



KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with A⁺ Grade - 4th Cycle, College of Excellence - UGC
Coimbatore - 641 029, Tamil Nadu, India



LESSON PLAN

ACADEMIC YEAR : 2022-2023
Faculty Name : PRINCESS MONICA VICTORIA M,
Year/Semester/Section : II/III/All
Degree & Branch : COMMERCE WITH INFORMATION TECHNOLOGY
Subject Code & Name : 21UCI306 & CORE PAPER 6- DATABASE MANAGEMENT SYSTEM

S.No	Date	Hours	Topics	Delivery Methods	Links	Book Referred
Unit 1						
1	19/07/2022	2	concept of DBMS	CHALK AND TALK	https://www.guru99.com/what-is-dbms.html	
2	19/07/2022	4	Basic concepts- Records and files	CHALK AND TALK, LAB	https://www.geeksforgeeks.org/organization-in-dbms-set-1/	
3	21/07/2022	4	Data Abstraction	CHALK AND TALK	https://www.tutorialspoint.com/what-is-data-abstraction-in-dbms#:~:text=DBMS%20is%20simple%20step%20text%20Abstraction%20is%20a%20process,complicated%20data%20structure%20and%20rela	
4	23/07/2022	4	Data Integration	CHALK AND TALK	https://www.precisely.com/glossary/data-integration#:~:text=Data%20integration%20is%20a%20common,known%20as%20a%20data%20warehouse	
5	23/07/2022	5	Three Level Architecture of DBMS	CHALK AND TALK, LAB	https://www.tutorialspoint.com/Three-Level-Architecture-of-Database#:~:text=The%20three%20levels%20present%20in,Conceptual%20level%20and%20External%20level	
6	28/07/2022	4	components of DBMS	CHALK AND TALK, BOARD	https://www.tutorialspoint.com/what-are-the-components-of-dbms	
7	28/07/2022	4	Advantages of DBMS	CHALK AND TALK, BOARD	https://www.geeksforgeeks.org/advantages-of-database-management-system/	
8	30/07/2022	3	Disadvantages of DBMS	CHALK AND TALK, BOARD	https://www.geeksforgeeks.org/disadvantages-of-dbms/	
9	02/08/2022	2	Data Models	CHALK AND TALK, BOARD	https://byjus.com/gate/data-models-in-dbms-notes/#:~:text=Data%20models%20describe%20how%20a,an%20abstract%20with%20the%20system	
10	02/08/2022	4	data model Classifications	CHALK AND TALK, BOARD	https://dataacademy.com/blog/what-is-data-model-in-dbms-and-what-are-it-types/	
11	05/08/2022	4	Entity-Relationship Model	CHALK AND TALK, BOARD	https://www.tutorialspoint.com/what-is-an-entity-relationship-model-in-dbms#:~:text=Entity%20relationship%20ER%20models%20are,usually%20represented%20by%20ER%20Diagrams	
12	08/08/2022	4	Entity - Relationship Model	CHALK AND TALK, BOARD	https://www.geeksforgeeks.org/introduction-of-er-model/	
13	10/08/2022	3	Relationship Data Model	CHALK AND TALK, BOARD	https://www.scaler.com/topics/dbms/relational-model-in-dbms/	
14	12/08/2022	2	Network Data Model	CHALK AND TALK, BOARD	https://www.geeksforgeeks.org/network-model-in-dbms/	
15	15/08/2022	4	Hierarchical data model	CHALK AND TALK, BOARD	https://www.geeksforgeeks.org/hierarchical-model-in-dbms/	
Unit 2						
16	16/08/2022	4	Relational Data Models	CHALK AND TALK, LAB, BOARD	https://www.geeksforgeeks.org/relational-model-in-dbms/	
17	17/08/2022	4	Relational Model	CHALK AND TALK, BOARD	https://byjus.com/gate/relational-model-in-dbms-notes/	
18	18/08/2022	3	Relational Model examples	CHALK AND TALK, BOARD	https://www.javatpoint.com/dbms-relational-model-concept	
19	23/08/2022	2	Entity, Relation- Relational Model	CHALK AND TALK, BOARD	https://www.scaler.com/topics/dbms/relational-model-in-dbms/	
20	23/08/2022	4	Relational Database	CHALK AND TALK, BOARD	https://www.techtarget.com/searchdatamanagement/definition/relational-database	
21	25/08/2022	4	Relational Database diagrams	CHALK AND TALK, BOARD	https://www.ibm.com/thinkhistory/ibm100/us/en/cond/relbdi/	
22	26/08/2022	4	Relational Algebra	CHALK AND TALK, BOARD	https://www.javatpoint.com/dbms-relational-algebra	
23	27/08/2022	5	Relational algebra syntax	CHALK AND TALK	https://www.geeksforgeeks.org/introduction-of-relational-algebra-in-dbms/	
24	30/08/2022	2	relational Algebra examples	CHALK AND TALK, BOARD	https://www.tutorialspoint.com/dbms/relational_algebra.htm	
25	30/08/2022	4	Relational Algebra- operators	CHALK AND TALK, BOARD	https://byjus.com/gate/relational-algebra-in-dbms-notes/	
26	02/09/2022	4	Basic concepts in Relational Algebra	CHALK AND TALK	https://www.guru99.com/relational-algebra-dbms.html	

Faculty Signature *[Signature]*

[Signature]
Coordinator

[Signature]
Head of the Department



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27	06/09/2022	4	Relational Algebra- Union, project, join	CHALK AND TALK BOARD	https://www.studydrive.com/themore-relational-algebra.php	
28	06/09/2022	3	Relational algebra- rename, cartesian product, set difference	CHALK AND TALK BOARD	https://beginnersbook.com/2018/02/themore-relational-algebra/	
29	06/09/2022	2	advantages and disadvantages of Relational database	CHALK AND TALK BOARD	https://www.buys.buys.com/2021/04/advantages-and-disadvantages-limitations-benefits-of-relational-database.html	
30	06/09/2022	4	Uses of Relational databases, an overview	CHALK AND TALK BOARD	https://www.salesforce.com/blog/2022/01/what-is-a-relational-database.html	
Unit 3						
31	13/09/2022	4	Normalization of forms- Introduction	CHALK AND TALK BOARD	https://www.geeksforgeeks.org/normal-forms-in-dbms/	
32	14/09/2022	4	Relational database Manipulation	CHALK AND TALK BOARD	https://satorcyber.com/glossary/dml-data-manipulation-language/#~:text=As%20popular%20data%20manipulation%20language,carry%20out%20the%20required%20tasks.	
33	15/09/2022	3	Relational db manipulation	CHALK AND TALK BOARD	https://www.tutorialspoint.com/Data-Manipulation-Commands-in-DBMS	
34	16/09/2022	2	SQL	CHALK AND TALK LAB	https://www.tutorialspoint.com/dbms/sql-data-manipulation-language-dml.htm	
35	16/09/2022	4	Data Manipulation	CHALK AND TALK BOARD	https://openstax.ca/chapters/01/chapter-sql-dml/#~:text=The%20SQL%20data%20manipulation%20language,DML%20command%20statements%2C%20defined%20view,As%20the%20SQL%20DML%20statement,begins%20with%20a%20new%20line.	
36	21/09/2022	4	Data manipulation views	CHALK AND TALK BOARD	https://www.sqlhack.com/create-view-sql-inserting-data-through-views-in-sql-server/	
37	22/09/2022	4	Views	CHALK AND TALK BOARD	https://www.tutorialspoint.com/sql/sql-using-views.htm	
38	23/09/2022	5	QBE	CHALK AND TALK BOARD	http://www.geeksforgeeks.org/query-by-example-qbe/	
39	27/09/2022	2	Query By Example	CHALK AND TALK BOARD	https://pages.cs.wisc.edu/~dbook/openAccess/thirdEdition/qbe.pdf	
40	27/09/2022	4	Normalisation	CHALK AND TALK BOARD	https://www.javatpoint.com/dbms-normalization	
41	28/09/2022	4	Functional dependencies	CHALK AND TALK BOARD	https://www.geeksforgeeks.org/types-of-functional-dependencies-in-dbms/	
42	30/09/2022	4	First, second Normal forms	CHALK AND TALK BOARD	https://www.geeksforgeeks.org/normal-forms-in-dbms/	
43	01/10/2022	5	Third Normal forms	CHALK AND TALK BOARD	https://www.geeksforgeeks.org/normal-forms-in-dbms/	
44	07/10/2022	2	fourth normal forms	CHALK AND TALK BOARD	https://www.scaler.com/topics/4nf-in-dbms/	
45	07/10/2022	4	Fifth Normal forms	CHALK AND TALK BOARD	https://www.javatpoint.com/dbms-5th-normal-form	
Unit 4						
46	11/10/2022	4	Network data model	CHALK AND TALK BOARD	https://www.geeksforgeeks.org/network-model-in-dbms/	
47	12/10/2022	4	Network Model	CHALK AND TALK BOARD	https://www.geeksforgeeks.org/network-model-in-dbms/	
48	13/10/2022	5	Advantages and disadvantages of Network model	CHALK AND TALK BOARD	http://dbnotes.blogspot.com/2014/05/comparison-of-data-models-data-model.html	
49	17/10/2022	2	Network data model examples	CHALK AND TALK BOARD	https://www.tutorialspoint.com/explain-the-network-model-in-dbms	
50	17/10/2022	4	DBTG	CHALK AND TALK BOARD	https://ecomputernotes.com/database-system/adv-database/architecture-of-dbtg-model	
51	19/10/2022	4	Database Task Group- Architecture	CHALK AND TALK BOARD	https://www.w3schools.in/dbms/database-architecture	
52	20/10/2022	4	Set Construct	CHALK AND TALK BOARD	https://www.tutorialspoint.com/Network-Model	
53	21/10/2022	5	set construct and restrictions	CHALK AND TALK BOARD	https://www.geeksforgeeks.org/network-model-in-dbms/	
54	24/10/2022	2	Data description in the network model	CHALK AND TALK BOARD	https://www.geeksforgeeks.org/network-model-in-dbms/	
55	24/10/2022	4	Schemas in network model	CHALK AND TALK BOARD	https://www.scaler.com/topics/network-model-in-dbms/	
56	26/10/2022	4	schemas and sub schema	CHALK AND TALK BOARD	https://itpdocs.broadcom.com/content/cic/CA%20DMS%2018%20User%20Bookshelf-ENU/Bookshelf_Files/HTML/DMS_Database_Admin-ENU/966518.html#~:text=The%20chema%20is%20a%20complete,from%20which%20the%20generate%20subschemas,As%20a%20subschemas%20provides%20a%20view,As%20a%20by%20the%20application%20program	
57	31/10/2022	4	sub schema- network model	CHALK AND TALK BOARD	https://itpdocs.broadcom.com/content/cic/CA%20DMS%2018%20User%20Bookshelf-ENU/Bookshelf_Files/HTML/DMS_Database_Admin-ENU/966518.html#~:text=The%20chema%20is%20a%20complete,from%20which%20the%20generate%20subschemas,As%20a%20subschemas%20provides%20a%20view,As%20a%20by%20the%20application%20program	
58	01/11/2022	5	DBTG data Manipulation	CHALK AND TALK BOARD	https://ecomputernotes.com/database-system/adv-database/architecture-of-dbtg-model	
59	03/11/2022	2	DBTG Architecture	CHALK AND TALK BOARD		
60	03/11/2022	4	Data descriptions data manipulation	CHALK AND TALK BOARD	https://www.mindd.com/career-advice/career-development/data-manipulation	
Unit 5						

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61	07/11/2022	4	Hierarchical Data Model	CHALK AND TALK BOARD	https://www.geeksforgeeks.org/hierarchical-model-in-dbm/	
62	08/11/2022	4	characteristics of Hierarchical Model	CHALK AND TALK BOARD	https://byjus.com/gate/hierarchical-model-in-dbms-notes/	
63	09/11/2022	3	Advantages and disadvantages of Hierarchical Model	CHALK AND TALK BOARD	https://www.cram.com/study/Advantages-And-Disadvantages-Of-The-Hierarchical-Databases/EKXJZLUGUEX	
64	10/11/2022	2	Data definition	CHALK AND TALK BOARD		
65	10/11/2022	4	Data definition - hierarchical model	CHALK AND TALK	https://tutorials.com/java/hierarchical-model-with-examples-and-characteristics/	
66	14/11/2022	4	Hierarchical Model Architecture	CHALK AND TALK BOARD	https://tutorialspoint.com/tutorialsplus/understanding-the-hierarchical-database-model/	
67	15/11/2022	4	data manipulation and updates	CHALK AND TALK BOARD		
68	16/11/2022	5	Hierarchical Model examples	CHALK AND TALK BOARD	https://www.khanacademy/a/types-of-databases/a/	
69	18/11/2022	2	Hierarchical Model and its data description	CHALK AND TALK BOARD		
70	18/11/2022	4	Hierarchical Model concepts and terms	CHALK AND TALK BOARD	https://www.e-sharesources.com/articles/what-is-a-hierarchical-database/#~:text=The%20most%20popular%20examples,a%20database,based%20on%20hierarchy,a%20data's%20model	
71	22/11/2022	4	query meaning	CHALK AND TALK BOARD	https://support.microsoft.com/en-us/sql-server/how-to-specify-sql-syntax-for-a-query#:~:text=A%20query%20is%20either%20for%20inserting%20or%20deleting%20records%20into%20a%20database	
72	23/11/2022	4	query processing	CHALK AND TALK BOARD	https://www.javatpoint.com/query-processing-in-dbm	
73	24/11/2022	5	query processing stages	CHALK AND TALK BOARD	https://www.geeksforgeeks.org/sql-query-processing/	
74	26/11/2022	4	Steps in Query processing	CHALK AND TALK BOARD	https://www.geeksforgeeks.org/sql-query-processing/	
75	28/11/2022	4	strategies for query processing	CHALK AND TALK BOARD	https://www.tutorialspoint.com/dbms/query-processing.htm	



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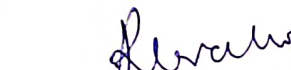
LESSON PLAN

ACADEMIC YEAR : 2022-2023
Faculty Name : PRINCESS MONICA VICTORIA M,
Year/Semester/Section : II/III/All
Degree & Branch : COMMERCE WITH INFORMATION TECHNOLOGY
Subject Code & Name : 21UCI3S1 & SKILL BASED SUBJECT 1 – CYBER LAW

S.No	Date	Hours	Topic(s)	Delivery Methods	Links	Book Referred
Unit 1						
1	18/07/2022	5	Introduction to cyber law	CHALK AND TALK		
2	20/07/2022	4	concept of cyber space	CHALK AND TALK		
3	01/08/2022	5	E-commere in india	CHALK AND TALK		
4	04/08/2022	4	Privacy factors in E-Commerce	CHALK AND TALK		
5	06/08/2022	5	cyber law in E-Commerce	CHALK AND TALK		
6	11/08/2022	5	contract Aspects	CHALK AND TALK		
Unit 2						


Faculty Signature


Coordinator


Head of the Department



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7	13/08/2022	4	Security Aspects	CHALK AND TALK		
8	22/08/2022	5	Technical aspects of Encryption	CHALK AND TALK		
9	24/08/2022	4	Digital Signatures	CHALK AND TALK, BOARD		
10	29/08/2022	5	Intellectual Property Aspects	CHALK AND TALK, BOARD		
11	01/09/2022	4	WIPO, GII, ECMS	CHALK AND TALK, BOARD		
12	07/09/2022	5	Indian copyrights and patent act on soft property works	CHALK AND TALK		
Unit 3						
13	12/09/2022	4	Evidence aspects and criminal aspects	CHALK AND TALK		
14	16/09/2022	5	Evidence as apart of law of procedures	CHALK AND TALK		



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15	20/09/2022	4	The Indian Evidence Act 1872	CHALK AND TALK		
16	26/09/2022	5	Criminal aspects computer crime	CHALK AND TALK		
17	28/09/2022	4	factors and also the strategy for prevention of computer crime	CHALK AND TALK		
18	06/10/2022	5	Amendments to Indian penal code 1860	CHALK AND TALK		
Unit 4						
19	10/10/2022	4	Legal framework for EDI	CHALK AND TALK		
20	14/10/2022	5	EDI global trends	CHALK AND TALK		
21	18/10/2022	4	EDI mechanism	CHALK AND TALK		
22	27/10/2022	4	Legal framework for Electronic data interchange	CHALK AND TALK, BOARD		



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23	02/11/2022	5	EDI in India	CHALK AND TALK		
24	04/11/2022	4	Advantages and disadvantages of EDI	CHALK AND TALK		
Unit 5						
25	05/11/2022	5	Information Technology introduction	CHALK AND TALK		
26	10/11/2022	5	IT act 2000	CHALK AND TALK		
27	17/11/2022	5	IT act 2000- definitions	CHALK AND TALK		
28	21/11/2022	4	Authentication of Electronic Records	CHALK AND TALK		
29	25/11/2022	5	Electronic Governance	CHALK AND TALK		
30	26/11/2022	2	Digital Signature certificates	CHALK AND TALK		