

# SAMBHRAM ACADEMY OF MANAGEMENT STUDIES

## SCHOOL OF COMPUTER SCIENCE

### LESSON PLAN

|                              |   |               |                    |   |                         |
|------------------------------|---|---------------|--------------------|---|-------------------------|
| <b>Name of the faculty</b>   | : | AMALORPAVAM.G | <b>Designation</b> | : | Assistant Professor     |
| <b>Course &amp; Semester</b> | : | II SEM        | <b>Subject</b>     | : | Data Base Mgmt. Systems |
| <b>Duration</b>              | : | Jan- 2021     |                    |   |                         |

#### Objectives:

The course is designed to aim at imparting a basic knowledge about Data Base Management Systems and to make the students to understand the various techniques like basic database concepts, applications, data models, schemas, instances, Normalization, SQL queries and recovery techniques.

**Teaching pedagogy:**Talk, Chalk, Board.

#### Expected Outcomes:

At the end of the course the students are able to:

1. Apply the basic concepts of Database Systems and Applications.
2. Use the SQL and construct queries using SQL in database creation and interaction.
3. Design a commercial relational database system (Oracle, MySQL) by writing SQL using the system and Analyse and Select storage and recovery techniques of database system.

| SI No | Month | Unit | Topics to be covered  | No. of hours required |
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| 2     | Jan   | 01   | Implications of DB approach   | 1                     |
| 3     | Jan   | 01   | Advantages of using DBMS, When not to use DBMS                        | 1                     |
| 4     | Jan   | 01   | Data Models, schemas & Instances                                      | 1                     |
| 5     | Jan   | 01   | DBMS Architecture & Data Independence                                 | 1                     |
| 6     | Jan   | 01   | Database language and interfaces                                      | 1                     |
| 7     | Jan   | 01   | The Database Environment , Classifications of DBMS                    | 1                     |
| 8     | Jan   | 02   | High level Conceptual Data Models for Database Design with an example | 1                     |
| 9     | Jan   | 02   | Entity Types, Entity Sets Attributes, keys                            | 1                     |
| 10    | Jan   | 02   | ER Model Concepts ,Notation for ER Diagrams.                          | 1                     |
| 11    | Jan   | 02   | Proper Naming of Schema Constructs,                                   | 1                     |

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| 12 | Jan | 02 | Relationship of degree higher than two                                     | 1 |
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**SCHOOL OF COMPUTER SCIENCE**

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#### **SKILL DEVELOPMENT ACTIVITIES:**

- 1) Create an Employee Database, and alter the table, add new columns, remove an existing column and change data type of an existing column.
- 2) Create a student database and calculate total marks, average marks and result of each student.
- 3) Create a bank data base, and implement deposit, withdrawal and balance checking activities.

#### **ASSIGNMENTS:**

1. Write a PL/SQL program to find the factorial of a number
2. Write a PL/SQL program to add a new row into an existing database
3. Explain the process of normalization with examples.

**Signature of the faculty**

**Signature of the HoD**

**Signature of the Principal**

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**SAMBHRAM CENTRE FOR PG STUDIES**  
LESSON PLAN (AUGUST 2016 - DECEMBER 2016)

Name of the Faculty: Ms. Rema Narayanswamy

Course: M.Com Semester: III

Subject: Corporate Financial Reporting

Teachings Aids: Lectures, demonstrations, practical exercises, presentations and case studies

| MODULE | TOPICS   | TOTAL LECTURE HOURS | CASE STUDY | ACTIVITY | NO. OF ASSIGNMENTS | PRESENTATIONS | CLASS TESTS | REMARKS |
|--------|--|---------------------|------------|----------|--------------------|---------------|-------------|---------|
| 1      | Accounting Standards, interpretation, overview etc.  | 05                  |            |          | 02                 |               |             |         |
| 2.     | IFRS significance of Indian GAAP, application of GAAP.                                     | 09                  |            |          | 02                 |               | 02          |         |
| 3..    | Concept of Triple Bottom Line Reporting , Global Reporting Initiative                      | 12                  |            |          | 03                 |               | 02          |         |
| 4.     | Meaning, recognition, compound financial instruments, reporting by NBFC, hedge accounting. | 15                  |            |          | 04                 |               | 02          |         |
| 5.     | Value Added statement, EVA, MVA, shareholders' value statement.                            | 12                  |            |          | 03                 |               |             |         |

Date: 10-08-2016

*Keer*  
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Associate Professor

|    |     |    |  |   |
|----|-----|----|--|---|
| 39 | Mar | 05 | Cursor Management                                | 1 |
| 40 | Mar | 05 | Database Triggers                                | 1 |
| 41 | Mar | 05 | Functions,                                       | 1 |
| 42 | Mar | 05 | Procedures and packages                          | 1 |
| 43 | Mar | 05 | Transaction                                      | 1 |
| 44 | Mar | 05 | System Concepts                                  | 1 |
| 45 | Mar | 05 | Desirable Properties of transaction Schedules    | 1 |
| 46 | Mar | 05 | Recoverability                                   | 1 |
| 47 | Mar | 05 | Serializability of Schedules                     | 1 |
| 48 | Mar | 05 | Transaction Support in SQL,                      | 1 |
| 49 | Apr | 05 | Locking Techniques                               | 1 |
| 50 | Apr | 05 | Concurrency control based on time stamp ordering | 1 |
| 51 | Apr | 05 | Optimistic Concurrency control techniques        | 1 |
| 52 | Apr | 05 | Using for Concurrency control in indexes         | 1 |

### SKILL DEVELOPMENT ACTIVITIES:

- 1) Create an Employee Database, and alter the table, add new columns, remove an existing column and change data type of an existing column.
- 2) Create a student database and calculate total marks, average marks and result of each student.
- 3) Create a bank data base, and implement deposit, withdrawal and balance checking activities.

### ASSIGNMENTS:

1. Write a PL/SQL program to find the factorial of a number
2. Write a PL/SQL program to add a new row into an existing database
3. Explain the process of normalization with examples.

Signature of the faculty

Signature of the HoD

Signature of the Principal

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