



SNS COLLEGE OF TECHNOLOGY, COIMBATORE-35

(AN AUTONOMOUS INSTITUTION)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

23CST201-DATABASE MANAGEMENT SYSTEM

UNIT-I

Introduction

Components of DBMS:

Hardware, Software, Data, Database Access Language, Procedures and Users all together form the components of a DBMS.

Hardware

- The hardware is the actual computer system used for keeping and accessing the database.
- The conventional DBMS hardware consists of secondary storage devices such as hard disks.
- Databases run on the range of machines from microcomputers to mainframes.

Software

- Software is the actual DBMS between the physical database and the users of the system.
- All the requests from the user for accessing the database are handled by DBMS.

Data

- It is an important component of the database management system.
- The main task of DBMS is to process the data.
- Databases are used to store the data, retrieved, and updated to and from the databases.

Users

There are a number of users who can access or retrieve the data on demand using the application and the interfaces provided by the DBMS.

