Academic Year 2022-2023 Even Semester

Degree, Semester & Branch: VI Semester B.TECH Information Technology

Course Code & Title: JCS1009 Data Warehousing And Data Mining

Name of the Faculty member (s): Dr.D.Parameswari, **Professor/ IT**

Innovative Practice Description

Unit 1-Topic: Data Warehouse Schemas for Decision Support,

Course Outcome: CO1

Topic Learning Outcome: 1.3

Activity Chosen: Collaborative learning

Justification:

Drawing different schemas for problem and taking decision need deeper knowledge and different kinds of ideas. By collaborative learning Students will get in-depth knowledge of the particular topics and also making the students to accomplish tasks together is to help students learn the complexities of solving a problem and promote deeper learning through doing. It is also helpful to enhance their technical and non-technical knowledge as well as communication skills. It help the students to make the concepts more interesting and set them apart from the regular syllabus.

Time Allotted for the Activity: 25 minutes

Details of the Implementation:

- Allowed the students to make the group on own.
- Individual problem statements were given to the students prior to the start of the event for preparation purposes.
- All the students actively shared their views on the allotted topics.
- Finally, faculty member consolidated the information that was discussed in this activity.

CO – PO / PSO mapping:

CO	PO1	PO2	PO9	PO10	PSO3
CO1	2	3	3	3	3

(1 – Low 2 – Moderate 3 – High)

PO / PSO mapped:

Innovative practice	PO1	PO2	PO9	PO10	PSO3
	2	3	3	3	3
Justification for correlation	Apply the knowledge of DBMS schemas	Identify the solution to the problems and making decision support	Each one sharing the ideas indivi working in t schema	Communicat ing effectively by exchange the students t presentation	Gaining the knowledge in Data analytics for providing the solution to Data Warehouse

Screenshot of the practice:

Figure 1 : Students are involved in group and working together to solve problems.

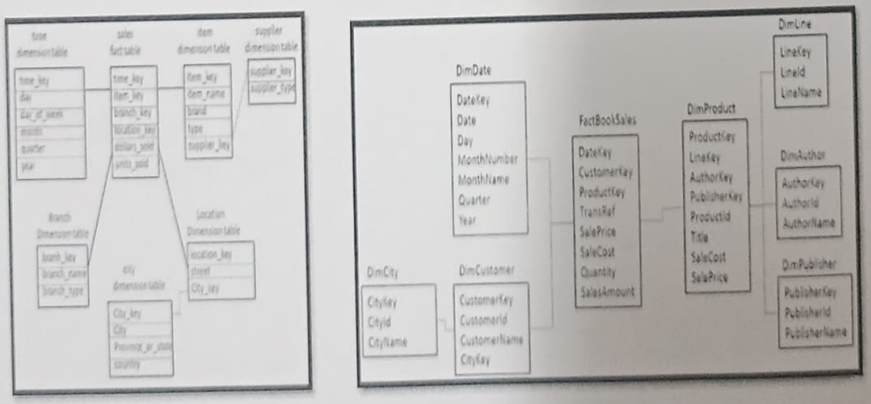

Figure 2 Sample of different schemas

Reflective Critique:

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

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.
- Leadership Quality of the student enhanced.
- Students enthusiastically contribute and this activity cheered the students to share their knowledge with others.
- With the actions taken at first, the activity is carried out smoothly with maximum commitment from students.
- Students were actively participated in this activity.
- From this activity, the students can get more clarity in the Data warehousing schemas by discussing and sharing their views with the other students in the class.

Challenges faced in implementation:

- Some students feel that the discussion is tough due to their lack of intertest.
- 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

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