RAMCO INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Academic Year 2023 – 2024 (Odd Semester)

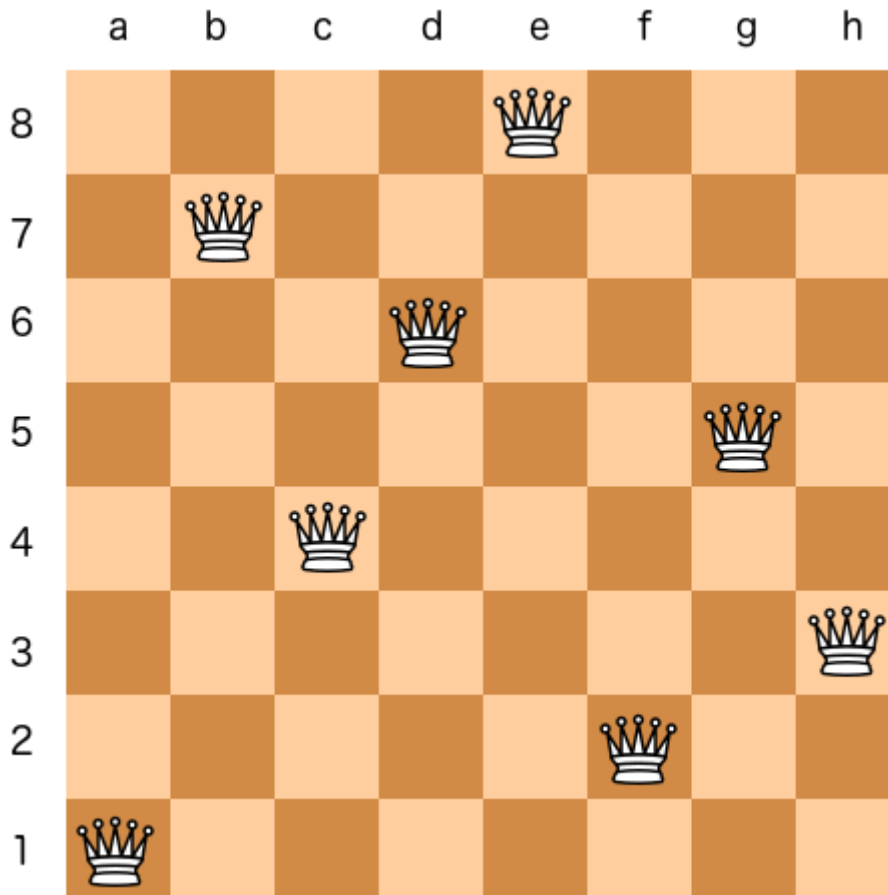**Degree, Semester & Branch:** B.Tech, III & Artificial Intelligence and Data Science

Course Code & Title: AD3351-Design and Analysis of Algorithms

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

INNOVATIVE PRACTICE

❖ **Unit / Topic: Unit - 5 / N – Queen Problems**

❖ **Course Outcome:** CO5

❖ **Topic Learning Outcome:** TLO39

❖ **Activity Chosen:** Think Pair Share

N – QUEEN PROBLEMS:

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Justification:

As part of the think-pair-share method of collaborative learning, students are involved to think individually and sharing their understanding of a topic with their classmates.

- **Step 1 (5 Minutes)**

Team of students pay attention to the instructor's question.

- **Step 2: (10 minutes)**

Students think about the given topic and then write their responses.

- **Step 3: (20 minutes)**

Students discuss their response with their peers

- **Step 4: (15 minutes)**

Students share their thoughts and ideas with the whole class

- **Time Allotted for the Activity:** 50 minutes

- **Details of the Implementation:**

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

    T (Think): Students think about the given topic Master-Slave Replicationindividually and then write the responses.

    P (Pair): Each student is paired with their peers or groups to discuss theconcepts of Master-Slave Replication.
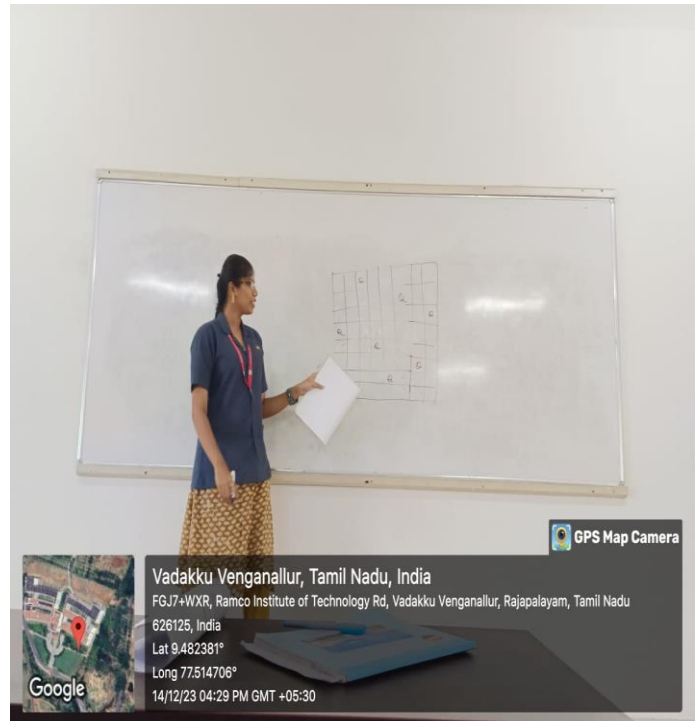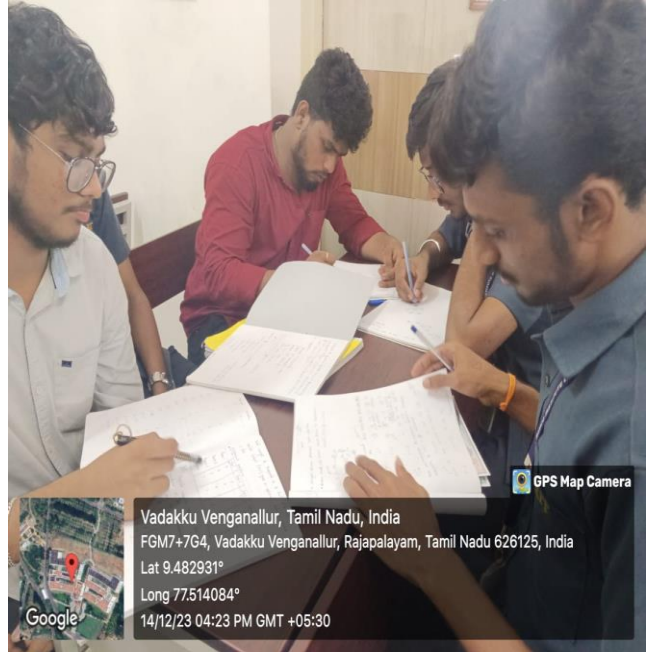
  S (Share): Students discussed with their peers and expand the share to the whole class discussion. Jayaraj V and Divyalakshmi K of II AI & DS shared their views to the whole class.

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- **Images / Screenshot 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 toinnovative practice over conventional practice)
    - Students share the concept ideas with their peers that helps to buildcommunication skills.
    - Students can be able to get more clarity in the particular topic throughdiscussion and sharing their views with the other students in the class.

  ❖ **Challenges faced in implementation:**
    - Students may not have enough time to independently reflect before deliveringtheir ideas, depending on the time limits.

References:

  ❖ **https://www.kent.edu/ctl/think-pair-share**

  ❖ **https://www.readingrockets.org/classroom/classroom-strategies/think-pair-share**

  ❖ **https://www.ascd.org/blogs/getting-the-think-pair-share-technique-right**

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Academic Year: 2023- 2024 (Odd Semester)

FEEDBACK

Active Learning Best practices: Think pair Share - Cooperative Learning Technique

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

Course Code & Title: - AD3351-Design and Analysis of Algorithms

Name of the Faculty member: Mrs.C.Karpagavalli , AP/AI & DS

Topic of discussion: N-Queen Problems

Topics Covered: Unit- V

Date and Time: 14.12.2023 & 4.10 P.M to 5.00 P.M

Google form Link : https://forms.gle/FZEhpz16KrBeRM5QA

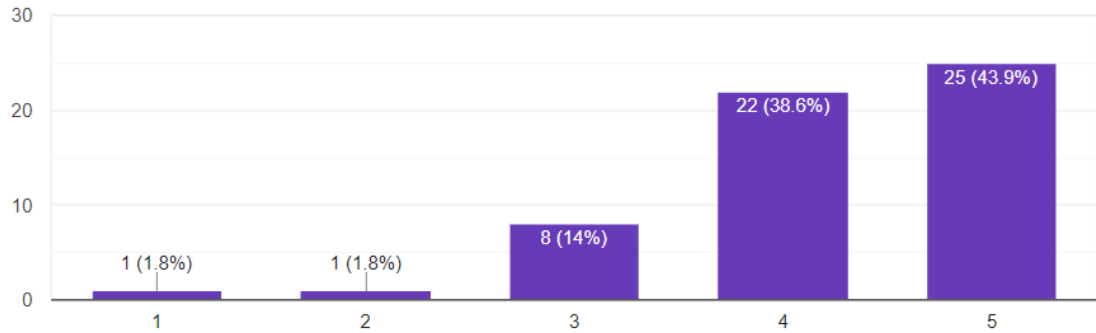**Feedback Questions:**

1. Did the plan align with your expectations?

   Yes   No

2. How effectively was the innovative practice plan implemented?

   Excellent   Good   Satisfactory

3. How well did you understand the objectives and purpose of the innovative practice plan?

   1   2   3   4   5

4. Were the necessary resources and support provided for successful implementation?

   Yes   No

5. Did you notice any specific benefits or changes resulting from the plan?

   Yes   No

6. How engaged were you throughout the practice plan?

   1   2   3   4   5

7. Did the plan provide opportunities for active participation and collaboration?

   Yes   No

<u>Feedback Analysis:</u>

How well did you understand the objectives and purpose of the innovative practice plan?
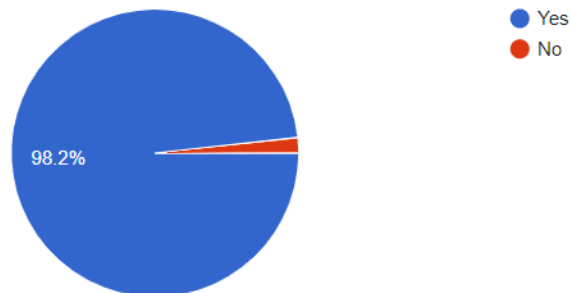
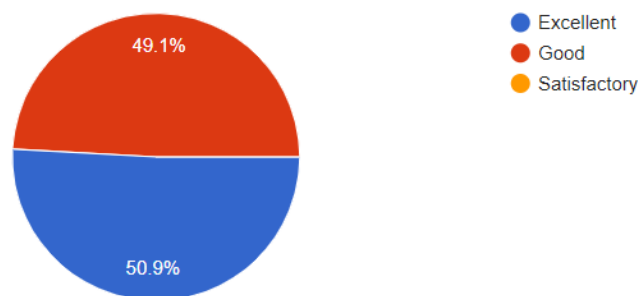57 responses

Did the plan align with your expectations?

57 responses

- Yes
- No

98.2%

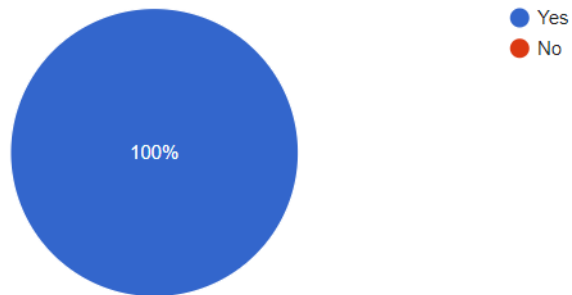How effectively was the innovative practice plan implemented?

57 responses

- Excellent
- Good
- Satisfactory

49.1%

50.9%

Form No. AC 10c   Rev.No.01

Were the necessary resources and support provided for successful implementation?

57 responses
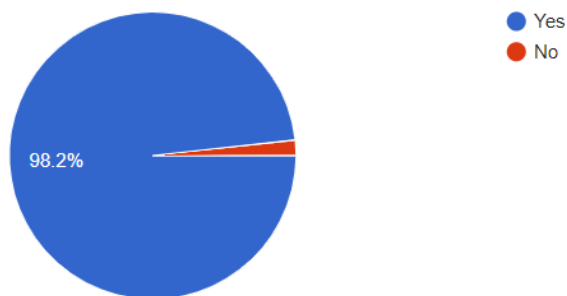

- Yes
- No

100%

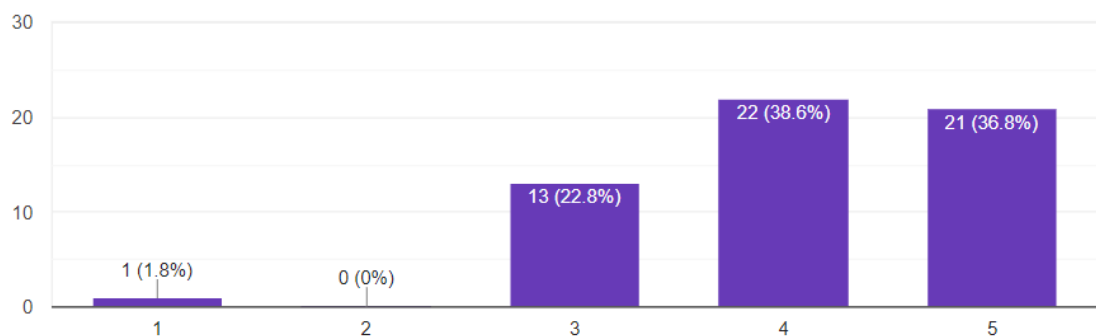## Did you notice any specific benefits or changes resulting from the plan?

57 responses

- Yes
- No

98.2%

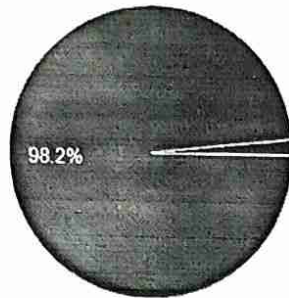## How engaged were you throughout the practice plan?

57 responses

Value	Count
1	1 (1.8%)
2	0 (0%)
3	13 (22.8%)
4	22 (38.6%)
5	21 (36.8%)

Did the plan provide opportunities for active participation and collaboration?

57 responses

98.2%

● Yes
● No

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Faculty In-charge

mal 16।12।23
HoD/AD

Form No. AC 10c   Rev.No.01   Effective Date: 02.08.2021