



Department of Computer Science and Engineering

Academic Year 2024 – 2025 (Even Semester)

Degree, Semester & Branch : IV Semester B.E CSE-‘A’
Course Code & Title : CS3492 & Database Management Systems
Name of the Faculty member : Mr. K.Vignesh Saravanan, AP-III / CSE

Innovative Practice Description

- **Unit / Topic:** Unit I / SQL fundamentals – DDL, DML, DCL, TCL
- **Course Outcome:** CO 1
- **Topic Learning Outcome:** TLO 3
- **Activity Chosen:** Peer Discussion Learning
- **Justification:**

Peer discussion helped to make the concepts more interesting and set them apart from the regular syllabus. Students will get in-depth knowledge of the particular topics. It is also helpful to enhance their technical and non-technical knowledge as well as communication skills.

- **Time Allotted for the Activity:** 30 Minutes
- **Details of the Implementation:**

After I completed the Unit-1, SQL categories of commands, topics were given to the students prior to the start of the event for preparation purposes. The activity is to make to students very clear with the categories of commands and able to write SQL queries. Students are made to construct any query of their own for any tables. Each and every student shared their SQL commands written to others, so that all students will get depth knowledge and practice on all the categories of the commands. Students are also made to write the query in a paper. The papers are collected and shared with their peer members and make them understand the doubts. The doubts that cannot be solved by the students are addressed by me. The students felt they understood the concepts better.

- **CO – PO / PSO mapping:**

| CO | PO1 | PO2 | PO3 | PO12 | PSO3 |
|-----|-----|-----|-----|------|------|
| CO1 | 3 | 3 | 3 | 2 | 3 |

(1 – Low 2 – Moderate 3 – High)

- **PO / PSO mapped:**

| Innovative practice | PO9 | PO10 | PO12 |
|--------------------------------------|-----------------------|------------------------|----------------------------|
| | 1 | 2 | 2 |
| Justification for correlation | Student individuality | Written communication/ | Student will implement the |

| | | | |
|--|----------------------------|-------------------------------|---|
| | in expressing their doubts | Asking questions are improved | questioning skill in future in written format |
|--|----------------------------|-------------------------------|---|

• **Images / Screenshot of the practice:**



Figure.1 – Screenshots of Peer Discussion Learning done by the students

❖ **Reflective Critique:**

- The problem-solving capabilities of students will be improved.
- It is helpful for the students to understand the concept of evaluating a decision tree.

❖ **Benefit of the practice:**

- Students can able to attend the question even in the questions are in indirect form.
- Students can able to explain the concepts without any confusion.
- Students understood the concept which was reflected from their answers for the questions I have asked during discussion session.

❖ **Challenges faced in implementation:**

- Some students feel that the discussion is tough due to their lack of interest.
- Students feel like a time-consuming activity.
- An equal contribution from all the students is not possible.

References:

- ❖ <https://www.edsys.in/what-is-peer-teaching/>
- ❖ <https://www.opencolleges.edu.au/informed/features/peer-teaching/>
- ❖ <https://tilt.colostate.edu/TipsAndGuides/Tip/180>