

L.D.COLLEGE OF ENGINEERING, AHMEDABAD
DEPARTMENT
LECTURE PLANNING
TERM: 18-06-18 to 17-10-18

SUBJECT: Database Management System (2130703 (B.E. – III))

NO. OF LECTURES/ WEEK :- 2

FACULTY: Prof. MADHURI J.PATEL

	Topic	Planned Date	Actual Date
Unit 8 - SQL Concepts			
1	DDL,DML,DCL, structure – creation, alteration	22/06/2018	
2	Defining constraints – Primary key, foreign key, unique, not null, check, IN operator	25/06/2018	
3	Join and its types	02/07/2018	
4	Sub-queries, correlated sub-queries, Use of group by, having, order by	06/07/2018	
5	Functions - aggregate functions, Built-in functions –numeric	03/07/2018	
6	Functions - Built-in functions - date, string functions	16/07/2018	
7	Problem Solving and Revision		
Unit 6 - Transaction Management			
1	Transaction concepts, properties of transactions	23/07/2018	
2	Serializability of transactions, testing for serializability	27/07/2018	
3	System recovery, Two- Phase Commit protocol,	30/07/2018	
4	Recovery and Atomicity, Log-based recovery	06/08/2018	
5	Concurrent executions of transactions and related problems,	10/08/2018	
6	Locking mechanism, solution to concurrency related problems	13/08/2018	
7	Two phase locking protocol	20/08/2018	
8	Deadlock	24/08/2018	
	Revision	27/08/2018	
	GATE Example Solving	31/08/2018	
Unit 9 - PL/SQL Concepts			
1	Cursors	03/09/2018	
2	Stored Procedures	07/09/2018	
3	Stored Function	10/09/2018	
4	Database Triggers	14/09/2018	
	Problem Solving and Revision	17/09/2018	
Unit 8 – Security			
1	Introduction, Data Encryption	21/09/2018	
2	Discretionary access control, Mandatory Access Control	24/09/2018	
Unit 2 - Relational Model			
1	Structure of relational databases, Domains, Relations, Relational algebra – fundamental operators and syntax	27/09/2018	
2	Relational algebra queries	08/10/2018	
	Problem Solving and Revision	11/10/2018	

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