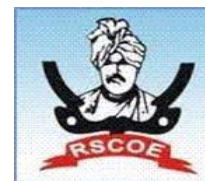




**JSPM's
RAJARSHI SHAHU COLLEGE OF
ENGINEERING
TATHAWADE, PUNE-33
(An Autonomous Institute Affiliated to Savitribai
Phule Pune University, Pune)**



**A. Statement of Clear Goal, Use of appropriate methods, Significance of results,
Effective presentation**

Name of the Course: Database Management System

Name of the Faculty: Prof. Kirti Dhande

Name of the Innovative Method used: Flipped Classroom

Name of the topic: ER Diagram using Lucid Chart Tool.

Class:-TY A Div

A. Statement of Clear Goal:

The goal of implementing the Flipped Classroom approach was to empower students to take ownership of their learning by accessing instructional content at their own pace. This method aimed to deepen their understanding of *Entity Relationship Diagrams (ERDs)* through pre-class conceptual study and in-class practical engagement using the **Lucidchart tool**.

The primary objective was to cultivate lifelong learning skills by encouraging self-discipline, time management, and self-directed study habits during the pre-class phase. In-class sessions were designed to foster **critical thinking, collaboration, and problem-solving** as students created and analyzed ER Diagrams interactively.

B. Use of Appropriate Methods

Before the class, students were provided with video tutorials and reference materials explaining the fundamentals of ER modeling concepts such as entities, attributes, relationships, and cardinalities.

During class, students applied these concepts by **designing ER Diagrams using Lucidchart**, working individually and in small groups under faculty guidance. The activity emphasized practical learning, visual design thinking, and peer discussion to strengthen conceptual clarity.

C. Significance of result:

- **Improved Student Engagement:** Students actively participated in the in-class activity, showing higher motivation and curiosity.
- **Personalized Learning:** Faculty provided real-time guidance and feedback based on individual student progress.

- **Enhanced Conceptual Understanding:** Students developed a clearer understanding of data modeling and database design principles.
- **Development of Self-Regulation:** Learners practiced time management and self-learning while preparing pre-class content.
- **Integration of Technology Skills:** Students became proficient in using digital tools like Lucidchart, enhancing their visualization and technical presentation skills.

D. Effective Presentation

The activity outcomes were demonstrated through **student-created ER Diagrams in Lucidchart**, which were presented and discussed in class. Selected diagrams were reviewed collectively to highlight best practices and common design errors. This visual, collaborative approach helped reinforce theoretical concepts through hands-on application and peer learning.

Effective Presentation (Screenshot):



Peer Review and Critique (Feedback):

How Engaging the Flip classroom activity? *

- ☒ Very Engaging
- ☐ Somewhat Engaging
- ☐ Neutral

How Confident you feel about applying what you learned? *

- ☐ Very Confident
- ☒ Confident
- ☐ Neutral

What did you feel about Flipped classroom activity? *

- ☒ Engaging sessions

A. Feedback form

How Engaging the Flip classroom activity? ▾	How Confident you feel about applying what you learned? ▾	What did you feel about Flipped classroom activity? ▾	What was your favorite part of Flipped classroom activity? ▾
Very Engaging	Neutral	Clear understanding	learning with fun
Very Engaging	Confident	Engaging sessions	learning with fun
Very Engaging	Very Confident	Engaging sessions	learning with fun
Very Engaging	Very Confident	Engaging sessions	Better Understanding
Somewhat Engaging	Very Confident	Clear understanding	learning with fun
Somewhat Engaging	Confident	Everything was good	learning with fun
Very Engaging	Confident	Everything was good	Increase other skills too
Somewhat Engaging	Confident	Clear understanding	learning with fun
Very Engaging	Confident	Clear understanding	learning with fun
Very Engaging	Very Confident	Clear understanding	learning with fun
Very Engaging	Very Confident	Clear understanding	Increase other skills too
Somewhat Engaging	Confident	Clear understanding	learning with fun
Somewhat Engaging	Confident	Clear understanding	learning with fun
Very Engaging	Very Confident	Clear understanding	Increase other skills too

B. Availability of work related to Innovation by Faculty in Teaching and Learning is on Institute website.