

Innovative Teaching Practice

Course Information

Faculty Name	: Dr.V.Pavani, Mrs.S.Dhrakshayani
Course Name	: Operating Systems
Class	: II B. Tech I Semester
Academic Year	: 2021-2022
Activity Name	: Think-Pair-Share
Topic	: Operating System Functions

Objective of the Activity:

The objective of the Think-Pair-Share activity is to encourage students to reflect on and discuss the key functions of an operating system (OS), such as process management, memory management, file management, and device management. By first thinking individually, then pairing with a peer to discuss ideas, and finally sharing insights with the class, students can deepen their understanding through structured dialogue and peer collaboration.

In-Class Think-Pair-Share Activity:

Instructions:

1. Think (5 minutes):

- Each student is given 5 minutes to individually reflect on the following prompts:
 1. What are the primary functions of an operating system?
 2. Why are these functions crucial for efficient system performance?
 3. Can you think of any real-world examples of how an OS function, such as memory management, impacts system performance?

2. Pair (10 minutes):

- After the thinking session, students will pair up with a partner and discuss their responses. They are encouraged to:
 - Compare their understanding of OS functions.
 - Clarify doubts or misconceptions.
 - Share examples of OS functions in everyday computer use (e.g., how process scheduling affects multitasking).

3. Share (10 minutes):

Each pair will summarize their discussion and share key points with the class. This can include:

- A concise explanation of each OS function.
- Real-world examples and how they relate to system performance.
- Any interesting insights or questions that arose during their discussion.

Images / Screenshot of the practice

Think-Pair-Share	Screenshot of the practice
Activity on Think for individual reflection	
Activity on Pair of collaborative Discussion	
Activity on Share for class wide sharing	

Benefits of the Practice:

Promotes Active Learning: The Think-Pair-Share activity encourages all students to actively engage with the material, fostering deeper reflection on key operating system functions.

Signature of Faculty

Head of the Department