Taranath Shikshana Samsthe



LAXMI VENKATESH DESAI COLLEGE, RAICHUR-584103.



Re-Accredited by NAAC with B Grade

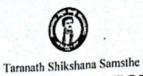
DEPARTMENT OF COMPUTER SCIENCE

Add-On Course Documents

Title: Oracle

Academic Year: 2020-2021

Sl.No	Particulars
1	Declaration
2	Permission letter
3	BOS Request Letter
4	Brochure
5	Notice
6	Syllabus
7	Timetable
8	Attendance
)	Summary Report
10	Model certificate
1	Question Paper
2	Marks sheet





LAXMI VENKATESH DESAI COLLEGE, RAICHUR-584103.

(Affiliated to Gulbarga University, Kalaburagi. Re-Accredited by NAAC with "B" Grade)

Dr. Venkatesh B. Devaru, M.Sc., Ph.D., MBA. PRINCIPAL

Office of the Principal
Ph:(08532)-240286, 240707
Fax:+918532 240707
e-mail: lvdrcr@gmail.com
Website: www.lvdcollege.com

Date: 27/11/2020

TO WHOMEVER IT MAY CONCERN

This is to certify that, the college has introduced the Add_On course on, "Oracle" with the duration of 35 hours introduced in 2020-21 The said programme is apart from the existing course curriculum.

Head of the Department

Head of Department Computer Science. L. V. D. College, *AICHUR-584 101.



Yours Faithfully.

L. V. D. College,

Head of De

To The Principal, LVD College, Raichur.

From HoD. Computer Science Department.

Respected Sir.

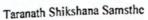
Sub: Permission to start an Add _On course

With respect to the above-cited subject I, the undersigned request you to grant permission to start an Add-On course titled "ORACLE" for B.Sc IV semester students. The details of the syllabus and duration are enclosed. This course helps students to build up their skills. Kindly grant the permission.

Thanking You,

PRINCIPAL L.V.D. College, RAICHUR-03.







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Office of the Principal Ph:(08532)-240286, 240707 Fax:+918532 240707 e-mail: lvdrcr@gmail.com Website:www.lvdcollege.c

Date: 16/10/2020

ORDER Sub: Meeting of Board of Studies members

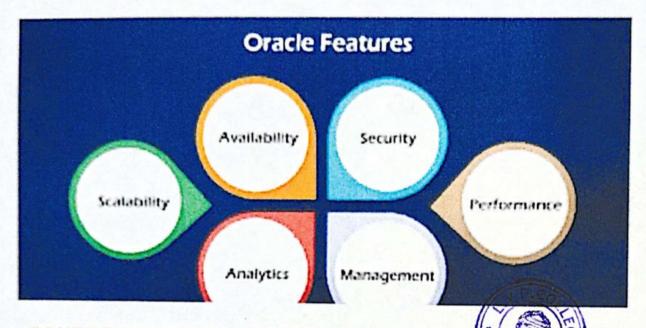
A meeting of the following BOS constituted is hereby convened on 23/10/2020 at 04:30 PM in the Department of Computer Science, LVD College, Raichur.

BOARD OF APPOINTMENT OF BOS MEMBERS FOR ADD-ON COURSE

1)	Sri. M. Ravi Assistant Professor Department of Computer Science GFGC, Raichur.	Chairman M. Roui
2)	Sri. Laxmikanth Dixit Assistant Professor AME'S Degree College, Raichur.	Member Whit
3)	M.A. Kareem Head of the Department Department of Computer Science LVD College, Raichur	Member

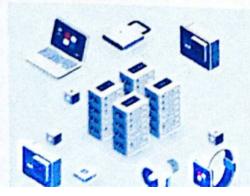
The Chairman and the members are requested to make it convenient to attend the **BOS Meeting**

L.V.D. College, RAICHUR-03.



COURSE INCLUDES:

- INTRODUCTION TO ORACLE SOFTWARE
- DATABASE CONCEPTS
- DATA CONSTRAINTS
- INTERACTIVE SQL PART
- RDBMS



OBJECTIVES:

- Students will be able to create table that store, access, and use data stored in the database.
- It allows them to perform simple queries to produce the desired results.
- Students understand about relational database management system that helps organizations efficiently manage and organize large amounts of data.
- It includes scalability, high performance, data security, reliability and availability, and advanced analytics.
- Oracle DBMS supports seamless integration with various applications and systems, enabling data exchange



Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE, RAICHUR.

Re-Accredited BY NAAC with 'B' grade.

Department Of Computer Science Offers Add_On Course on "ORACLE"

For B.Sc Students

Duration: One month.

2020-2021

Starts From: 15-01-2021

Contact:

1) M.A Kareem

H.O.D

Department of Computer Science

2) Dr. Padmayathi.

Lecturer

Department of Computer Science

up principal ALALCHUM

Laxmi Venkatesh Desai College, Raichur.

Affiliated to Gulbarga University, Kalaburagi& Re-Accredited by NAAC with B Grade

Department of Computer Science

NOTICE

All the B.Sc IV Semester students are hereby informed to join and get the benefit of the Add-On course titled

"ORACLE"

Starting from 15th January 2021, from 1:40 PM to 2:30 PM

This course enables you to Create and maintain a database. It is general-purpose software that provides users with the processes of defining, constructing, and manipulating the database for various applications.

TaranathShikshanaSamsthe

Laxmi Venkatesh Desai College, Raichur

Re-Accredited by NAAC with B grade

DEPARTMENT OF COMPUTER SCIENCE

Course Title: ORACLE

Duration: 35hours

This Course is for Students B.Sc IV Semester

Aims and Objectives:

Enrich your future with database management skills through our Oracle Course Syllabus as it is used for creating and managing large databases. Get a complete understanding of a fully integrated stack of cloud applications and platform services with our comprehensive Oracle Course Curriculum. The students can learn basic database concepts and SQL fundamentals, restricting and sorting of data, single-row functions, joins, multi-row functions, sub-queries, data reporting using interface commands, DML and TCL, DDL and constraints, views, DCL commands, dictionary tables, and analytic functions in our Oracle Course Syllabus.

Basic DATABASE Concept and SQL

- Basic history of database concept: DBMS, RDBMS, ORDBMS
- · Advantage of ORACLE database and version information
- Interface tools usage: sqlplus, isqlplus, sqldeveloper, Toad
- SQL Language overview : DQL, DML, DDL, DCL, TCL
- What is the usage of ANSI standards.
- SELECT Command Column Alias Rules, String data
- Concatenations with various data

Restricting and Sorting Data

- WHERE Clause Character Strings and Dates, number
- General Comparison Conditions = > >= < <= <>
- Other Comparison BETWEEN, IN, LIKE, NULL
- Logical Conditions AND OR NOT
- ORDER BY Clause, Sorting by Column Alias, Column Position, Multiple Columns

Single-Row Functions

Character Functions: UPPER, LOWER, INITCAP, LENGTH, SUBSTR, INSTR, LPAD, RPAD, CONCAT, LTRIM, RTRIM, TRIM, REPLACE, TRANSLATE, REVERSE

- Number Functions: ROUND, TRUNC, MOD, POWER, CEIL, FLOOR, ABS
- Dates Functions: SYSDATE, MONTHS_BETWEEN, NEXT_DAY, LAST_DAY, ADD_MONTHS, ROUND, TRUNC, Arithmetic on Date
- Conversion Functions: Implicit Data-Type Conversion & Explicit Data-Type Conversion, TO_CHAR ,TO_NUMBER ,TO_DATE
- General Functions: NVL, NVL2, NULLIF, COALESCE
- CASE Expression, DECODE
- · Nested function with real-time usage

Joins

- EQUI JOIN / SIMPLE JOIN / NORMAL JOIN
- ANSI JOIN, LEFT OUTER, RIGHT OUTER, FULL OUTER
- NATURAL JOIN, NATURAL OUTER JOINS
- INNER JOIN, JOIN ... USING clause, JOIN ... ON clause,
- CROSS JOIN, NON-EQUI JOIN, SELF JOIN
- ORACLE STANDARD OUTER JOINS.
- Multi table Joins, Complex Joins How to simplified complex joins.

Multi-row Functions

- Group Functions Rules, SUM, MIN, MAX, COUNT, AVG
- Creating Groups of Data: GROUP BY Clause
- Filtering Group Results: The HAVING Clause

Sub-queries

- Single-Row Subqueries- Rules, Operators: = > >= < <= <>
- Null Values in a Subquery
- Multi-Row Subqueries- Rules, Operators: IN, ANY, ALL
 Reporting data using interface commands
- pagesize, linesize, column heading, column format, colsep
- tTitle, bTitle, break on column, spool, CSV file generation, Text file generation

DML and TCL

- DML: INSERT, UPDATE, DELETE, MERGE
- TCL: COMMIT, ROLLBACK, SAVEPOINT

<u>Data Definition Language – DDL</u>

DDL: CREATE, ALTER, RENAME, DROP, TRUNCATE

- DEFAULT OPTION.
- Constrain table copy

Constraints

- NOT NULL, UNIQUE, PRIMARY KEY, FOREIGN KEY, CHECK
- Column Level Constraint, Table Level Constraint Naming constraints and usage
- Adding a Constraint, Dropping a Constraint,
- Disabling Constraints, Enabling Constraints
- Validating Constraints

<u>Views</u>

- Simple Views and Complex Views, Create, Drop, Source Code
- Rules for Performing DML Operations on a View
- WITH CHECK OPTION, WITH READ ONLY
- Inline Views
- Materialized View , Create, Refresh, Drop Usage

DCL COMMANDS

- Creating Users
- Granting / Revoking Privileges
- Creating and Granting Privileges to a Role

Course Outcome

- > Get an in-depth understanding of database management systems through Oracle .
- > Get a complete understanding of a fully integrated stack of cloud applications and platform services.
- The students can learn basic database concepts and SQL fundamentals, restricting and sorting of data.
- Single-row functions, joins, multi-row functions, sub-queries, data reporting using interface commands, DML and TCL, DDL and constraints, views, DCL commands, dictionary tables, and analytic functions in our Oracle Course Syllabus.

PRINCIPAL L.V.D. College, RAICHUR-03. Head of the Bepartment M.A.Kareem



Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE, RAICHUR

ORACLE Time Table with effect from 15 | San | 202 | Class B. SC IV Department Science Section Room No. Time → 12:00 12:50 1:40 2:30 3:20 4:10 11:10 10:20 Days 1 Mon Osacle Tue -do-Wed Thu -do_ Fri -do-Sat

Computer Science.

Name of the Staff: Sweeter Dixil Ro

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STUDENT'S ATTENDANCE REGISTER

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Laxmi Venkatesh Desai College, Raichur

Affiliated to Gulbarga University, Kalaburagi& Re-Accredited by NAAC with B Grade

Department of Computer Science

Report of Add-On course

Add-On course:
Duration:

ORACLE 35 hrs 15-01-202

Started on: Completed on: 15-01-2021 22-02-2021

Name of the faculty:

Swathi Dixit

Total No of students admitted Total No of classes taken

35

Total No of students benefited

24

There were 24 students who joined the course and attended all the classes.

The Add-On course helped to understand the principles and techniques required in the design and implementation of database systems. It also covered essential DBMS concepts such as: Transaction Processing, Concurrency Control and Recovery, and various types of databases like distributed databases, and intelligent databases, Client/Server. Students are able to design and build a simple database system and demonstrate competence with the fundamental tasks involved with modeling, designing, and implementing a database. The students gained theoretical knowledge and practical skills in the use of database using Oracle in information technology applications.

Signature of Faculty

Miny

L.V.D. College, RAICHUR-03,







Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE RAICHUR

(Re-Accredited by NAAC with 'B' Grade)



This is to Certify that Mis	ss. / Mr. Abhishe	k	
of B.Sc IV	Semester has c	completed the	Certificate Course in
Data Base Man	agement Suste	M.	
Conducted by the Department 15th Jan 2021 to 22nd Je	ent of Computer	Science	·lrom
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Head of the Department			L. W.D. College, RAI HUR-03.
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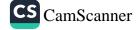
TSS's

Class: B.Sc

Laxmi Venkatesh Desai College, Raichur Department of Computer Science

Max Marks: 50

Sub: ORACLE Max Time: 1hr I. Select the correct answer from the given options. 1. What is Oracle? a) Oracle is a programming language b) Oracle is a database c) Oracle is a scripting language d) Oracle is an operating system 2. Which of the following is correct about Oracle? a) Oracle is a relational database management system b) Oracle was built in 1977 c) OracleDB is another name for it d) All of the mentioned 3. Which of the following database was designed first for enterprise grid computing? a) Oracle database b) SQL c) MongoDB d) Google database 4. Which of the following is not a Oracle Database feature? a) Scalability b) Availability c) Analytics d) None of the mentioned 5. Which of the following is an advantage of Oracle database? a) Portability b) Flashback Technology c) Performance d) All of the mentioned 6. Which of the following is a disadvantage of Oracle database? a) Difficult to manage c) Complexity d) All of the mentioned 7. What is Oracle database used for? a) Creating backup for data b) Accessing database servers c) Store and retrieve relevant data d) Both a & c 8. Which of the following components comprise an Oracle architecture? a) Tablespaces b) Datafiles c) Database related background processes d) All of the Mentioned 9. Which of the following area of PGA stores binding variables and run-time buffers information? b) SQL area c) Session area d) Private SQL area 10. Which of the following is the smallest unit of storage in an Oracle database? a) Segment b) Extent c) Data File d) Data Block



11. Which of the following is another name of	
a) Database Instance	b) Database Schema
c) Database Abstraction	d) None of the Mentioned
12. Which of the following is used to logically	group data together?
	b) Datafiles
a) Tablespace	d) Database
c) Object	d) Database
13. Which of the following package procedure	is UNRESTRICTED in Oracle?
a) CLEAR_BLOCK	b) USER_EXIT
c) CALL_INPUT	d) EXECUTE_QUERY
14. Oracle server configuration is dedicated for	r
a) One server process – One user process	
b) Many server processes – Many user processes	es
c) Many server processes – Many user process	23
d) One server process – Many user processes	
d) One server process – Many user processes	
15. Which schema object instructs Oracle to co	nnect to remotely access an object of a database?
a) Database Link	b) Sequence
c) Data Link	d) Remote Link
When a transaction modifies the database, C	Dracle copies the original data before modifying it.
What is the original copy of the modified data c	alled?
a) Redo Data	b) Undone Data
c) Undo Data	d) Archive Data
17 Which of the following is referred to as the l	language used application programs to request data
from the DBMS?	anguage used approximent programs to request and
a) DDL	b) Query language
c) DML	d) All of the Mentioned
c) DIVIL	d) An of the Mentioned
18. Which of the following is the subset of SQL	commands used to manipulate Oracle Database
structures, including tables?	Tomanas asea to manpanate State Balabase
a) Data Manipulation Language(DML)	b) Data Definition Language(DDL)
c) DDL and DML	d) None of the Mentioned
o, bbb and bill	b) I will of the international
19. Which of the following is not included in DM	1L (Data Manipulation Language)?
a) UPDATE	b) CREATE
c) INSERT	d) DELETE
HOLKI	d) DELETE
20. Which of the following keyword is used with	Data Control Language (DCL) statements?
a) INSERT	b) SELECT
e) GRANT	d) DELETE
1. Which of the following command is used to o	htain the structure of an O
) DESC TABLE [TableName].	b) STRUCTURE [TableName].
) DESCRIBE [TableName].	d) DESCRIBE STRUCTURE
TableName].	

a) Data Definition Language (DDL)	b) Data Control Language (DCL)
c) Data Communication Language (DCL) (DML)	d) Data Manipulation Language
23. Command to use is command is used for removing a	
a) Alter table command	b) Create command
c) Drop table command	d) All of the Mentioned
24. Which of the following is/are the DDL statements?	
a) Drop	b) Alter
c) Create	d) All of the Mentioned
25. Which of the following command is used to SELEC rows in SQL?	T only one copy of each set of duplicable
a) SELECT UNIQUE	b) SELECT DIFFERENT
c) SELECT DISTINCT	d) All of the Mentioned
26. Which of the following is record based logical mode	1?
a) E-R Model	b) Network Model
c) Object oriented model	d) None of the Mentioned
27. Which of the following is not a Key in SQL Server?	
a) Alternate	b) Secondary
c) Foreign	d) Primary
28. Which of the following is not a component of a data	warehouse?
a) Data metadata	b) Data extraction
c) Data warehouse data	d) None of the Mentioned
29. Which of the following is the oldest database model?	
a) Deductive	b) Physical
c) Network	d) Relational
30. Which of the following object types below cannot be	replicated?
a) Sequence	b) Data
c) Trigger	d) View
31. What is the result of the following 'ORA'NULL'CLE	E'?
a) ORA CLE	b) Error
c) NULL	d) ORACLE
32. The redo log buffer and Shared pool are elements of?	
a) SGA	b) PGA and Buffer cache
c) Buffer cache	d) PGA
33. Which processes is an instance made of Oracle?	
a) Data processes	b) Oracle background processes
c) Memory processes	d) All of the Mentioned
,	

. 34. The database schema is written in	
a) HLL	b) DML
c) DDL	d) DCL
35. Which two files are used during operation of the	he DBMS?
a) Query languages and utilities	b) DML and query language
c) Data dictionary and transaction log	d) Data dictionary and query language
o, but dictionaly and transaction log	d) Data dictionary and query language
36. A is a set of column that identifies every	row in a table.
a) Composite key	b) Foreign key
c) Candidate key	d) Super key
27 A separate the sumber of estimate at	ish and a suite as becaused
37. A represents the number of entities to wh	
a) Mapping cardinality	b) Table
c) Schema	d) Information
38. A set of possible data values is called	
a) Attribute	b) Degree
c) Tuple	d) Domain
39. To change column value in a table thecom	mand can be used.
a) Create	b) Insert
c) Alter	d) Update
c) Alter	d) Optime
40. Command can be used to modify a column in a t	
a) Alter	b) Update
c) Set	d) Create
41. Grant and revoke are statements.	
a) DDL	b) TCL
c) DCL	d) DML
42. Ais used to define overall design of the data	base b) Application program
a) Schema	,
c) Data definition language	d) Code
3. Key to represent relationship between tables is cal	lled
a) Primary key	b) Secondary key
c) Foreign key	d) None of the above
Keyword is used to find the number of values in a	
a) TOTAL	b) COUNT
c) ADD	c) SUM
5. A relational database developer refers to a record a	
a) A criteria	b) A relation
c) A tuple	d) An attribute

46. Related fields in a database are grouped t	o form a
a) Data file	b) Data record
c) Menu	d) Bank
47. A functional dependency is a relationship	between or among
a) Tables	b) Rows
c) Relations	d) Attributes
48. Which command is used to remove a relate	tion from an SOL?
a) Drop table	b) Delete
c) Purge	d) Remove
49. Procedural language among the following	is
a) Domain relational calculus	b) Tuple relational calculus
c) Relational algebra	d) Query language
50 operations do not pres	serve non-matched tuples.
a) Left outer join	b) Inner join
c) Natural join	d) Right outer join
United the Systematic Management of the Systematic of the Systema	u) Right outer John

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Laxmi Venkatesh Desai College, Raichur. Department of Computer Science ADD-On Course

Class: B.SC

Sub:ORACLE

SL.NO	Register No	Name	Marks	Signature
1.	2068657	CHAITHANYA	49	co.
2.	2068660	G S SUSHMA	48	Sud
3.	2068760	BHAVANA	48	Blavani
4.	2068759	SYEDA GOUSIYA	48	Gousiya.
5.	2068980	DURAGAPPA	47	Duringappa
6.	2068982	OMKAR	45	Dav
7.	2068858	ANUSHA KEELI	49	April
8.	2068981	HANUMANTHAPPA	44	Harris
9.	2069018	MANJUNATHA	47	Margus
10.	2068896	KETHAVATH HARISH NAIK	. 46	Harish
11.	2068785	SHANKAR GOUDA	47	Shandar
12.	2068942	АҮҮАРРА	46	АЧЧАРРА
13.	2068669	PUTTARAJ MAHESH BIRADAR	48	Mahesh
14.	2068853	ROHIT	48	1
15.	2068859	ABHISHEK	49	ABHISEK
16.	2068850	G DEEPIKA	48	Teepika
17.	2068719	SHIVAKUMAR	45	Shive
18. 2068909		SHUBAM KALYANKAR	46	Shuban
19.	2068665	SUSHMITHA R	49	sushmitha
20.	2069028	AFREEN BEGUM	48	Afreen
21.	2068939	NAGAVENI AUTI	49	mager
22.	2068763	VADDE LAVANYA	48	Lavanita.
23.	2068941	SHOBHA POOJAR	48	SHOBA
24.	91953498	NAVEEN	47	N.

Staff Incharge Swalli Dixit

may Each.