

**ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY: CHIRALA  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**LECTURE SCHEDULE**

**Subject: DataBase Management Systems**

**Academic Year: 2019-20**

**Name: Y.SOWJANYA KUMARI**

**Year & Sem/Section: III-I-SEM 'B'**

**No. Of Lectures per week : 5+1\* (Tutorial)**

S.No	DATE	UNIT.NO.	TOPICS TO BE COVERED
1	10-06-2019	UNIT-I	<b>An Overview of Database Management</b> , Introduction.
2	12-06-2019		What is Database System
3	13-06-2019		What is Database
4	14-06-2019		Why Database
5	14-06-2019		Data Independence
6	15-06-2019		Relation Systems and Others- Summary
7	17-06-2019		The Three Levels of Architecture
8	19-06-2019		Mapping, the Database Administrator
9	20-06-2019		The Database Management Systems-Client/Server Architecture
10	21-06-2019		<i>Revision with PPT</i>
11	21-06-2019		<i>Tutorial</i>
12	22-06-2019		<i>Slip test-I</i>
13	24-06-2019	UNIT-II	<b>The E/R Models</b> , The Relational Model,
14	26-06-2019		Introduction to Database Design- Database Design
15	27-06-2019		ErDiagrams-Entities Attributes,
16	28-06-2019		Entity Sets-Relationship and Relationship Sets
17	28-06-2019		<i>Tutorial</i>
18	29-06-2019		Conceptual Design With the Er Models,
19	01-07-2019		The Relational Model Integrity Constraints Over Relations
20	03-07-2019		Key Constraints –Foreign Key Constraints-General Constraints
21	04-07-2019		Relational Algebra- Selection and Projection- Set Operation
22	05-07-2019		Renaming – Joins- Division
23	05-07-2019		<i>Tutorial</i>
24	06-07-2019		More Examples of Queries,
25	08-07-2019		Relational Calculus, Tuple Relational Calculus-
26	10-07-2019		Domain Relational Calculus.
27	11-07-2019		<i>Revision with PPT</i>
28	12-07-2019		<i>Slip test-II</i>
29	12-07-2019		<i>Tutorial</i>
30	15-07-2019	UNIT-III	<b>Queries, Constraints, Triggers</b> :The Form of Basic SQL Query
31	17-07-2019		Union, Intersect, and Except
32	18-07-2019		Nested Queries
33	19-07-2019		Nested Queries
34	19-07-2019		<i>Tutorial</i>
35	20-07-2019		Aggregate Operators
36	22-07-2019		Null Values
37	24-07-2019		Complex Integrity Constraints in SQL
38	25-07-2019		Triggers and Active Database

39	26-07-2019		Triggers and Active Database	
<b>S.No</b>	<b>DATE</b>	<b>UNIT.NO.</b>	<b>TOPICS TO BE COVERED</b>	
40	26-07-2019		<i>Tutorial</i>	
41	27-07-2019		<i>Revision with PPT</i>	
42	29-07-2019	<b>UNIT-IV</b>	<b>Schema Refinement:</b> Purpose of Normalization	
43	31-07-2019		concept of functional dependency	
44	01-08-2019		concept of functional dependency,	
45	02-08-2019		normal forms based on functional dependency (1NF, 2NF )	
46	02-08-2019		<i>Tutorial</i>	
47	03-08-2019		3 NF	
48	05-08-2019		<i>Revision</i>	
49	07-08-2019		<i>Revision</i>	
50	08-08-2019		<i>Revision</i>	
51	09-08-2019		<i>Revision</i>	
52	09-08-2019		<i>Revision</i>	
53	10-08-2019		<i>Revision</i>	
54	14-08-2019		Boyce-codd normal form(BCNF), concept of surrogate key	
55	16-08-2019		Lossless join and dependency preserving decomposition	
56	16-08-2019		<i>Tutorial</i>	
57	17-08-2019		Fourth normal form(4NF)	
58	19-08-2019		<i>Revision with PPT</i>	
59	21-08-2019		<i>Slip test-III</i>	
60	22-08-2019		<b>UNIT-V</b>	Transaction, properties of transactions,.
61	26-08-2019			transaction log, and transaction management with SQL using commit rollback and save point
62	28-08-2019	Concurrency control for lost updates, uncommitted data, inconsistent retrievals and the Scheduler.		
63	29-08-2019	Concurrency control with locking methods : lock granularity,		
64	30-08-2019	lock types, two phase locking for ensuring serializability,		
65	30-08-2019	<i>Tutorial</i>		
66	31-08-2019	deadlocks, Concurrency control with time stamp ordering :		
67	04-09-2019	Wait/Die and Wound/Wait Schemes,		
68	05-09-2019	Database Recovery management :		
69	06-09-2019	Transaction recovery.		
70	06-09-2019	<i>Tutorial</i>		
71	07-09-2019	<i>Revision with PPT</i>		
72	09-09-2019	<i>Slip test-IV</i>		
73	11-09-2019	<b>UNIT-VI</b>	Data on External Storage- File Organization and Indexing	
74	12-09-2019		Clustered Indexing	
75	13-09-2019		Primary and Secondary Indexes	
76	13-09-2019		<i>Tutorial</i>	
77	16-09-2019		Index Data Structures	
78	18-09-2019		Hash-Based Indexing	
79	19-09-2019		Tree-Based Indexing, Comparison of File Organization	
80	20-09-2019		<i>Revision</i>	
81	20-09-2019		<i>Tutorial</i>	
82	21-09-2019		<i>Revision</i>	
83	23-09-2019		<i>Revision</i>	
84	25-09-2019		<i>Revision</i>	

85	26-09-2019		<i>Revision</i>
86	27-09-2019		<i>Revision</i>
87	27-09-2019		<i>Revision</i>
88	28-09-2019		<i>Revision</i>
89	30-09-2019		<i>Revision</i>
90	03-10-2019		<i>Revision</i>
91	04-10-2019		<i>Revision</i>
92	04-10-2019		<i>Revision</i>
93	05-10-2019		<i>Revision</i>
94	07-10-2019		<i>Revision</i>
95	09-10-2019		<i>Revision</i>
96	10-10-2019		<i>Revision</i>
97	11-10-2019		<i>Revision</i>
98	11-10-2019		<i>Revision</i>
99	12-10-2019		<i>Revision</i>

**TEXT BOOKS:**

1. Introduction to Database Systems, CJ Date, Pearson
2. Data base Management Systems, Raghurama Krishnan, Johannes Gehrke, TATA McGrawHill 3rd Edition
3. Database Systems - The Complete Book, H G Molina, J D Ullman, J Widom Pearson

**REFERENCES BOOKS:**

1. Data base Systems design, Implementation, and Management, Peter Rob & Carlos Coronel 7th Edition.
2. Fundamentals of Database Systems, Elmasri Navrate Pearson Education
3. Introduction to Database Systems, C.J.Date Pearson Education

**FACULTY MEMBER**

**HEAD OF THE DEPARTMENT**