

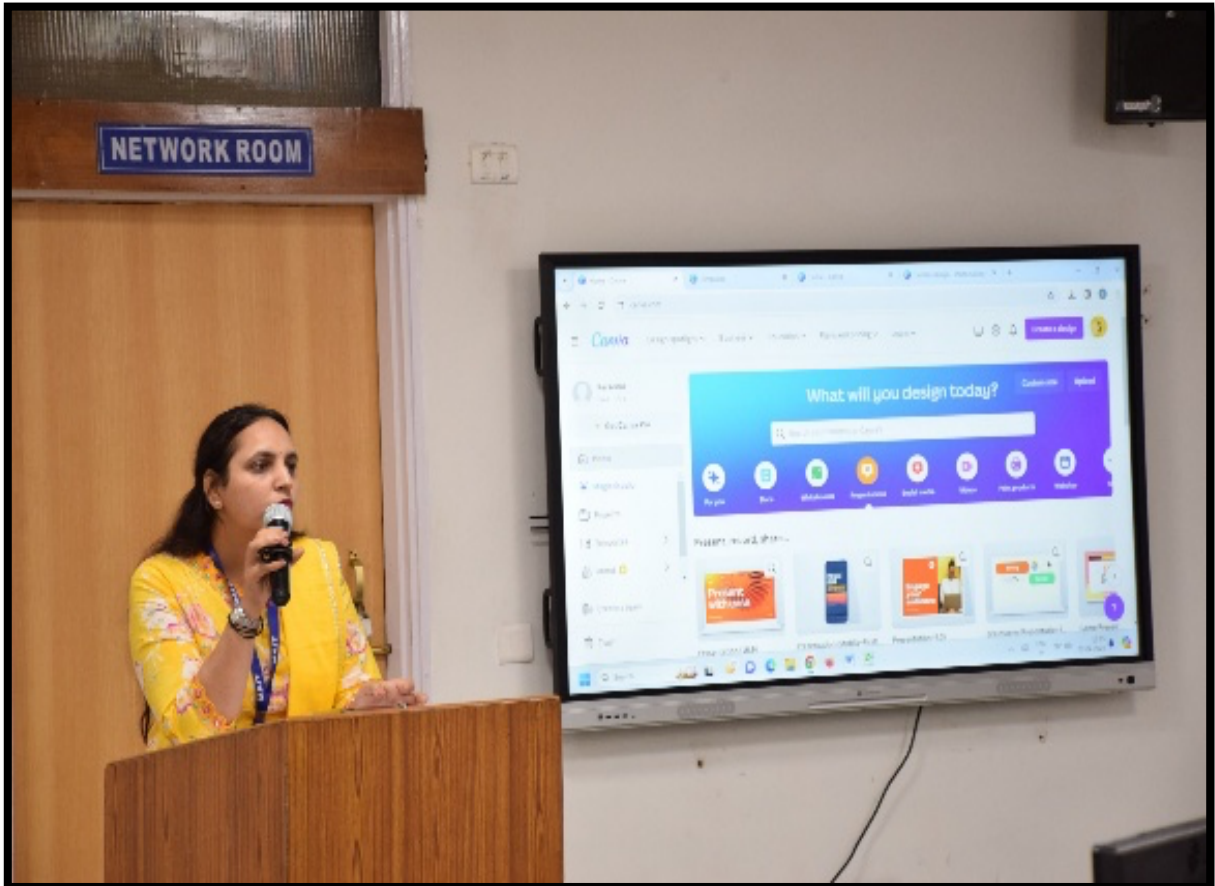
MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: All Faculty

Subject Name: All Subjects

Pedagogical Tool/ Instructional Method: **Smart Board**

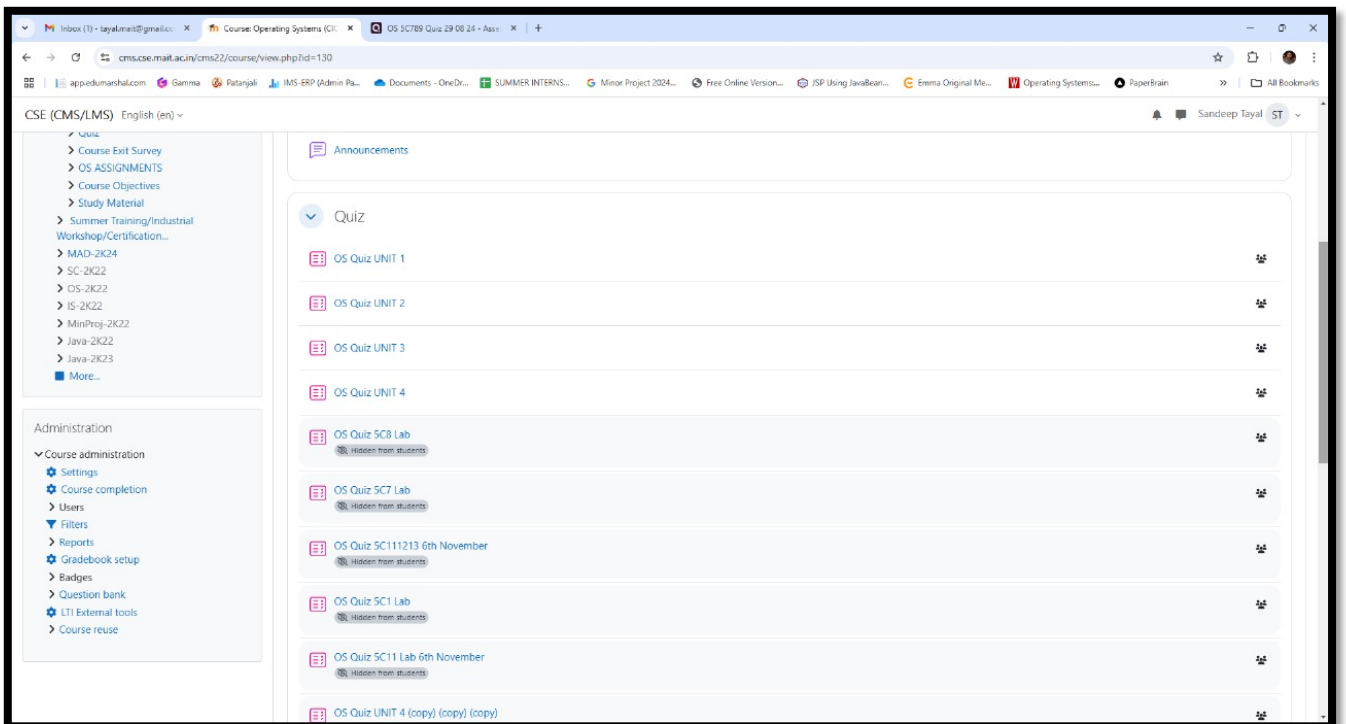
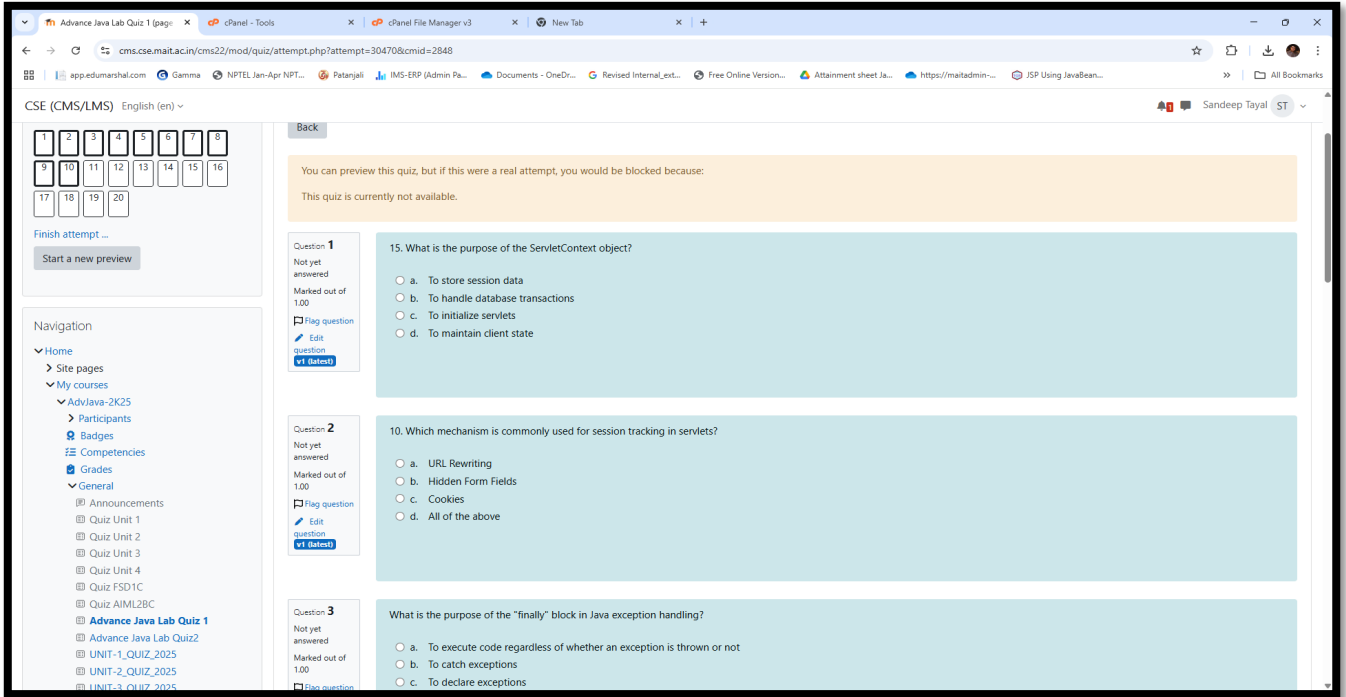


MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: All Faculty

Subject Name: All Subjects

Pedagogical Tool/ Instructional Method: Moodle





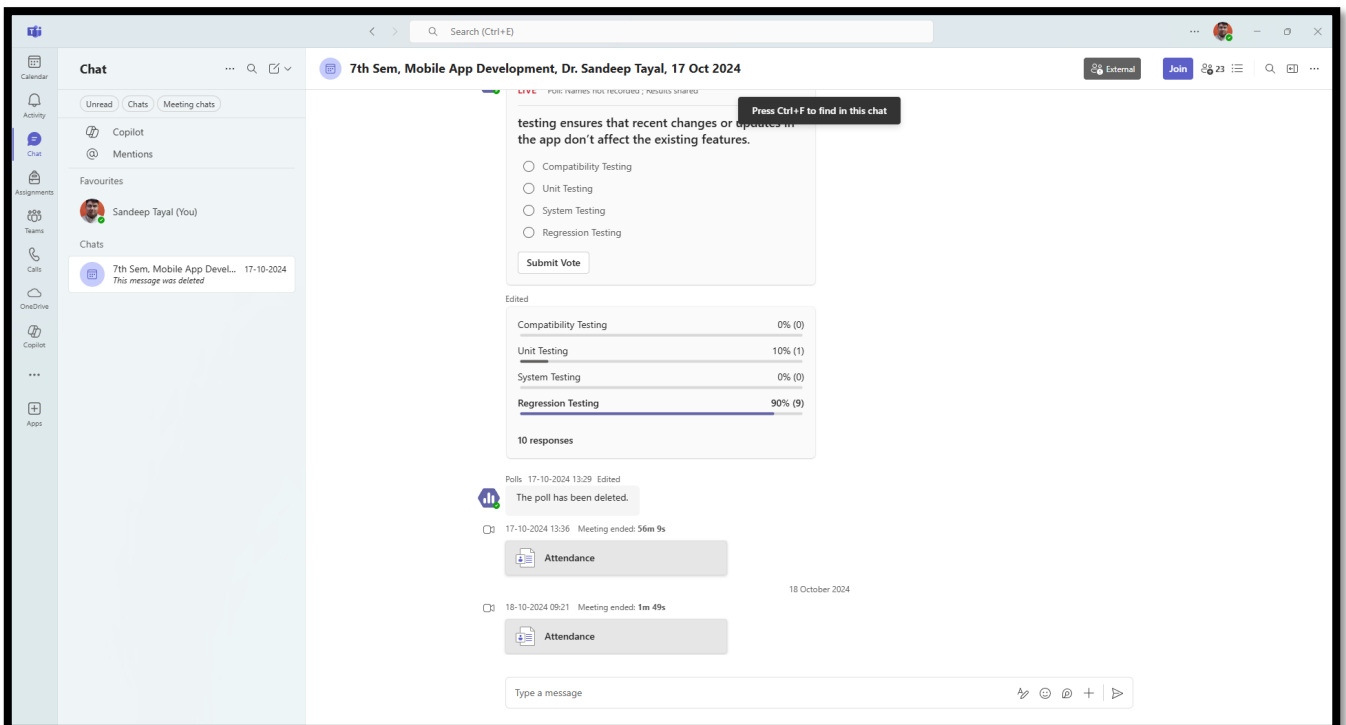
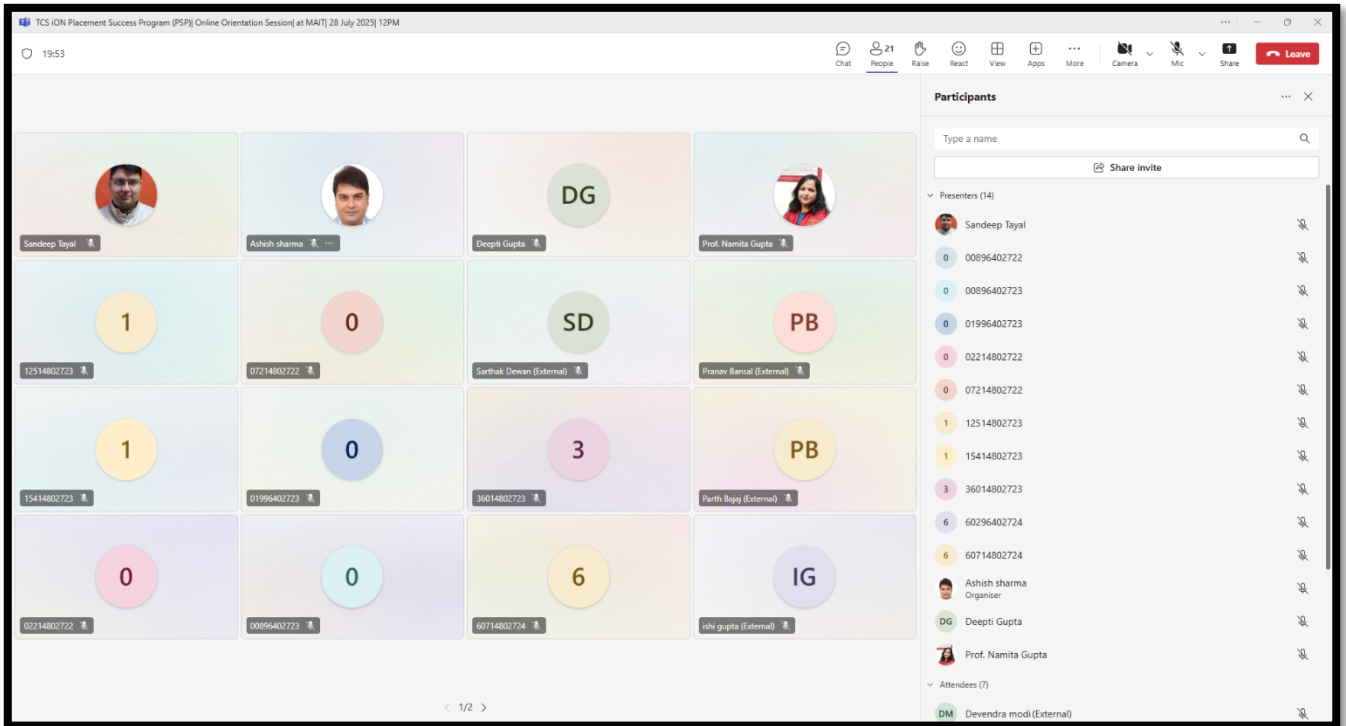
MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: All Faculty

Subject Name: All Subjects

Pedagogical Tool/ Instructional Method: MS Teams

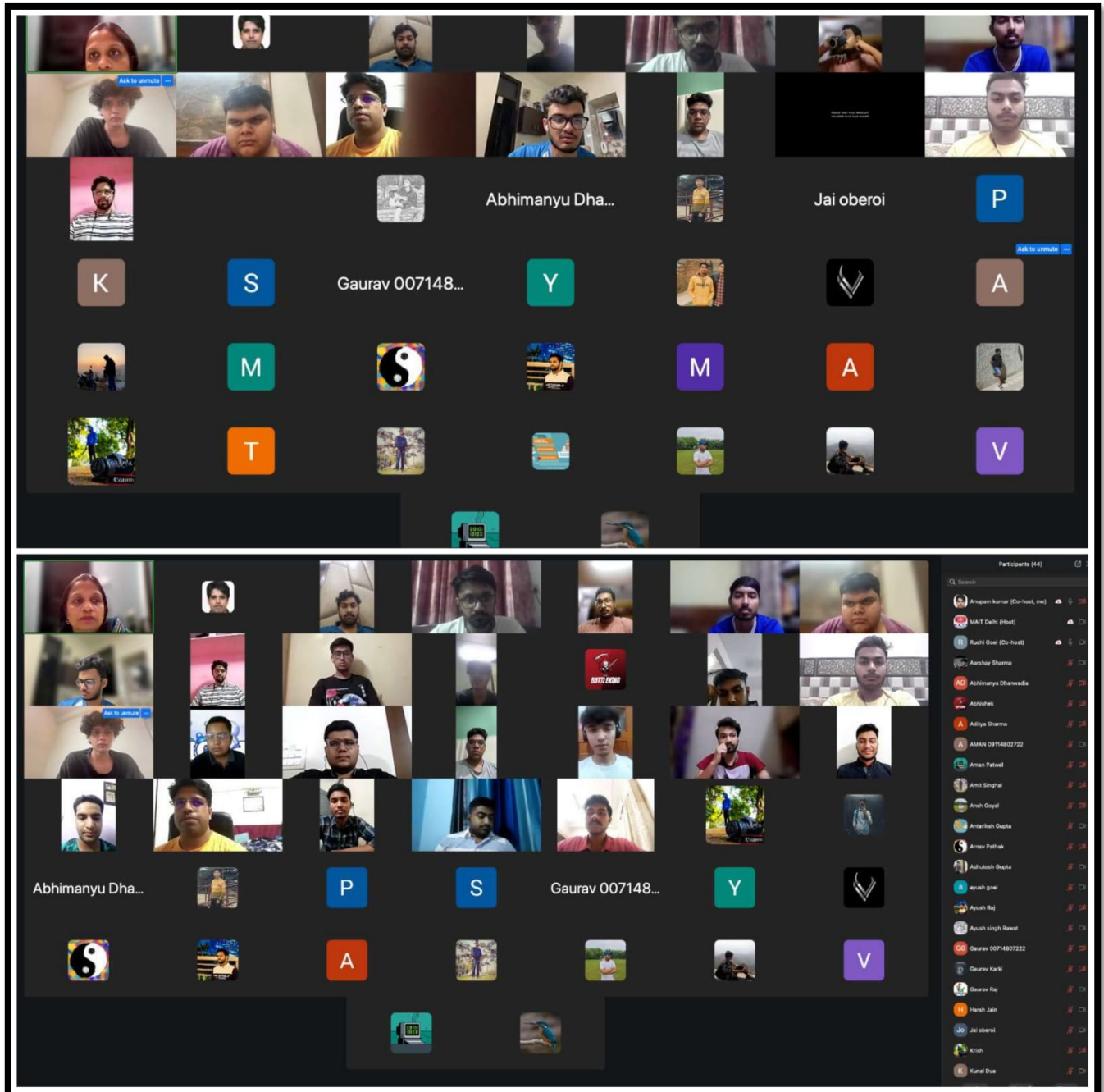


MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: All Faculty

Subject Name: All Subjects

Pedagogical Tool/ Instructional Method: **Zoom**

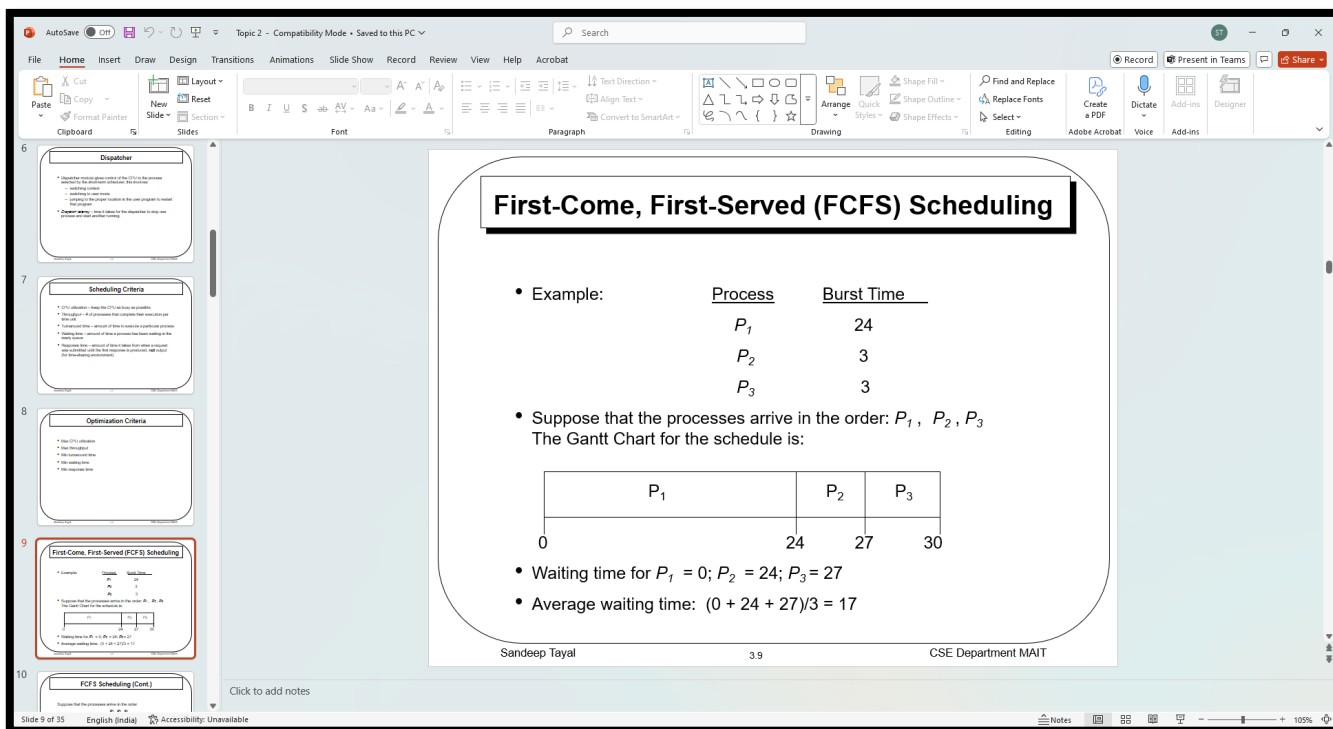


MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: All Faculty

Subject Name: All Subjects

Pedagogical Tool/ Instructional Method: PPTs



The screenshot shows a PowerPoint slide titled "First-Come, First-Served (FCFS) Scheduling". The slide content includes:

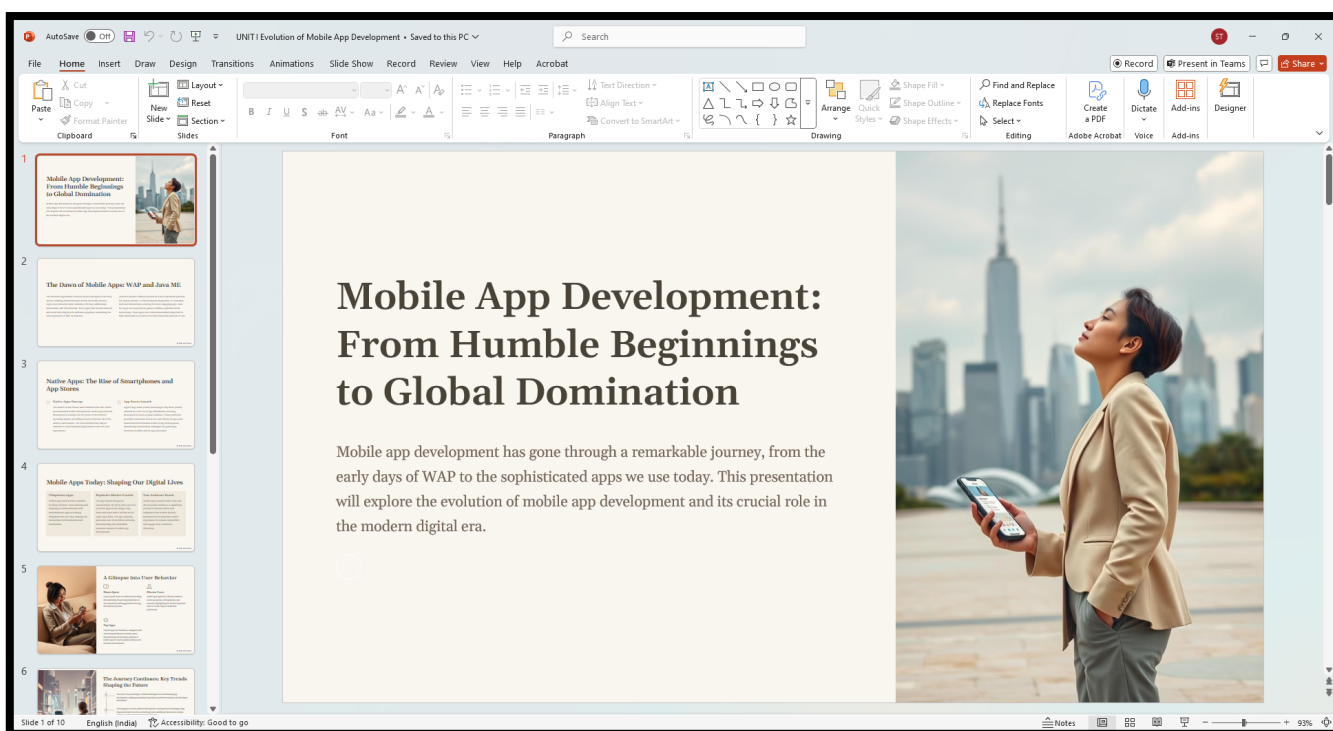
- Example:**

Process	Burst Time
P_1	24
P_2	3
P_3	3
- Suppose that the processes arrive in the order: P_1, P_2, P_3 . The Gantt Chart for the schedule is:

The Gantt chart shows a horizontal timeline from 0 to 30. Process P_1 runs from 0 to 24. Process P_2 runs from 24 to 27. Process P_3 runs from 27 to 30.

- Waiting time for $P_1 = 0$; $P_2 = 24$; $P_3 = 27$
- Average waiting time: $(0 + 24 + 27)/3 = 17$

Footer: Sandeep Tayal, 3.9, CSE Department MAIT



The screenshot shows a PowerPoint slide titled "Mobile App Development: From Humble Beginnings to Global Domination". The slide content includes:

Mobile App Development: From Humble Beginnings to Global Domination

Mobile app development has gone through a remarkable journey, from the early days of WAP to the sophisticated apps we use today. This presentation will explore the evolution of mobile app development and its crucial role in the modern digital era.

The slide features a background image of a woman in a beige blazer looking up at a city skyline while holding a smartphone.

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: All Faculty

Subject Name: All Subjects

Pedagogical Tool/ Instructional Method: **Whiteboard**



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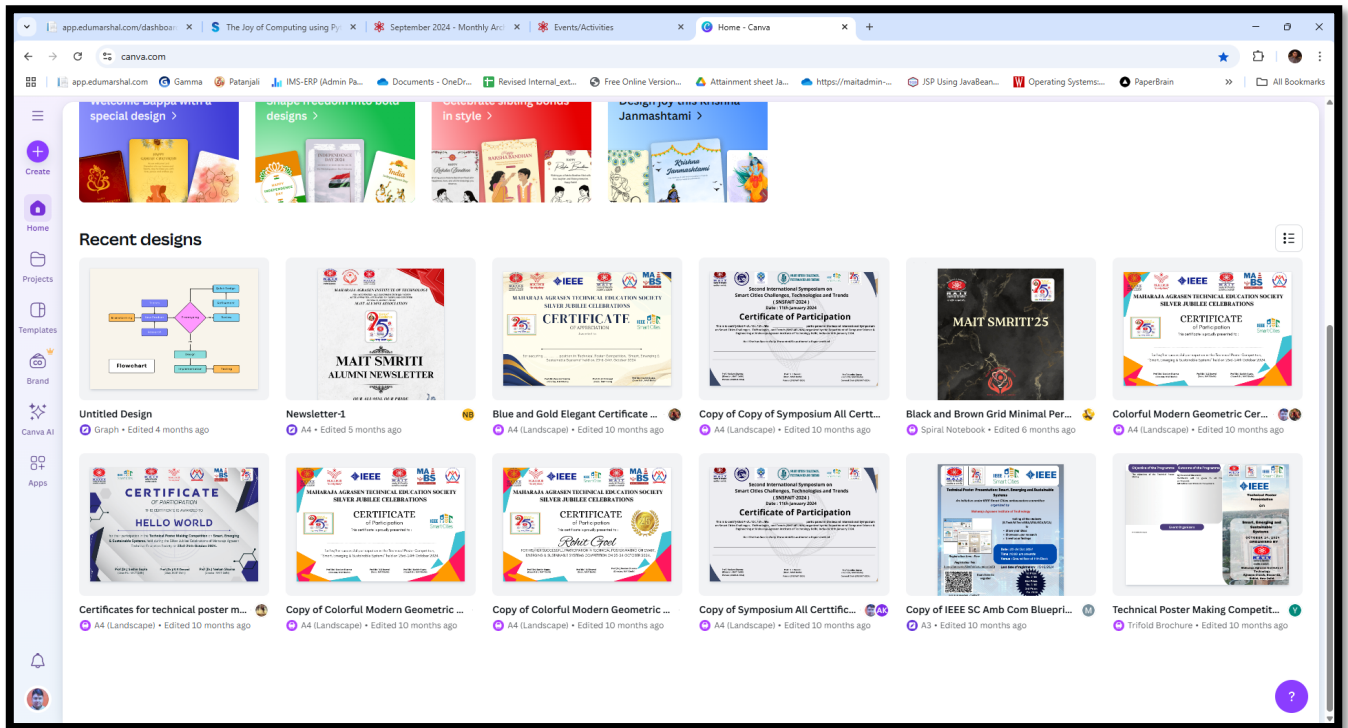
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: All Faculty

Subject Name: All Subjects

Pedagogical Tool/ Instructional Method: Canva

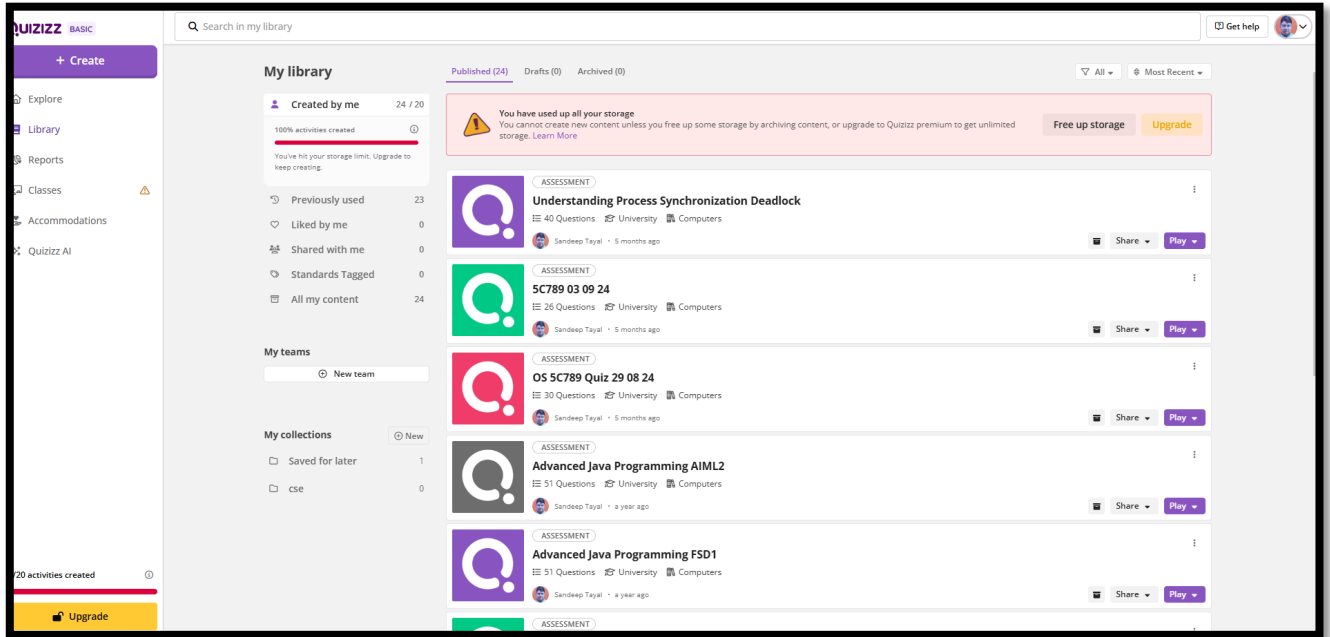


MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: Ms. Mini Agarwal, Ms. Kavita Saxena, Ms. Savita Sharma

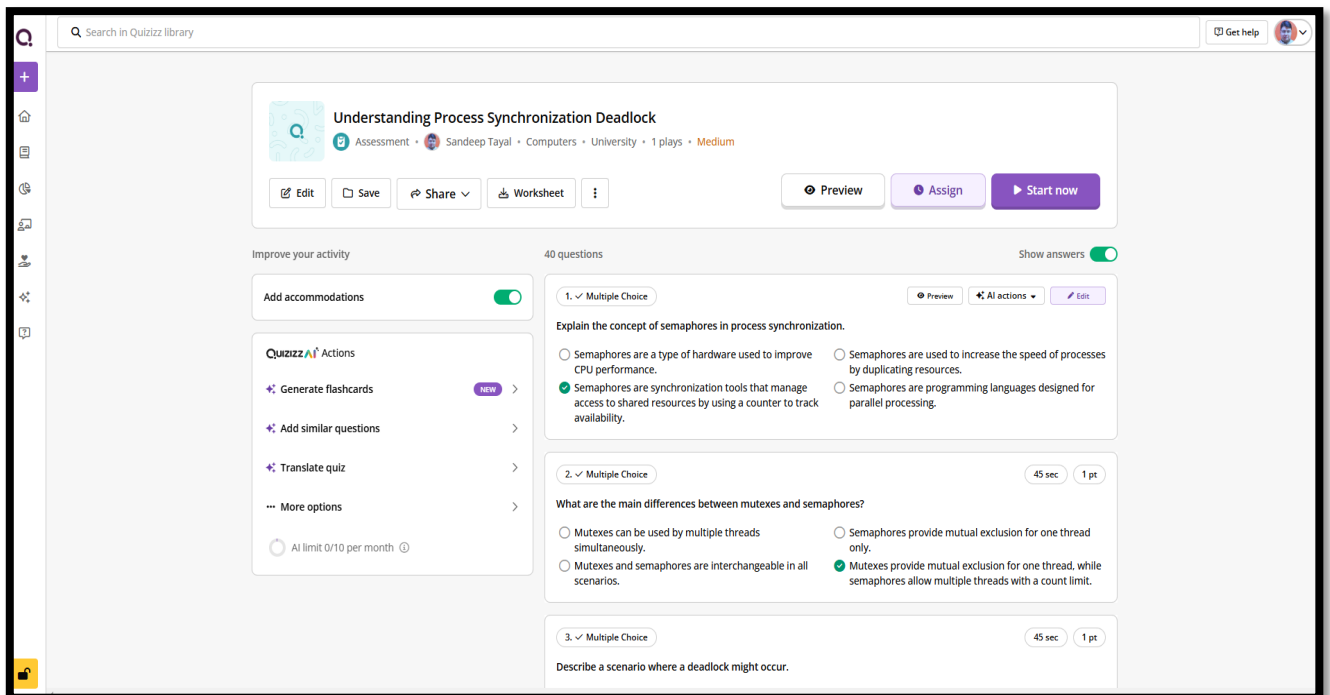
Subject Name: CIC-305 Operating Systems

Pedagogical Tool/ Instructional Method: QUIZZ.COM



The screenshot shows the 'My library' page on Quizizz. It features a search bar at the top, a navigation menu on the left, and a main content area with a list of assessments. A storage warning banner is visible at the top right. The assessments listed include:

- Understanding Process Synchronization Deadlock**: 40 Questions, University, Computers, 5 months ago.
- 5C789 03 09 24**: 26 Questions, University, Computers, 5 months ago.
- OS 5C789 Quiz 29 08 24**: 30 Questions, University, Computers, 5 months ago.
- Advanced Java Programming AIML2**: 51 Questions, University, Computers, 1 year ago.
- Advanced Java Programming FSD1**: 51 Questions, University, Computers, 1 year ago.



The screenshot shows the 'Understanding Process Synchronization Deadlock' assessment editor. It includes a title, author information, and action buttons (Edit, Save, Share, Worksheet, Preview, Assign, Start now). The 'Improve your activity' section is active, showing 'Add accommodations' and 'Quizizz AI Actions' (Generate flashcards, Add similar questions, Translate quiz). The main content area displays three multiple-choice questions:

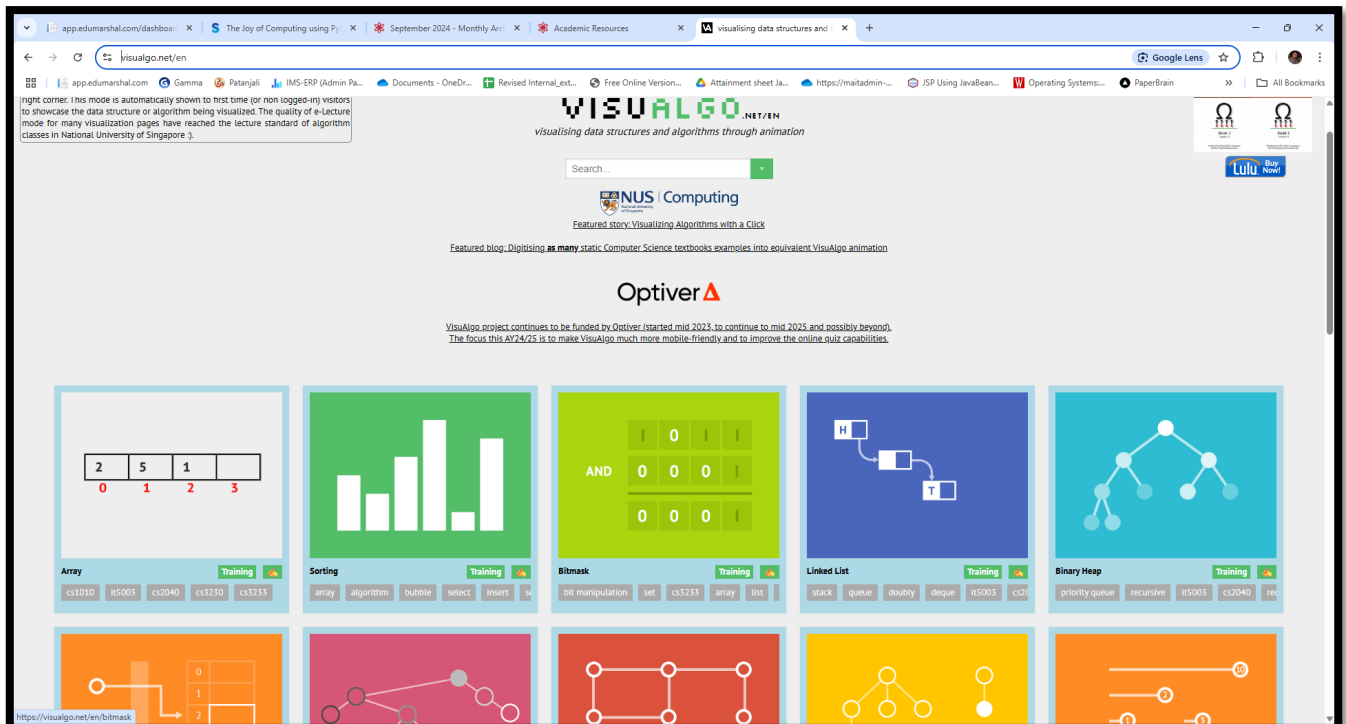
- 1. Multiple Choice (45 sec, 1 pt)**: Explain the concept of semaphores in process synchronization.
 - Semaphores are a type of hardware used to improve CPU performance.
 - Semaphores are used to increase the speed of processes by duplicating resources.
 - Semaphores are synchronization tools that manage access to shared resources by using a counter to track availability.
 - Semaphores are programming languages designed for parallel processing.
- 2. Multiple Choice (45 sec, 1 pt)**: What are the main differences between mutexes and semaphores?
 - Mutexes can be used by multiple threads simultaneously.
 - Semaphores provide mutual exclusion for one thread only.
 - Mutexes and semaphores are interchangeable in all scenarios.
 - Mutexes provide mutual exclusion for one thread, while semaphores allow multiple threads with a count limit.
- 3. Multiple Choice (45 sec, 1 pt)**: Describe a scenario where a deadlock might occur.

MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: Ms. Deepti Gupta, Dr. Ankita Gupta, Ms. Shallu Juneja

Subject Name: CIC-209 Data Structures

Pedagogical Tool/ Instructional Method: **Visu Algo**



MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: Ms. Karuna Middha, Mr. Akshay Mool and Ms. Chesta Aggarwal

Subject Name: CIC-211 Object Oriented Programming using C++

Pedagogical Tool/ Instructional Method: **Crossword Puzzles**

009 Visual Report

OOPS
Crossword Puzzle

DOWN

1. The class members declared as _____ can be accessed only by the member functions inside the class
2. A _____ is a collection of statements that perform some specific task and return the result to the caller.
3. The _____ pointer is passed as a hidden argument to all non-static member function calls and is available as a local variable within the body of all non-static functions.
4. In _____ polymorphism, the compiler resolves the object at run time, and then it decides which function call should be associated with that object.
5. The class _____ is surrounded by braces, { }.

ACROSS

6. _____ is an instance member function which is invoked automatically whenever an object is going to be destroyed
7. The _____ statement returns the flow of the execution to the function from where it is called.
8. An _____ is a collection, or the gathering of things together.
9. _____ function can be granted special access to private and protected members of a class in C++.
10. The capability of a class to derive properties and characteristics from another class is called _____.

			⁵ D	E	S	T	R	U	C	³ T	O	R
¹ P											H	
⁷ R											I	
I								² M			S	
V								E				
⁸ A	G	G	⁴ R	E	G	A	T	I	O	N		
T			U					H			⁶ B	
E			N					O			O	
			T					O			D	
	⁹ F	R	I	E	N	D					Y	
			M									
¹⁰ I	N	H	E	R	I	T	A	N	C	E		

up it up
A+
10/10
✓

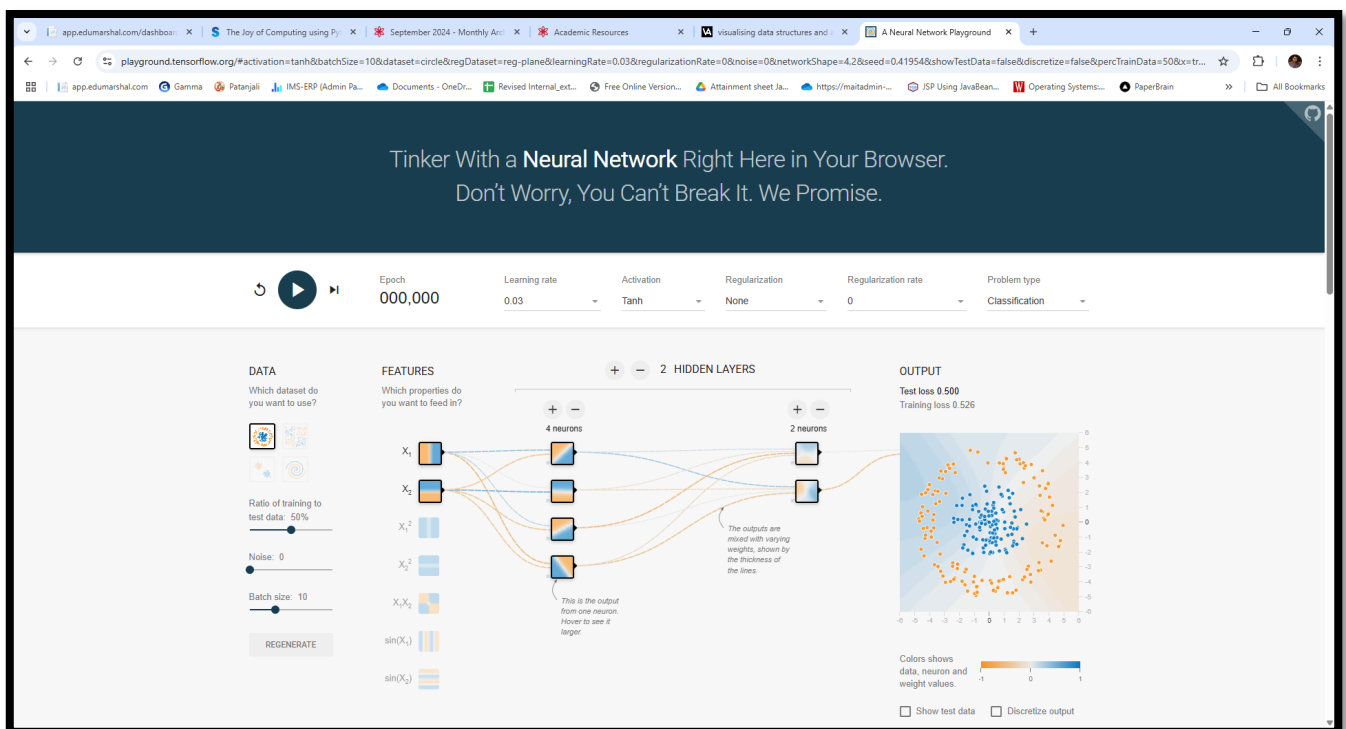
MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: Ms. Garima Gupta, Dr. Ankita Gupta, Ms. Sakshi Jha

Subject Name: CIE-425T Data Warehousing and Data Mining

Pedagogical Tool/ Instructional Method: Visualization Tool

<https://playground.tensorflow.org/>



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

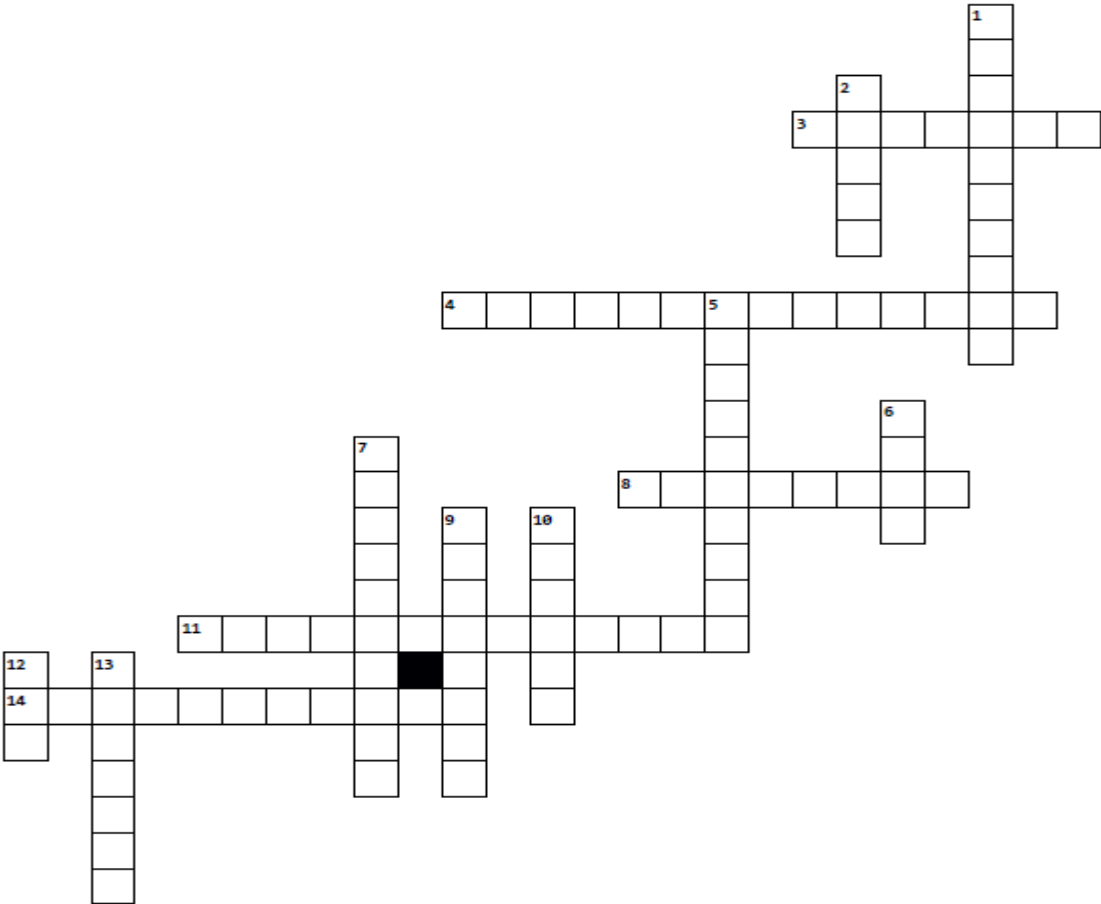
MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: Dr. Ruchi Goel

Subject Name: CIE-405T Data Science

Pedagogical Tool/ Instructional Method: **Crossword Puzzles**

Data Science Crossword Puzzle 1



Across	Down
3. Process of training a model multiple times to improve accuracy	1. Practice of splitting data into training and testing sets
4. Common technique to prevent overfitting	2. Regularization technique that adds absolute values of coefficients to the cost function
8. Difference between predicted and actual values	5. Algorithm used for making predictions
11. Term for scaling features to a range between 0 and 1	6. Measure of a model's ability to generalize to new data
14. Method used for feature selection	7. Technique is used to fill missing values in a dataset

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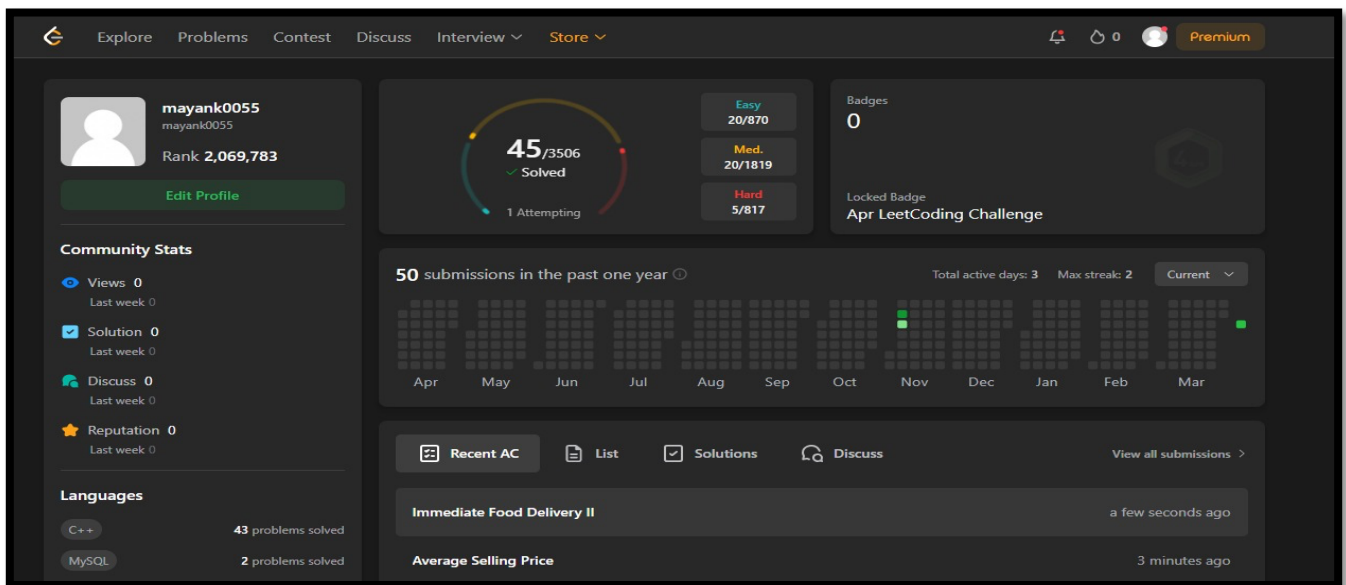
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

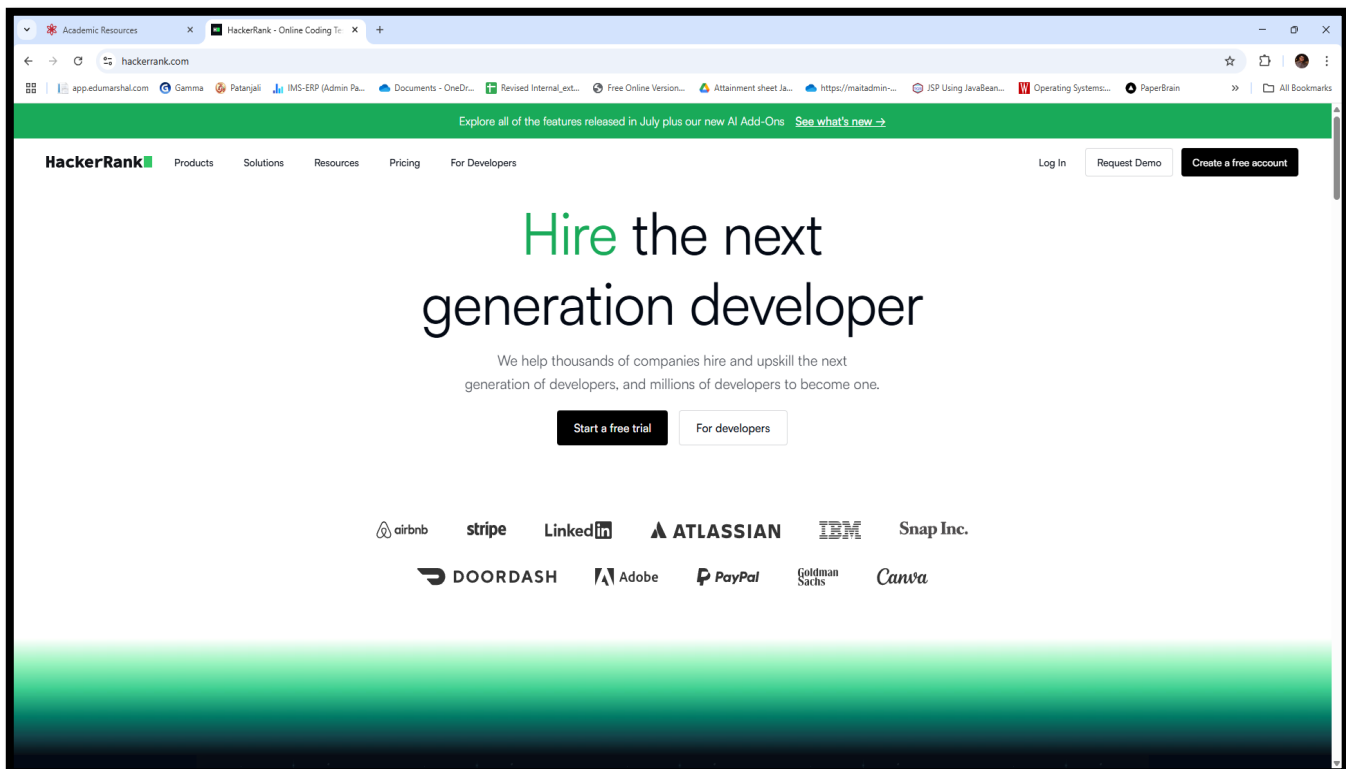
Faculty Name: Prof. Namita Gupta, Mr Yogesh Sharma, Ms Karuna, Ms Neetu

Subject Name: CIC-210 DBMS

Pedagogical Tool/ Instructional Method: Leetcode, HackerRank



The screenshot shows a LeetCode user profile for 'mayank0055'. The user's rank is 2,069,783. They have solved 45 out of 3506 problems, with 1 currently attempting. The profile is categorized into three difficulty levels: Easy (20/870), Medium (20/1819), and Hard (5/817). There are 0 badges, including a locked 'Apr LeetCode Challenge' badge. Community stats show 0 views, solutions, discussions, and reputation in the last week. The user has solved 43 problems in C++ and 2 in MySQL. The main content area shows 50 submissions in the past year, with a calendar view indicating activity in April and March. Recent activity includes 'Immediate Food Delivery II' (submitted a few seconds ago) and 'Average Selling Price' (submitted 3 minutes ago).



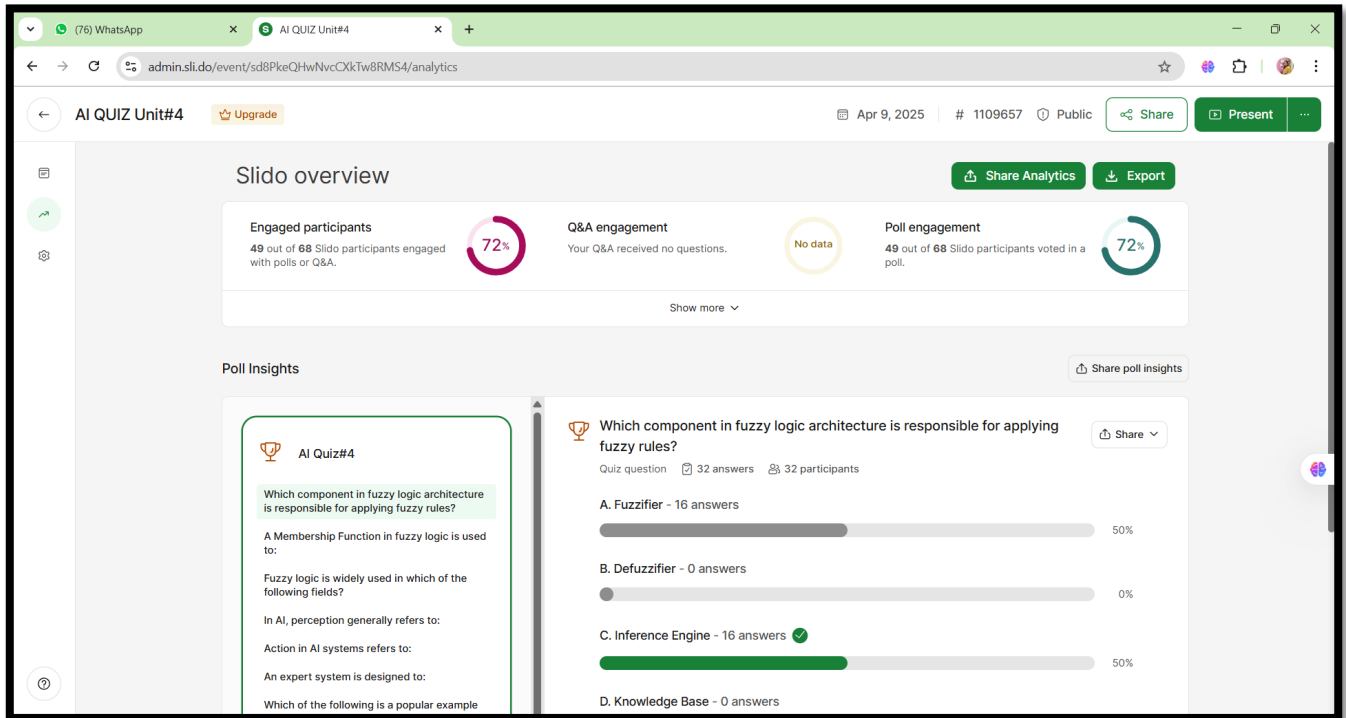
The screenshot shows the HackerRank website landing page. The headline reads 'Hire the next generation developer'. Below the headline, it states: 'We help thousands of companies hire and upskill the next generation of developers, and millions of developers to become one.' There are two buttons: 'Start a free trial' and 'For developers'. At the bottom, there is a list of logos for partner companies: airbnb, stripe, LinkedIn, ATlassian, IBM, Snap Inc., DOORDASH, Adobe, PayPal, Goldman Sachs, and Canva.

MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: Ms. Mini Agarwal

Subject Name: AI-302T/ CIE-374T Artificial Intelligence

Pedagogical Tool/ Instructional Method: Slido for Quiz

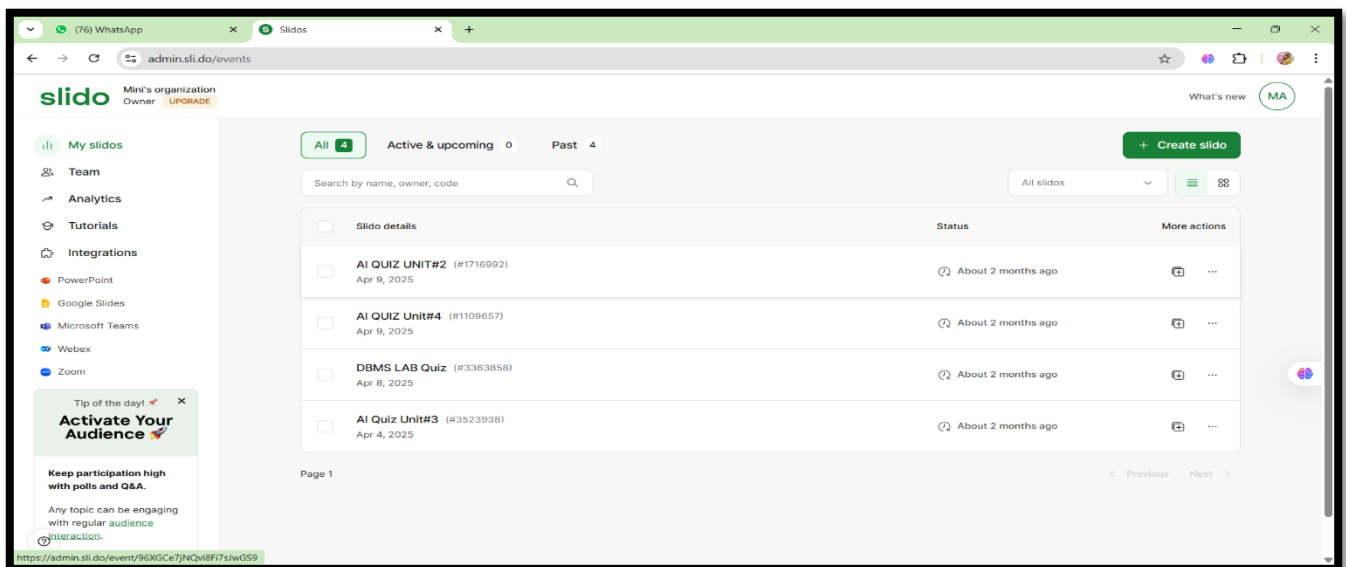


The screenshot shows the Slido analytics dashboard for a quiz titled "AI QUIZ Unit#4". The dashboard includes the following sections:

- Engaged participants:** 49 out of 68 Slido participants engaged with polls or Q&A. (72%)
- Q&A engagement:** Your Q&A received no questions. (No data)
- Poll engagement:** 49 out of 68 Slido participants voted in a poll. (72%)

Poll Insights: A poll titled "Which component in fuzzy logic architecture is responsible for applying fuzzy rules?" is shown. It has 32 answers from 32 participants. The results are as follows:

Option	Answers	Percentage
A. Fuzzifier	16	50%
B. Defuzzifier	0	0%
C. Inference Engine	16	50%
D. Knowledge Base	0	0%



The screenshot shows the Slido events dashboard for the organization "Mini's organization". The dashboard displays a list of events with the following details:

Slido details	Status	More actions
AI QUIZ UNIT#2 (#1716992) Apr 9, 2025	About 2 months ago	[Share] [More]
AI QUIZ Unit#4 (#1109657) Apr 9, 2025	About 2 months ago	[Share] [More]
DBMS LAB Quiz (#3363858) Apr 8, 2025	About 2 months ago	[Share] [More]
AI Quiz Unit#3 (#3523938) Apr 4, 2025	About 2 months ago	[Share] [More]

A tip of the day banner is visible at the bottom left, titled "Activate Your Audience", suggesting to keep participation high with polls and Q&A.