

BCA: 2nd SEMESTER

DATABASE MANAGEMENT SYSTEM

Code: BCA 110

## OBJECTIVE:

The objective of this paper is to identify the foundation terms and concepts that are commonly used in Database Management System. This course will give complete descriptions about the terms used in the Database Management System.

## QUESTIONS:

1. Explain the three tier architecture of DBMS.
2. Explain the inheritance, specialization and generalization in DBMS.
3. Explain the various Codd's Rules in DBMS
4. What do you mean by Normalization in DBMS? Explain the various Normal Forms of a DBMS with an example upto 3NF.
5. Explain the Backup and Recovery Techniques in a DBMS.

## PROCEDURE:

For completing the assignment students should refer to the books mentioned in syllabus and they can take help from internet. The assignment should be handwritten and properly filled. Students should make assignment in the following manner:

1. Cover page
2. Objectives
3. Index
4. Content
5. Conclusion
6. References
7. Softcopy AND Hardcopy
8. Give proper headings and subheadings
9. Explain every topic in points and using diagrams.
10. Put Examples

## OUTCOME:

After doing this assignment, students will come to understand the important terminologies to related to the Database Management System.

## TEXT BOOKS:

- [T1] R. Elmarsri and SB Navathe, "Fundamentals of Database Systems", Pearson, 5th Ed.  
[T2] Singh S.K., "Database System Concepts, design and application", Pearson Education  
[T3] Ramakrishnan and Gherke, "Database Management Systems", TMH.

## REFERENCE BOOKS:

- [R1] Abraham Silberschatz, Henry Korth, S. Sudarshan, "Database Systems Concepts", 4th Edition, McGraw Hill, 1997.