MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution –UGC, Govt.of India)

(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade - ISO 9001:2015 Certified)Maisammaguda,Dhulapally, Komaplly,Secunderabad–500100, TelanganaState, India.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Name of the Activity: MOODLE
Subject Name: JAVA, OS
Participants: II CSE

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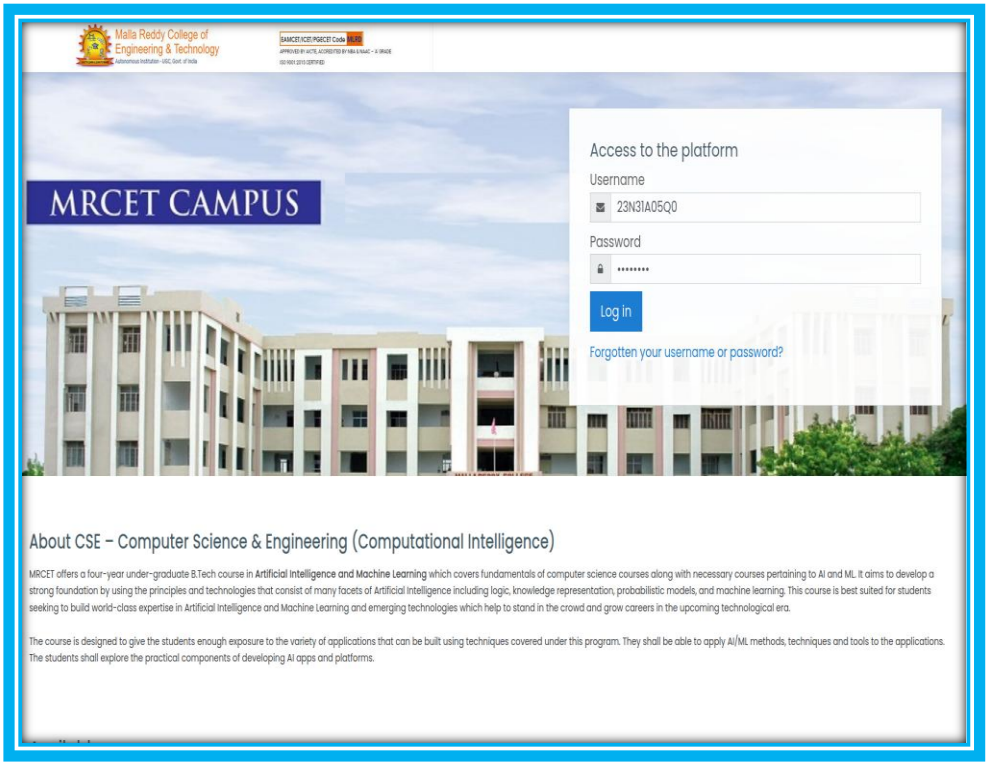
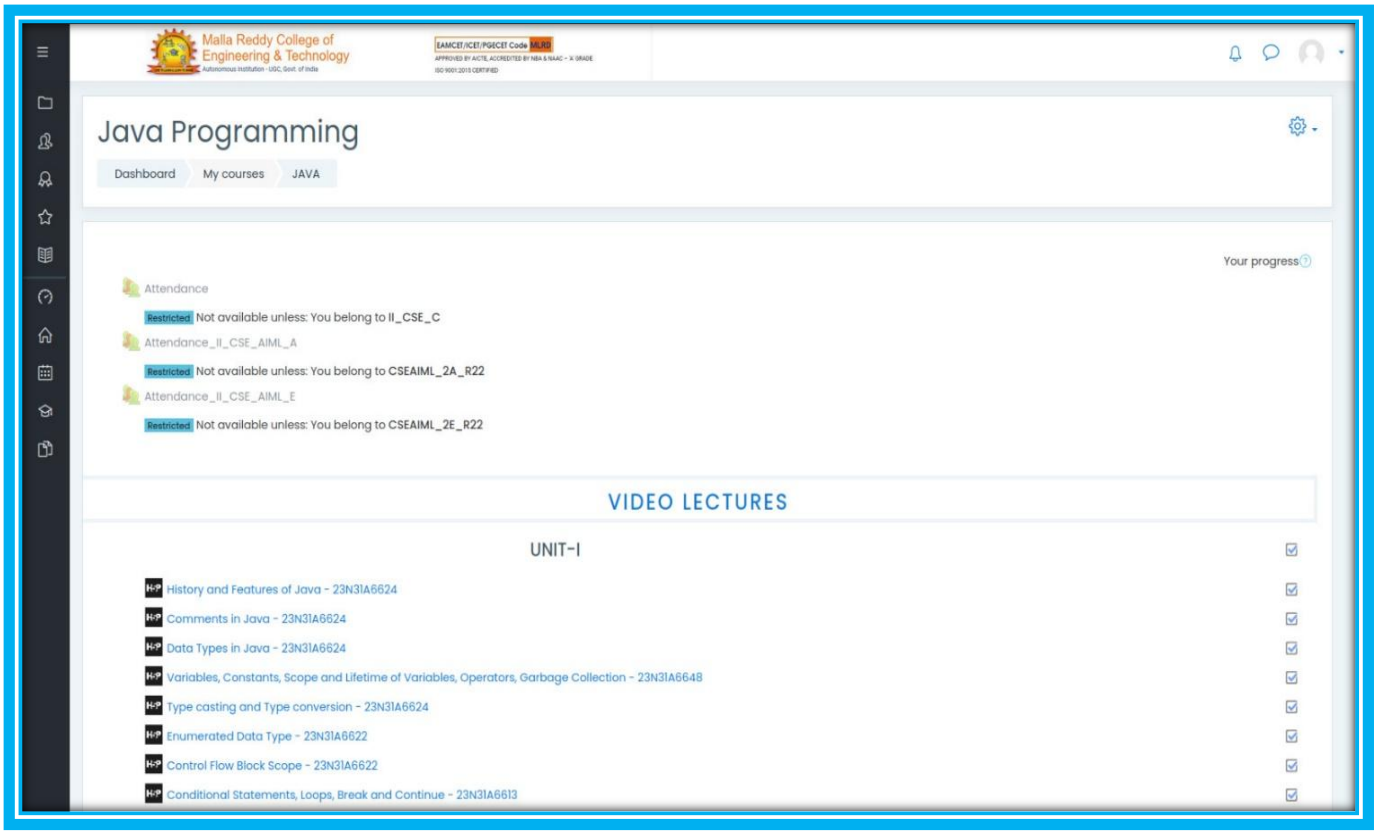


JAVA PROGRAMMING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Java Programming
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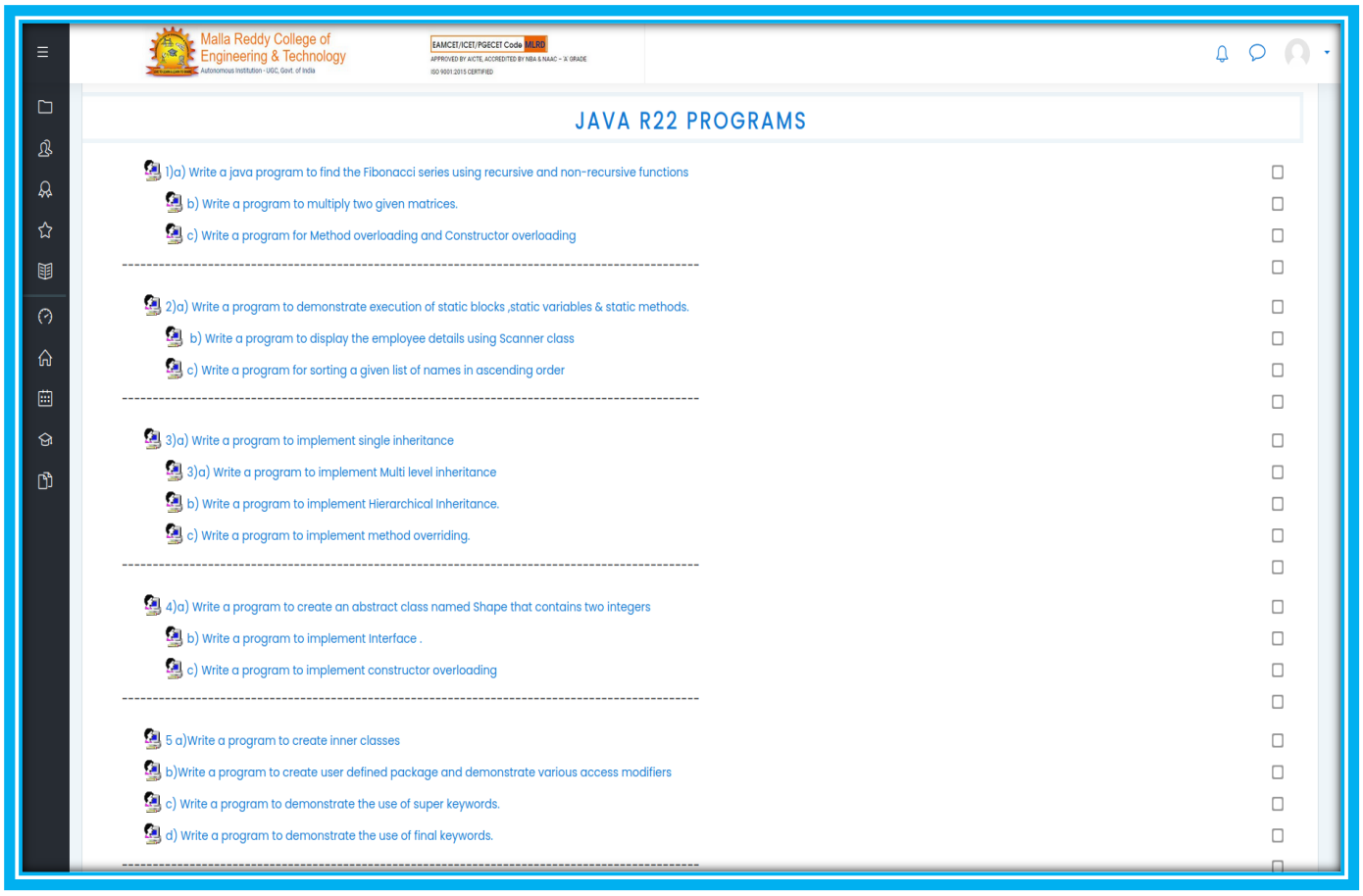
Your progress
Attendance
Restricted Not available unless: You belong to II_CSE_C
Attendance_II_CSE_AIML_A
Restricted Not available unless: You belong to CSEAIML_2A_R22
Attendance_II_CSE_AIML_E
Restricted Not available unless: You belong to CSEAIML_2E_R22
VIDEO LECTURES
UNIT-I
History and Features of Java - 23N31A6624
Comments in Java - 23N31A6624
Data Types in Java - 23N31A6624
Variables, Constants, Scope and Lifetime of Variables, Operators, Garbage Collection - 23N31A6648
Type casting and Type conversion - 23N31A6624
Enumerated Data Type - 23N31A6622
Control Flow Block Scope - 23N31A6622
Conditional Statements, Loops, Break and Continue - 23N31A6613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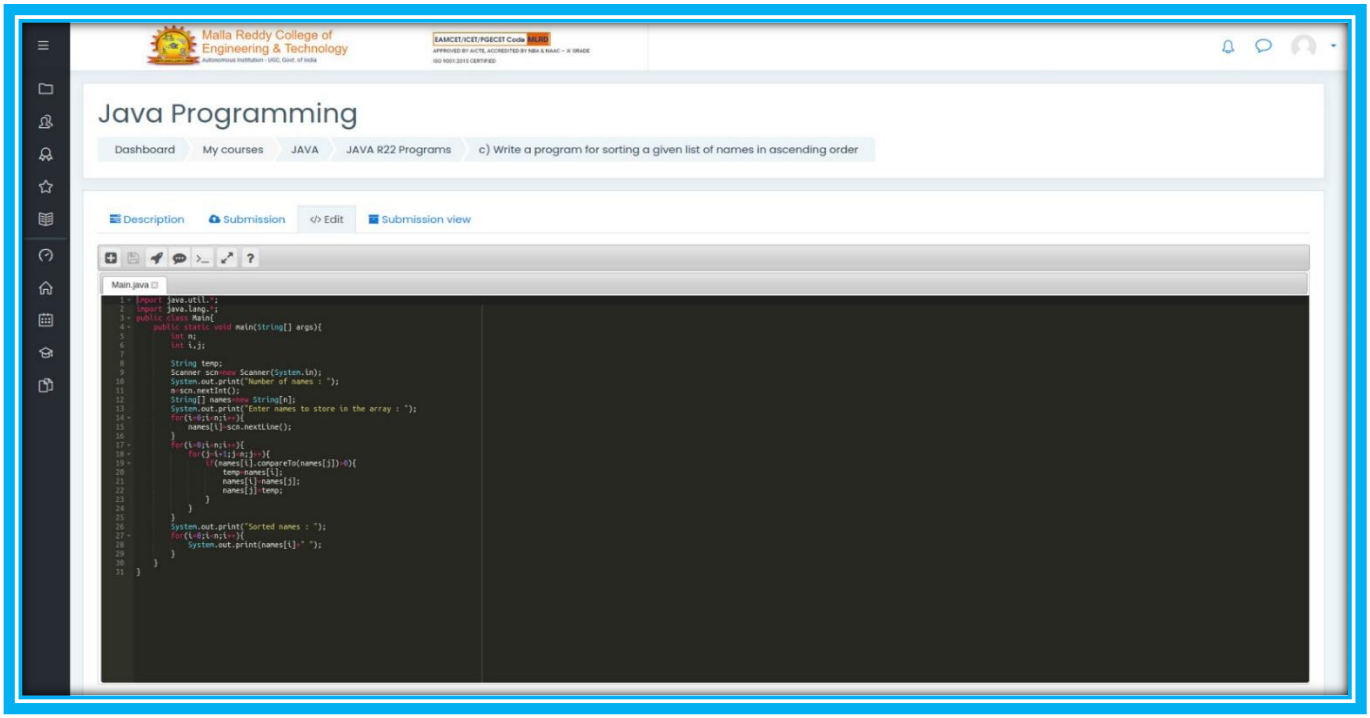
JAVA R22 PROGRAMS
1)a) Write a java program to find the Fibonacci series using recursive and non-recursive functions
b) Write a program to multiply two given matrices.
c) Write a program for Method overloading and Constructor overloading
2)a) Write a program to demonstrate execution of static blocks ,static variables & static methods.
b) Write a program to display the employee details using Scanner class
c) Write a program for sorting a given list of names in ascending order
3)a) Write a program to implement single inheritance
3)a) Write a program to implement Multi level inheritance
b) Write a program to implement Hierarchical Inheritance.
c) Write a program to implement method overriding.
4)a) Write a program to create an abstract class named Shape that contains two integers
b) Write a program to implement Interface .
c) Write a program to implement constructor overloading
5 a)Write a program to create inner classes
b)Write a program to create user defined package and demonstrate various access modifiers
c) Write a program to demonstrate the use of super keywords.
d) Write a program to demonstrate the use of final keywords.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Java Programming
Dashboard
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JAVA
JAVA R22 Programs
c) Write a program for sorting a given list of names in ascending order
Description
Submission
Edit
Submission view
Main.java
import java.util.*;
import java.lang.*;
public class Main{
public static void main(String[] args){
int n;
int i,j;
String temp;
Scanner scn=new Scanner(System.in);
System.out.print("Number of names : ");
n=scn.nextInt();
String[] names=new String[n];
System.out.print("Enter names to store in the array : ");
for(i=0;i<n;i++){
names[i]=scn.nextLine();
}
for(i=0;i<n;i++){
for(j=i+1;j<n;j++){
if(names[i].compareTo(names[j])>0){
temp=names[i];
names[i]=names[j];
names[j]=temp;
}
}
}
System.out.print("Sorted names : ");
for(i=0;i<n;i++){
System.out.print(names[i]+" ");
}
}
}

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Description | Submissions list | Similarity | Test activity

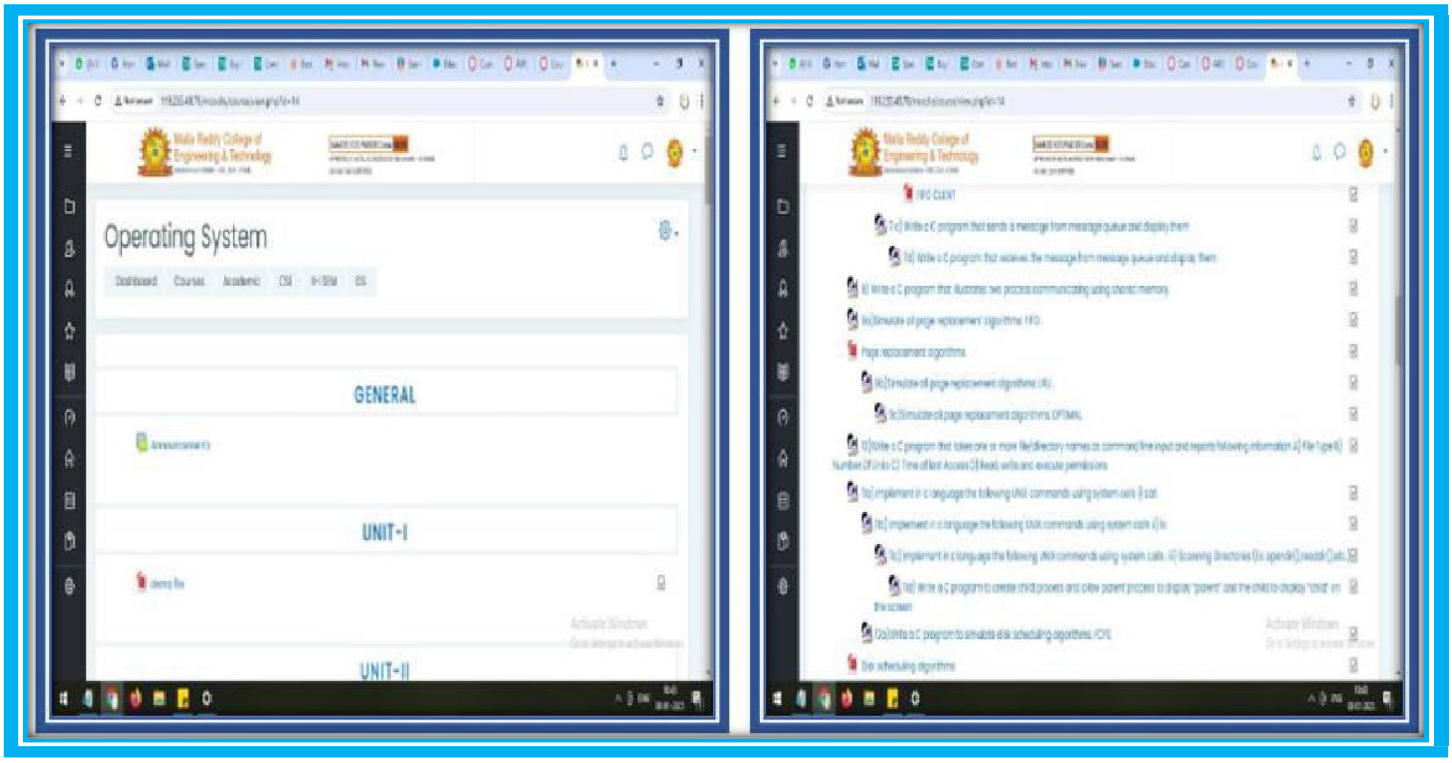
Separate groups: CSE_2C_R22

Submission selection: All submissions

Evaluate: Choose...

		First name / Surname	Submitted on	Submissions	Grade	Evaluator	Evaluated on
1		GOVIND VAMSHI KRISHNA 23N31A05D9	Saturday, 1 February 2025, 2:14 PM	2	9.00 / 10.00	Durgha C.S N	Tuesday, 25 February 2025, 9:44 AM
2		Gumparlapati Rajesh 23N31A05E2	Saturday, 1 February 2025, 2:06 PM	1	9.00 / 10.00	Durgha C.S N	Tuesday, 25 February 2025, 9:44 AM
3		Gunrati Nikitha 23N31A05E6	Sunday, 23 February 2025, 6:09 PM	1	8.50 / 10.00	Durgha C.S N	Tuesday, 25 February 2025, 9:44 AM
4		Heena Sultana 23N31A05E9	Saturday, 1 February 2025, 2:23 PM	1	8.50 / 10.00	Durgha C.S N	Tuesday, 25 February 2025, 9:44 AM
5		Parikirala Jai prakash 23N31A05F1	Saturday, 1 February 2025, 2:24 PM	2	8.50 / 10.00	Durgha C.S N	Tuesday, 25 February 2025, 9:43 AM
6		JAKKULA Abhinav krishna 23N31A05F2	Saturday, 1 February 2025, 2:22 PM	2	9.00 / 10.00	Durgha C.S N	Tuesday, 25 February 2025, 9:43 AM
7		Jalaram Chowdhary 23N31A05F3	Saturday, 1 February 2025, 2:22 PM	1	10.00 / 10.00	Durgha C.S N	Tuesday, 25 February 2025, 9:43 AM
8		Uday Shankar Reddy Kakanuru 23N31A05G8	Saturday, 8 February 2025, 2:04 PM	1	10.00 / 10.00	Durgha C.S N	Tuesday, 25 February 2025, 9:43 AM
9		KALASH BARSAGADE 23N31A05H0	Saturday, 1 February 2025, 3:07 PM	3	10.00 / 10.00	Durgha C.S N	Tuesday, 25 February 2025, 9:43 AM

OPERATING SYSTEMS



Operating System 3b) Simulate the following CPU scheduling algorithms: SJF - Google Chrome

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0.42 hours

Submitted on Tuesday, 3 January 2023, 9:57 PM (Download) (Evaluate)

sjf.c

```c
#include<stdio.h>
int main()
{
    int p[20],bt[20],wt[20],tat[20],i,k,n,temp;
    float wtavg,tatavg;
    printf(" Enter the number of processes--");
    scanf("%d",&n);
    for(i=0;i<n;i++)
    {
        p[i]=i;
        printf(" Enter Burst Time for the Process %d--",i);
        scanf("%d",&bt[i]);
    }
    for(i=0;i<n;i++) for(k=i+1;k<n;k++)
    if(bt[i]>bt[k])
    {
        temp=bt[i];
        bt[i]=bt[k];
        bt[k]=temp;
        temp=p[i];
        p[i]=p[k];
        p[k]=temp;
    }
    wt[0]=wtavg=0;
    tat[0]=tatavg=bt[0];
    for(i=1;i<n;i++)
    {
        wt[i]=wt[i-1]+bt[i-1];
        tat[i]=tat[i-1]+bt[i];
        wtavg=wtavg+wt[i];
        tatavg=tatavg+tat[i];
    }
    printf("\n \t PROCESS \t BURST TIME\t WAITING TIME \t TURNAROUND TIME \n");
    for(i=0;i<n;i++)
    {
        printf("\n \t\t\t %d \t\t %d \t\t %d",p[i],bt[i],wt[i],tat[i]);
        printf("\n Average waiting time --%f",wtavg /n);
        printf("\n Average Turnaround time--%f",tatavg/n);
    }
```

Activate Windows
Go to Settings to activate Windows.

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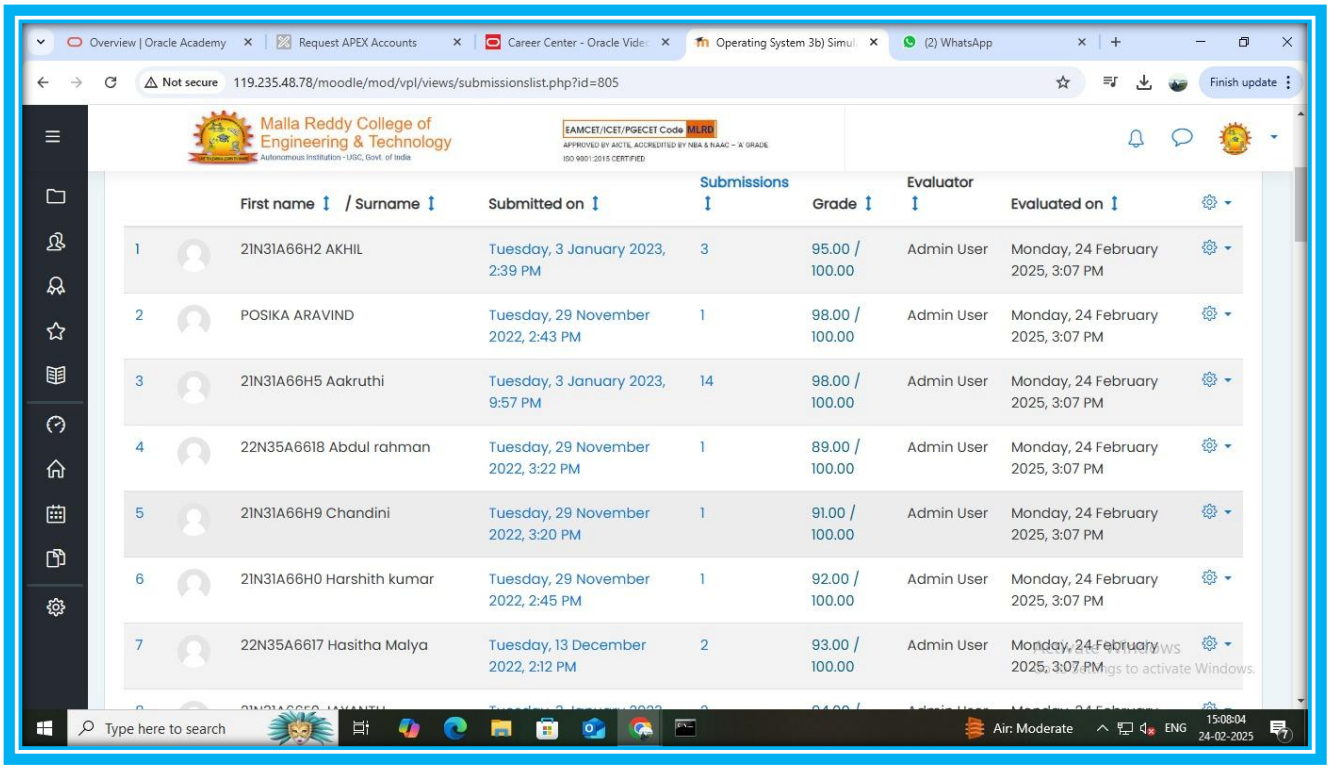
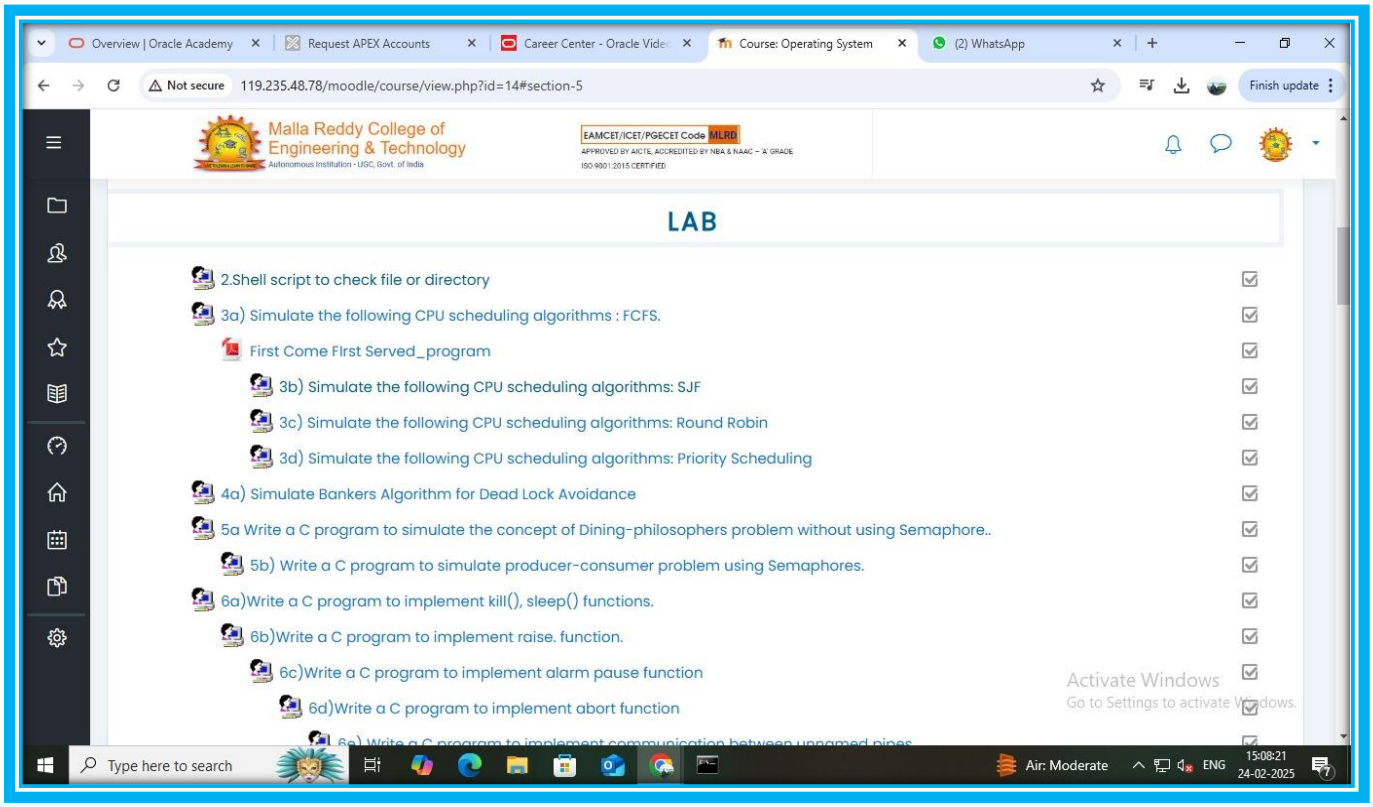


		First name / Surname	Submitted on	Submissions	Grade	Evaluator	Evaluated on	
1		21N31A66H2 AKHIL	Tuesday, 3 January 2023, 2:39 PM	3	95.00 / 100.00	Admin User	Monday, 24 February 2025, 3:07 PM	
2		POSIKA ARAVIND	Tuesday, 29 November 2022, 2:43 PM	1	98.00 / 100.00	Admin User	Monday, 24 February 2025, 3:07 PM	
3		21N31A66H5 Aakruthi	Tuesday, 3 January 2023, 9:57 PM	14	98.00 / 100.00	Admin User	Monday, 24 February 2025, 3:07 PM	
4		22N35A6618 Abdul rahman	Tuesday, 29 November 2022, 3:22 PM	1	89.00 / 100.00	Admin User	Monday, 24 February 2025, 3:07 PM	
5		21N31A66H9 Chandini	Tuesday, 29 November 2022, 3:20 PM	1	91.00 / 100.00	Admin User	Monday, 24 February 2025, 3:07 PM	
6		21N31A66H0 Harshith kumar	Tuesday, 29 November 2022, 2:45 PM	1	92.00 / 100.00	Admin User	Monday, 24 February 2025, 3:07 PM	
7		22N35A6617 Hasitha Malya	Tuesday, 13 December 2022, 2:12 PM	2	93.00 / 100.00	Admin User	Monday, 24 February 2025, 3:07 PM	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Course: Operating System
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LAB
2.Shell script to check file or directory
3a) Simulate the following CPU scheduling algorithms : FCFS.
First Come FIrst Served_program
3b) Simulate the following CPU scheduling algorithms: SJF
3c) Simulate the following CPU scheduling algorithms: Round Robin
3d) Simulate the following CPU scheduling algorithms: Priority Scheduling
4a) Simulate Bankers Algorithm for Dead Lock Avoidance
5a Write a C program to simulate the concept of Dining-philosophers problem without using Semaphore..
5b) Write a C program to simulate producer-consumer problem using Semaphores.
6a)Write a C program to implement kill(), sleep() functions.
6b)Write a C program to implement raise. function.
6c)Write a C program to implement alarm pause function
6d)Write a C program to implement abort function
Activate Windows
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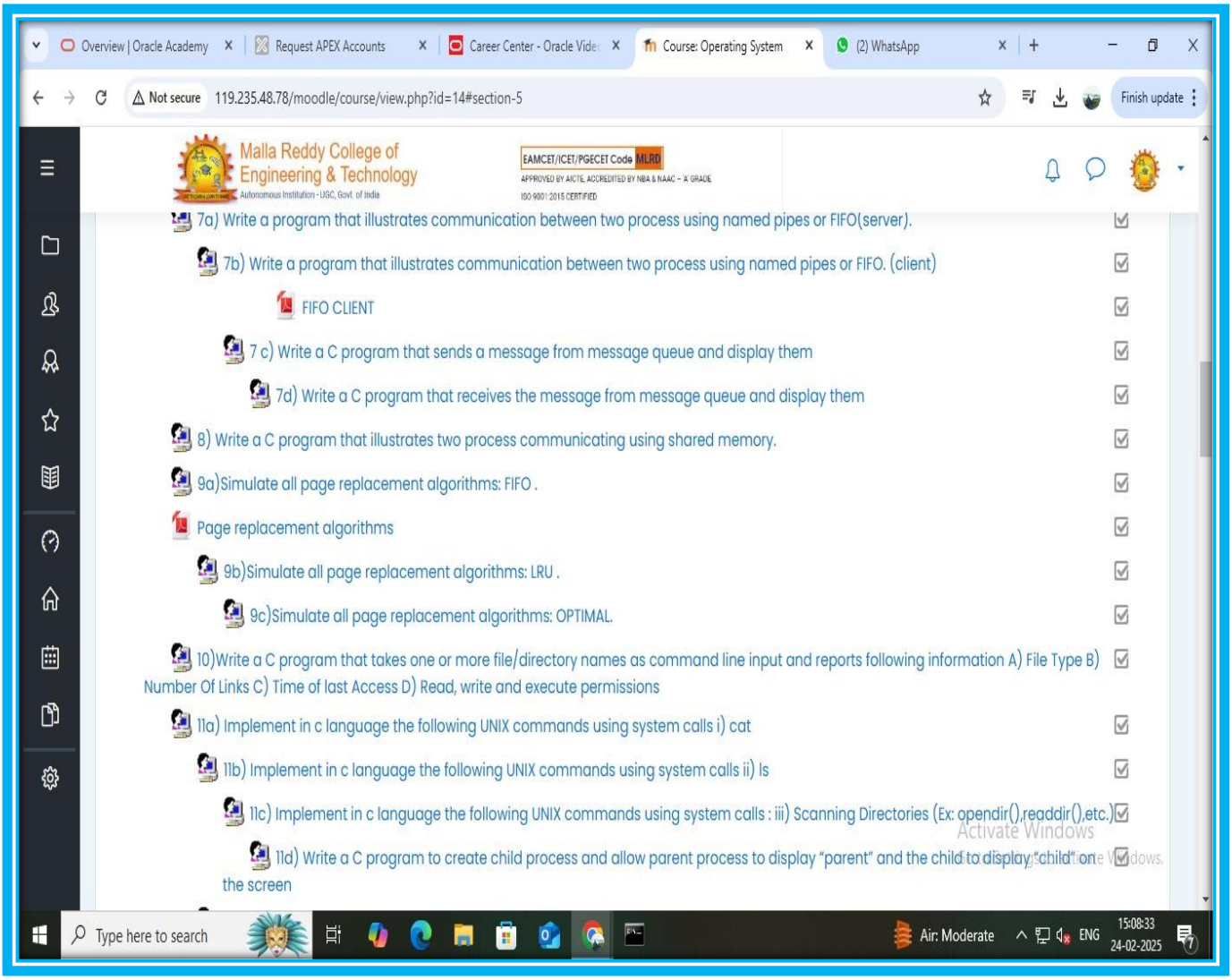
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7a) Write a program that illustrates communication between two process using named pipes or FIFO(server).
7b) Write a program that illustrates communication between two process using named pipes or FIFO. (client)
FIFO CLIENT
7 c) Write a C program that sends a message from message queue and display them
7d) Write a C program that receives the message from message queue and display them
8) Write a C program that illustrates two process communicating using shared memory.
9a)Simulate all page replacement algorithms: FIFO .
Page replacement algorithms
9b)Simulate all page replacement algorithms: LRU .
9c)Simulate all page replacement algorithms: OPTIMAL.
10)Write a C program that takes one or more file/directory names as command line input and reports following information A) File Type B) Number Of Links C) Time of last Access D) Read, write and execute permissions
11a) Implement in c language the following UNIX commands using system calls i) cat
11b) Implement in c language the following UNIX commands using system calls ii) ls
11c) Implement in c language the following UNIX commands using system calls : iii) Scanning Directories (Ex: opendir(),readdir(),etc.)
11d) Write a C program to create child process and allow parent process to display "parent" and the child to display "child" on the screen
Activate Windows
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Type here to search
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ENG
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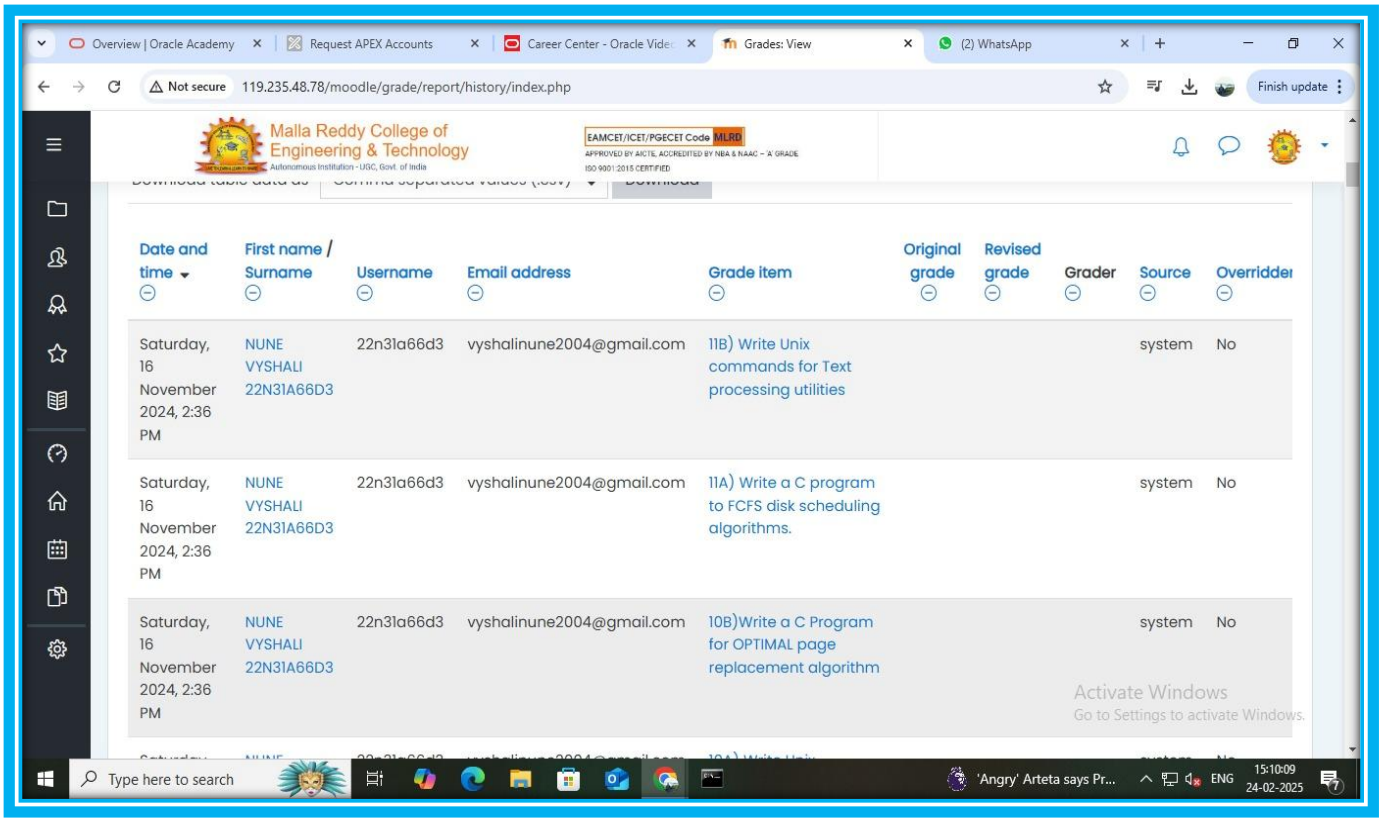
24-02-2025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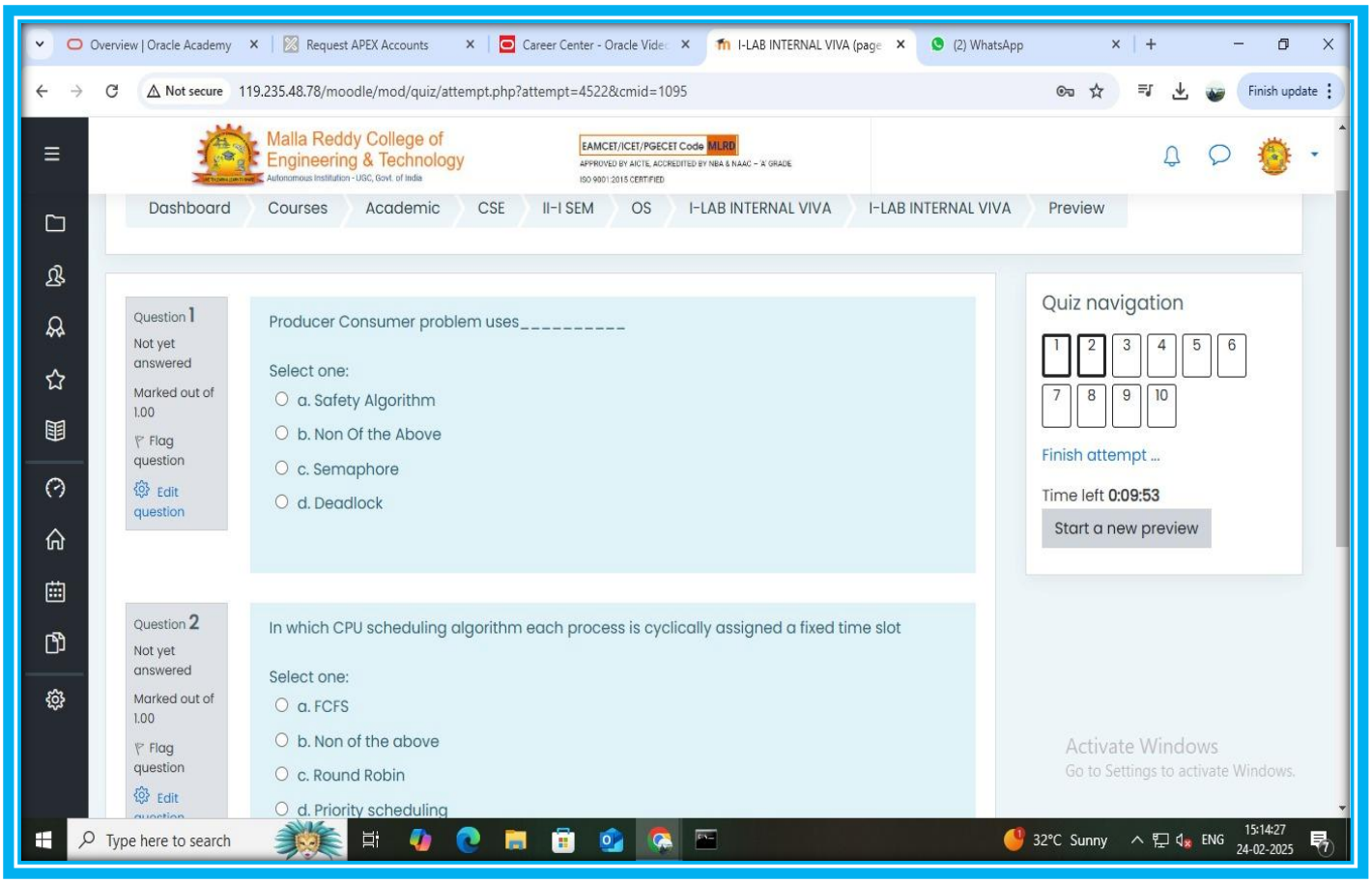
Date and time
First name / Surname
Username
Email address
Grade item
Original grade
Revised grade
Grader
Source
Overridden
Saturday, 16 November 2024, 2:36 PM
NUNE VYSHALI 22N31A66D3
22n31a66d3
vyshalinune2004@gmail.com
11B) Write Unix commands for Text processing utilities
system
No
Saturday, 16 November 2024, 2:36 PM
NUNE VYSHALI 22N31A66D3
22n31a66d3
vyshalinune2004@gmail.com
11A) Write a C program to FCFS disk scheduling algorithms.
system
No
Saturday, 16 November 2024, 2:36 PM
NUNE VYSHALI 22N31A66D3
22n31a66d3
vyshalinune2004@gmail.com
10B)Write a C Program for OPTIMAL page replacement algorithm
system
No
Activate Windows
Go to Settings to activate Windows.
Type here to search
'Angry' Arteta says Pr...
ENG
15:10:09
24-02-2025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I-LAB INTERNAL VIVA (page
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Courses
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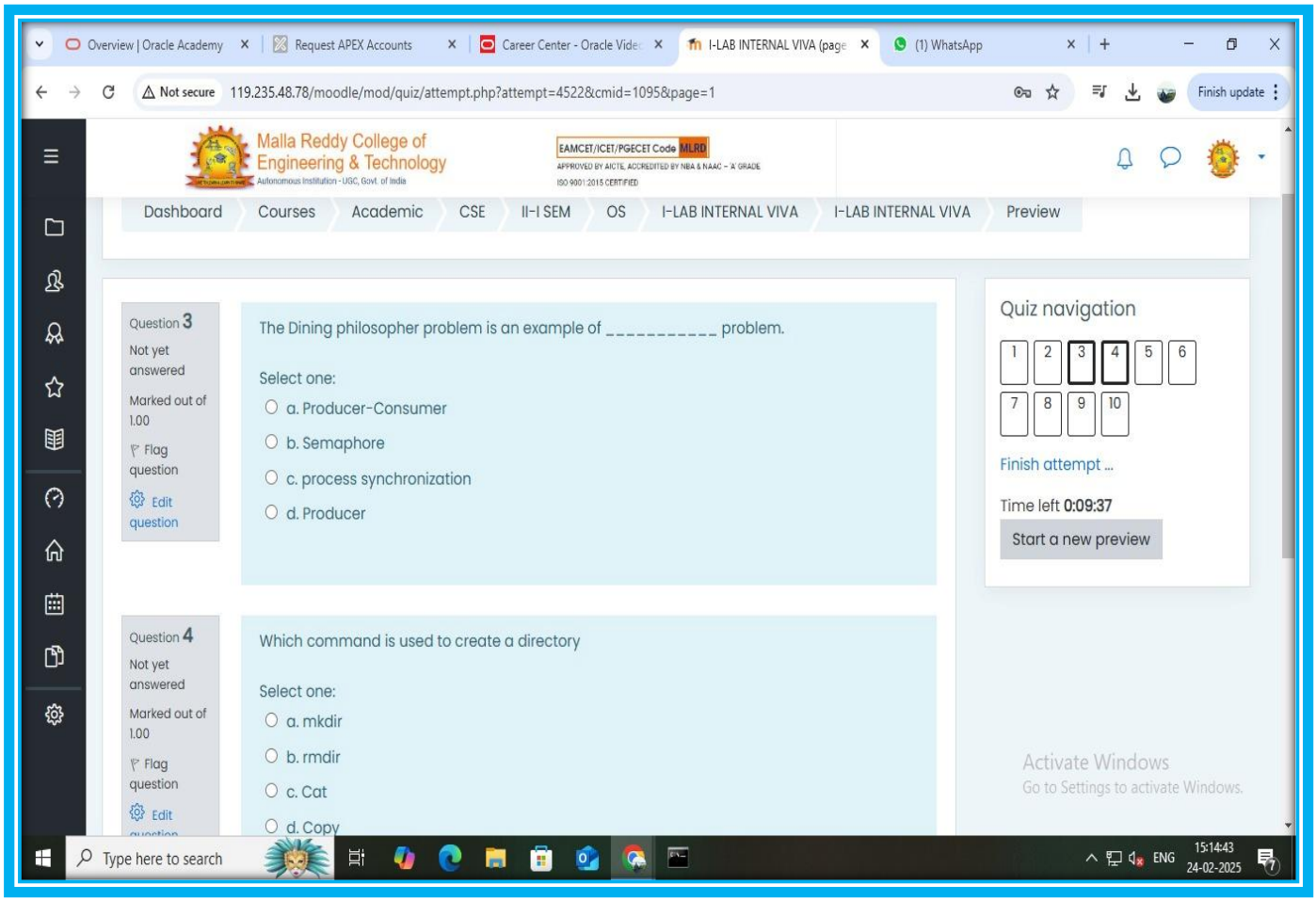
II-I SEM
OS
I-LAB INTERNAL VIVA
I-LAB INTERNAL VIVA
Preview
Question 1
Not yet answered
Marked out of 1.00
Flag question
Edit question
Producer Consumer problem uses_____
Select one:
a. Safety Algorithm
b. Non Of the Above
c. Semaphore
d. Deadlock
Question 2
Not yet answered
Marked out of 1.00
Flag question
Edit question
In which CPU scheduling algorithm each process is cyclically assigned a fixed time slot
Select one:
a. FCFS
b. Non of the above
c. Round Robin
d. Priority scheduling
Quiz navigation
1 2 3 4 5 6
7 8 9 10
Finish attempt ...
Time left 0:09:53
Start a new preview
Activate Windows
Go to Settings to activate Windows.
Type here to search
32°C Sunny
ENG
15:14:27
24-02-2025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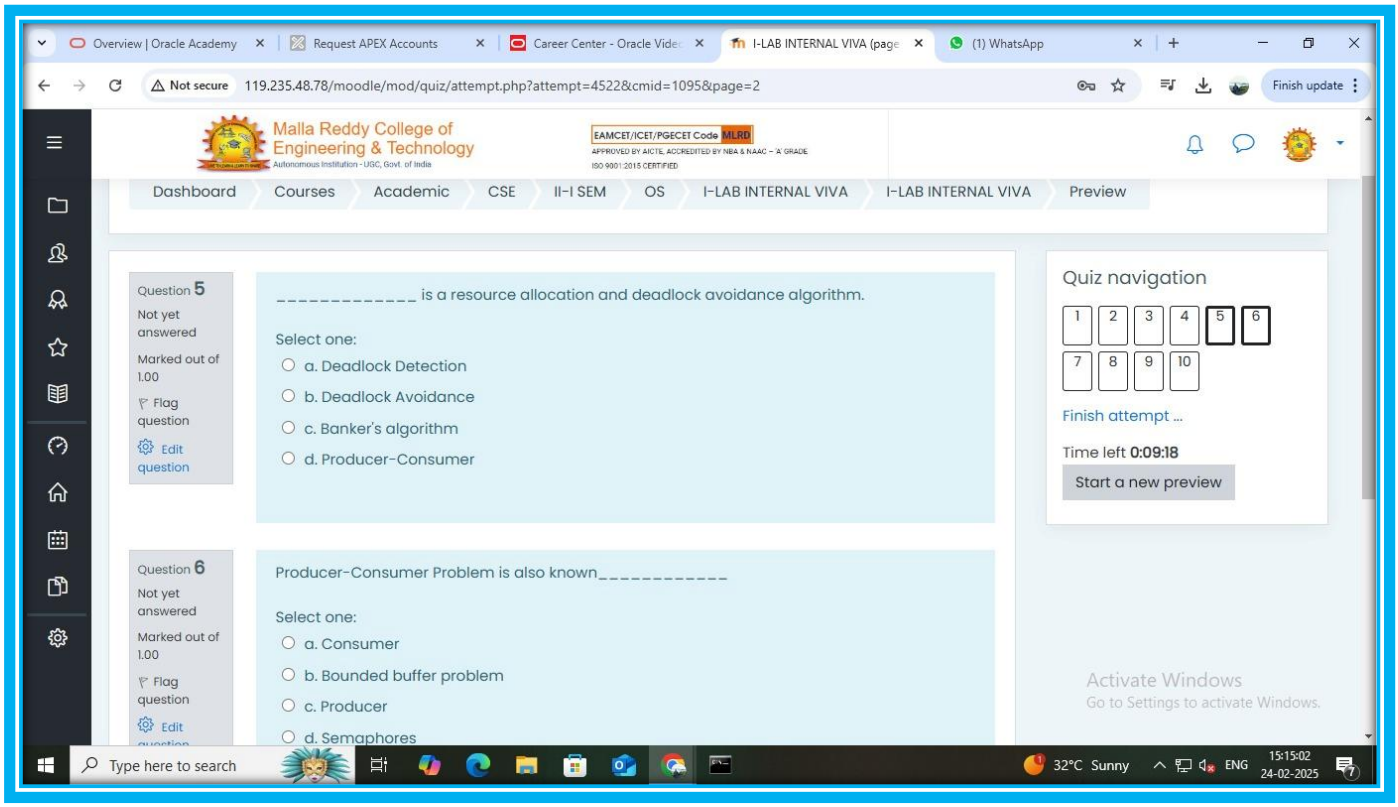
CSE
II-I SEM
OS
I-LAB INTERNAL VIVA
I-LAB INTERNAL VIVA
Preview
Question 3
Not yet answered
Marked out of 1.00
Flag question
Edit question
The Dining philosopher problem is an example of _____ problem.
Select one:
a. Producer-Consumer
b. Semaphore
c. process synchronization
d. Producer
Question 4
Not yet answered
Marked out of 1.00
Flag question
Edit question
Which command is used to create a directory
Select one:
a. mkdir
b. rmdir
c. Cat
d. Copy
Quiz navigation
1 2 3 4 5 6
7 8 9 10
Finish attempt ...
Time left 0:09:37
Start a new preview
Activate Windows
Go to Settings to activate Windows.
Type here to search
ENG
15:14:43
24-02-2025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I-LAB INTERNAL VIVA
Preview
Question 5
Not yet answered
Marked out of 1.00
Flag question
Edit question
_____ is a resource allocation and deadlock avoidance algorithm.
Select one:
a. Deadlock Detection
b. Deadlock Avoidance
c. Banker's algorithm
d. Producer-Consumer
Question 6
Not yet answered
Marked out of 1.00
Flag question
Edit question
Producer-Consumer Problem is also known_____
Select one:
a. Consumer
b. Bounded buffer problem
c. Producer
d. Semaphores
Quiz navigation
1 2 3 4 5 6
7 8 9 10
Finish attempt ...
Time left 0:09:18
Start a new preview
Activate Windows
Go to Settings to activate Windows.
Type here to search
32°C Sunny
ENG
15:15:02
24-02-2025