



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(A Unit of Alva's Education Foundation)

Shobhavana Campus, Mijar-574225, Moodbidri, D.K

Phone: 08258-262725, Fax: 08258-262726

Affiliated to VTU Belagavi and Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka

ALVA'S
Education Foundation

ATTENDANCE BOOK

Academic Year : 2023-24

Semester : IV Section A

Period of the Semester : From 22-04-2024 to 07-08-2024

Subject with Code : Database Management System (BCSH03)

Name of the Faculty : Mrs. Vidya

Department : Computer Science and Engineering

VISION OF THE INSTITUTE

"Transformative education by pursuing excellence in Engineering and Management through enhancing skills to meet the evolving needs of the community"

MISSION OF THE INSTITUTE

- To bestow quality technical education to imbibe knowledge, creativity and ethos to students community.
- To inculcate the best engineering practices through transformative education.
- To develop a knowledgeable individual for a dynamic industrial scenario.
- To inculcate research, entrepreneurial skills and human values in order to cater the needs of the society.

AJET	Lesson Plan & Execution	Format No.	ACD 08
		Issue No.	01
		Rev. No.	00

Name of the faculty	Mrs. Vidya
Semester and Section	TW 'A'
Date of Commencement	22-04-2024
Last Working Day of the Semester	07-08-2024
Source Materials List	
1. Fundamentals of Database Systems	Ramez Elmasri and Shamkant - B. Navathe 7th Edition 2017 Pearson.
2. Database Management Systems.	Ramakrishnan and Gehrke, 3rd Edition. 2014, Mc. Graw Hill.
3.	
4.	
5.	

Subject Name Database Management System (BCS403)



Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
1.	23-04-24	<u>Module 1</u> Introduction to Database Introduction, characteristics of database approach.	TI	Introduction	23-04-24	TI
2.	24-04-24	Advantage of using the DBMS approach. History of database applications.	TI	Introduction	24-04-24	TI
3.	24-04-24	<u>Overview of Database Languages Architectures</u> Data Models, Schemas and Instances. Three schema architecture and data independence	TI	Introduction	24-04-24	TI
4.	25-04-24	Database Languages and Interfaces. The Database System environment.	TI	Introduction	25-04-24	TI

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Refer
5.	26-04-24	Conceptual Data Modeling Using Entities and Relationships Entity types.	TI	Introduction, characteristics of database approach.	30-04-24	TI
6.	20-04-24	Entity sets and structural constraints.	TI	Advantages of using the DBMS approach History of database Applications	02-05-24	TI
7.	02-05-24	Weak entity types. ER diagrams.	TI	Data models, Schemas and Instances. 3-schema architecture & data independence	07-05-24	TI
8.	02-05-24	Specialization and Generalization.	TI	Database Language & interfaces. The database system environment Entity types.	08-05-24	TI
9.	07-05-24	<u>Module 2</u> <u>Relational Model</u> Relational Model Concepts.	TI	Entity types.	08-05-24	XI
10.	07-05-24	Relational Model constraints and relational database schemas.	TI	Entity sets and structural constraints.	10-05-24	TI
11.	08-05-24	Update operations, transactions	TI	Entity sets and structural constraints.	10-05-24	TI
12.	09-05-24	and dealing with constraint violations	TI	Weak entity types ER diagrams	15-05-24	TI
13.	14-05-24	<u>Relational Algebra:</u> Unary and Binary relational operations.	TI	ER diagrams	15-05-24	TI
14.	15-05-24	additional relational operations. Examples of queries in relational algebra.	TI	Specialization and Generalization	15-05-24	TI
15.	15-05-24	additional relational operations	TI	Specialization and Generalization	16-05-24	TI
16.	16-05-24	Mapping Conceptual Design into a Logical Design Relational Database Design Using ER to Relational Mapping	TI	Relational Model Concepts	17-05-24	TI
17.	17-05-24	Normalization & Database Design Theory Introduction to Normalization Using Functional Multivalued Dependencies.	TI	Relational Model Concepts	21-05-24	TI

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
18	21-05-24	Informal Design guidelines for relational schema. Functional Dependencies.	TI	Relational Model Constraints	22-05-24	TI
19	22-05-24	Normal Forms based on Primary Keys, Second Third Normal Form.	TI	relational database schemas.	22-05-24	TI
20	22-05-24	Boyce-Codd Normal Form, Multivalued Dependency and Fourth Normal Form.	TI	Update operations transactions	23-05-24	TI
21	23-05-24	Join Dependencies & Fifth Normal Form. SQL; SQL data definition and data types.	TI	dealing with constraint violations	24-05-24	TI
22	28-05-24	Schema change statements in SQL, specifying constraints in SQL.	TI	dealing with constraint violations	29-05-24	TI
23	29-05-24	Arithmetic queries in SQL	TI	Unary and Binary relational operators	30-05-24	TI
24	29-05-24	INSERT, DELETE & UPDATE statements in SQL. Additional features of SQL.	TI	Unary and Binary relational operators	31-05-24	TI
25	30-05-24	Modellet SQL: Advanced Queries. More complex SQL. Interval queries.	TI	I Internal assessment	04-06-24	TI
26	31-05-24	Specifying constraints as assertions and action triggers. Views in SQL.	TI	Binary relational operators	06-06-24	TI
27	04-06-24	Transaction processing Introduction to Transaction Processing.	TI	additional relational operators	13-06-24	TI
28	05-06-24	Transaction and system concepts.	TI	Examples of queries in relational operators	18-06-24	TI
29	05-06-24	Desirable properties of Transactions.	TI	additional relational operators.	19-06-24	TI
30	06-06-24	Characterizing scheds. based on recoverability.	TI	Mapping conceptual design into a logical design. Relational Database Design using SQL. Relational Mapping	20-06-24	

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Refer
31.	07-06-24	Characterizing Shards based on Serializability.	T1	Normalization Database Design Fundamentals Introduction to Normalization Using Functions & Multivalued dependencies	07-06-24	
32.	11-06-24	Transaction Support in SQL.	T1	Informal design guidelines for relation schema functional dependencies	25-06-24	T1
33	12-06-24	Module 5 Concurrency Control in Databases. Two Phase locking techniques for Concurrency control.	T1	Normal Form based on Primary keys, Second & Third Normal Form	26-06-24	T1
34.	12-06-24	Concurrency control based on Timestamp Ordering.	T1	Boyce-codd Normal Form, Multivalued Dependency & Fourth Normal Form	27-06-24	T1
35	13-06-24	Multiversion Concurrency control techniques	T1	Join Dependencies & Fifth Normal Form SQL + SQL data definition & data types.	28-06-24	T1
36.	14-06-24	Validation Concurrency Control techniques.	T1	Schema Change statements in SQL Specifying Constraints in SQL	29-07-24	T1
37	18-06-24	Granularity of Data Items and Multiple Granularity Locking	T1	Intervent Grants in SQL	03-07-24	T1
38.	19-06-24	NOSQL Databases and Big Data Storage Systems. Introduction to NOSQL Systems, The CAP theorem.	T1	INSERT, DELETE & UPDATE statements in SQL Additional features of SQL.	06-07-24	T1
39.	19-06-24	Document Based NOSQL systems and MongoDB, NOSQL key-value stores.	T1	Module 6 SQL: Advanced Queries Non Complex SQL related queries.	25-07-24	T1
40	20-06-24	Column Based or Wide Column NOSQL systems, NOSQL Graph Databases & Mealy.	T1	Specifying constraints as attributes and other triggers, Views in SQL.	09-07-24	T1
41	20-06-24			Transaction Processing Introduction to Transaction Processing	11-07-24	
42	20-06-24			Transaction and System Concepts.	12-07-24	
43				Desirable properties of Transactions	18-07-24	

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
44				characterizing scheds based on Involuntivity	19-07-24	TI
45				Transaction support Binary relational operations in SQL	23-07-24	TI
46				Binary relational operations Transaction support in SQL	24-07-24	TI
47				Indexing	25-07-24	TI
48				III External	27-07-24	TI
49				Module 5 Concurrency control in Database 2PL Locking for Concurrency Control	30-07-24	TI
50				Concurrency control based on Timestamp Ordering	31-07-24	TI
51				Multiversion Concurrency Control techniques	31-07-24	TI
52				Validation Concurrency Control techniques	01-08-24	TI
53				Granularity of Data Items & Multiple Granularity Locking	02-08-24	TI
54				NoSQL database & Bigdata Storage System Introduction to NoSQL Systems, The CAP Theorem Document Based NoSQL System MongoDB	06-08-24	TI
55				NoSQL Key-Value Systems Column based on wide columns NoSQL systems	07-08-24	TI
56				NoSQL Graph Database & MapR	07-08-24	TI

Others	Planned	Actual	Remarks :
Special Classes	05	05	
Tutorials	10	10	
Assignments	01	02	
Seminars	01	00	
IA Tests	03	03	
Portions Covered in the entire Semester	100%		
Course Effectiveness	Good		
Students Feedback	Good		
Students Response	Good		
Result	No. of Students AP	No. of Students Passed	% of Result
	65	57	87.69%
Faculty in Charge			
Signature of Principal (& Remarks if any)	 HOD's Signature		

Tue
Wed
Thu
Fri

A ALVA'S INSTITUTE OF ENGINEERING TECHNOLOGY

MOBBIDRI - 574 225

in 'A' Section
Management System.

ject :

Date / Month	23 04	24 04
Name	1	2
Shik B	1	2
Shik Gonda G R	1	2
Shik R Allapur	1	2
ya H Shetty	1	2
th V Svarma	1	2
ifa Shik	1	2
hish H R	1	2
shay Revanabiddappa	1	2
m C Raju	1	2
sh Gonda H M	1	2
rutha M	1	2
hil Kumar	1	2
sh	1	2
sha K N	1	2
ona	1	2
na	1	2
un	1	2
ind Kumar Osha	1	2
ritha	1	2
hatal Hafuza	1	2
Naik	1	2
varaj	1	2
rath H D	1	2
rath M.	1	2
onika R	1	2
sh S K	1	2
an Kumar V	1	2
ushma G	1	2
an D B	1	2
an Kumar	1	2

29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60		
22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

COOBDIRI - 574 225

ASSESSMENT STATEMENT

Class : IV Sem EA Section
 Subject : Database Management System
 No. of Classes held : 56

Sl. No.	U.S.N.	Name	Date / Month		61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	Total Class Conducted	No. of Class Attended	% of Attendance	Internal Assessment (25)			Average Marks
			04	05																													I	II	III	
1	22CS001	Abhishek B	1	2	46																									58	85	AB	00	10	14	
2	22CS002	Abhishek Gonda G.R	1	2	35																									47	82	AB	00	AB	10	
3	22CS003	Abhishek R. Allapur	1	2	52																									43	68	AB	00	09	13	
4	22CS004	Adhya H Shetty	1	2	48																									43	98	08	08	14	21	
5	22CS005	Adithi V Sivaranna	1	2	48																									53	95	AB	04	08	15	
6	22CS006	Akhifa Shik	1	2	48																									53	95	13	13	14	24	
7	22CS007	Akhilish H R	1	2	45																									43	85	AB	00	09	12	
8	22CS008	Akshay Revanasiddappa	1	2	53																									46	85	07	00	11	15	
9	22CS009	Alan C Raju	1	2	50																									55	98	13	07	11	21	
10	22CS010	Amith Gonda H M	1	2	50																									50	89	12	00	12	21	
11	22CS011	Amritha M	1	2	49																									49	88	AB	03	08	14	
12	22CS012	Amil Kumar	1	2	47																									53	95	09	02	04	17	
13	22CS013	Anulth	1	2	51																									53	95	10	05	08	18	
14	22CS014	Anusha K N	1	2	53																									55	98	12	08	12	22	
15	22CS015	Apoorva	1	2	51																									52	93	13	09	12	23	
16	22CS016	Apoorva	1	2	54																									54	97	12	09	09	20	
17	22CS017	Arun	1	2	51																									51	91	09	09	11	18	
18	22CS018	Arvind Kumar Osha	1	2	49																									55	98	05	AB	08	17	
19	22CS019	Ashmita	1	2	53																									53	95	11	09	14	23	
20	22CS020	Ayushkatal Hafiza	1	2	50																									50	89	AB	05	04	13	
21	22CS021	B B Naik	1	2	37																									48	85	AB	09	12	21	
22	22CS022	Bakharaj	1	2	48																									48	86	12	00	10	18	
23	22CS023	Bhanath H D	1	2	52																									52	93	09	05	11	17	
24	22CS024	Bhanath M.	1	2	55																									55	98	06	08	10	17	
25	22CS025	Bharmika R	1	2	55																									51	91	09	06	11	19	
26	22CS026	Brijesh S K	1	2	48																									50	89	04	01	04	10	
27	22CS027	Charan Kumar V	1	2	50																									48	85	AB	00	AB	10	
28	22CS028	Charukhna G	1	2	49																									55	98	09	09	11	19	
29	22CS029	Chithan D B	1	2	54																									53	95	09	08	12	21	
30	22CS030	Chithan Kumar	1	2	53																									56	100	13	08	10	22	
Staff Initials					56																															

Signature of students
 Less than 75% attendance

Attendance
 75%

+4

+3

+5

+3

+2

+2

+1

+6

+3 +3

+ +1

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ALVA'S INSTITUTE OF ENGINEERING TECHNOLOGY

MILAJ
DBIDRI - 574 225

10-8 Data

ATTENDANCE CUM INTERNAL

Class : IV Sem A' Section
 Subject : Database Management System
 No. of Classes held : 50

Sl. No.	U.S.N.	Name	Date / Month																																		
			23/04	24/04	25/04	26/04	27/04	28/04	29/04	30/04	01/05	02/05	03/05	04/05	05/05	06/05	07/05	08/05	09/05	10/05	11/05	12/05	13/05	14/05	15/05	16/05	17/05	18/05	19/05	20/05	21/05	22/05	23/05	24/05	25/05	26/05	27/05
31	22CS031	Chithan L R	1	2	3	4	AB	5	6	AB	7	AB	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
32	22CS032	Chinmay Gowda H.V	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
33	22CS033	Chirabhoi	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
34	22CS034	Darshan B	1	2	3	4	5	AB	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
35	22CS035	Deepak	1	2	3	4	5	6	AB	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
36	22CS036	Deepika N	1	2	3	4	5	6	7	8	AB	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
37	22CS037	Devika S A	1	2	3	4	5	6	7	8	AB	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
38	22CS038	Phanaraj Shrikhal B	1	2	3	4	AB	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
39	22CS039	Rishu M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
40	22CS040	Diya	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
41	22CS041	Diya Rai	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
42	22CS042	Kiluri Chaitanya S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
43	22CS043	Paija	1	2	3	4	5	AB	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
44	22CS044	Gagan	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
45	22CS045	Gayendra A	1	2	3	4	5	AB	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
46	22CS046	Gayathri M. Baligan	1	2	3	4	5	6	7	8	AB	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
47	22CS047	Galani Tauru	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
48	22CS048	Govri Karababppa B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
49	22CS049	Gowda Millee Madan	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
50	22CS050	Govindha Prabhant B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
51	22CS051	H. J. Akshay	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
52	22CS052	H. L. Raksha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
53	22CS053	H. Mangala	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
54	22CS054	Harsha CR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
55	22CS055	Harshith L B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
56	22CS056	Harshitha D. Bangera	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
57	22CS057	Harshitha H N	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
58	22CS058	Harshitha M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
59	22CS059	Harshitha M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
60	22CS060	Heetha Shree S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
61	22CS061	Heetha Shree S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
Staff Initials																																					

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ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

MIJARI
D B IDRI - 574 225

Class : IV Sem A' Section
 Subject : Database Management System

ATTENDANCE CUM INTERNAL

No. of Classes held : 56

Sl. No.	U.S.N.	Name	Date / Month																																			
			01/04	02/04	03/04	04/04	05/04	06/04	07/04	08/04	09/04	10/04	11/04	12/04	13/04	14/04	15/04	16/04	17/04	18/04	19/04	20/04	21/04	22/04	23/04	24/04	25/04	26/04	27/04	28/04	29/04	30/04						
61	22CS063	Inchara Angadi	1	2	3	4	5	6	AB	AB	AB	AB	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
62	22CS064	Indrajith S	1	2	3	4	5	6	7	8	9	10	11	AB	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
63	23CS400	Amarajmeshwari B H	1	2	3	4	5	6	AB	AB	AB	AB	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
64	23CS401	Anvitha H M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
65	23CS402	Jyoti Bhokare	1	2	3	4	5	6	7	8	AB	AB	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
66	23CS403	Lakshmi Prasad DY	AB	AB	AB	AB	AB	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
67	23CS404	Rachana M.	1	2	3	4	5	6	7	AB	AB	AB	AB	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
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AIET	INTERNAL EXAM RESULT ANALYSIS					Format No.	ACD 12
						Issue No.	01
						Rev. No.	00
Department	Computer Science and Engineering.					Semester	2023-24 IV 'A'
Total No. of Students	67					Subject Code	BES403
						Academic Year	2023-24
Test	Date	Number of Students			Signature		Remarks
		Attended	0-14	15-20	21-25	Faculty	
T ₁	04-06-24	49	05	26	18		
T ₂	09-07-24	64	29	31	04		
T ₃	27-07-24	60	05	23	32		
T ₄							
T ₅							

Signature of Staff in - charge

HOD's Signature

PROGRAM OUTCOMES (POs)

PO1	Engineering knowledge: Apply the knowledge of mathematics, science, Engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
PO3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations.
PO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	<p>Professional Skills: The ability to understand & implement the computer programs in the areas of Computer Architecture, System Software, Database Management Systems, Web Design, Multimedia and Computer Networking.</p> <p>Problem-Solving Skills: The ability to solve real-world problems by the suitable mathematical model with strong technological concepts in the rapidly growing arena of computer technology.</p> <p>Successful Career and Entrepreneurship: Knowledge in diverse areas of Software Engineering and Management & Entrepreneurship for IT Industry, conducive in cultivating skills for successful career development.</p>
PSO2	
PSO3	
PSO4	

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1	<p>Exhibit the knowledge and skillsets to adapt to the dynamic technological transformations and developments in the field of Computer Science and Engineering.</p> <p>Get adapted to a corporate working environment discharging entrusted duties competently and be able to stay updated on the emerging technological changes to initiate start-ups.</p> <p>Get engaged in an innovative career to exploit new ideas for gaining social and economic values or to pursue higher studies in the field of research.</p>
PEO2	
PEO3	
PEO4	