RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

Department of Artificial Intelligence and Data Science

Academic Year: 2022- 2023 (Even Semester)

Active Learning Best practices: Map with Flip - Cooperative Learning Technique

Degree, Semester & Branch: II Sem. B.Tech. Artificial Intelligence and Data Science

Course Code & Title: - AD3251 & Data Structures Design

Name of the Faculty member: Ms.K.Amuthachenthiru/Assistant Professor-AI & DS

Theme of discussion: Introduction to OOP & Inheritance

Topics Covered: Unit- 1

Date and Time: 01.06.2023 & 11.50 A.M to 12.40 P.M

Course Outcome: CO1

- **Topic Learning Outcome: TLO1**
- **Activity Chosen: Map with Flip Cooperative Learning Technique**

Active Learning Best practices: Map with Flip - Cooperative Learning Technique

Topic:

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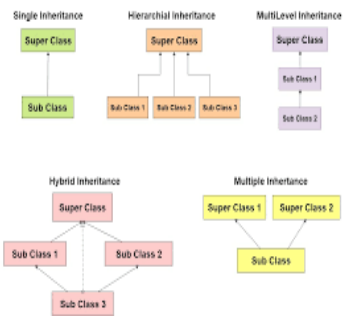

Learning Outcomes

- Critical Thinking: Students will enhance their critical thinking skills by analyzing and interpreting information presented on the map, identifying patterns, and making connections between different elements.
- Through the use of this "Map with Flip," students will engage in problem-solving activities that require them to find solutions, make decisions, and apply their knowledge to overcome challenges.

Procedure:

Step 1: Introduction (5 minutes):

- Start the session by introducing the concept of mapping and its importance.
- Explain the objectives of the activity and the skills students will develop through the process.

Step 2:Map Exploration (15 minutes):

- Instruct students to spend a few minutes examining the map individually, taking note of key features, symbols, and any patterns they observe.

Step 3:Map Flipping (15 minutes):

- Instruct students to flip their maps to the other side, revealing additional information, a different perspective, or an alternative representation.
- Encourage students to explore the flipped side and compare it to their initial observations, noting any differences, surprises, or new insights.

Step 4:Group Discussion (10 minutes):

- Divide students into small groups and facilitate a discussion about the Topic.
- Encourage students to share their observations, interpretations, and thoughts about the flipped side.
- Prompt discussion questions to foster critical thinking and deeper analysis of the map's content.

Step 5:Conclusion and Reflection (5 minutes):

- Bring the whole class back together and summarize the key findings or insights from the group discussions.
- Ask students to reflect on how the activity challenged their initial assumptions

or expanded their understanding.

Step 6:Wrap-Up and Closing (5 minutes):

- Conclude the activity by summarizing the importance of mapping and the benefits gained from the "Map with Flip" activity.
- Provide a brief opportunity for students to ask questions or share final thoughts.

At the end of the session, student from each group shared the knowledge what they learnt.

Glimpses:

ReflectiveReport

Challenges and strategies:

- One of the main challenges of implementing the "Map with Flip" activity is the limited time available within a class period. Completing the activity within the allotted time can be a challenge
- To overcome time limitations, identify the key concepts, features, or areas of the map that are most relevant to the learning objectives. Focus on these areas during the activity to ensure students gain a solid understanding of the core content.

Observations:

Using Map with Flip is one of the most common study methods, and it is the one many students are most familiar. Map with Flip help students to engage in active recall or a process wherein students actively engage in learning by stimulating our memories and creating lasting connections to the material. Map with Flip are a very useful revision activity for many reasons. They work across all subjects, they can be used with the recall of facts, topics, keywords and more. They are a very simple technique for learners to use – low effort but high impact.

Students Response:

- Bright students were actively participated to prepare the topic wise questions and concept notes.
- Slow learners expect to assist the topic towards searching online and also understanding the questions
- Most of the students were enjoyed the session.

Students response ensures the students could improve listening, communication, creativity and problem-solving skills.

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FEEDBACK

Active Learning Best practices: Flash Card - Cooperative Learning Technique

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Feedback collected in class and also through online

Gform Link : https://forms.gle/Q2eVg3fWgGPoTCJCA

Feedback Questions:

1. Did the active learning method used in the session engage your interest in the topic? **Yes** **No**

2. How did the active learning method enhance your understanding of the topic?

Excellent **Good** **Satisfactory**

3. Did the active learning method encourage active participation and communication?

Yes **No**

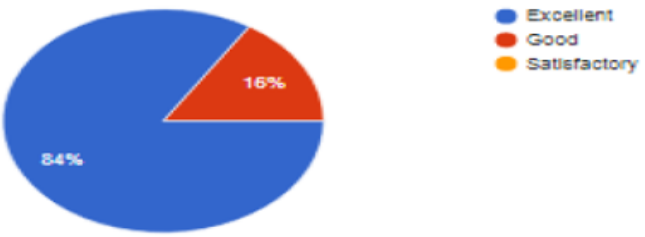
4. Did the active learning method prompt you to think more deeply or critically about the topic?

Yes **No**

Feedback Analysis:

1.Did the active learning method used in the session engage your interest in the topic?

2.How did the active learning method enhance your understanding of the topic?



3. Did the active learning method encourage active participation and communication?

4.Did the active learning method prompt you to think more deeply or critically about the topic?

HOD/AD