



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 :-

Course Title :- Database Management System (313302)

Sem-III

(2026 -27)

Course Outcome :- CO

Chapter Name :- Introduction to database system.

Assignment No:-1

Q.1 What is data,database,database management system.

Q.2 Explain with neat labeled diagram concept of data abstraction.

Q.3 Explain in detail overall structure of DBMS.

Q.4 Explain relational data model with diagram.

Q.5 Explain Networking data model with diagram.

Last Date of Submission:-

Course Coordinator :- Mrs. Samika Patil(SYIF)



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Course Outcome :- CO

Chapter Name :- Relational data model.

Assignment No:-2

Q.1 Explain tables(relations),rows(tuples),domains,attributes,entities.

Q.2 Explain the concept of foreign key.

Q.3 Explain Entity relationship model with diagram.

Q.4 Explain concept of candidate key.

Q.5 Explain 1NF and 2NF forms of normalisation.

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Course Outcome :- CO

Chapter Name :- Interactive and Advanced SQL Performance Tuning.

Assignment No:-3

Q.1 What is SQL.Explain DML commands.

Q.2 Explain concept of views and sequences.

Q.3 Explain string functions.

Q.4 Explain aggregate functions.

Q.5 Explain the concept of index.

Q.6 Explain the order by and group by clause.

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Course Outcome :- CO

Chapter Name :- PL/SQL Programming.

Assignment No:-4

Q.1 Draw block structure of PL/SQL.

Q.2 State advantages of PL/SQL.

Q.3 List any four statements of PL/SQL.

Q.4 Differentiate between PL/SQL function and procedure.

Q.5 Write a PL/SQL program to display 10 reverse numbers.

Q.6 Explain advantages of functions.

Q.7 Explain different types of triggers.

Q.8 Give with example exception handling process.

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Course Outcome :- CO

Chapter Name :- Database administration.

Assignment No:-5

Q.1 Describe concept of data mining and big data.

Q.2 What is data warehouse.

Q.3 Explain data recovery techniques like roll forward and rollback.

Q.4 Explain different states of transaction.

Q.5 Explain lock based concurrency control.

Q.6 Explain the concepts of physical and logical database backups.

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