



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
9	Summary Report
10	Model certificate
11	Question Paper
12	Marks sheet



Taranath Shikshana Samsthe



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,
RAICHUR-584 101.


Principal
PRINCIPAL
L.V.D. COLLEGE, RAICHUR

Date: 27/11/2020

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,

Yours Faithfully,

Head of Department
Computer Science
L. V. D. College,
RAICHUR-584 102

Permitted


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



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Office of the Principal
Ph:(08532)-240286, 240707
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Website:www.lvdcollege.c

Date: 16/10/2020

ORDER

Sub: Meeting of Board of Studies members

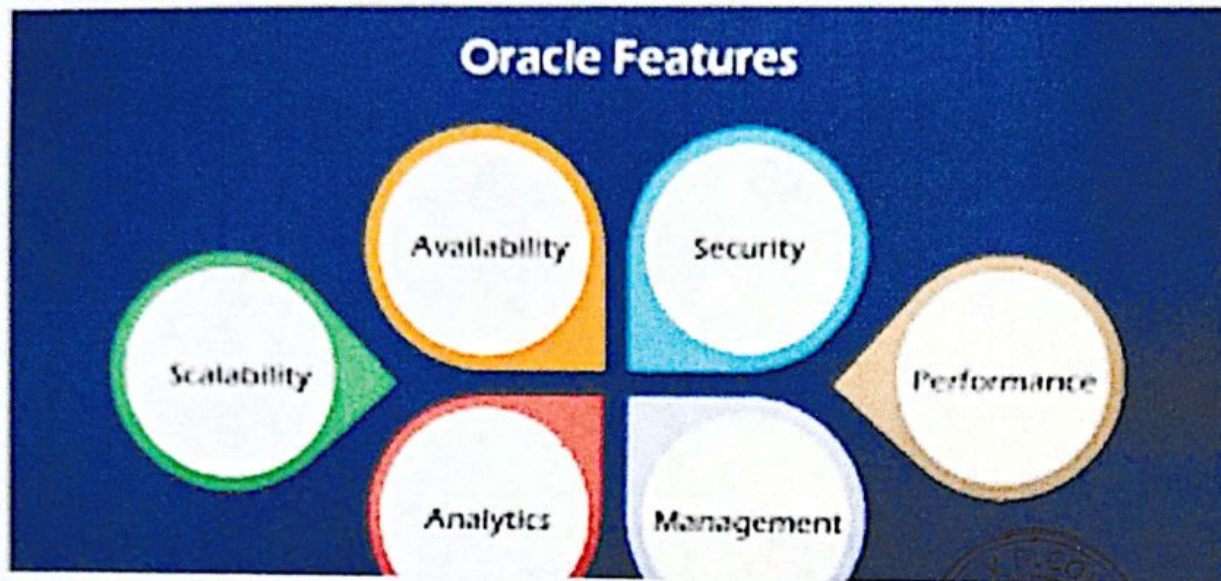
A meeting of the following BOS constituted is hereby convened on 23/10/2020 at 04:30 PM in the Department of Computer Science, LVD College, Raichur.

BOARD OF APPOINTMENT OF BOS MEMBERS FOR ADD-ON COURSE

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

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

[Signature]
PRINCIPAL
PRINCIPAL
L.V.D. College, RAICHUR-03.



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. Padmavathi.

Lecturer

Department of Computer Science

Hurry up
Join Now

PRINCIPAL
College, RAICHUR



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

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.

gfh
B.Sc III year

gfh
B.Sc II year

gfh
B.A III year

gfh
(B.Sc I sem)
1/1/2021

gfh

Signature of HoD
Head of Department
Computer Science
L. V. D. College,
RAICHUR-584 101

gfh
B.A I year

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

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

Data Definition Language – DDL

- 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

Views


- 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 Department
M.A.Kareem



Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE, RAICHUR

ORACLE

Computer Science

Time Table with effect from 15/Jan/2021 Class B.Sc IV Department Computer Science Section _____ Room No. _____

Time → Days ↓	10:20	11:10	12:00	12:50	1:40	2:30	3:20	4:10	
Mon					Oracle				
Tue					-do-				
Wed					-do-				
Thu					-do-				
Fri					-do-				
Sat					-do-				

Head of Department
 Head of Department
 Computer Science
 L.V.D. College,
 Raichur

Name of the Staff :

Swati Dixit Patil

Principal
 L.V.D. College,
 Raichur

Laxmi Venkatesh Desai College, Raichur

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

Department of Computer Science

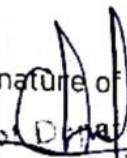
Report of Add-On course

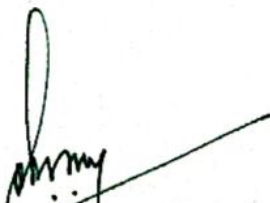
Add-On course:	ORACLE
Duration:	35 hrs
Started on:	15-01-2021
Completed on:	22-02-2021
Name of the faculty:	Swathi Dixit
Total No of students admitted	24
Total No of classes taken	35
Total No of students benefited	24

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


Signature of HoD
Head of Department
Computer Science
L. V. D. College,
RAICHUR-584 101


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



Taranath Shikshana Samsthe

LAXMI VENKATESH DESAI COLLEGE RAICHUR

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

Certificate

This is to Certify that Miss. / Mr. [✓] Abhishek
of B.Sc IV semester has completed the Certificate Course in
Data Base Management System.
Conducted by the Department of Computer Science. from
15th Jan 2021 to 22nd Feb 2021.

Head of the Department
Computer Science



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

TSS's
Laxmi Venkatesh Desai College, Raichur
Department of Computer Science

Class: B.Sc
Sub: ORACLE

Max Marks: 50
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
- b) Cost
- 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?

- a) Stack space
- 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 Oracle database's design?
 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?
 a) Tablespace
 b) Datafiles
 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
 a) One server process – One user process
 b) Many server processes – Many user processes
 c) Many server processes – One user process
 d) One server process – Many user processes
15. Which schema object instructs Oracle to connect to remotely access an object of a database?
 a) Database Link
 b) Sequence
 c) Data Link
 d) Remote Link
16. When a transaction modifies the database, Oracle copies the original data before modifying it. What is the original copy of the modified data called?
 a) Redo Data
 b) Undone Data
 c) Undo Data
 d) Archive Data
17. Which of the following is referred to as the language used application programs to request data from the DBMS?
 a) DDL
 b) Query language
 c) DML
 d) All of the Mentioned
18. Which of the following is the subset of SQL commands used to manipulate Oracle Database structures, including tables?
 a) Data Manipulation Language(DML)
 b) Data Definition Language(DDL)
 c) DDL and DML
 d) None of the Mentioned
19. Which of the following is not included in DML (Data Manipulation Language)?
 a) UPDATE
 b) CREATE
 c) INSERT
 d) DELETE
20. Which of the following keyword is used with Data Control Language (DCL) statements?
 a) INSERT
 b) SELECT
 c) GRANT
 d) DELETE
21. Which of the following command is used to obtain the structure of an Oracle table?
 a) DESC TABLE [TableName].
 b) STRUCTURE [TableName].
 c) DESCRIBE [TableName].
 d) DESCRIBE STRUCTURE [TableName].

34. The database schema is written in
a) HLL
c) DDL
b) DML
d) DCL
35. Which two files are used during operation of the DBMS?
a) Query languages and utilities
c) Data dictionary and transaction log
b) DML and query language
d) Data dictionary and query language
36. A is a set of column that identifies every row in a table.
a) Composite key
c) Candidate key
b) Foreign key
d) Super key
37. A represents the number of entities to which another entity can be associated
a) Mapping cardinality
c) Schema
b) Table
d) Information
38. A set of possible data values is called
a) Attribute
c) Tuple
b) Degree
d) Domain
39. To change column value in a table thecommand can be used.
a) Create
c) Alter
b) Insert
d) Update
40. Command can be used to modify a column in a table
a) Alter
c) Set
b) Update
d) Create
41. Grant and revoke are _____ statements.
a) DDL
c) DCL
b) TCL
d) DML
42. Ais used to define overall design of the database
a) Schema
c) Data definition language
b) Application program
d) Code
43. Key to represent relationship between tables is called
a) Primary key
c) Foreign key
b) Secondary key
d) None of the above
44. Keyword is used to find the number of values in a column.
a) TOTAL
c) ADD
b) COUNT
d) SUM
45. A relational database developer refers to a record as
a) A criteria
c) A tuple
b) A relation
d) An attribute

- 46. Related fields in a database are grouped to 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 relation from an SQL?
 - 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 preserve non-matched tuples.
 - a) Left outer join
 - b) Inner join
 - c) Natural join
 - d) Right outer join

Class: B.SC

Sub: ORACLE

SL.NO	Register_No	Name	Marks	Signature
1.	2068657	CHAITHANYA	49	
2.	2068660	G S SUSHMA	48	
3.	2068760	BHAVANA	48	
4.	2068759	SYEDA GOUSIYA	48	
5.	2068980	DURAGAPPA	47	
6.	2068982	OMKAR	45	
7.	2068858	ANUSHA KEELI	49	
8.	2068981	HANUMANTHAPPA	44	
9.	2069018	MANJUNATHA	47	
10.	2068896	KETHAVATH HARISH NAIK	46	
11.	2068785	SHANKAR GOUDA	47	
12.	2068942	AYYAPPA	46	
13.	2068669	PUTTARAJ MAHESH BIRADAR	48	
14.	2068853	ROHIT	48	
15.	2068859	ABHISHEK	49	
16.	2068850	G DEEPIKA	48	
17.	2068719	SHIVAKUMAR	45	
18.	2068909	SHUBAM KALYANKAR	46	
19.	2068665	SUSHMITHA R	49	
20.	2069028	AFREEN BEGUM	48	
21.	2068939	NAGA VENI AUTI	49	
22.	2068763	VADDE LAVANYA	48	
23.	2068941	SHOBHA POOJAR	48	
24.	91953498	NAVEEN	47	

Staff Incharge
Swathi Dixit