# Teaching Plan Academic Year 2019-2020

**Name of Teacher:-Kulkarni Chandraprabha V.**

**Class: BSCCS. F.Y. Semester: II**

**Course Title: Data Base Management System**   **Course Code: U-DBM-272**

| Unit | Topics To be Covered | Date | No. of Lectures |
|------|----------------------|------|-----------------|
| Unit I | 1. **Introduction to Database :**<br> Definition of DBMS, File processing Vs DBMS<br> Advantages and disadvantages of DBMS<br> Users of DBMS ,DBMS structure | 16-28 dec 2019 | 10 |
|  | 2. **Elements of DBMS**<br>DBMS Languages: DDL, DML, DCL Terms: Entity ,Entity Set,attributes<br>Keys: Primery ,Secondary,Foreign,Composite | 1-19 jan 2020 | 5 |
| Unit II | 3. **Data Models**<br>Introduction, Object based logical model,<br>Record based logical model (RDB, NDB, HDB),E-R model,E-R diagram | 20 - 27 jan 2020 | 5 |
|  | 4. **Relational Algebra and Calculus**<br> Introduction ,Relation, Schemes, Domain, Tuples<br>Cardinality degree,Algebric operation, Fundamental Operation:<br>Select, product, union,Set difference,Natural join,cartesion product,rename<br>Relational calculus: Tuple and domain relational calculus | 28 -15 feb 2020 | 15 |
| Unit III | 5. **Relational Database Design**<br>Normalization: INF, 2NF, 3NF, BCNF<br>Class diagrams and E-R tables,Functional dependency | 17-26 feb 2020 | 5 |
|  | 6. **SQL:- Data** Typers,Table creation,Modify,selecting ,deleting records.<br>Simple queries,Oracle Constraints | 6-14 march 2020 | 5 |
| Unit IV | 7. **Use of Operators**<br>Comparison operators,Between,In,Not in,Like,Null<br>Logical Operatoes: And,OR,NOT | 16-21 march 2020 | 5 |
|  | 8. **Advance in SQL**<br>SQL function,Joins((self and equi)<br>Sub -Queries,Views | 23-31 march 2020 | 5 |

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## 2. Summary of Lesson Plan

**Name of Teacher : Prof. Kulkarni Chandraprabha V.**        **Class: BSc C.S. FY(I Sem)**        **Teaching Hour :70**

| Sr. No. | Unit and Chapter to be covered | Date | | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
| --- | --- | --- | --- | --- | --- | --- |
| | | FROM | TO | | | |
| 1. | UNIT I: Introduction to Linux and File System | 17/06/2019 | 30/07/2019 | 25 | ICT Teaching By Using Projector | Class Test |
| 2. | UNIT II: Linux commands | 31/07/2019 | 05/08/2019 | 20 | ICT Teaching Through Projector | Class Test |
| 3 | UNIT III: VI Editor | 09/08/2019 | 25/08/2019 | 10 | Seminar | Class Test |
| 4 | UNIT IV: RPM | 26/08/2019 | 24/09/2019 | 15 | Classroom Seminar | Class Test |

**Course Teacher**

**Prof. Kulkarni Chandraprabha V.**

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