Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned			
		L	T	P	L	T	P	Total
CEL42	**Database Management System Lab**	--	--	2	--	--	1	1

		Examination Scheme			
		ISE	**ESE**		**Total**
			Practical	**Oral**	
		40	**10**	**10**	**60**

Pre-requisite Course Codes	CE32 (Database Management System)

At end of successful completion of this course, student will be able to

Course Outcomes	CO1	Design a relational database for real world system.
	CO2	Apply SQL commands on database.
	CO3	Execute various transaction and recovery commands over database.
	CO4	To examine effect of concurrency control on database.

Assign a case study for group of 2/3 students and each group to perform on their case study following experiments.

Exp. No.	Experiment Details	Ref.	Marks
1	Create a database for real world system. ➢ E-R Diagram ➢ Mapping of E-R to relational Model ➢ Perform database administration related commands • DCL	1,2	5
2	Build a database and populate using SQL. ➢ DDL ➢ DML	1,2	5
3	Perform various nested queries on database. ➢ JOIN	1,2	5
4	Create a reports using view.	1,2	5
5	Perform TCL and Store procedure on database	1,2	5
6	Examine integrity of database using Assertion and Triggers	1,2	5
7	Examine the consistency of database using various concurrency	1,2	5

	control techniques.		
	➢ Creation of serializability schedule.		
8	Check for deadlock condition over database	1,2	5
	Total Marks		**40**

References:
1. Sharaman Shah ,"Oracle for Professional", SPD.
2. Dr.P.S.Deshpande ,"SQL &PLSQL for oracle"Black Book