## Database Management Systems Lab

Course Code	19CS3552	Year	III	Semester	Ι
Course Category	Program Core	Branch	CSE	Course Type	Practical
Credits	1	L-T-P	0-0-2	Prerequisites	Problem Solving and Programming Lab
Continuous Internal Evaluation :	25	Semester End Evaluation:	50	Total Marks:	75

Course Outcomes					
Upon suc	cessful completion of the course, the student will be able to				
CO1	Apply database management techniques to solve problems	L3			
CO2	Implement experiments by using modern tools like MYSQL, Oracle				
CO3	Develop an effective report based on various constructs implemented.				
CO4	Apply technical knowledge for a given problem and express with an effective oral communication.	L3			
CO5	Analyze outputs of queries for a given problem	L4			

	Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of correlations (3:Substantial, 2: Moderate, 1:Slight)													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3											2	1	1
CO2					3				3					
CO3										3				
CO4	3									3				
CO5		3												

	Syllabus			
EXP No.	Contents	Mapped CO		
1	Introduction to MySQL Workbench. How to use MySql Workbench to run SQL Statements.	CO1,CO2,CO3,CO4, CO5		
2	Examples on i)DDL Commands: CREATE, ALTER, DROP and TRUNCATE a Table ii) Implementation of Constraints PRIMARY KEY, FOREIGN KEY, CHECK, NOT NULL, UNIQUE.	CO1,CO2,CO3,CO4, CO5		
3	Examples oni)DML Commands. INSERT, UPDATE and DELETEii)DCL Commands: COMMIT, ROLLBACK and SAVEPOINT.	CO1,CO2,CO3,CO4, CO5		
4	<ul> <li>Examples on retrieving data from a single table using</li> <li>i) SELECT statement</li> <li>ii) SELECT statement with where clause(Comparison Operators, AND, OR, NOT, IN, BETWEEN,LIKE)</li> <li>iii) ORDER BY clause(sort by column name)</li> <li>iv) LIMIT clause</li> </ul>	CO1,CO2,CO3,CO4, CO5		
5	Examples on Functions in MySQL: String, Numeric, Date, Time and Other Functions.	CO1,CO2,CO3,CO4 CO5		
6	Examples on Summary Queries: Queries using Aggregate functions, GROUP By and Having Clauses, ROLLUP Operator.	C01,C02,C03,C04 C05		
7	Examples on Inner join, outer join using USING, NATURAL Keywords	CO1,CO2,CO3,CO4 CO5		
8	Examples on SUB/SUMMARY Queries Using IN, ANY, SOME, ALL , EXISTS and NOT EXISTS functions	CO1,CO2,CO3,CO4 CO5		
9	Examples on i)Creating INDEXES and VIEWS ii) INSERT,DELETE and DROP on VIEWS	CO1,CO2,CO3,CO4, CO5		
10	<ul> <li>Examples on</li> <li>i) Create and Call STORED PROCEDURE (IN,OUT,INOUT Parameters), Drop a STORED PROCEDURE.</li> <li>ii) Create, call and Drop a FUNCTION.</li> <li>iii) Create and Drop a TRIGGER</li> </ul>	CO1,CO2,CO3,CO4, CO5		
11	Case Study using real world database applications	CO1,CO2,CO3,CO4 CO5		
earnin	g Resources			
ext Bo				
	rach"s MySQL, JOEL MURACH, 2012, Shroff Publishers & Distributors	Pvt.Ltd.		
DATA hamkar	ces omplete Reference MYSQL, Vikram Vaswani, 2017, McGrawHill Education BASE SYSTEMS Models, Languages, Design and Application Programm atB. Navathe, Sixth Edition, Pearson. ase System Concepts, Abraham Silberschatz, Henry F Korth, S. Sudarshan	ing, Ramez Elmasri,		

UNIT-4	Introduction to Management & Human Resource Management: Meaning, nature, importance and Functions of Management, Henri Fayol principles. HRM: objective and function, manpower planning, sources of recruitment.	CO4					
UNIT-5	Introduction to Marketing Management & Production management:Meaning, Concepts of Marketing, Marketing Mix, Marketing Segmentation.Production management: objectives, Types of Plant Layout , location – Factorseffecting it	CO5					
Refere	References:						
1.	1. Managerial Economics and Financial Analysis, J.V.Prabhakar Rao, Maruthi Publications, 2011						
2.	2. Managerial Economics and Financial Analysis, N. Appa Rao. & P. Vijaya Kumar, Cengage						
	Publications, New Delhi, 2011.						
3.	Managerial Economics and Financial Analysis, A R Aryasri, TMH, 2011.						
4.	Management Science, Aryasri, TMH, 2004.						
5.	Management Science, Rajesh C. Jampala, P. Adi Lakshmi, Duvuri Publications,						
	Machilipatnam, 2010.						