

Innovative Teaching Practice

Course Information:

Faculty Name	: Dr. D.Anveshini, Dr. K.Baranitharan
Course Name	: Computer Networks
Class	: III B.Tech I Semester
Academic Year	: 2024-2025
Activity Name	: One Minute Summary
Topic	: OSI reference model

Objective of the Activity:

The objective of the One Minute Summary activity is to provide students with a quick and concise reflection opportunity to articulate their understanding of OSI model.

Pre-Class Preparation:

Students are required to:

- **Review the textbook or assigned materials** on OSI model, focusing on:
 - Discuss OSI model in detail.
 - Different layers in OSI(physical, Data link, etc..).
 - Describe the layers in OSI model.
- **Prepare questions** about any unclear aspects of OSI model, especially regarding practical challenges and performance considerations.

In-Class One Minute Summary:

Instructions:

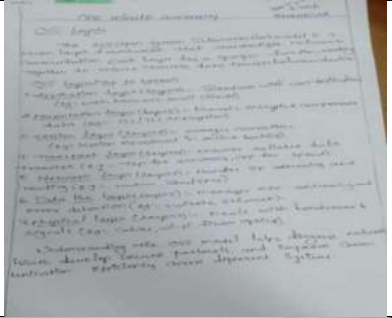
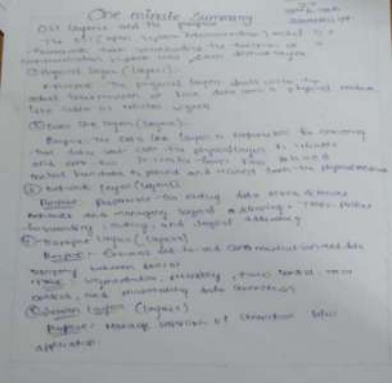
At the end of the lecture on OSI model, students are given one minute to write a short paper addressing the following prompts:

1. Explain the main functions of each layer in OSI model.
2. How does the physical layer differ from the Data Link layer.
3. **What is the purpose of the OSI model**

Submission:

Students submit their papers at the end of the minute, capturing their immediate understanding of the topic.

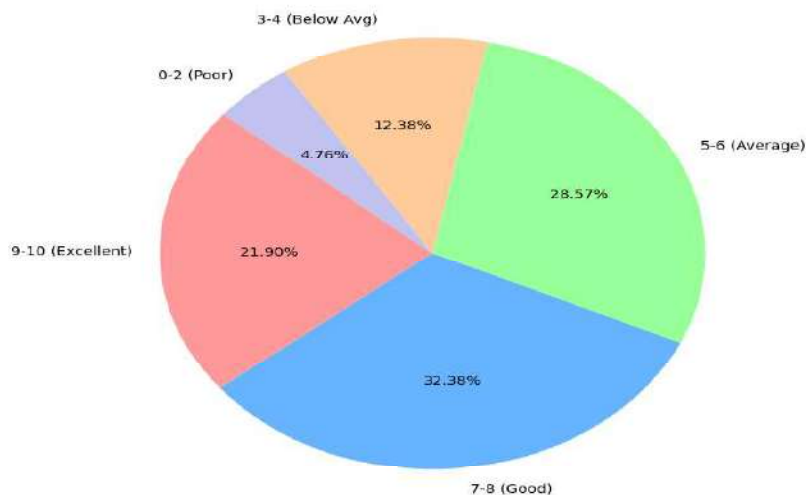
Images / Screenshot of the practice

One Minute Summary	Screenshot of the practice
On the topic OSI model by 22NN1A1258	
On the topic OSI model by 22NN1A1247	

Assessment analysis:

Marks Range	Number of Students	Percentage
9-10 (Excellent)	23	21.90%
7-8 (Good)	34	32.38%
5-6 (Average)	30	28.57%
3-4 (Below Avg)	13	12.38%
0-2 (Poor)	5	4.76%
Total	105	100%

Distribution of Students by Marks Range (105 Students)



Benefits of the Practice:

1. **Encourages Reflection:** Students must think critically and summarize their understanding of complex topics in a concise format.
2. **Provides Immediate Feedback:** The quick nature of the activity allows the instructor to assess student understanding in real-time and identify areas that need more clarification in future classes.

Signature of Faculty

Head of the Department