Information Technology

Vision: To Visualize the creation of skilled, proficient IT professionals to meet current challenges.

Mission:
- To encourage young minds for training & entrepreneurship.
- To convey standard education with rapidly changing environment with ethical values.
- To provide an environment where students can continuously learn, apply & communicate knowledge.

Name Of Program :- Diploma in Information Technology   **Date :- 22/08/2022**
Course Title :- Principle Of Database (22321) - Sem III (2022 -23)
Course Outcome :- C303.1. Use of fundamental concepts of database in a Database System
Chapter Name :-Basics of Database And Architecture

Assignment No:- 1

Q1) Define the following terms:

    i)   Data
    ii)   Database and its purpose
    iii)   Characteristics of database

Q 2) Explain the advantages of file processing system.
Q 3) State & explain 4 advantages of DBMS over file processing system
Q 4) Explain different type of database in detail.
Q 5) Explain disadvantages of DBMS.
Q 6) Explain different database product.
Q 7) List any 4 application of DBMS.
Q 8) Describe data abstraction with neat diagram.
Or
Explain in detail the different level of abstraction.
Q 9) write a short note on database language.
i.DDL ii. DML, iii.DCL iv.TCL.

Q 10) Explain data independency.
Q 11) Explain data integrity.
Q 12) Explain 3 tier architecture with neat diagram.

Last Date of Submission :- 30\08\2022
Course Coordinator :- Mrs. Kalyani Kapde (SYIF)

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Name Of Program :- Diploma in Information Technology   **Date :- 22/08/2022**
Course Title :- Principle Of Database (22321) - Sem III (2022 -23)
Course Outcome :- C303.2   choose relevant data model to solve a problem
Chapter Name :- Data Models & Data Types

Assignment No:- 2

Q1) List various Data models.

Q 2) Describe relational model with example and Basic concept of relational mode.

Q 3) Explain domain attribute Tuples and relation in details

Q4) Explain types of database system in detail

Q 5) Explain types of distributed database system.

 i)Centralize ii) parallel, iii) client/server And iv) distributed database system

Q 6) explain architecture of distributed database system.

Q 7) write short note on distributed database design

Last Date of Submission :-   22/09/2022

Course Coordinator :- Mrs. Kalyani Kapde (SYIF)