Department of Artificial Intelligence and Data Science

Academic Year: 2024- 2025 (Odd Semester)

Degree, Semester & Branch : B.Tech, III & AI & DS

Course Code & Title : AL3391& Artificial Intelligence

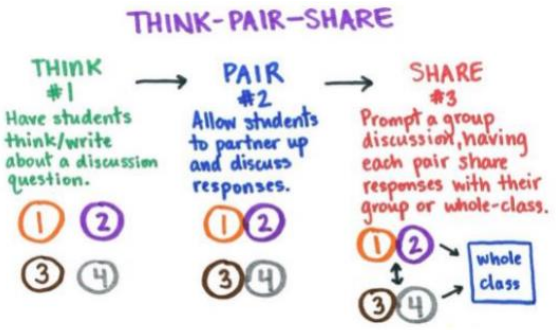
Name of the Faculty member : Mrs. C.Usharani, AP/AD

Active learning practices: Think Pair Share

- **Unit/Topic:** III/Alpha Beta Search
- **Course outcome:**CO3
- **Topic Learning outcome:** TLO6
- **Justification:**

As part of the think-pair-share method of collaborative learning, students are asked to thinking on their own and sharing what they've learned with their peers.
This method consists of four steps

- **Step 1(5 minutes)**
  The group of students listens to the question posed by the instructor.
- **Step 2(10 minutes)**
  After having some time to reflect, each student writes their answers.
- **Step 3(15 minutes)**
  Pairs of students read and discuss their answers.
- **Step 4(15 minutes)**
  The teacher invites several students to share their thoughts and ideas with the whole class.



- **Time Allotted for the Activity:** 45 Minutes

- **Details of the Implementation:**

Think-Pair-Share, a Collaborative active learning practice, conducted for II AI & DS-B section students, in which students work on a question posed by instructor.

T (Think): Students think about the given topic of Alpha Beta Search individually and then write the responses.

P (Pair): Each student is paired with their peers or groups to discuss the working process of Alpha Beta Search

S (Share): Students discussed with their peers and expand the share to the whole class discussion. Mr. MaheshBoopathi and Ms. Muneeswari of II AI & DS-B section shared their views to the whole class.

- **CO-PO/PSO Mapping:**

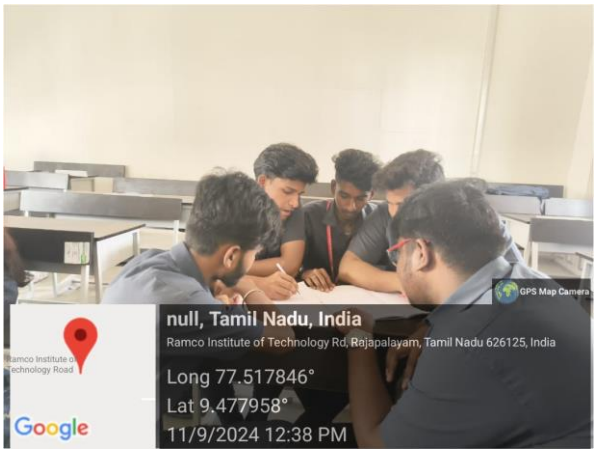
CO	PO1	PO2	PO5	PO9	PO10	PSO1
CO3	3	3	2	2	2	3

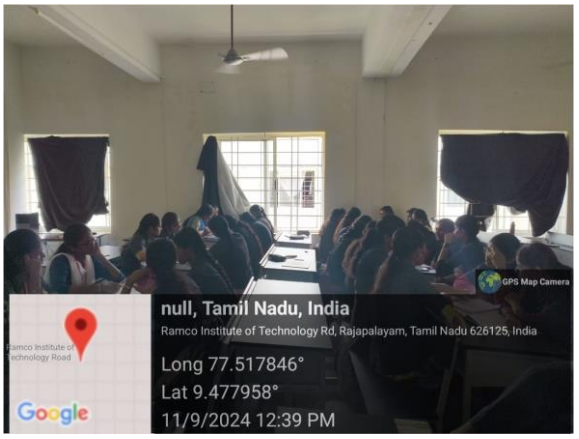
(1-Low 2-Moderate 3-High)

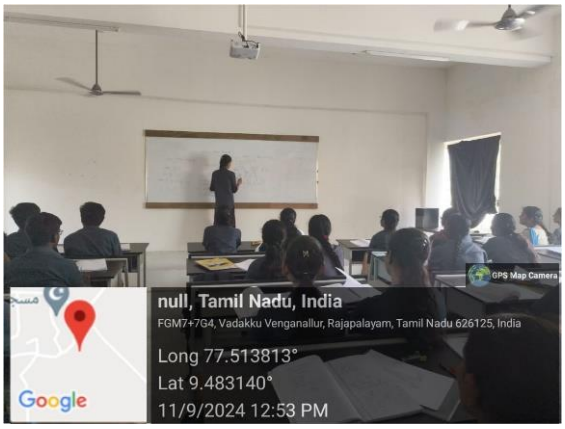
- **PO/PSO mapped:**

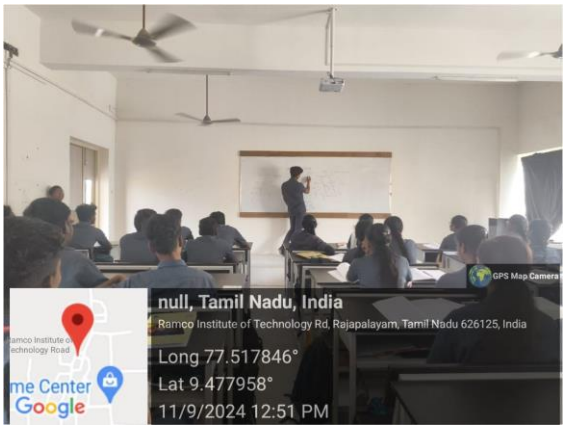
Innovative Practice	**PO1**	**PO2**	**PO5**	**PO9**	**PO10**	**PSO1**
Justification for Correlation	Apply the concepts to solve the problems on Alpha Beta Search to obtain optimal decisions	Identify processes/ parameters to solve an Alpha Beta Pruning problems	Demonstrate proficiency to find the solutions for Alpha Beta problems	Understanding the impact of team work while providing solutions for Alpha Beta problems	Communicate effectively by providing questions to share their conversations	Students can able to apply the min max algorithm basics to solve the Alpha Beta Search problems

Glimpses of the Practice:









- **Reflective Critique:**

  - ✓ **Feedback of practice from students and other stakeholders:**
    Students felt they had adequate time to think critically.
    Students felt this activity provides a chance to collaborate in groups.
  - ✓ **Benefit of the practice** (E.g.: Outcome attainment would have increased due to innovative practice over conventional practice)
    The students can get more clarity in the particular topic by discussing and sharing their views with the other students in the class.
  - ✓ **Challenges faced in implementation:**
    Only one person selected from each group to share their answers in front of the class

- **References:**

https://www.readingrockets.org/strategies/think-pair-share
https://www.kent.edu/ctl/think-pair-share
https://www.readingrockets.org/classroom/classroom-strategies/think-pair-share

FEEDBACK QUESTIONS

Date and Time: 11.09.2024 & 12.20 pm to 1.05 pm.

Feedback collected in class and also through online:

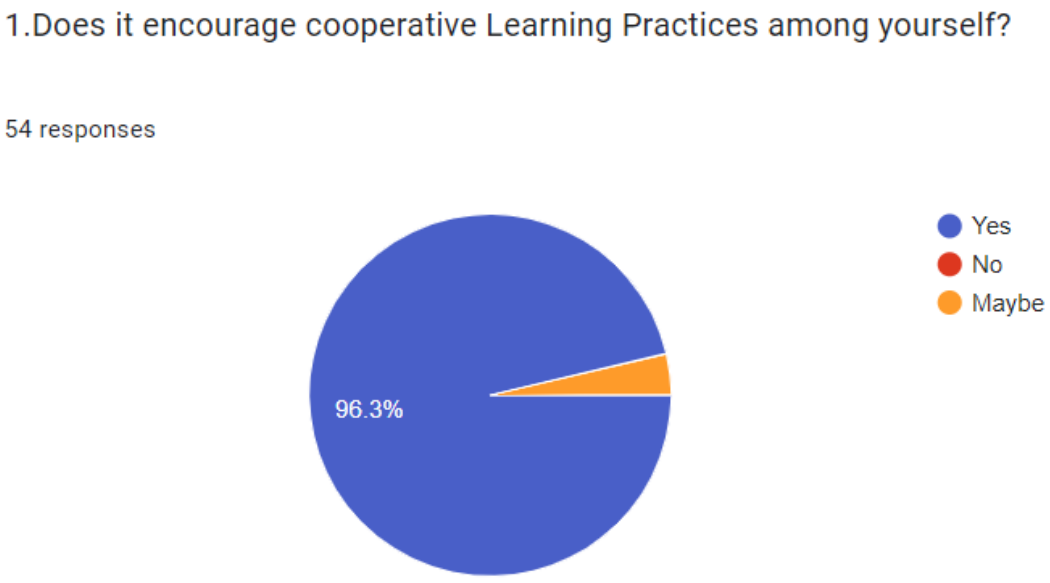
Google form Link: https://forms.gle/AK6QSXDoYtjkJ3cB6

1. Does it encourage cooperative Learning Practices among yourself?
   Yes / No/Maybe

2. Does this activity learning improve listening, communication and problem solving skills?
   Yes / No/Maybe

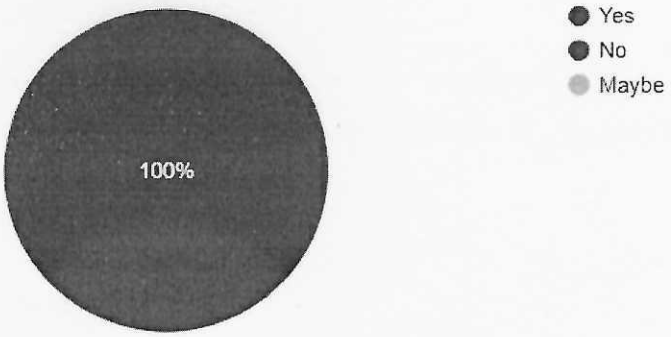
3. Do you have a clear understanding about the concept of Alpha Beta Search?
   Yes / No/Maybe

Feedback Analysis



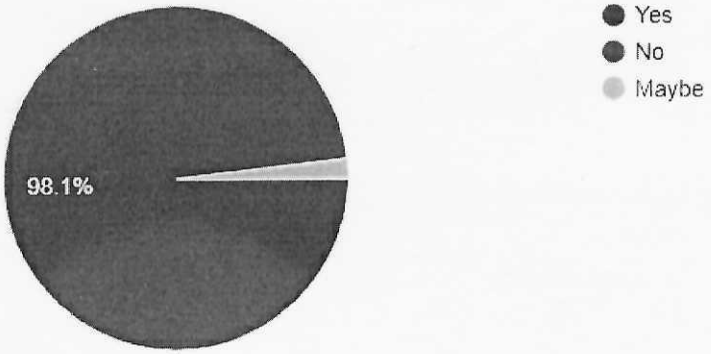
2.Does this activity learning improve listening, communication and problem solvi skills?

54 responses



3.Do you have a clear understanding about the concept of Alpha Beta Search

54 responses



C. Usha 21/9/24
Faulty Incharge

21/9
HOD