



# RAMCO INSTITUTE OF TECHNOLOGY

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Department of Computer Science and Engineering  
Academic Year 2022 – 2023 (Even Semester)

Degree, Semester & Branch: II Semester B.E. CSE ‘A’

Course Code & Title: CS3251 Programming in C

Name of the Faculty member (s): Mrs.B.Vijayalakshmi, AP (SG)/CSE

### Innovative Practice Description

- **Unit / Topic:** Unit V / Files
- **Course Outcome:** CO5
- **Topic Learning Outcome:** TLO12
- **Activity Chosen:** Think Pair Share

• **Justification:**

The file concepts were already studied in previous semester subjects. Hence to recollect the basic concepts and know their level of understanding about the files and operations the Think Pair Share activity was conducted.

- **Time Allotted for the Activity:** 10 Minutes

• **Details of the Implementation:**

- A Collaborative, active learning strategy, in which students work on a question posed by instructor, first individually (Think), work in pairs or groups (Pair) to discuss about the question, and finally share their solution with the entire class (Share).
- **Think** – The faculty member posted the question regarding the basics of files and file operations to the students. The student has to think about the what is file and its need individually.
- **Pair-** After thinking about the answers, the students were allowed to discuss with neighbour and justify the resultant answer to each other
- **Share** – The team member shares the conclusion made between the them to the entire class which is shown in Fig.1 & 2.

• **CO – PO / PSO mapping:**

CO	PO1	PO2	PO3	PO5	PO8	PO9	PO10	PO12	PSO1	PSO2	PSO3
CO5	3	2	1	2	1	1	1	1	3	1	1

(1 – Low      2 – Moderate      3 – High)

• **PO / PSO mapped:**

Innovative practice	PO1	PO2	PO9	PO10	PSO1	PSO2	PSO3
	3	2	1	1	3	1	1

<b>Justification for correlation</b>	The basic knowledge about file is needed	The students think about files, operations and its need	The students coordinate and demonstrate the activity as a team.	The students communicate the solution to others.	The concept is used in developing the software	The concept is used in security applications	The concept is used in solving problems in AI
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• **Images / Screenshot of the practice:**



**Fig 1: Mr.Ashwath & Mr. Yogeswar shared their views on files**



**Fig 2: Ms.Harini & Ms.Sakthideeksha shared their views on uses of files**

• **Reflective Critique:**

❖ **Feedback of practice from students and other stakeholders:**

- The students can easily recollect the concepts after discussing with their team members.
- The subsequent concepts in the file are easily understood by the students.

❖ **Benefit of the practice:** (E.g.: Outcome attainment would have increased due to innovative practice over conventional practice)

- It helps the students to develop their oral communication abilities and motivates them to share thoughts with their friends.

- Speaking with their peers on this topic increases their expertise and self-confidence.

❖ ***Challenges faced in implementation:***

- While some students find it easy to recollect and share their views with others, others need more explanation to finish the assignment.
- Making all of the students participate and present actively in this activity is difficult.

**References:**

- ❖ <https://www.ritrjpm.ac.in/images/computer-science/CS8451-Think-Pair-Share-PJT.pdf>
- ❖ [https://www.ritrjpm.ac.in/images/computer-science/14\\_CS8392\\_TPS.pdf](https://www.ritrjpm.ac.in/images/computer-science/14_CS8392_TPS.pdf)

**Signature of Faculty Member**

**HOD**