

Department of Artificial Intelligence and Data Science

Academic Year: 2024- 2025 (Odd Semester)

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

Course Code & Title : CS3551 & Distributed Computing

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

Active learning practices: Think Pair Share

➤ **Unit/Topic:** III/Token Based Algorithm

➤ **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)**

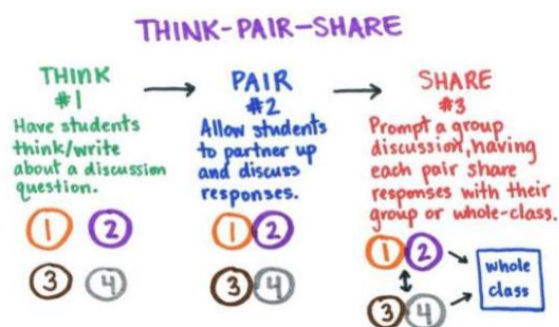
After having some time to reflect, each student writes their answers.

❖ **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 III AI & DS-B section students, in which students work on a question posed by instructor.

T (Think): Students think about the given topic of Token based Algorithm individually and then write the responses.

P (Pair): Each student is paired with their peers or groups to discuss the working process of Token based algorithm.

S (Share): Students discussed with their peers and expand the share to the whole class discussion. Mr. Dharani Kumar and Ms. Brindha Sri of III AI & DS-B section shared their views to the whole class.

➤ **CO-PO/PSO Mapping:**

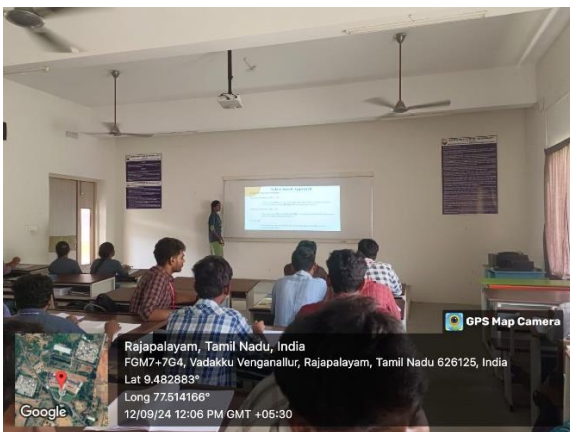
CO	PO1	PO2	PO5	PSO1
CO3	3	3	2	3

(1-Low 2-Moderate 3-High)

➤ **PO/PSO mapped:**

Innovative Practice	PO1	PO2	PO5	PSO1
Justification for Correlation	Apply the concepts Distributed mutual exclusion algorithm to solve the deadlock occur in distributed system	Identify processes involved in Suzuki Kasami algorithm	Demonstrate proficiency to find the solutions for Suzuki Kasami algorithm	Students should be able to analyze, evaluate, and optimize the performance and scalability of Token based algorithm.

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: 12.09.2024 & 11.35 am to 12.20 pm.

Feedback collected in class and also through online:

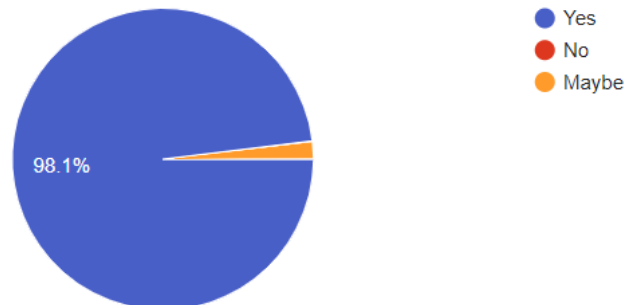
Google form Link: <https://forms.gle/f7WTcLJ6WMLbkWjW8>

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 Token based algorithm?
Yes / No/Maybe

Feedback Analysis

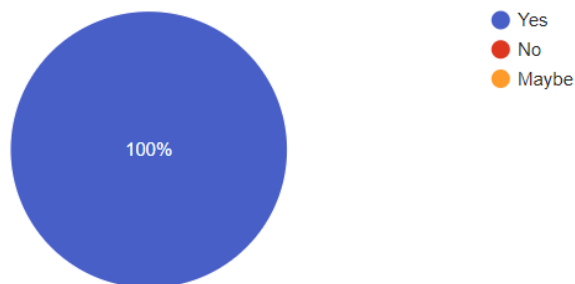
1.Does it encourage cooperative Learning Practices among yourself?

52 responses



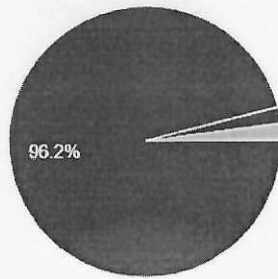
2.Does this activity learning improve listening, communication and problem solving skills?

52 responses



3. Do you have a clear understanding about the concept of Token based algorithm?

52 responses



- Yes
- No
- Maybe

C. V. S. K.
21/9/21
Faulty Incharge

M. S. K.
21/9/21

HOD