RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

Department of Artificial Intelligence and Data Science

Academic Year: 2023- 2024 (Odd Semester)

Active Learning Best practices: Peer Discussion - Cooperative Learning Technique

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

Course Code & Title: - AL3391 & Artificial Intelligence

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

Theme of discussion: Informed and Uninformed Search stratedies

Topics Covered: Unit- 1 & II

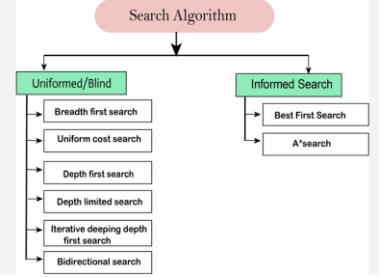
Date and Time: 19.10.2023 &

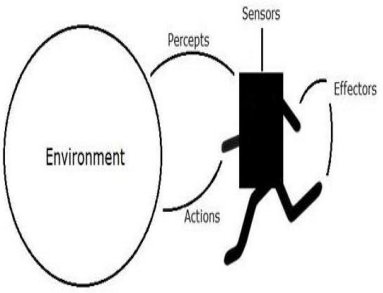
Course Outcome: CO1

- **Topic Learning Outcome: TLO1**
- **Activity Chosen: Peer Discussion Cooperative Learning Technique**

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

Topic:





Learning Outcomes

- Enhanced Critical Thinking Skills: After engaging in peer discussions, participants should be able to demonstrate improved critical thinking skills by effectively analyzing and evaluating different viewpoints or arguments. They should be able to identify logical fallacies, construct well-reasoned counterarguments, and engage in thoughtful discourse that goes beyond surface-level understanding.
- Improved Communication and Active Listening: Participants should develop better communication skills, including the ability to articulate their ideas clearly and concisely. They should also improve their active listening skills, demonstrating an increased capacity to comprehend, synthesize, and respond to the ideas and perspectives of their peers, leading to more constructive and empathetic discussions.

Procedure:

Step 1: Define the Topic and Purpose (5 minutes)

Begin by introducing the topic or subject matter of the discussion.
Clearly state the purpose of the discussion and the learning objectives you aim to achieve during the 50 minutes.

Step 2: Icebreaker and Introduction (5 minutes)

Start with an icebreaker or a brief introduction of participants to create a comfortable atmosphere.
Briefly introduce the participants and their backgrounds or areas of interest.

Step 3: Presentation of Ideas (15 minutes)

Allocate time for each participant to present their ideas, viewpoints, or arguments related to the topic.
Encourage participants to be concise and focused during their presentations.

Step 4: Open Discussion (20 minutes)

After the initial presentations, open the floor for a free-flowing discussion.
Participants can share their thoughts, ask questions, and engage in a dialogue.
Encourage active listening, respectful communication, and the exchange of diverse perspectives.

Step 5: Moderator's Guidance (5 minutes)

If necessary, the moderator can provide guidance or ask probing questions to keep the discussion on track.
Ensure that the conversation remains respectful and that all participants have the opportunity to contribute.

Step 6: Summarize and Reflect (5 minutes)

Towards the end of the discussion, ask participants to summarize key points or takeaways.
Encourage reflection on what they've learned or how their perspectives may have evolved during the discussion.

Step 7: Q&A and Feedback (5 minutes)

Allow for a brief question-and-answer session where participants can seek clarification on specific points.
Solicit feedback from participants on the format, content, and overall effectiveness of the discussion.

Step 8: Closing and Next Steps (5 minutes)

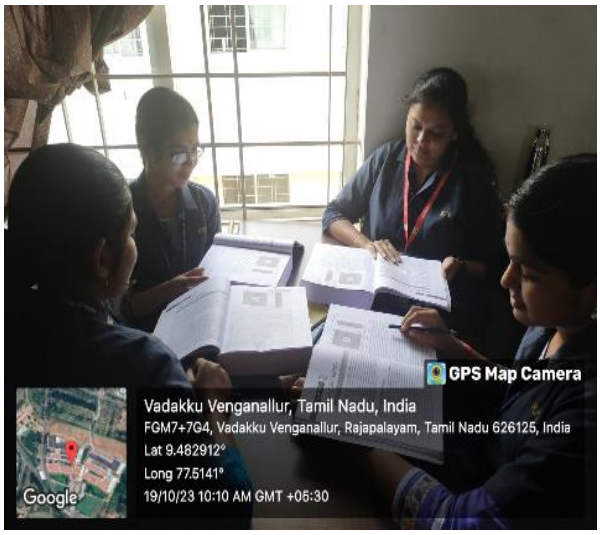
Conclude the discussion by summarizing key insights and thanking participants for their contributions.
Mention any follow-up actions, assignments, or additional resources for continued learning.

Step 9: Evaluation and Follow-Up (5 minutes, after the discussion)

Gather feedback from participants regarding their experience in the discussion.
Consider using this feedback to improve future peer discussions.

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 "Peer Discussion" activity is the limited time availablewithin 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:

1. Participant Engagement and Interaction:
    - Observe how actively participants engage in the discussion. Are they contributing their ideas, thoughts, and opinions?
    - Take note of how participants interact with one another. Do they build on each other's ideas, ask questions, or provide feedback?
    - Identify any participants who may dominate the conversation or, conversely, remain silent throughout the discussion.
2. Content and Depth of Discussion:
    - Evaluate the quality and depth of the discussion content. Are participants addressing the core topic or question effectively?
    - Note whether participants are using evidence, examples, or relevant information to support their arguments or viewpoints.
    - Assess whether the conversation stays on track or deviates into unrelated or tangential subjects.
3. Respectful Communication and Collaboration:
    - Observe the tone and respect in the conversation. Are participants engaging in courteous and respectful communication?
    - Pay attention to how participants handle differing viewpoints. Do they provide

constructive feedback, acknowledge diverse perspectives, and avoid conflicts?

- Notice if there are effective collaboration strategies in place, such as actively listening to others, building on each other's ideas, and working toward common goals.

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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RAJAPALAYAM

Department of Artificial Intelligence and Data Science

Academic Year: 2022- 2023 (Even Semester)

FEEDBACK

Active Learning Best practices: Flash Card - Cooperative Learning Technique

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Course Code & Title: - AL3391 & Artificial Intelligence

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Feedback collected in class and also through online

Gform Link : https://forms.gle/9j7eyEY8pKM1jNtZ6

Feedback Questions:

1.On a scale of 1 to 10, how would you rate the effectiveness of this active learning activity?

Satisfied Much Satisfied

2 Did you find the group discussions valuable?

Yes No

3. Can you share an example of a question or problem that challenged your critical thinking skills

during this activity? **Yes** **No**

4. Did you feel motivated to participate actively? **Yes** **No**

5. Do you have any suggestions for improving this active learning format or similar activities in the future?

Feedback Analysis:

On a scale of 1 to 10, how would you rate the effectiveness of this active learning activity?

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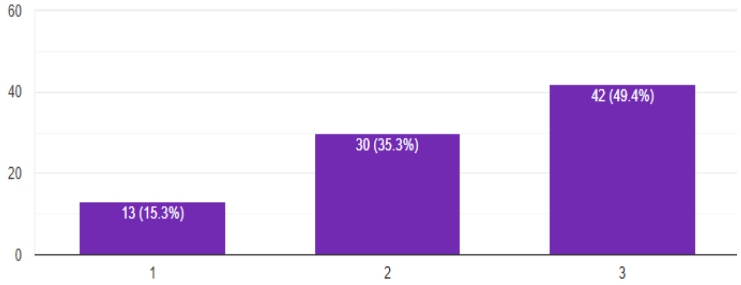
85 responses



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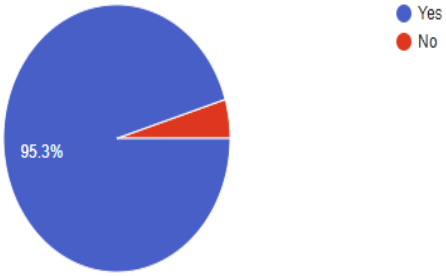
85 responses



Did you feel motivated to participate actively?

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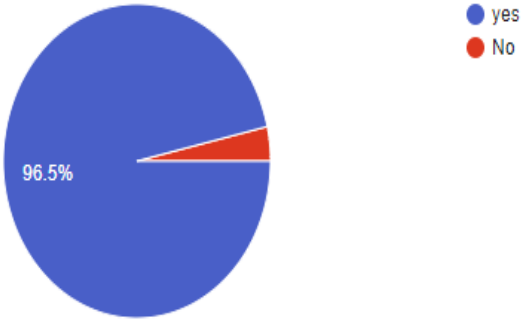

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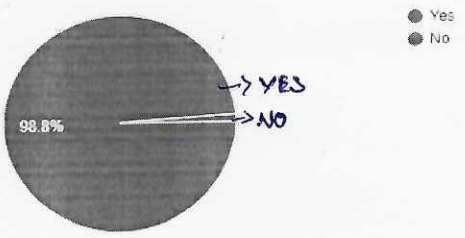
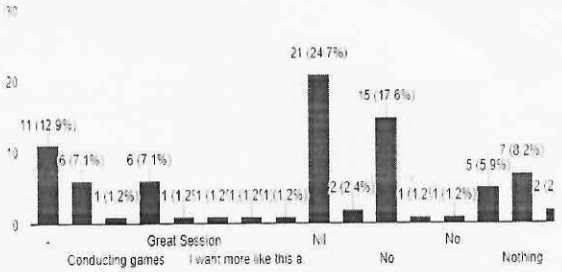


Do you have any suggestions for improving this active learning format or similar activities in the future?

65 responses



K. Anuj 30/10/23

FACULTY COORDINATOR

30/10/23

HOD/AD