



# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

**Department of Computer Engineering**

## **Report on Innovative Learning Practices**

**Academic Year 2022-23**

**FH-23**

**Subject: Database Management System (CSC403)**

In software engineering approach without designing, you cannot do anything. Database management system consists E-R diagram. E-R diagram having components like Entity, Attributes, Relationship, and its type.

To work as a database engineer, a person should know the concepts of E-R diagram. To understand real life application i have given real life scenarios to students as a group activity.

The List of Topic/ Scenarios is:

1. College Library
2. Hospital
3. Bank
4. Exam department
5. E commerce website
6. Hotel or Restaurant Management System
7. Railway Reservation System
8. Engineering Admission Process

Students in each group designed an E-R diagram for the above scenario which helps students to understand the database concepts and they like to work in groups.

### **Objectives:**

1. To recognize the need of database management system.
2. To design ER and EER diagram for real life application

### **Outcomes:**

After the successfully completion of case study students can

1. Understood the need for a database management system.
2. Design ER and EER diagram for real life application.

Cooperative learning involves students working together to accomplish shared goals, and it is this sense of interdependence that motivate group members to help and support each



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other. When students work cooperatively, they learn to listen to what others have to say, give, and receive help, reconcile differences, and resolve problems democratically.

A tried-and-trusted cooperative learning technique that allows students to create their own learning. Students are divided into groups and each group is given different pieces of information that they must learn sufficiently in a group.

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**Subject In-Charge**