PL-SQL) using Cursors and Triggers.				
• To familiarize front end tools of database.				
List of Exercises/Experiments: (Exercises/experiments marked with * are mandatory. Total				
12 Exercises/experiments are mandatory)				
1. Creation of a database using DDL commands and writes DQL queries to retrieve				
information from the database.				
2. Performing DML commands like Insertion, Deletion, Modifying, Altering, and Updating				
records based on conditions.				
3. C	reating relationship between the databases. *			
4. C	reating a database to set various constraints. *			
5. P	Practice of SQL TCL commands like Rollback, Commit, Savepoint.			
6. P	6. Practice of SQL DCL commands for granting and revoking user privileges.			
/. C	. Creation of Views and Assertions *			
8. Implementation of Build in functions in RDBMS *				
9. Implementation of Order Py, Group Py & Having clause *				
11. Implementation of set operators, pested queries and Join queries. *				
12. Implementation of various control structures using PL/SOL *				
12. 1	reation of Procedures and Functions *			
13. C	reation of Packages *			
11.0	reation of database Triggers and Cursors *			
16. Practice various front-end tools and report generation.				
17. Creating Forms and Menus				
18. Mini project (Application Development using Oracle/ MySQL using Database				
connectivity)*				
a	Inventory Control System.			
b	Material Requirement Processing.			
c	Hospital Management System.			
d	Railway Reservation System.			
e	Personal Information System.			
f.	Web Based User Identification System.			
g	Timetable Management System. 2014			
h	Hotel Management System.			
Expected Outcome				
i Design and implement a database for a given probletting database design				
1.	Design and implement a database for a given proble////m using o	uatabase d	esign	
] ;;	orincipies.	nd Triacar	0	
iii	Typity stored programming concepts (PL-SQL) using Cursors and User interface. Event Handling and Database contributions and Database contributions and Database contributions and Database contributions.	nu ingger	s. Advelop and	

- iii. Use graphical user interface, Event Handling and Database connectivity to develop and deploy applications and applets.
- *iv.* Develop medium-sized project in a team.