



RAMCO INSTITUTE OF TECHNOLOGY

RAJAPALAYAM

Department of Artificial Intelligence and Data Science

Academic Year: 2023- 2024 (Even Semester)

Active Learning Best practices: Info Merge

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,AP/AD

Theme of discussion: Recursion

Topics Covered: Unit- 1

Date and Time: 23.03.2024 & 01.10 P.M to 01.55 P.M

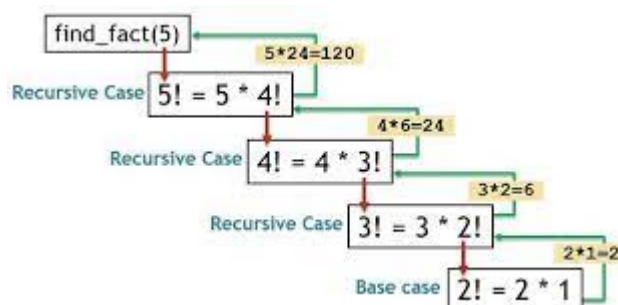
Course Outcome: CO1

- Topic Learning Outcome: TLO1
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- Activity Chosen: Info Merge

YouTube Link: <https://youtu.be/TAOziHOk7iA?feature=shared>

- Active Learning Best practices: Info Merge
Topic:



Learning Outcomes

1. **Research Skills:** Students will develop effective research strategies by utilizing online resources such as Google or YouTube video to gather additional information related to the content presented in the video.
2. **Critical Thinking:** Through summarizing information gathered from multiple sources, students will enhance their critical thinking skills by evaluating the relevance and reliability of various sources.
3. **Communication Skills:** Students will improve their ability to articulate key concepts and findings by presenting their summarized information to their peers in a clear and concise manner.
4. **Collaboration:** Collaborative learning will be fostered as students work together to discuss, analyze, and synthesize information obtained from both the video and additional research.
5. **Content Mastery:** By engaging with the content through multiple modalities (video, research, summarization), students will deepen their understanding and retention of the material.
6. **Digital Literacy:** Students will enhance their digital literacy skills by effectively navigating online platforms and discerning credible sources of information.
7. **Self-Directed Learning:** Encouraging students to independently explore and synthesize information will promote self-directed learning habits, empowering students to take ownership of their educational journey.
8. **Feedback Incorporation:** Through peer presentations and discussions, students will have the opportunity to receive feedback on their summaries, facilitating iterative improvement and learning from peers' perspectives.

Procedure:

1. **Introduction to the Concept:**
 - Begin by introducing the topic or concept that will be explored through the "Info Merge" activity. Provide context and explain the importance of understanding this topic.
2. **Watch the Video:**
 - Show the students a relevant video that covers the key aspects of the topic. Ensure that the video is engaging and informative, capturing the students' interest.
3. **Discussion and Clarification:**
 - Facilitate a brief discussion after watching the video to clarify any questions or concepts that may not have been fully understood. Encourage students to ask questions and share their initial thoughts on the content.
4. **Research Assignment:**
 - Assign students to conduct additional research on the topic using online resources such as Google. Provide guidelines on what specific aspects they should focus on during their research.
5. **Information Synthesis:**
 - Instruct students to summarize the information they gather from their research in relation to

the content presented in the video. Emphasize the importance of synthesizing information from multiple sources and evaluating the credibility of the information found.

6. Preparation for Presentation:

- Allocate time for students to prepare their summaries for presentation. Encourage them to organize their thoughts coherently and prepare visual aids if necessary to support their presentations.

7. Peer Presentations:

- Have students present their summaries to their peers in a structured format. Each student should have the opportunity to share their findings and insights from their research.

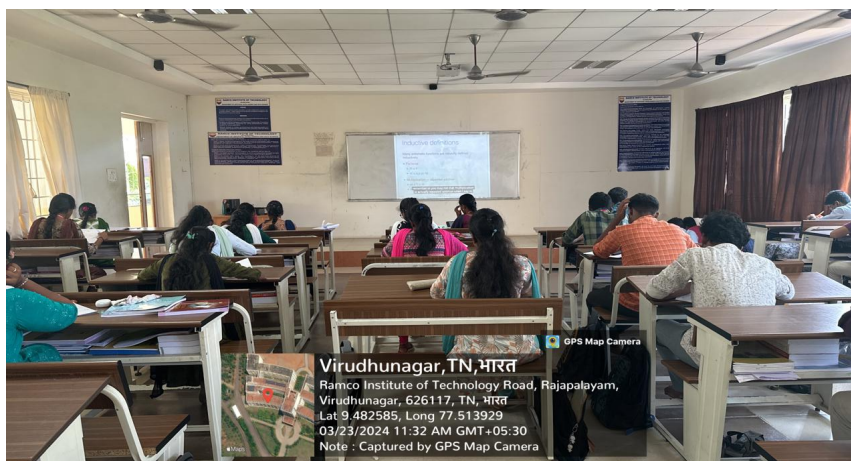
8. Peer Feedback and Discussion:

- After each presentation, facilitate a brief feedback session where peers can provide constructive feedback on the clarity, organization, and depth of the summary. Encourage students to ask questions and engage in discussions to deepen their understanding of the topic.

9. Reflection and Conclusion:

- Conclude the activity by allowing students to reflect on their learning experience. Encourage them to identify key takeaways and insights gained from the "Info Merge" process. Emphasize the value of integrating multiple sources of information to enhance understanding.

Glimpses:



Reflective Report

Engagement and Interest: Overall, the activity succeeded in capturing students' interest and fostering engagement. The use of a video presentation provided a dynamic introduction to the topic, while the subsequent research component allowed students to explore the subject matter in greater depth. However, in future iterations of the activity, it may be beneficial to vary the types of multimedia resources used to maintain interest and cater to different learning preferences.

Research Skills Development: The "Info Merge" activity effectively promoted the development of research skills among students. By tasking them with sourcing additional information from online platforms such as Google, students were able to practice information retrieval, evaluation, and synthesis. This aspect of the activity encouraged independent learning and critical thinking, both of which are valuable skills for academic and professional success.

Students Response:

Engagement and Interest:

Students show increased engagement and interest when theoretical concepts are accompanied by hands-on practice. Practical applications make the subject matter more tangible and relatable, fostering a deeper connection to the material.

Improved Understanding:

Hands-on practice helps students translate abstract theories into real-world scenarios, leading to a more profound understanding of the subject. The application of theoretical knowledge in practical settings enhances comprehension and retention.

Skill Development:

Integrating hands-on practice allows students to develop practical skills that are essential in professional settings. This approach not only reinforces theoretical foundations but also equips students with the capabilities needed for real-world challenges.



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Academic Year: 2022- 2023 (Even Semester)

FEEDBACK

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Feedback collected in class and also through online

Gform Link : <https://forms.gle/u8fKGVU2rVZBhvKw8>

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**

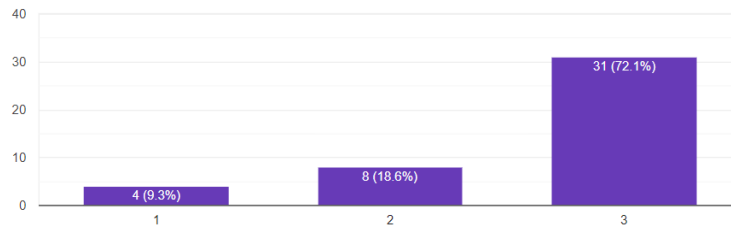
5. Do you have any suggestions for improving this active learning format or similar activities in the future?

Feedback Analysis:

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

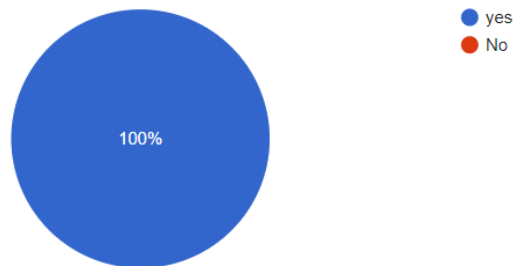
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43 responses



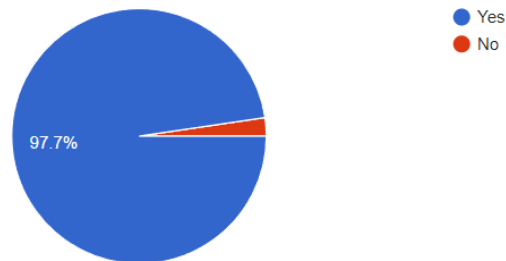
Did you feel motivated to participate actively?

43 responses



Did you find the group discussions valuable?

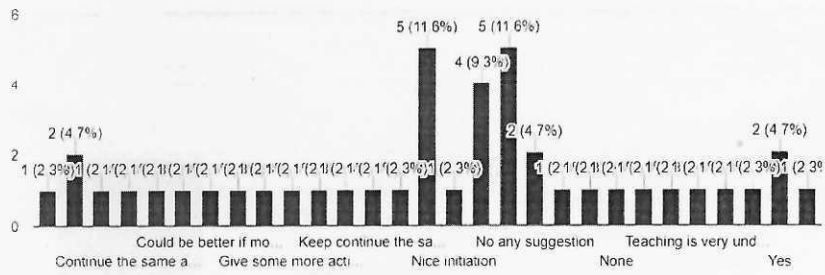
43 responses



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

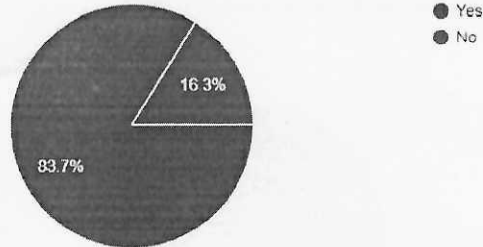
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43 responses



Can you share an example of a question or problem that challenged your critical thinking skills during this activity?

43 responses



K. Anil
26/3/24

FACULTY IN-CHARGE

Wah
26/3/24

HOD/AD