



**RAMCO INSTITUTE OF TECHNOLOGY**

Approved by AICTE, New Delhi & Affiliated to Anna University

NAAC Accredited with 'A+' Grade & An ISO 9001: 2015 Certified Institution

NBA Accredited UG Programs: CSE, EEE, ECE and MECH

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**

**Academic Year: 2025- 2026 (Odd Semester)**

**Active Learning Best practices: Think-Pair-Share (TPS)**

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

**Semester/Year/Section: V/III/B**

**Course Code & Title: - CCS335 – Cloud Computing**

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

-----  
**Unit / Topic: Unit - II / Virtualization of I/O Devices**

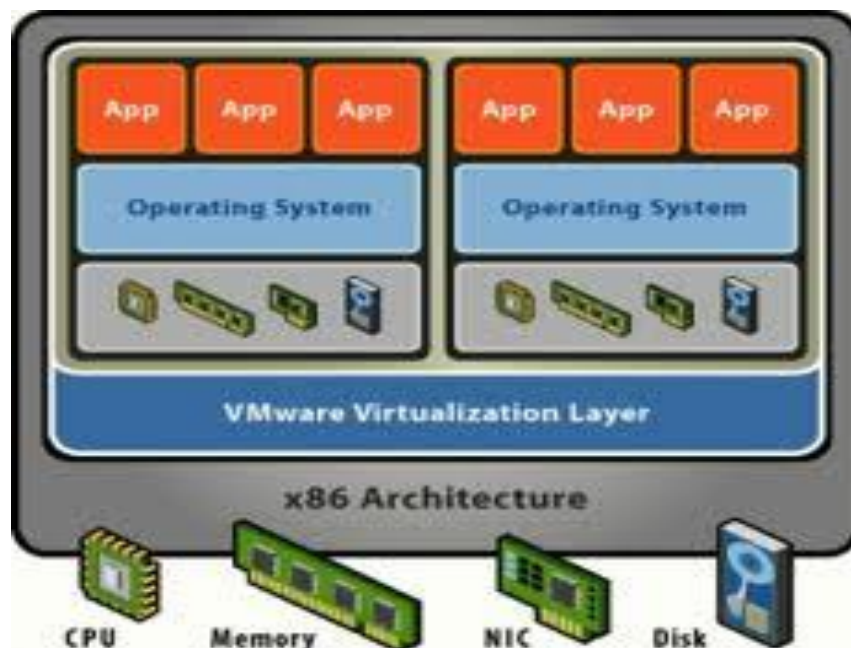
**Course Outcome: CO2**

**Topic Learning Outcome: TLO15**

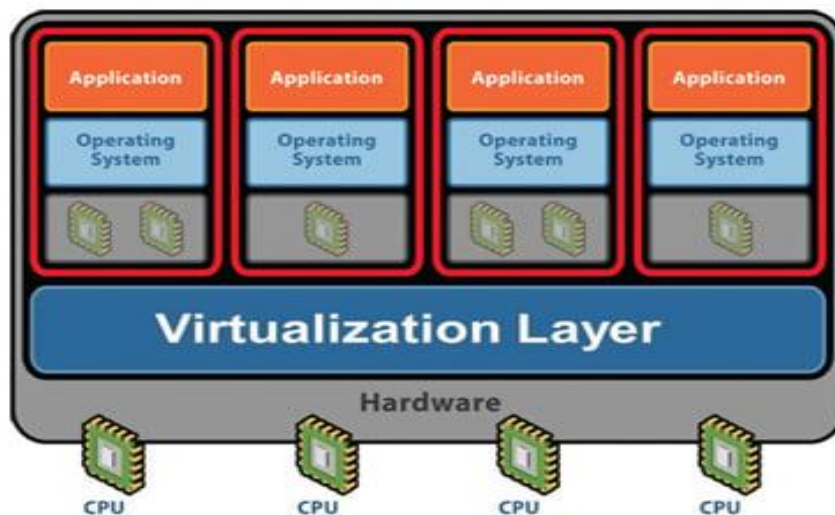
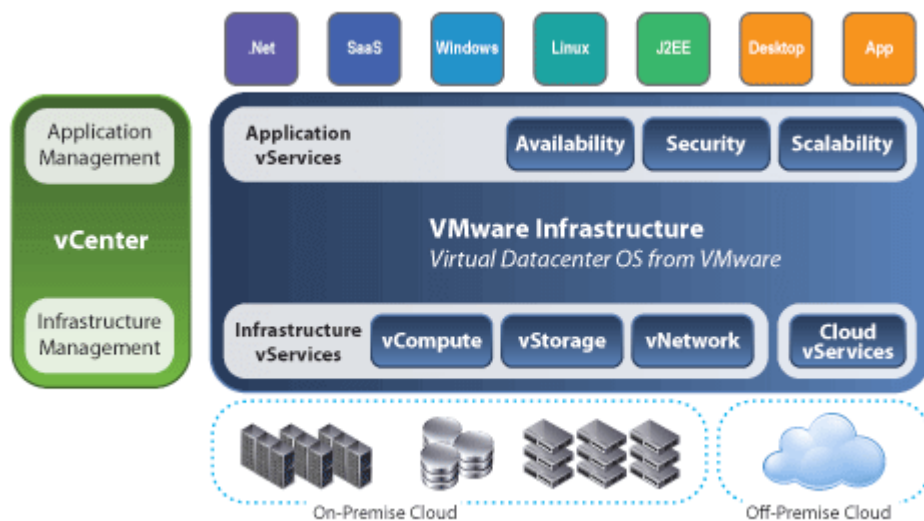
**Activity Chosen: Think-Pair-Share (TPS)**

**Date and Time: 10.09.2025 & 02.40 P.M to 03.25 P.M**  
-----

**VIRTUALIZATION OF I/O DEVICES:**



## TOP VIRTUALIZATION TOOLS:



### ❖ 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: (15 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: 45 minutes.**

#### ❖ **Details of the Implementation:**

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

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

**P (Pair):** Each student is paired with their peers or groups to discuss the concepts of Master-Slave Replication.

**S (Share):** Students discussed with their peers and expand the share to the whole class discussion. Ms. VIJAYA HARSHINI D and Ms. SUGANYA R of III AI & DS – A section shared their views to the whole class.

#### **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).

- Students share the concept ideas with their peers that helps to build communication skills.
- Students can be able to get more clarity in the particular topic through discussion 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 delivering their ideas, depending on the time limits.

##### ❖ **Observations:**

The implementation of the Think-Pair-Share activity was successful in enhancing student engagement, promoting deeper understanding, and creating a more interactive learning environment. By using this approach, students were encouraged to take ownership of their learning process and actively participate in class activities. However, continuous refinement based on student feedback and ongoing assessment of the approach will be essential to optimize its effectiveness in future implementations.

##### ❖ **Students Response:**

- Students were actively participated to prepare the topic wise questions and concept notes.
- Most of the students were enjoyed the session.
- Students response ensures the students could improve listening, communication, creativity and problem-solving skills.

## ❖ References:

- <https://www.wgu.edu/heyteach/article/how-think-pair-share-activity-can-improve-your-classroom-discussions1704.html>
- <https://www.structural-learning.com/post/think-pair-share-a-teachers-guide>
- <https://www.uopeople.edu/blog/think-pair-share/>

## Glimpses:





**RAMCO INSTITUTE OF TECHNOLOGY**

Approved by AICTE, New Delhi & Affiliated to Anna University

NAAC Accredited with 'A+' Grade & An ISO 9001: 2015 Certified Institution

NBA Accredited UG Programs: CSE, EEE, ECE and MECH

**Department of Artificial Intelligence and Data Science**

**Academic Year: 2025- 2026 (Odd Semester)**

**FEEDBACK**

**Active Learning Best practices: Think-Pair-Share**

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

**Semester/Year/Section: V/III/A**

**Course Code & Title: - CCS335 – Cloud Computing**

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

-----  
**Unit / Topic: Unit - II / Virtualization of I/O Devices**

**Course Outcome: CO2**

**Topic Learning Outcome: TLO15**

**Activity Chosen: Think-Pair-Share (TPS)**

**Date and Time: 10.09.2025 & 02.40 P.M to 03.25 P.M**

**Google form Link: <https://forms.gle/sMSxumpe1kZbkaTM6>**

-----  
**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

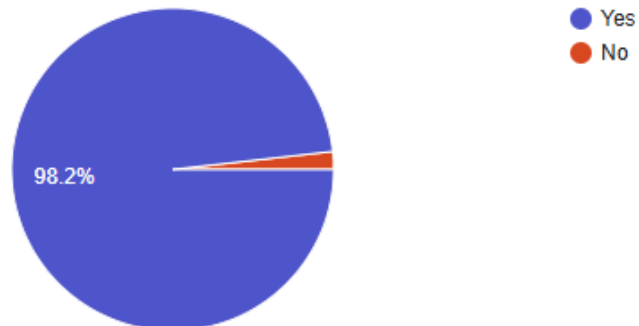


## **Feedback Analysis:**

Did the plan align with your expectations?

56 responses

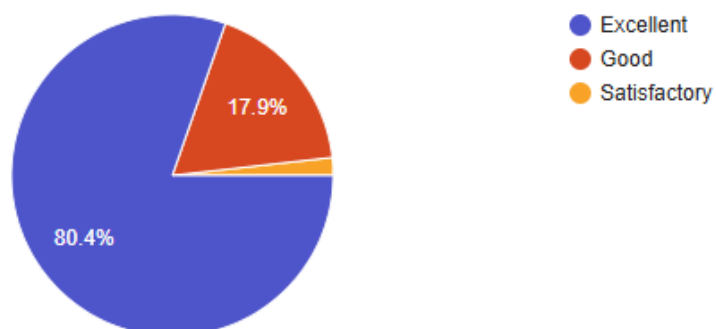
 Copy chart



How effectively was the innovative practice plan implemented?

56 responses

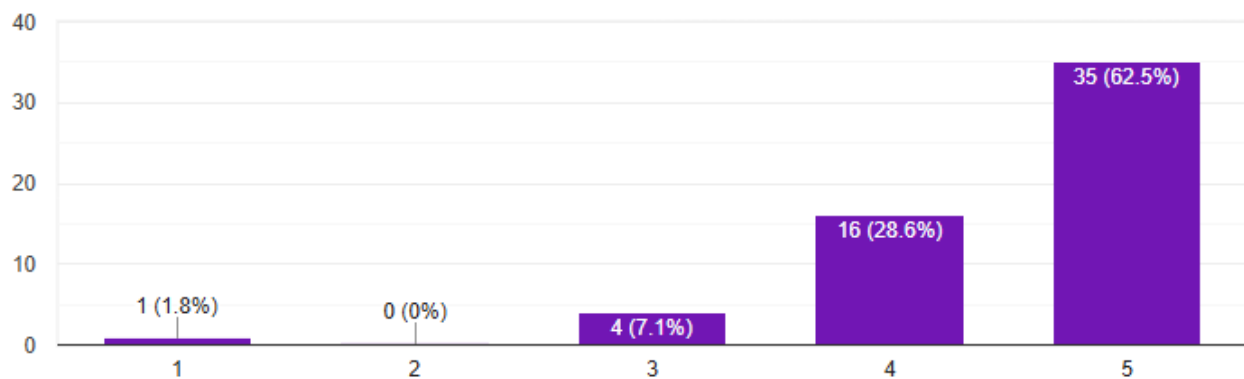
 Copy chart



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

56 responses

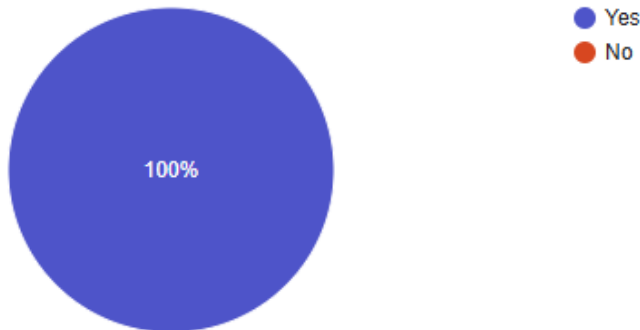
 Copy chart



Were the necessary resources and support provided for successful implementation?

 [Copy chart](#)

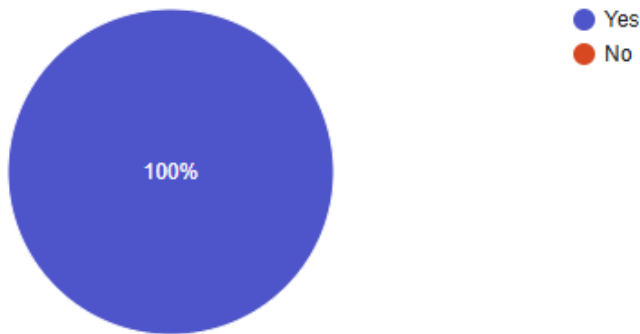
56 responses




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

 [Copy chart](#)

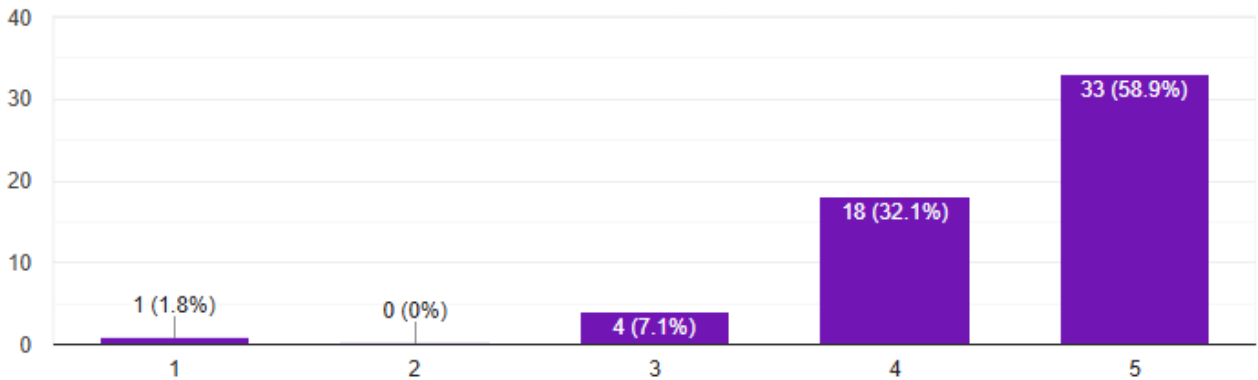
56 responses



How engaged were you throughout the practice plan?

 [Copy chart](#)

56 responses



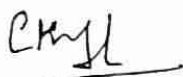
Did the plan provide opportunities for active participation and collaboration?


 Copy chart

56 responses



- Yes
- No

  
15/9/25  
Faculty Incharge

  
15/9  
HoD/AD