

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



MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

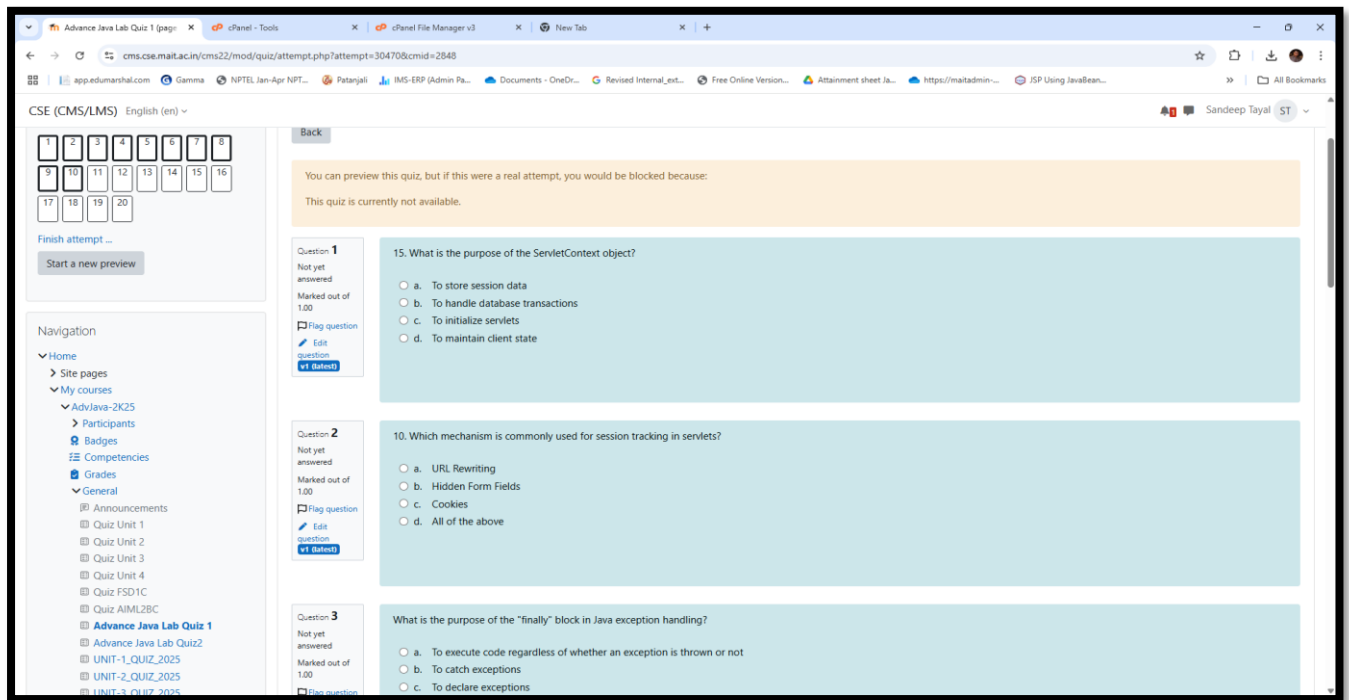
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: All Faculty

Subject Name: All Subjects

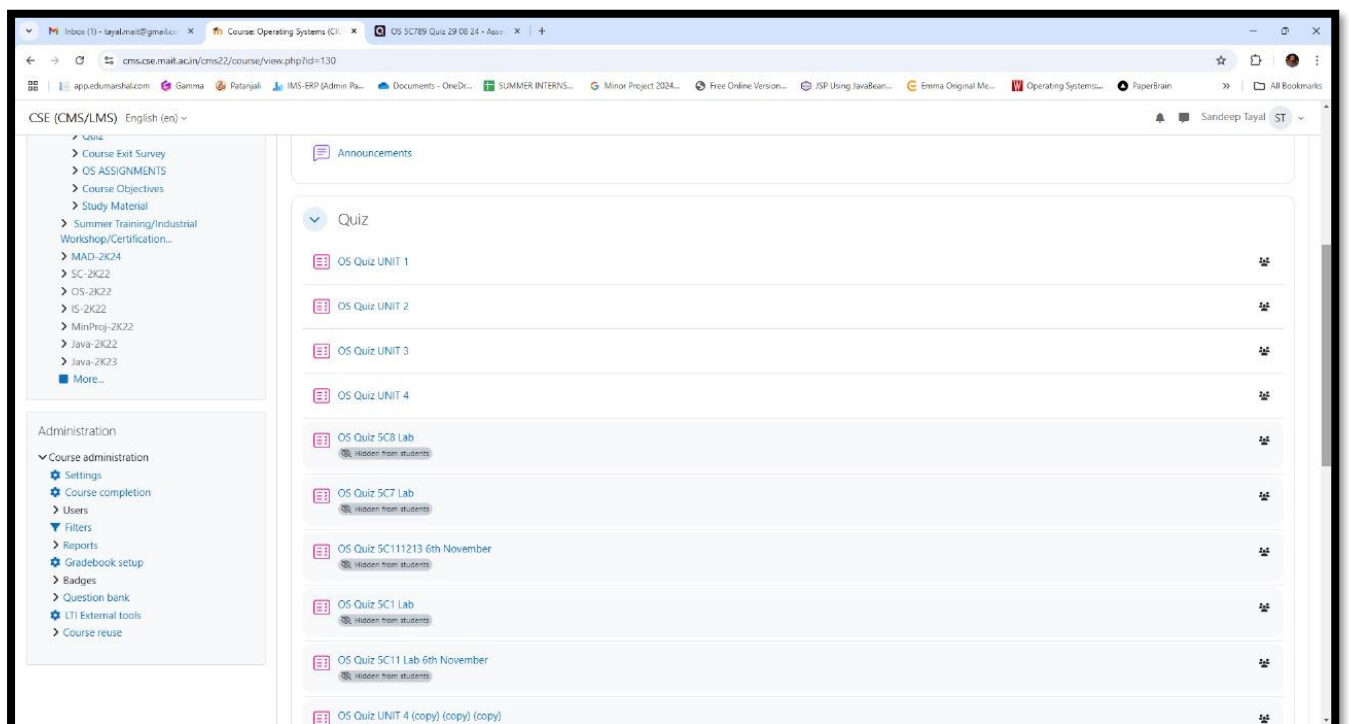
Pedagogical Tool/ Instructional Method: Moodle



The screenshot shows a Moodle quiz preview page for 'CSE (CMS/LMS)'. The page displays a grid of 20 questions, with the first three questions visible in detail. Each question is marked 'Not yet answered' and 'Marked out of 1.00'. The questions are:

- Question 1:** 15. What is the purpose of the ServletContext object?
 - a. To store session data
 - b. To handle database transactions
 - c. To initialize servlets
 - d. To maintain client state
- Question 2:** 10. Which mechanism is commonly used for session tracking in servlets?
 - a. URL Rewriting
 - b. Hidden Form Fields
 - c. Cookies
 - d. All of the above
- Question 3:** What is the purpose of the "finally" block in Java exception handling?
 - a. To execute code regardless of whether an exception is thrown or not
 - b. To catch exceptions
 - c. To declare exceptions

The left sidebar shows the course navigation menu, including 'Home', 'Site pages', 'My courses', 'AdvJava-2K25', 'Participants', 'Badges', 'Competencies', 'Grades', 'General', 'Announcements', 'Quiz Unit 1', 'Quiz Unit 2', 'Quiz Unit 3', 'Quiz Unit 4', 'Quiz FSD1C', 'Quiz AIML2BC', 'Advance Java Lab Quiz 1', 'Advance Java Lab Quiz2', 'UNIT-1_QUIZ_2025', 'UNIT-2_QUIZ_2025', and 'UNIT-3_QUIZ_2025'.



The screenshot shows a Moodle course view page for 'CSE (CMS/LMS)'. The page displays a list of course activities under the 'Quiz' category. The activities are:

- OS Quiz UNIT 1
- OS Quiz UNIT 2
- OS Quiz UNIT 3
- OS Quiz UNIT 4
- OS Quiz 5C8 Lab (Hidden from students)
- OS Quiz 5C7 Lab (Hidden from students)
- OS Quiz 5C111213 6th November (Hidden from students)
- OS Quiz 5C1 Lab (Hidden from students)
- OS Quiz 5C11 6th November (Hidden from students)
- OS Quiz UNIT 4 (copy) (copy) (copy)

The left sidebar shows the course navigation menu, including 'Quiz', 'Course Exit Survey', 'OS ASSIGNMENTS', 'Course Objectives', 'Study Material', 'Summer Training/Industrial Workshop/Certification...', 'MAD-2K24', 'SC-2K22', 'OS-2K22', 'IS-2K22', 'MinProj-2K22', 'Java-2K23', and 'More...'. The 'Administration' section includes 'Course administration', 'Settings', 'Course completion', 'Users', 'Filters', 'Reports', 'Gradebook setup', 'Badges', 'Question bank', 'LTI External tools', and 'Course reuse'.

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

The screenshot shows a Microsoft Teams meeting titled "TCS iON Placement Success Program (PSP), Online Orientation Session[at MAIT] 28 July 2023 12PM". The meeting is in progress at 19:53. The main window displays a grid of 16 participants. The top row shows four participants: Sandeep Tayal, Ashish sharma, DG, and Prof. Namita Gupta. The subsequent rows show participants with circular icons containing numbers (1, 0, SD, PB, 1, 0, 3, PB, 0, 0, 6, IG) and their names. The right sidebar shows a list of participants, including Presenters (14) and Attendees (7). The top bar includes icons for Chat, People, Raise, React, View, Apps, More, Camera, Mic, and Share, along with a red 'Leave' button.

The screenshot shows a Microsoft Teams chat window titled "7th Sem, Mobile App Development, Dr. Sandeep Tayal, 17 Oct 2024". The chat history shows a message about testing ensuring recent changes don't affect existing features, followed by a poll. The poll results are as follows:

Option	Percentage	Count
Compatibility Testing	0%	(0)
Unit Testing	10%	(1)
System Testing	0%	(0)
Regression Testing	90%	(9)

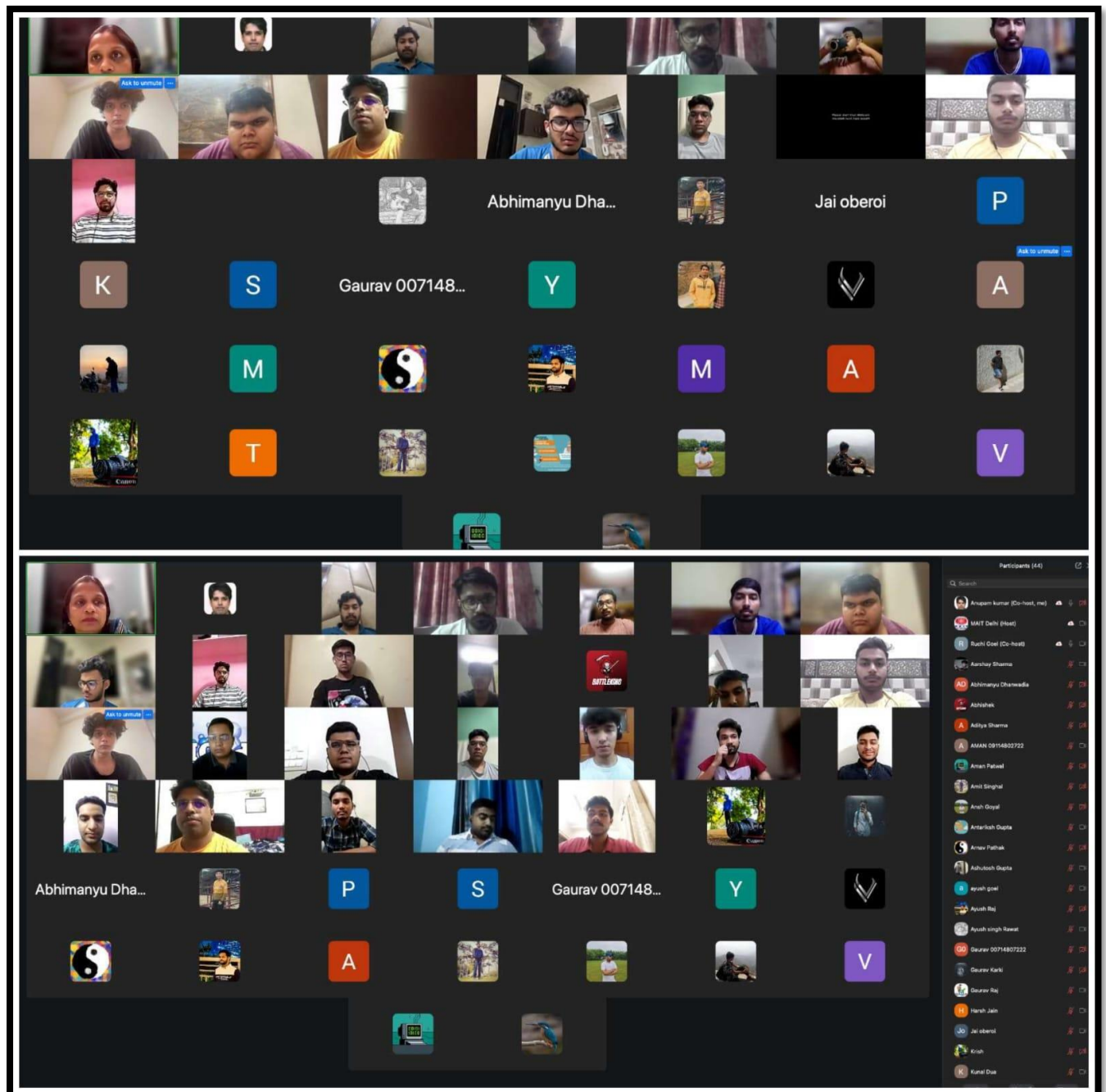
The poll has 10 responses. Below the poll, there is a message stating "The poll has been deleted." and a list of meeting history entries with dates, times, and durations.

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: Zoom

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: $(0 + 24 + 27)/3 = 17$

At the bottom of the slide, it says "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 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 person in a beige jacket 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**



MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

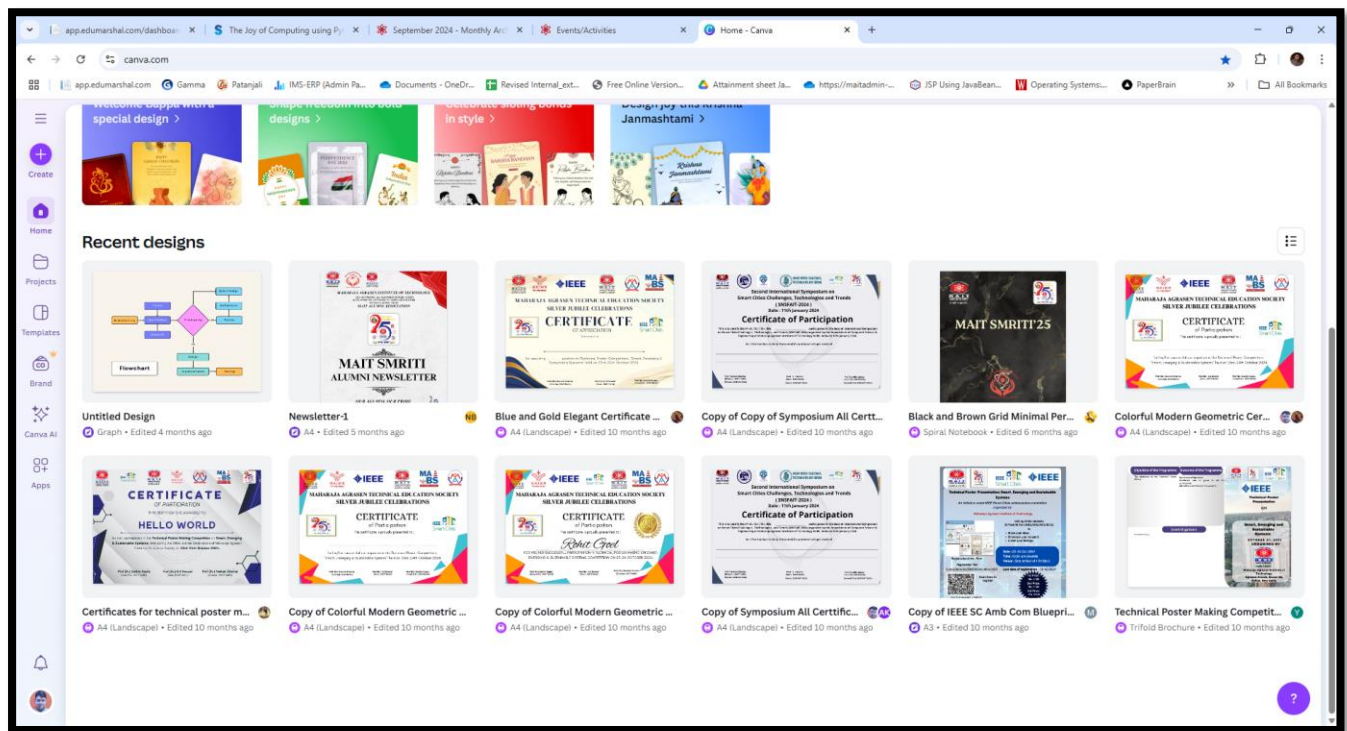
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: All Faculty

Subject Name: All Subjects

Pedagogical Tool/ Instructional Method: Canva



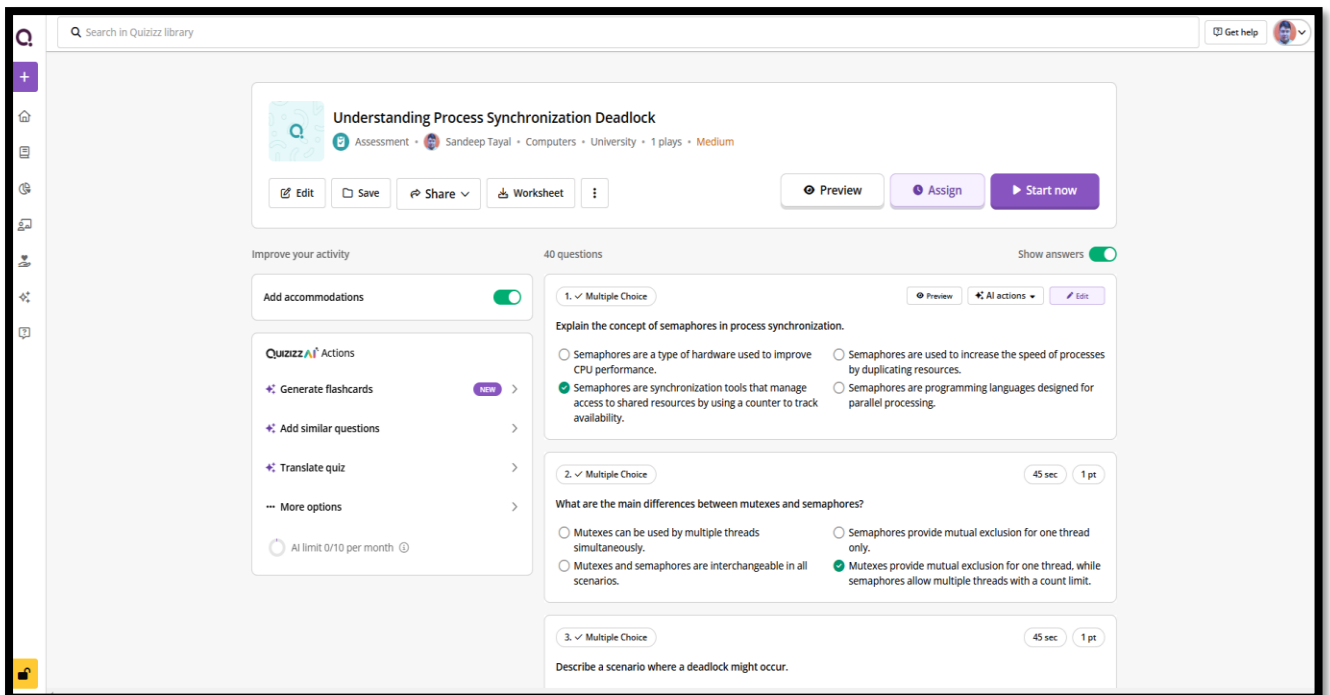
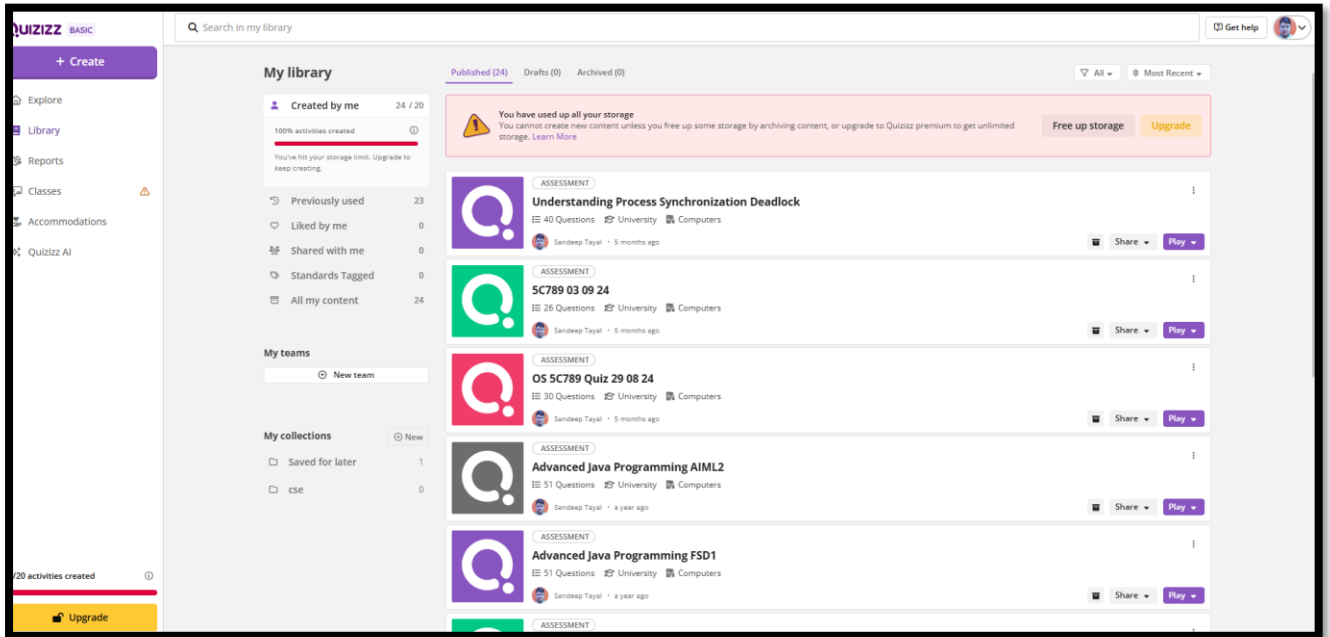
MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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: **QUIZIZZ.COM**



MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

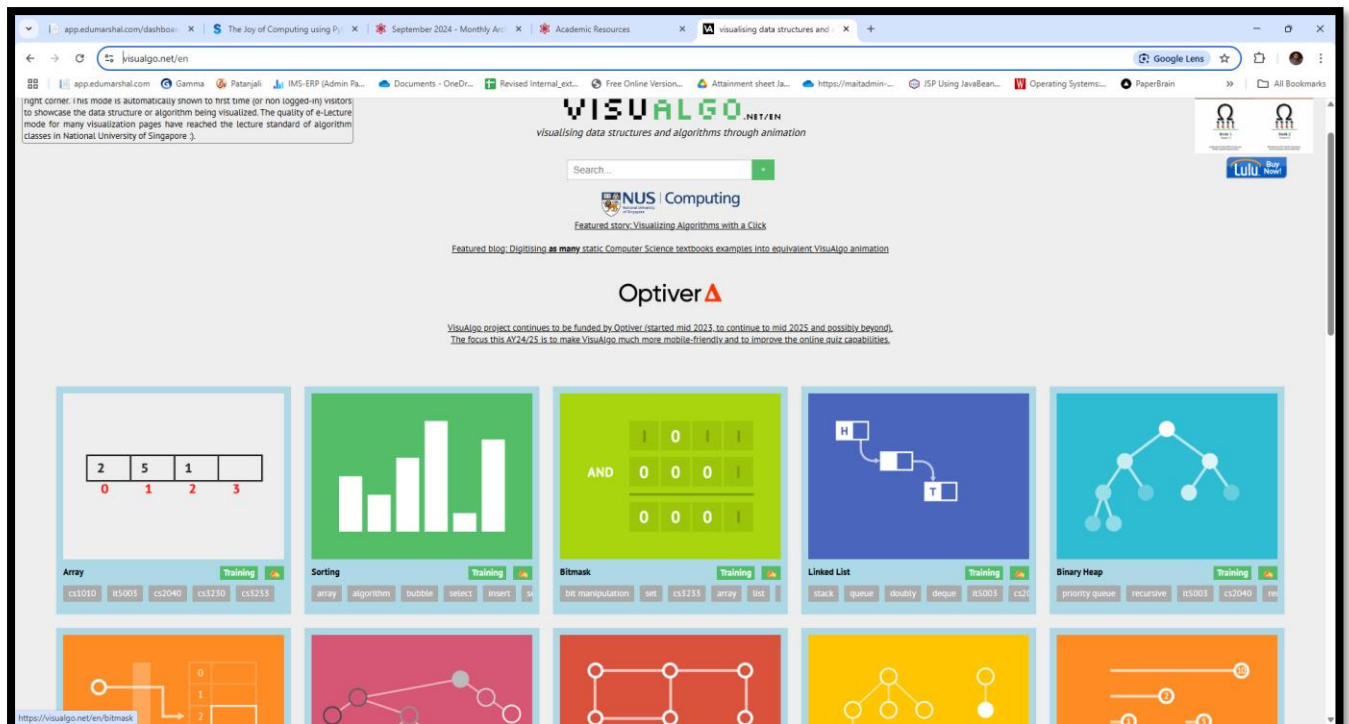
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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 Review.

OOPS
Crossword Puzzle

DOWN

- The class members declared as _____ can be accessed only by the member functions inside the class
- A _____ is a collection of statements that perform some specific task and return the result to the caller.
- 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.
- In _____ polymorphism, the compiler resolves the object at run time, and then it decides which function call should be associated with that object.
- The class _____ is surrounded by braces, { }.

ACROSS

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

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

up it up

A+
10/10
Karuna

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

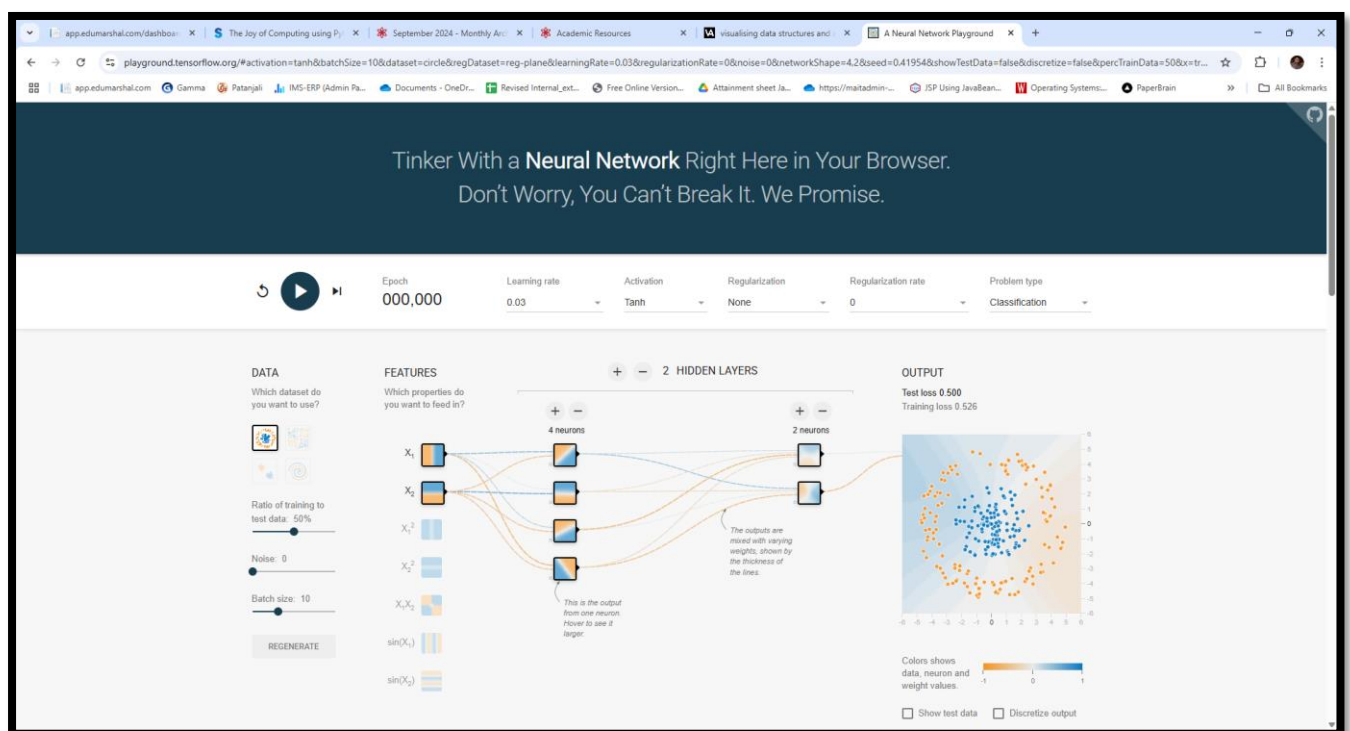
MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

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/>



MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

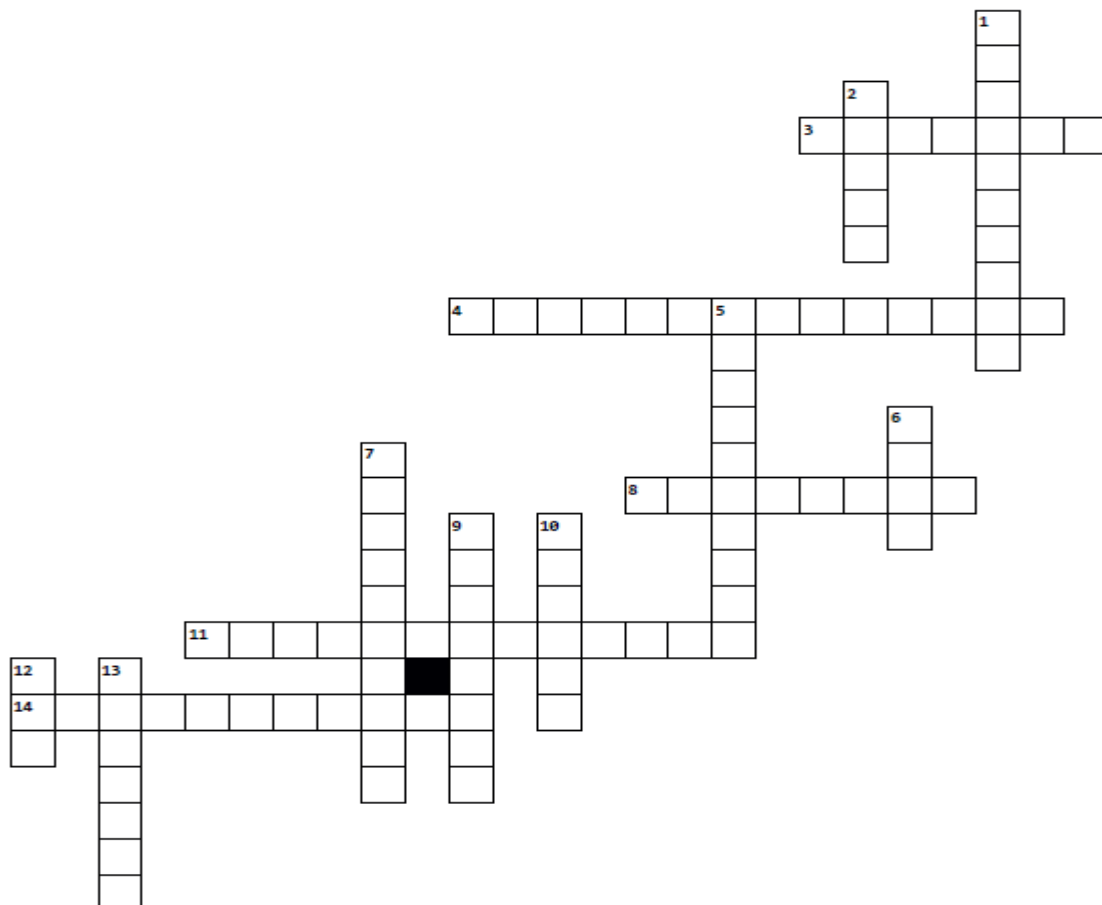
MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

Faculty Name: Dr. Ruchi Goel

Subject Name: CIE-405T Data Science

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

Data Science Crossword Puzzle 1



Across

- 3. Process of training a model multiple times to improve accuracy
- 4. Common technique to prevent overfitting
- 8. Difference between predicted and actual values
- 11. Term for scaling features to a range between 0 and 1
- 14. Method used for feature selection

Down

- 1. Practice of splitting data into training and testing sets
- 2. Regularization technique that adds absolute values of coefficients to the cost function
- 5. Algorithm used for making predictions
- 6. Measure of a model's ability to generalize to new data
- 7. Technique is used to fill missing values in a dataset

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

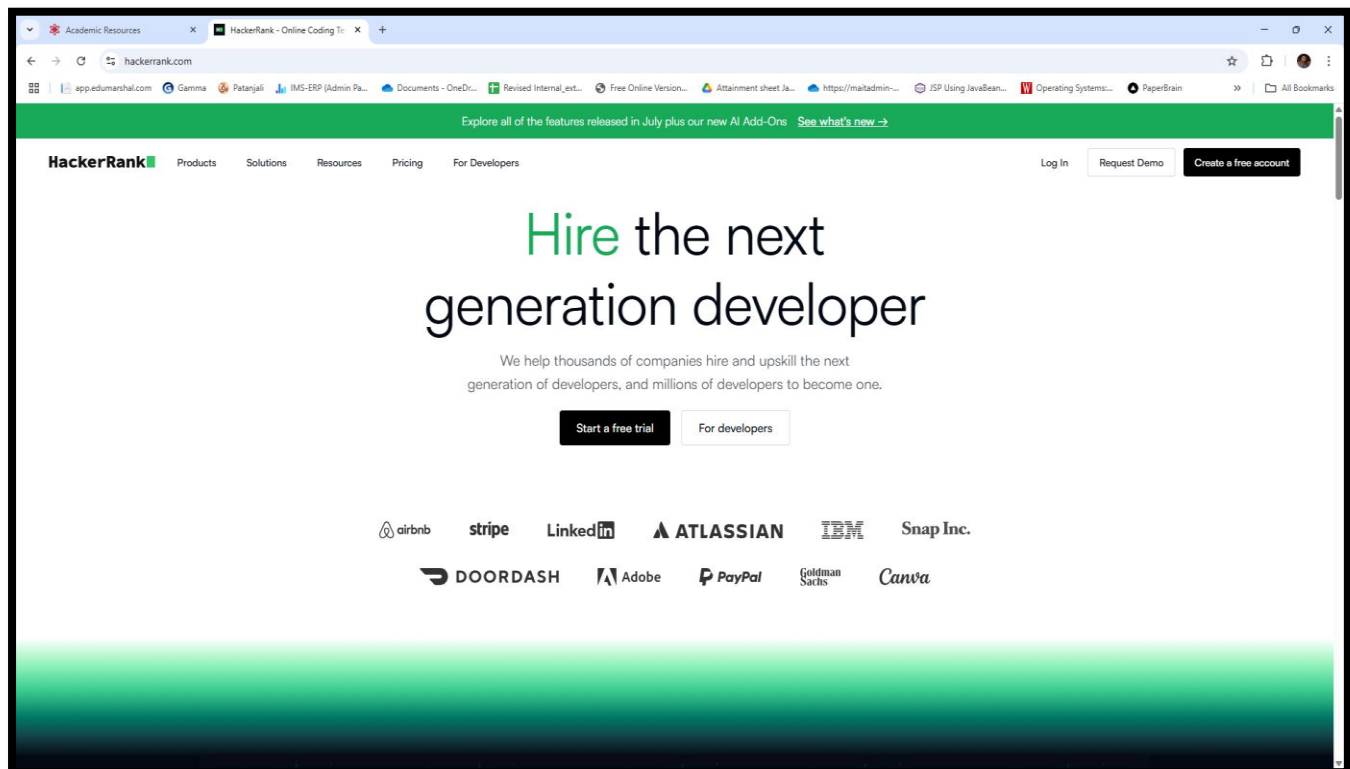
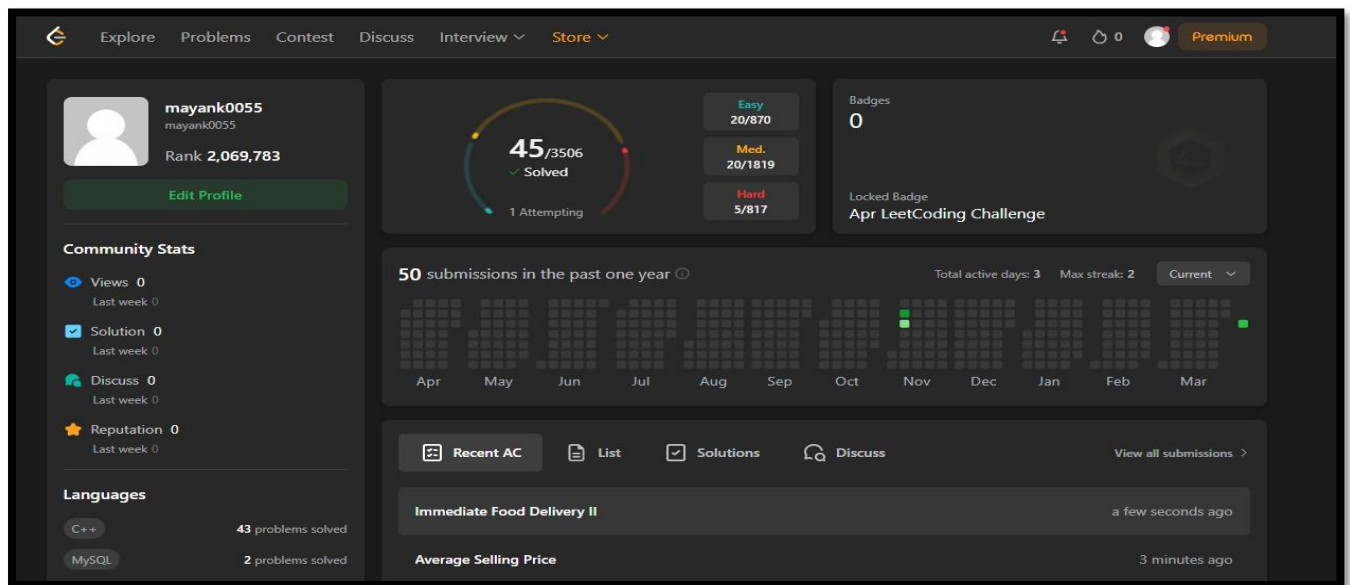
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MODE OF DELIVERY/INSTRUCTIONAL METHODS AND PEDAGOGICAL INITIATIVES RECORD

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

Subject Name: CIC-210 DBMS

Pedagogical Tool/ Instructional Method: Leetcode, HackerRank



MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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

