

ADD ON COURSE
ON
WEB DEVELOPMENT
(FOR 3RD SEMESTER STUDENTS)
ACADEMIC YEAR: 2023-2024

To,
The Principal,
AIT, Chikmagaluru.

From,
HOD
Dept. of Computer Science and Engineering
AIT, Chikmagaluru

Subject: Requesting to conduct Add-on course on Web development.

Respected sir,

With respect to above subject, we Dept. of Computer Science and Engineering are planning to conduct **add-on course on web development** from 29/04/2024 to 9/05/2024 for 4th semester students, kindly do the needful.

Thanking you

Amount depositing 134 students X 450 Rs. = 60,300 = 100

Date: 25/04/24

Place: Chikmagaluru

Yours faithfully



permitted
2000
25/04/2024

Rs 450/student
2000

A/ permitted ~~2000~~ towards
Add-on course
CSE

2000
23/05/24

Spent
with
Receipt

ADD ON COURSE 3rd Semester students HTML & CSS Syllabus

Day 1: Introduction to HTML

- **Topics:**
 - What is HTML?
 - Structure of an HTML document
 - HTML elements, tags, and attributes
 - Basic tags: <html>, <head>, <body>, <h1>, <p>, <a>
- **Key Concepts:**
 - The purpose of HTML in web development
 - Document structure
- **Exercise:**
 - Create a basic HTML page with a title and a few paragraphs of text.

Day 2: HTML Structure & Semantic Tags

- **Topics:**
 - Headings: <h1> to <h6>
 - Paragraphs: <p>
 - Lists: , ,
 - Links:
 - Images:
 - Divs and Spans: <div>,
- **Key Concepts:**
 - Organizing content using lists and headings
 - Adding images and hyperlinks
 - Understanding inline vs block-level elements
- **Exercise:**
 - Create a webpage with headings, an image, a link, and a list of items.

Day 3: Introduction to CSS

- **Topics:**
 - What is CSS?
 - Inline, internal, and external CSS
 - CSS syntax: selectors, properties, and values
 - Color properties: color, background-color
 - Basic text styling: font-family, font-size, text-align
- **Key Concepts:**
 - How CSS styles the HTML elements
 - Different ways to include CSS in a webpage
- **Exercise:**
 - Style the webpage from Day 2 using CSS (e.g., change text color, background, and font styles).

Day 4: CSS Box Model

- **Topics:**
 - The Box Model concept: content, padding, border, margin
 - Setting width and height
 - Border properties
 - Box-sizing property
- **Key Concepts:**
 - How elements are structured and sized in the browser
 - Spacing and borders
- **Exercise:**
 - Create a layout using multiple boxes with borders, padding, and margins.

Day 5: CSS Positioning

- **Topics:**
 - Static, relative, absolute, and fixed positioning
 - position property and top, right, bottom, left
 - Z-index property
- **Key Concepts:**
 - How to place elements on the page using different positioning techniques
 - Stacking order with z-index
- **Exercise:**
 - Create a layout with a fixed header and a sidebar using different positioning techniques.

Day 6: Flexbox Basics and JS Basics

- **Topics:**
 - Introduction to Flexbox
 - display: flex
 - justify-content, align-items, flex-direction
 - Flexbox properties: flex-wrap, flex-grow, flex-shrink
- **Key Concepts:**
 - How to align and distribute space within a container using Flexbox
 - Creating responsive layouts
- **Exercise:**
 - Build a responsive navigation bar using Flexbox.

JavaScript Basics

1. **Variables & Data Types:**
 - Learn to declare variables using `var`, `let`, and `const`.
 - Understand different data types: Strings, Numbers, Booleans, Arrays, and Objects.
2. **Operators & Control Flow:**
 - Master arithmetic and comparison operators (`+`, `-`, `=`, `==`, `>`).
 - Use `if`, `else`, and `switch` for decision-making logic.
3. **Functions & Events:**

- Define and call functions, passing arguments and returning values.
- Handle user interactions like clicks using event listeners (e.g., `addEventListener()`)

Day 7: Building a Simple Web Project

Topics:

- **Project Overview:**
 - Introduction to building a small, interactive web project that integrates HTML, CSS.
 - Understanding how to structure a simple web page with interactive elements.
- **Basic Web Project Structure:**
 - HTML for structure and content.
 - CSS for styling (layout, colors, fonts).
 - JavaScript for interactivity (functions, events).

Project Requirements:

- **Objective:** Build a basic interactive portfolio or personal webpage.
 - Include sections like **About Me**, **Projects**, and **Contact**.
 - Use HTML for creating the content.
 - Style the webpage using CSS (you can use Flexbox for layout).
 - Add a simple interactive feature using JavaScript (e.g., a button that displays an alert or changes content dynamically).

Key Concepts:

- Combining all HTML, CSS, and JavaScript learned so far into a small, functional project.
- Learning how to structure a webpage, style it, and add basic interactivity.

Optional Enhancements:

- Add animations or transitions using CSS (e.g., fade in text or smooth scrolling).
- Include a responsive layout (using media queries) to ensure the page adjusts on different screen sizes.

SI No	USN	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14
61	4A122CS128	Aashitha S	P	P	P	P	P	P	P	P	P	P	P	P	P	P
62	4A122CS130	Meghana	P	P	P	A	P	P	A	P	P	P	P	P	P	P
63	4A123CS407	Pavan H L	P	P	P	P	P	P	P	P	P	P	P	P	P	P
64	4A123CS404	K T Impana	P	P	P	P	P	P	P	P	P	P	P	P	P	P
65	4A123CS405	Karthik K M	P	P	P	P	P	P	P	P	P	P	P	P	P	P
66	4A123CS406	Keshav M M	P	P	P	P	P	P	P	P	P	P	P	P	P	P
67	4A123CS409	Rakesh G R	P	P	P	P	A	P	P	P	P	P	P	P	P	P
68	4A123CS403	Divya R	P	P	P	P	P	P	A	A	P	P	P	P	P	P
69	4A123CS400	Arjun Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of the HOD



WebVinyasa Tech Solutions,
Opp. To IDSG, Beekannahalli
Road, Chikmagalur 577102

MCQ Question on "Web Development" add-on course

Max Marks: 50

63	4A123CSA10	Revathi B C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
64	4A123CSA01	Chimmayi R	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P
65	4A123CSA08	Priyanka D B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
66	4A123CSA02	Deepika S K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of the HOD



37

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a) HTML describes the structure of a webpage
b) HTML is the standard markup language mainly used to create web pages
c) HTML consists of a set of elements that helps the browser how to view the content
d) All of the mentioned
2. What is the correct syntax of doctype in HTML5?
a) <doctype html>
b) <doctype html>
c) <doctype html>
d) <doctype html>
3. Which of the following is used to read an HTML page and render it?
a) Web server
b) Web network
c) Web browser
d) Web matrix
4. Which element is used to get highlighted text in HTML5?
a) <u>
b) <mark>
c) <highlight>
d) <u>
5. How do we write comments in HTML?
a) <!-- -->
b) <!-- -->
c) <!-- -->
d) <!-- -->
6. Which HTML tag is used to insert an image?
a)
b)
c)
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7. In HTML, which attribute is used to create a link that opens in a new window tab?
a) src="_blank"
b) alt="_blank"
c) target="_self"
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8. Which tag is used to create a dropdown in HTML Form?
a) <input>
b) <select>
c) <text>
d) <textarea>
9. Which tag is used to create a numbered list in HTML?
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10. How to create a checkbox in HTML Form?
a) <input type="text">
b) <input type="textarea">
c) <input type="checkbox">
d) <input type="radio">
11. Which of the following extension is used to save an HTML file?
a) .hl
b) .h
c) .htm
d) .html
12. Which HTML element is used to group inline elements and apply styles without affecting the document's structure?
a) <div>
b)
c) <section>
d) <header>
13. Which tag is used to create a blank line in HTML?
a)

b)

c)

d) <a />
14. Which HTML element is used for YouTube videos?
a) <samp>
b) <small>
c) <iframe>
d) <iframe>
15. Which tag is used to underline the text in HTML?
a) <p>
b) <u>
c) <u>
d) <u>
16. What is the use of <hr> tag in HTML?
a) For making content appearance italics
b) To create vertical rule between sections
c) To create a line break
d) To create horizontal rule between sections
17. Which HTML tag is used to convert the plain text into italic format?
a)
b) <p>
c) <i>
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18. The correct sequence of HTML tags for starting a webpage is -
a) HTML, Body, Title, Head
b) HTML, Head, Body, Title
c) HTML, Head, Title, Body
d) Head, Title, HTML, body
19. Which attribute defines the file-select field?
a) file
b) checkbox
c) button
d) text
20. Which element is used to create multi-line text input?
a) text
b) textarea
c) submit
d) radio button
21. Which method of applying CSS directly within HTML elements is generally not recommended due to poor maintainability?
a) inline Styling
b) Element Styling
c) Class Styling
d) ID Styling
22. Which CSS selector is used to apply styling to multiple HTML elements with the same Class name?
a) #
b) .
c) >
d) >
23. Which CSS property is used to create a border around an element?
a) border-style
b) border-color
c) border-width
d) border
24. What does the CSS property "display: flex;" do?
a) It makes the element invisible.
b) It arranges the element's children in a horizontal line.
c) It applies a gradient to the element's background.
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25. What is the correct way to link an external CSS file to an HTML document?
a) <style>stylesheet css</style>
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26. How can you center text using CSS?



WebVinyasa Tech Solutions,
Opp. To IDSG, Beekannahalli
Road, Chikmagalur 577102

MCQ Question on "Web Development" add-on course

Max Marks: 50

Duration: 1hr

Name & USN: Samy, C.V

Section: A

4A122CS090

35

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Road, Chikmagalur 577102

MCQ Question on "Web Development" add-on course

Max Marks: 50

Duration: 1hr

Name & USN: SAHANA GANESH SIDDU
HA122CS085

Section: A

30

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WEB VINYASA
TECH SOLUTIONS

WebVinyasa Tech Solutions,
Opp. To IDSG, Beekannahalli
Road, Chikmagalur 577102

"WebDevelopment" Course students Feedback

PLACE: AIT, CHIKMAGALRU

SECTION: A

DATE: 08-5-24

1. How satisfied are you with the overall structure and organization of the course material?
 - Very satisfied
 - Satisfied
 - Neutral
 - Dissatisfied
 - Very dissatisfied
2. Did the course meet your expectations in terms of content coverage and depth?
 - Exceeded expectations
 - Met expectations
 - Partially met expectations
 - Did not meet expectations
3. How would you rate the clarity and effectiveness of the instructional materials (e.g., lectures, slides, tutorials)?
 - Very clear and highly effective
 - Clear and effective
 - Somewhat clear and moderately effective
 - Unclear and ineffective
 - Very unclear and highly ineffective
4. Did you feel adequately supported by the instructor or teaching assistants throughout the course?
 - Yes, the support was excellent
 - Yes, the support was good
 - Neutral, the support was neither good nor bad
 - No, the support was inadequate
 - No, there was no support available
5. What suggestions do you have for improving the course content or delivery?

* Instructor's concept clarity is too good
* Suggestion: - Needed longer course duration
like 1 month.

6. Would you recommend this course to others interested in learning web development?
 - Yes, definitely
 - Neutral
 - No, probably not

SIGNATURE



WebVinyasa Tech Solutions,
Opp. To IDSG, Beekanahalli
Road, Chikmagalur 577102

"WebDevelopment" Course students Feedback

PLACE: AIT, CHIKMAGALRU


DATE: 8/05/2024

SECTION: A

1. How satisfied are you with the overall structure and organization of the course material?
 - Very satisfied
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 - Yes, the support was excellent
 - Yes, the support was good
 - Neutral, the support was neither good nor bad
 - No, the support was inadequate
 - No, there was no support available
5. What suggestions do you have for improving the course content or delivery?

The class was actually worth because its a certified course from this class we get a basic knowledge of web development so it will actually help for the future.

6. Would you recommend this course to others interested in learning web development?
 - Yes, definitely
 - Neutral
 - No, probably not


SIGNATURE



WebVaryans Tech Solutions,
Opp. To IDSG, Beekantahalli
Road, Chikmagalur 577102

"WebDevelopment" Course students Feedback

PLACE: AIT, CHIKMAGALURU

SECTION: A

DATE: 8/5/24

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5. What suggestions do you have for improving the course content or delivery?

Delivering the overall content is good, and satisfactory.

6. Would you recommend this course to others interested in learning web development?
 - ✓ Yes, definitely
 - Neutral
 - No, probably not

Meghana
SIGNATURE

**Internship
on
FULL STACK
DEVELOPMENT**



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಬಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"JnanaSangama" Belagavi-590018, Karnataka, India

Prof. Dr. B. E. Rangaswamy, Ph.D.
REGISTRAR

Phone: (0831) 2498100
Fax : (0831) 2405467

REF: VTU/BGM/ACA/2023-24/ 3252

DATE: 30 SEP 2023

NOTIFICATION

- Subject:** Tentative Academic Calendar of 1st semester of B.Sc(Hons) program, 3rd and 5th semester B.E./B.Tech. programs, 4th semester of MBA(IEV) program regarding...
- Reference:** Hon'ble Vice-Chancellor's approval dated: 30.09.2023

The tentative academic calendar concerned to 1st semester of B.Sc.(Hons) program, 3rd and 5 semesters B.E./B.Tech. programs, 4th semester of MBA(IEV) program for academic year 2023-24 at hereby notified as mentioned below;

	III semester B.E./B.Tech. (2022 scheme)	V semester B.E./ B.Tech. (2021 scheme)	I sem B.Sc(Hons)	IV semester MBA(IEV)*
Commencement of the Semester	25.10.2023	25.10.2023	03.10.2023	09.10.2023
Internship	----	25.10.2023 To 23.11.2023	---	----
Commencement of Classes	25.10.2023	25.11.2023	03.10.2023	09.10.2023
Last Working day of the Semester	10.02.2024	09.03.2024	25.01.2024	27.01.2024
Practical Examination/ Internship Viva Voce/ Project viva	12.02.2024 To 22.02.2024	11.03.2024 To 20.03.2024	29.01.2024 To 09.02.2024	01.02.2024 To 08.02.2024
Theory Examinations	26.02.2024 To 15.03.2024	22.03.2024 To 20.04.2024	12.02.2024 To 01.03.2024	
Commencement of NEXT Semester	18.03.2024	22.04.2024	04.03.2024	-----

*Students have to complete skill certification and Internship within this duration (09.10.2023 to 27.01.2024)

Please Note:

- The academic sessions for semesters should commence on the **date mentioned** above.
- If required, the college can plan to have extra classes on 1st and 3rd Saturday and Sundays to complete academic activities within the academic duration mentioned.
- The faculty/staff shall be available to undertake any work assigned by the university.
- Notification regarding the Calendar of Events relating to the conduct of University **Examinations** will be issued by the Registrar (Evaluation) from time to time.
- Academic Calendar **may be modified** based on guidelines/directions issued in the future by UGC/AICTE/State Government.
- Academic Calendar is also applicable for **Autonomous Colleges**. If any changes are to be effected by Autonomous Colleges in the academic terms and examination schedule, they could do so with the approval of the University.
- If any suggestions/clarification/correction, please email to -sbhvtuso@yahoo.com

The Principals of Affiliated, Constituent and Autonomous Engineering Colleges, Chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

Sd/-

REGISTRAR

To,

1. The Principals of all affiliated/ constituent /Autonomous Engineering Colleges under the ambit of VTU Belagavi.
2. The chairperson, of the Department of Mechanical Engineering /Civil Engineering /Computer Science and Engineering& Communication Electronics Engineering of the University.

Copy to.

1. To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
2. The Registrar (Evaluation), VTU Belagavi for information.
3. The Regional Directors (I/c) of all the regional offices of VTU for circulation.
4. The Director ITI SMU, VTU Belagavi for information and to make arrangements to upload Academic Calendar on the VTU web portal.
5. The Director of Physical Education, VTU Belagavi for information
6. The Director, Central Placement Cell, VTU Belagavi for information
7. The Special Officer Library, VTU Belagavi for information
8. All the concerned Special Officer/s and Caseworker/s of the academic section, VTU, Belagavi

Rar
30/05/13
REGISTRAR
7

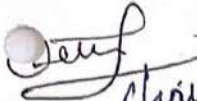
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALUR


CIRCULAR

09/10/2023

All the fourth semester students are hereby informed to attend the meeting in CSE Seminar hall on 25/10/2023 at 03:00 PM without fail.

Agenda: Regarding Internship Program


Chaitanya I.V.
Keesathi
Signature of the Co-Ordinator(s)


Professor and H.O.D.
Signature of the HOD
Department of Computer Science and Engg
Adichunchanagiri Institute of Te
CHIKMAGALUR - 577102

ADMISSION
LETTER
&
SCHEDULE

**PERMISSION
LETTER
&
SCHEDULE**

10/10/2023

From,
The HOD
Department of CS&E
A.I.T
Chikkamagaluru

To,
The Principal
A.I.T
Chikkamagaluru

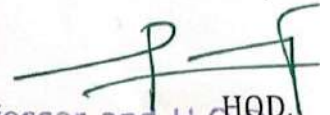
Subject: Requisition to conduct Internship from 26/10/2023- 23/11/2023

Respected Sir,

Department of Computer Science and Engineering is conducting Internship on **Full Stack Development** for fifth semester students from 26/10/2023- 23/11/2023 for four weeks by resource person Mr. Rajashekar and we are collecting Rs. 1800/- per student . I request you to permit us to do the Internship.

Thanking you,

Sincerely,



Professor and H.O.D.,
Department of Computer Science and
Department of CS&E,
Adichunchanagiri Institute of Technol
CHIKMAGALUR - 577102

Permitted
29/10
12/10/23

10/10/2023

From,
The HOD
Department of CS&E
A.I.T
Chikkamagaluru

To,
The Principal
A.I.T
Chikkamagaluru

Subject: Requisition for guesthouse from 26/10/2023- 23/11/2023

Respected Sir,

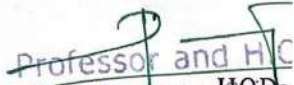
Department of Computer Science and Engineering is conducting an Internship on **Full Stack Development** for fifth semester students from 26/10/2023- 23/11/2023 for four weeks. In this regard, resource person Mr.Rajashekar and an accompanying person are expected to arrive on 25/10/2023.

For their stay in the college, we are requesting you to provide guesthouse from 26/10/2023- 23/11/2023 (four weeks)

Thanking you,

Sincerely,

Hostel - workday
32910
12/10/23


Professor and HOD
Department of Computer Science and Engineering
Adichunchanagiri Institute of Technology
Department of CS&E,
CHIKMAGALURU - 577 101

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALURU

CIRCULAR

10/10/2023

Fifth semester students are hereby informed to attend the Internship on "Full Stack Development" for four weeks according to the below mentioned dates. And for the conduction of the internship, students are hereby informed to pay Rs. 1800 to the internship coordinator on or before 30/10/2023 without fail.

Sl.No	Date	Time	Class
1.	26-10-2023	First session 9:00 AM-11:00 AM Break 11:00 AM-11:15AM Second Session 11:15AM-12:30PM	5 rd Semester 'A' & 'B' Section
	27-10-2023		
	30-10-2023		
	31-10-2023		
	02-11-2023		
	03-11-2023		
	06-11-2023		
	07-11-2023		
08-11-2023			
2.	09-11-2023	First session 9:00 AM-11:00 AM Break 11:00 AM-11:15AM Second Session 11:15AM-12:30PM Third session 2:30PM-5:00PM	
	10-11-2023		
	11-11-2023		
	15-11-2023		
	16-11-2023		
	17-11-2023		
	20-11-2023		
	21-11-2023		
	22-11-2023		
23-11-2023			

Chartho. IV
Deerf
Signature of the Co-Ordinator(s)

Kreetha Prasad
Signature of the HOD
Professor and H.O.D.
Department of Computer Science and Engg
Adichunchanagiri Institute of Techn
CHIKMAGALUR - 577102

From,

The HOD
Department of CS&E
A.I.T
Chikkamagaluru

10/10/23

To,

Mr.Rajashekar

Subject: Schedule of Internship from 26/10/2023-23/11/2023

Respected Sir,

The schedule for Internship is given below

Sl.No	Date	Time	Class	
1.	26-10-2023	First session 9:00 AM-11:00 AM	5 rd Semester 'A' & 'B' Section	
	27-10-2023			
	30-10-2023			
	31-10-2023	Break		
	02-11-2023			
	03-11-2023	Second Session 11:00 AM-11:15AM		
	06-11-2023			
	07-11-2023			
	08-11-2023	Third session 11:15AM-12:30PM		
2.	09-11-2023			First session 9:00 AM-11:00 AM
	10-11-2023			
	11-11-2023			
	15-11-2023			Break
	16-11-2023			
	17-11-2023			
	20-11-2023			
	21-11-2023			Third session 11:15AM-12:30PM
	22-11-2023			
23-11-2023				

Thanking you,

Sincerely,


Professor S.K.H.
HOD,
Department of Computer Sci
Adichunchanagiri Institute
CHIKMAGALUR - 5

**STUDENT
LIST AND
ATTENDANCE**

Student List-V 'A' Section

Sl.No	USN	Student Name	Amount Paid	Student Signature	
1	4AI21CS001	Karanjith A N	1800	Karanjith A N	Cl
2	4AI21CS004	Abhishek B	1800	Abhishek B	Cl
3	4AI21CS005	Advi Patel Y S	1800	Advi Patel Y S	Cl
4	4AI21CS008	Amrutha H N	1800	Amrutha H N	Cl
5	4AI21CS010	Ananya H J	1800	Ananya H J	Cl
6	4AI21CS013	Anushree K N	1800	Anushree K N	Cl
7	4AI21CS014	Aptha M A	1800	Aptha M A	Cl
8	4AI21CS018	Bhoomika E K	1800	Bhoomika E K	Cl
9	4AI21CS019	Bindushree R	1800	Bindushree R	Cl
10	4AI21CS021	Darshan M A	1800	Darshan M A	Cl
11	4AI21CS023	Deeksha Sagar A M	1800	Deeksha Sagar A M	Cl
12	4AI21CS027	Disha L C	1800	Disha L C	Cl
13	4AI21CS028	Disha Vijaykumar	1800	Disha Vijaykumar	Cl
14	4AI21CS030	Fizahath H R	1800	Fizahath H R	Cl
15	4AI21CS032	Hamsa Prakash	1800	Hamsa Prakash	Cl
16	4AI21CS034	Harshitha D	1800	Harshitha D	Cl
17	4AI21CS038	Jagruthi P	1800	Jagruthi P	Cl
18	4AI21CS039	Jeevan M G	1800	Jeevan M G	Cl
19	4AI21CS040	Jinu John	1800	Jinu John	Cl
20	4AI21CS041	Jisha John	1800	Jisha John	Cl
21	4AI21CS042	K S Impana	1800	K S Impana	Cl
22	4AI21CS044	Kaushik M	1800	Kaushik M	Cl
23	4AI21CS045	Kavana K	1800	Kavana K	Cl
24	4AI21CS046	Keerthana N R	1800	Keerthana N R	Cl
25	4AI21CS051	Kushi B L Gowda	1800	Kushi B L Gowda	Cl
26	4AI21CS052	Lakshmi J	1800	Lakshmi J	Cl
27	4AI21CS053	Lakshmi Pragna S	1800	Lakshmi Pragna S	Cl
28	4AI21CS054	Mangalagowri A T	1800	Mangalagowri A T	Cl
29	4AI21CS055	Manoj N	1800	Manoj N	Cl
30	4AI21CS056	Minal J J	1800	Minal J J	Cl
31	4AI21CS060	Nakul Thejas	1800	Nakul Thejas	Cl
32	4AI21CS061	Navya Prakash J K	1800	Navya Prakash J K	Cl
33	4AI21CS062	Nayana D E	1800	Nayana D E	Cl
34	4AI21CS064	Neha S N	1800	Neha S N	Cl
35	4AI21CS068	Nishchitha S A	1800	Nishchitha S A	Cl
36	4AI21CS072	Pavan K	1800	Pavan K	Cl
37	4AI21CS077	Sachin Ramesh	1800	Sachin Ramesh	Cl
38	4AI21CS078	Sagar G	1800	Sagar G	Cl
39	4AI21CS087	Shaivy. S	1800	Shaivy. S	Cl
40	4AI21CS089	Sheeghra K S	1800	Sheeghra K S	Cl
41	4AI21CS090	Shivani B L	1800	Shivani B L	Cl
42	4AI21CS091	Shoibul Akther	1800	Shoibul Akther	Cl
43	4AI21CS092	Shree Raksha R	1800	Shree Raksha R	Cl
44	4AI21CS093	Shree Roopa C M	1800	Shree Roopa C M	Cl
45	4AI21CS096	Sinchana S D	1800	Sinchana S D	Cl
46	4AI21CS100	Spoorthi K R	1800	Spoorthi K R	Cl
47	4AI21CS106	Sushruth Hebbar	1800	Sushruth Hebbar	Cl
48	4AI21CS109	Tejaswa D	1800	Tejaswa D	Cl
49	4AI21CS110	Tejaswini K M	1800	Tejaswini K M	Cl

50	4AI21CS112	Upputuri Satish	1800		ck
51	4AI21CS113	Uthsavi M B	1800	Uthsavi	ck
52	4AI21CS114	Vamshik K S	1800	Vamshik	ck
53	4AI21CS115	Varshini K	1800	Varshini	ck
54	4AI21CS116	Varshini R	1800	Varshini R	ck
55	4AI21CS117	Varun B Vernekar	1800	Varun B	ck
56	4AI21CS120	Vishwas S	1800	Vishwas S	ck
57	4AI21CS121	Vivek S Murthy	1800	Vivek S	ck
58	4AI21CS123	Yuhina Bariz	1800	Yuhina	ck
59	4AI21CS124	Zoya Fathima	1800	Zoya Fathima	ck
60	4AI21CS128	Puneeth Y	1800	Puneeth Y	ck
61	4AI21CS125	Deepak S Gowda	1800	Deepak S	ck
62	4AI22CS409	Sudharani S M *	1800	Sudharani S.M	ck
63	4AI22CS403	Bhavani K G	1800	Bhavani K.G	ck
64	4AI22CS405	kanchana R P	1800	kanchana	ck
65	4AI22CS402	Bhavana L U	1800	Bhavana L.U	ck
66	4AI22CS401	Bhagya B B	1800	Bhagya B.B	ck
67	4AI22CS408	Sinchana E	1800	Sinchana E.	ck
68	4AI22CS412	Rakshitha K A	1800	Rakshitha K.A	ck
69	4AI22CS404	Hruthika M	1800	Hruthika M	ck

FO 4AI22CS03T Importe A 1800 ~~1800~~, ck

Student List-V 'B' Section

Sl.No	USN	Student Name	Amount Paid	Student Signature	
1	4AI21CS00	Abdul Rahman	1800	<i>Abdul Rahman</i>	P ✓
2	4AI21CS00	Abhinandan C	1800	<i>Abhinandan C</i>	P ✓
3	4AI21CS00	Aishwarya A M	1800	<i>Aishwarya A M</i>	P ✓
4	4AI21CS00	Akash H R	1800	<i>Akash H R</i>	P ✓
5	4AI21CS00	Amrutha M D	1800	<i>Amrutha M D</i>	P ✓
6	4AI21CS01	Ananya K C	1800	<i>Ananya K C</i>	P ✓
7	4AI21CS01	Anushree A R	1800	<i>Anushree A R</i>	P ✓
8	4AI21CS01	Avishka V M	1800	<i>Avishka V M</i>	P ✓
9	4AI21CS01	Avvari Venkatesh	1800	<i>Avvari Venkatesh</i>	P ✓
10	4AI21CS02	Chethan Naik H S	1800	<i>Chethan Naik H S</i>	P ✓
11	4AI21CS02	Deeksha K R	1800	<i>Deeksha K R</i>	P ✓
12	4AI21CS02	Deekshith D L	1800	<i>Deekshith D L</i>	P ✓
13	4AI21CS02	Deepika B Y	1800	<i>Deepika B Y</i>	P ✓
14	4AI21CS02	Dheeraj Gowda M D	1800	<i>Dheeraj Gowda M D</i>	P ✓
15	4AI21CS02	Diwakar N	1800	<i>Diwakar N</i>	P ✓
16	4AI21CS03	Guruprasad K	1800	<i>Guruprasad K</i>	P ✓
17	4AI21CS03	Harshith S	1800	<i>Harshith S</i>	P ✓
18	4AI21CS03	Harshitha S	1800	<i>Harshitha S</i>	P ✓
19	4AI21CS03	Harshitha T A	1800	<i>Harshitha T A</i>	P ✓
20	4AI21CS03	Impana A	---	---	---
21	4AI21CS04	Keerthi B G	1800	<i>Keerthi B G</i>	P ✓
22	4AI21CS04	Koushik R	1800	<i>Koushik R</i>	P ✓
23	4AI21CS04	Kruthik B	1800	<i>Kruthik B</i>	P ✓
24	4AI21CS05	Kushal Jetty K V	1800	<i>Kushal Jetty K V</i>	P ✓
25	4AI21CS05	Mohammed Asim	1800	<i>Mohammed Asim</i>	P ✓
26	4AI21CS05	Prasidh N P	1800	<i>Prasidh N P</i>	P ✓
27	4AI21CS05	Nakshathra	1800	<i>Nakshathra</i>	P ✓
28	4AI21CS06	Nayana L	1800	<i>Nayana L</i>	P ✓
29	4AI21CS06	Nisarga B S	1800	<i>Nisarga B S</i>	P ✓
30	4AI21CS06	Nisarga K S	1800	<i>Nisarga K S</i>	P ✓
31	4AI21CS06	Nisha H M	1800	<i>Nisha H M</i>	P ✓
32	4AI21CS06	Nithin S	1800	<i>Nithin S</i>	P ✓
33	4AI21CS07	Nithish S N	1800	<i>Nithish S N</i>	P ✓
34	4AI21CS07	Palguna D P	1800	<i>Palguna D P</i>	P ✓
35	4AI21CS07	Pratheek G	1800	<i>Pratheek G</i>	P ✓
36	4AI21CS07	Rakshith C N	1800	<i>Rakshith C N</i>	P ✓
37	4AI21CS07	Rashmi B	1800	<i>Rashmi B</i>	P ✓
38	4AI21CS07	Rathan M E	1800	<i>Rathan M E</i>	P ✓
39	4AI21CS07	Sahana D S	1800	<i>Sahana D S</i>	P ✓
40	4AI21CS08	Sandhyarani N G	1800	<i>Sandhyarani N G</i>	P ✓
41	4AI21CS08	Sangeetha D R	1900	<i>Sangeetha D R</i>	P ✓
42	4AI21CS08	Sanjana Kumar	1800	<i>Sanjana Kumar</i>	P ✓
43	4AI21CS08	Sanjay N C	1800	<i>Sanjay N C</i>	P ✓ [phone pay]
44	4AI21CS08	Sanjay Yathish	1800	<i>Sanjay Yathish</i>	P ✓
45	4AI21CS08	Sannidhi G S	1800	<i>Sannidhi G S</i>	P ✓
46	4AI21CS08	Savita R Hagalambi	1800	<i>Savita R Hagalambi</i>	P ✓
47	4AI21CS09	Siddarth H M	1800	<i>Siddarth H M</i>	P ✓
48	4AI21CS09	Sinehana S	---	---	---

49	4AI21CS09	Sindhu A M	1800	Sindhu	P ✓
50	4AI21CS09	Siri C S	1800	Siris. C.S.	P ✓
51	4AI21CS09	Sonali M N	1800	Sonali. M.N.	P ✓
52	4AI21CS10	Srujan A M	1800	Srujan	P ✓
53	4AI21CS10	Srusti B N	1800	Soukhi. BN	P ✓
54	4AI21CS10	Subhiksha H R	1800	Subha	P ✓
55	4AI21CS10	Suchi P C	1800	Suchi	P ✓
56	4AI21CS10	Sushmitha K U	1800	Sushmitha	P ✓
57	4AI21CS10	Swamy K L	1800	Swamy	P ✓
58	4AI21CS11	Uday Keerthi G R	1800	Uday	P ✓
59	4AI21CS11	Vijeth B V	1800	Vijeth	P ✓
60	4AI21CS11	Vimarsh N M	1800	Vimarsh	P ✓
61	4AI21CS12	Yashwanth R	1800	Yash	P ✓
62	4AI21CS12	Manoj M D	1800	Manoj	P ✓
63	4AI21CS12	Shashank B S	1800	Shashank	P ✓
64	4AI21CS12	Chandan A B	1800	Chandan	P ✓
65	4AI22CS40	Akshay M A	1800	Akshay	P ✓
		Monammed			
66	4AI22CS40	Muzomil Hussen	1800	Muzomil	P ✓
67	4AI22CS41	Veerabhadrachar D S	1800	Veerabhadrachar	P ✓
68	4AI22CS40	MANIKANTA NAIK	1800	Manikanta	P ✓

Total Number of Students = 66 ; Amount = 1,800

Total Number of Students = 66 ; Amount = 1,800
paid =

Total Amount = 118,800

Collected Amount = 118,800

37	4AI21CS077	Sachin Ramesh																		
38	4AI21CS078	Sagar G																		
39	4AI21CS087	Shaiiv. S																		
40	4AI21CS089	Sheeghra K S																		
41	4AI21CS090	Shivani B L																		
42	4AI21CS091	Shoibul Akther																		
43	4AI21CS092	Shree Raksha R																		
44	4AI21CS093	Shree Roopa C M																		
45	4AI21CS096	Sinchana S D																		
46	4AI21CS100	Spoorthi K R																		
47	4AI21CS106	Sushruth Hebbar																		
48	4AI21CS109	Tejaswa D																		
49	4AI21CS110	Tejaswini K M																		
50	4AI21CS112	Upputuri Satish																		
51	4AI21CS113	Uthsavi M B																		
52	4AI21CS114	Vamshik K S																		
53	4AI21CS115	Varshini K																		
54	4AI21CS116	Varshini R																		
55	4AI21CS117	Varun B Vernekar																		
56	4AI21CS120	Vishwas S																		
57	4AI21CS121	Vivek S Murthy																		
58	4AI21CS123	Yuhina Bariz																		
59	4AI21CS124	Zoya Fathima																		
60	4AI21CS128	Puneeth Y																		
61	4AI21CS125	Deepak S Gowda																		
62	4AI22CS409	Sudharani S M																		
63	4AI22CS403	Bhavani K G																		
64	4AI22CS405	kanchana R P																		
65	4AI22CS402	Bhavara L U																		
66	4AI22CS401	Bhagya B B																		
67	4AI22CS408	Sinchana E																		
68	4AI22CS412	Rakshitha K A																		
69	4AI22CS404	Hruthika M																		

HA 122CS008 Im para. A

To,
The Principal,
A.I.T
Chikkamagaluru

From,
The HOD
Department of CS&E
A.I.T
Chikkamagaluru

Subject: Requesting to issue cheque for the amount collected towards Internship

With your permission Department of Computer Science and Engineering is conducting an **Internship on Full Stack Development** for 5th semester students from 26/10/2023 to 23/11/2023. In this regard we have collected Rs. 1800(Thousand eight hundred) from each student. The details of the amount collected are as follows. -

Sl. No	Class	Class Strength	Amount Collected	Staff Name	Signature
1	5 th A Section	70	126000	Mrs. Chaithra I V	<i>Chaithra IV</i>
2	5 th B Section	66	118800	Mrs. Keerthishree B T	<i>Keerthishree B T</i>

244800

TOTAL: Rs. 244800(TWO LAKH FORTY FOUR THOUSAND AND EIGHT HUNDRED ONLY)

For the amount collected we kindly request you to issue the remuneration as cheque to the resource person from the college on or before 20/11/2023. The details of the company and the account details of the resource person (check to be issued) are as follows.

Company Name	E-Swara Technologies ✓
Account holder name	VARSHA R ✓
Account Details	4219101000754
IFSC code	CNRB0004219
PAN Number	GJJPR1798J
ADHAR Number	673060303033

Sincerely,

Signature of the Internship Coordinator(s)

1. Mr. Chethan P J
2. Mrs. Chaithra I V
3. Mrs. Keerthishree B T
4. Mrs. Deepthi C G

Signature of the HOD

Professor and H.O.D.
Department of Computer Science and Engg.
Adichunchanagiri Institute of Technology
CHIKMAGALUR - 577102

SKILL LAB
free AL
permitted to deposit cash

A
4x get details
20/11/23

244800
20/11/2023

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALUR


CIRCULAR

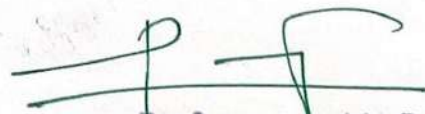
07/11/2023

All the fifth semester students are hereby informed to present an Internship presentation and demo from 23/11/2023 to 25/11/2023 from 09:00 AM to 05:00 PM.

Note:

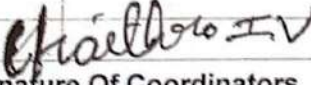

1. Minimum 30 slides should be prepared
2. Make a group of Members (4)
3. PPT should include the following
 - Introduction
 - Motivation
 - Problem Statement
 - Objectives
 - System Requirement Specification
 - Code with Explanation
 - Snapshots
 - Results and Discussions
 - Conclusions


Chaitanya I.V
Renu K
Keerthi
Signature of the Co-Ordinator(s)


Signature of the HOD
Department of Computer Science and Engg
Adichunchanagiri Institute of Technology
CHIKMAGALUR - 577 102

MARKS LIST

Department of Computer Science And Engineering			
Adichunchanagiri Institute Of Technology			
Internship - 5th 'A' Section [Date:23/11/2023 Timings:9:00 AM to 1:00 PM]			
BATCH	NAME	USN	Title
A1	U.Satish	4AI21CS112	Resort Booking
	Vishwas	4AI21CS120	
	Vivek	4AI21CS121	
	Karanjit	4AI21CS001	
A2	Bhoomika EK	4AI21CS018	The clean city.
	Kavana k	4AI21CS045	
	Varshini R	4AI21CS116	
A3	Jagruthi P	4AI21CS038	Scraps Bussines
	Shaivy S	4AI21CS087	
	Tejaswini K.M	4AI21CS110	
	Harshitha D	4AI21CS034	
A4	Abhishek B	4AI21CS004	Farm
	Kaushik M	4AI21CS044	
	Tejaswa D	4AI21CS109	
	Puneeth Y	4AI21CS128	
A5	Disha Vijaykumar	4AI21CS028	Project Tracking Website
	Shree Raksha R	4AI21CS092	
	Navya Prakash J K	4AI21CS061	
A6	Impana A	4AI21CS037	online resort mangement
	bindushree R	4AI21CS019	
	yuhina bariz	4AI21CS123	
	Anushree KN	4AI21CS013	
A7	Shree Roopa C M	4AI21CS093	CSE department website
	Varshini K	4AI21CS115	
	Nayana D E	4AI21CS062	
A8	Bhagya B B	4AI21CS401	online-job-postal-system
	sudharani S M	4AI21CS404	
	kanchana R P	4AI21CS409	
	Hruthika M	4AI21CS405	
A9	Aptha M.A	4AI21CS014	Crop Insurance
	Keerthana N.R	4AI21CS046	
	Ananya H.J	4AI21CS010	
	Nishchitha S.A	4AI21CS068	
A10	Lakshmi Pragna S	4AI21CS053	Cash Moniter
	Minal J J	4AI21CS056	
	Kushi B L Gowda	4AI21CS051	
	Sinchana S D	4AI21CS096	
A11	Jinu John	4AI21CS040	Recipe website.
	Jisha John	4AI21CS041	
	Neha S N	4AI21CS064	
	Fizahath	4AI21CS030	
A12	Shivani.B.L	4AI21CS090	Florals Essences
	Spoorthi.K.R	4AI21CS100	
	Uthsavi.M.B	4AI21CS113	
	Amrutha.H.N	4AI21CS008	

A13	K S Impana	4AI21CS042	" Staff - Leave - Management "
	Advi Patel Y S	4AI21CS005	
	Sheeghra K S	4AI21CS089	
	Hamsa Prakash	4AI21CS032	
A14	Mangalagowri	4AI21CS054	" Old age home management system "
	Lakshmi J	4AI21CS052	
	Disha L C	4AI21CS027	
	Zoya fathima	4AI21CS124	
A15	Bhavana L U	4AI21CS402	Rent management System.
	Bhavani K G	4AI21CS403	
	Rakshitha K A	4AI21CS412	
	Sinchana E	4AI21CS408	
A16	Deeksha Sagar A M	4AI21CS023	College Forum.
	Darshan M A	4AI21CS021	
	Manoj N	4AI21CS055	
	Sagar G	4AI21CS078	
A17	Deepak S Gowda	4AI21CS125	Online Agroculture management System.
	Jeevan M G	4AI21CS039	
	Nakul thejas N R	4AI21CS060	
	Sushruth Hebbar	4AI21CS106	
A18	Vamshik K S	4AI21CS114	Student Marketplaces
	Varun B Vernekar	4AI21CS117	
	Sachin Ramesh	4AI21CS077	
	Pavan K	4AI21CS072	
	Shoibul Akthar	4AI21CS091	
 Signature Of Coordinators		 Signature Of HOD	

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING		
Internship - 5th 'B'		
NAME	USN	TITLE
Yashwanth.R Chethan Naik HS Koushik R Swamy KL	4AI21CS122 4AI21CS020 4AI21CS048 4AI21CS108	Online book Platform
Kruthik B Dheeraj Gowda M D	4AI21CS049 4AI21CS026	Complaint Management
Akash HR Chandan A B Rathan M E	4AI21CS007 4AI21CS129 4AI21CS076	Event Management.
Subhiksha H R Sonali M N Sindhu A M Sannidhi G S	4AI21CS103 4AI21CS099 4AI21CS097 4AI21CS085	Farmer's Friend.
Manoj M D Vimarsh N M Harshith S Nithin S	4AI21CS126 4AI21CS119 4AI21CS033 4AI21CS069	Courseflex
Sandhya Rani N G Sahana D S Deepika B Y Palguna D P	4AI21CS080 4AI21CS079 4AI21CS025 4AI21CS071	Teacher's Record Management System
Abdul Rahman Mohammed Asim Farhan Shashank B S Sanjay.N.C	4AI21CS002 4AI21CS057 4AI21CS127 4AI21CS083	Life file Manager
Ananya K C Harshitha T A Keerthi B G Rashmi B	4AI21CS011 4AI21CS036 4AI21CS047 4AI21CS075	Part-time managem -ent system 'Jobscribe'
Sangeetha D R Srusti B N Harshitha S	4AI21CS081 4AI21CS102 4AI21CS035	"Empower Illitray"
Nakshathra Sanjana Kumar Sushmitha K.U	4AI21CS059 4AI21CS082 4AI21CS105	"Art Gallery"
Nisha HM Siri CS Avishka VM Deeksha KR	4AI21CS067 4AI21CS098 4AI21CS015 4AI21CS022	Travel management System

Nayana.L Nisarga.K.S Anushree A.R Amrutha.M.D	4AI21CS063 4AI21CS066 4AI21CS012 4AI21CS009	Pharmacy Management System
Suchi P C Nisarga B S Aishwarya A M Savita Hagalambi	4AI21CS065 4AI21CS006 4AI21CS086	Hospital Management System
Avvari venkatesh Manikanta Naik Veerabhadrachar D S Siddharth H M	4AI21CS016 4AI22CS406 4AI22CS410 4AI21CS094	Waste food management System.
Guruprasad K Akshay MU Nithish SN	4AI21CS031 4AI21CS400 4AI21CS070	Organic Farm store
Pratheek Rakshith Uday Srujan	4AI21CS073 4AI21CS074 4AI21CS111 4AI21CS101	Celebrity management System
Abhinandan, Kushal Jetty, Sanjay Yathish, N P Prasad	4AI21CS003 4AI21CS050 4AI21CS084 4AI21CS058	Cruiser Traveling Hotel body system
Mohammed Muzamil Divakar N Vijeth B V Deekshit D L	4AI22CS407 4AI21CS029 4AI21CS024 4AI21CS118	Hostel Management System

Department of Computer Science And Engineering			
Adichunchanagiri Institute Of Technology			
Internship - 5th 'A' Section [Date:23/11/2023 Timings:9:00 AM to 1:00 PM]			
BATCH	NAME	USN	MARKS
A1	U.Satish	4AI21CS112	80
	Vishwas	4AI21CS120	80
	Vivek	4AI21CS121	80
	Karanjit	4AI21CS001	85
A2	Bhoomika EK	4AI21CS018	98
	Kavana k	4AI21CS045	98
	Varshini R	4AI21CS116	98
A3	Jagruthi P	4AI21CS038	95
	Shaivy S	4AI21CS087	94
	Tejaswini K.M	4AI21CS110	93
	Harshitha D	4AI21CS034	93 - 100
A4	Abhishek B	4AI21CS004	97 - 99
	Kaushik M	4AI21CS044	98 - 99
	Tejaswa D	4AI21CS109	97
	Puneeth Y	4AI21CS128	97
A5	Disha Vijaykumar	4AI21CS028	98
	Shree Raksha R	4AI21CS092	98 95
	Navya Prakash J K	4AI21CS061	93
A6	Impana A	4AI21CS037	83
	bindushree R	4AI21CS019	85
	yuhina bariz	4AI21CS123	85
	Anushree KN	4AI21CS013	87
A7	Shree Roopa C M	4AI21CS093	97
	Varshini K	4AI21CS115	97
	Nayana D E	4AI21CS062	94
A8	Bhagya B B	4AI21CS401	87
	sudharani S M	4AI21CS404	83
	kanchana R P	4AI21CS409	83
	Hruthika M	4AI21CS405	87
A9	Aptha M.A	4AI21CS014	85
	Keerthana N.R	4AI21CS046	85
	Ananya H.J	4AI21CS010	90
	Nishchitha S.A	4AI21CS068	85
A10	Lakshmi Pragna S	4AI21CS053	98 99
	Minal J J	4AI21CS056	95
	Kushi B L Gowda	4AI21CS051	95
	Sinchana S D	4AI21CS096	95

A11	Jinu John	4AI21CS040	100
	Jisha John	4AI21CS041	96
	Neha S N	4AI21CS064	93
	Fizahath	4AI21CS030	93
A12	Shivani.B.L	4AI21CS090	95
	Spoorthi.K.R	4AI21CS100	93
	Uthsavi.M.B	4AI21CS113	95
	Amrutha.H.N	4AI21CS008	93
A13	K S Impana	4AI21CS042	98
	Advi Patel Y S	4AI21CS005	98
	Sheeghra K S	4AI21CS089	95
	Hamsa Prakash	4AI21CS032	90
A14	Mangalagowri	4AI21CS054	93
	Lakshmi J	4AI21CS052	92
	Disha L C	4AI21CS027	93
	Zoya fathima	4AI21CS124	93
A15	Bhavana L U	4AI21CS402	90
	Bhavani K G	4AI21CS403	97
	Rakshitha K A	4AI21CS412	92
	Sinchana E	4AI21CS408	92
A16	Deeksha Sagar A M	4AI21CS023	94
	Darshan M A	4AI21CS021	88
	Manoj N	4AI21CS055	88 90
	Sagar G	4AI21CS078	88
A17	Deepak S Gowda	4AI21CS125	90
	Jeevan M G	4AI21CS039	80
	Nakul thejas N R	4AI21CS060	70
	Sushruth Hebbar	4AI21CS106	75
A18	Vamshik K S	4AI21CS114	95
	Varun B Vernekar	4AI21CS117	93
	Sachin Ramesh	4AI21CS077	95
	Pavan K	4AI21CS072	88
	Shoibul Akthar	4AI21CS091	88

Chaitanya . I.V
Signature Of Coordinators


Signature Of HOD

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

5th SEMESTER 'A' SECTION

SI.NO	USN	NAME	Marks
1	4AI21CS001	Karanjith A N	85
2	4AI21CS004	Abhishek B	99
3	4AI21CS005	Advi Patel Y S	98
4	4AI21CS008	Amrutha H N	93
5	4AI21CS010	Ananya H J	90
6	4AI21CS013	Anushree K N	87
7	4AI21CS014	Aptha M A	85
8	4AI21CS018	Bhoomika E K	98
9	4AI21CS019	Bindushree R	85
10	4AI21CS021	Darshan M A	88
11	4AI21CS023	Deeksha Sagar A M	94
12	4AI21CS027	Disha L C	93
13	4AI21CS028	Disha Vijaykumar	98
14	4AI21CS030	Fizahath H R	93
15	4AI21CS032	Hamsa Prakash	90
16	4AI21CS034	Harshitha D	93
17	4AI21CS037	Impana A	83
18	4AI21CS038	Jagruthi P	95
19	4AI21CS039	Jeevan M G	80
20	4AI21CS040	Jinu John	100
21	4AI21CS041	Jisha John	96
22	4AI21CS042	K S Impana	98
23	4AI21CS044	Kaushik M	99
24	4AI21CS045	Kavana K	98
25	4AI21CS046	Keerthana N R	85
26	4AI21CS051	Kushi B L Gowda	95
27	4AI21CS052	Lakshmi J	92
28	4AI21CS053	Lakshmi Pragna S	99
29	4AI21CS054	Mangalagowri A T	93
30	4AI21CS055	Manoj N	90
31	4AI21CS056	Minal J J	95
32	4AI21CS060	Nakul Thejas	70
33	4AI21CS061	Navya Prakash J K	93
34	4AI21CS062	Nayana D E	94
35	4AI21CS064	Neha S N	93
36	4AI21CS068	Nishchitha S A	85
37	4AI21CS072	Pavan K	88
38	4AI21CS077	Sachin Ramesh	95
39	4AI21CS078	Sagar G	88
40	4AI21CS087	Shaivy. S	94
41	4AI21CS089	Sheeghra K S	95

Sl.NO	USN	NAME	Marks
42	4AI21CS090	Shivani B L	95
43	4AI21CS091	Shoibul Akther	88
44	4AI21CS092	Shree Raksha R	95
45	4AI21CS093	Shree Roopa C M	97
46	4AI21CS096	Sinchana S D	95
47	4AI21CS100	Spoorthi K R	93
48	4AI21CS106	Sushruth Hebbar	75
49	4AI21CS109	Tejaswa D	97
50	4AI21CS110	Tejaswini K M	93
51	4AI21CS112	Upputuri Satish	80
52	4AI21CS113	Uthsavi M B	95
53	4AI21CS114	Vamshik K S	95
54	4AI21CS115	Varshini K	93 97
55	4AI21CS116	Varshini R	93
56	4AI21CS117	Varun B Vernekar	93
57	4AI21CS120	Vishwas S	80
58	4AI21CS121	Vivek S Murthy	80
59	4AI21CS123	Yuhina Bariz	85
60	4AI21CS124	Zoya Fathima	93
61	4AI21CS128	Puneeth Y	97
62	4AI21CS125	Deepak S Gowda	90
63	4AI22CS409	Sudharani S M	83
64	4AI22CS403	Bhavani K G	97
65	4AI22CS405	kanchana R P	83
66	4AI22CS402	Bhavana L U	90
67	4AI22CS401	Bhagya B B	87
68	4AI22CS408	Sinchana E	92
69	4AI22CS412	Rakshitha K A	99
70	4AI22CS404	Hruthika M	87

Department of Computer Science And Engineering			
Adichunchanagiri Institute Of Technology			
Internship - 5th 'A' Section [Date:23/11/2023 Timings:9:00 AM to 1:00 PM]			
BATCH	NAME	USN	MARKS
A1	U.Satish	4AI21CS112	80
	Vishwas	4AI21CS120	80
	Vivek	4AI21CS121	80
	Karanjit	4AI21CS001	85
A2	Bhoomika EK	4AI21CS018	98
	Kavana k	4AI21CS045	98
	Varshini R	4AI21CS116	98
A3	Jagruthi P	4AI21CS038	95
	Shaivy S	4AI21CS087	94
	Tejaswini K.M	4AI21CS110	93
	Harshitha D	4AI21CS034	93
A4	Abhishek B	4AI21CS004	99 99
	Kaushik M	4AI21CS044	99 99
	Tejaswa D	4AI21CS109	97
	Puneeth Y	4AI21CS128	97
A5	Disha Vijaykumar	4AI21CS028	98
	Shree Raksha R	4AI21CS092	95
	Navya Prakash J K	4AI21CS061	93
A6	Impana A	4AI21CS037	83
	bindushree R	4AI21CS019	85
	yuhina bariz	4AI21CS123	85
	Anushree KN	4AI21CS013	87
A7	Shree Roopa C M	4AI21CS093	97
	Varshini K	4AI21CS115	97
	Nayana D E	4AI21CS062	94
A8	Bhagya B B	4AI21CS401	87
	sudharani S M	4AI21CS404	83
	kanchana R P	4AI21CS409	83
	Hruthika M	4AI21CS405	87
A9	Aptha M.A	4AI21CS014	85
	Keerthana N.R	4AI21CS046	85
	Ananya H.J	4AI21CS010	90
	Nishchitha S.A	4AI21CS068	85
A10	Lakshmi Pragna S	4AI21CS053	99
	Minal J J	4AI21CS056	95
	Kushi B L Gowda	4AI21CS051	95
	Sinchana S D	4AI21CS096	95

A11	Jinu John	4AI21CS040	100
	Jisha John	4AI21CS041	96
	Neha S N	4AI21CS064	93
	Fizahath	4AI21CS030	93
A12	Shivani.B.L	4AI21CS090	95
	Spoorthi.K.R	4AI21CS100	93
	Uthsavi.M.B	4AI21CS113	95
	Amrutha.H.N	4AI21CS008	93
A13	K S Impana	4AI21CS042	98
	Advi Patel Y S	4AI21CS005	98
	Sheeghra K S	4AI21CS089	95
	Hamsa Prakash	4AI21CS032	90
A14	Mangalagowri	4AI21CS054	93
	Lakshmi J	4AI21CS052	92
	Disha L C	4AI21CS027	93
	Zoya fathima	4AI21CS124	93
A15	Bhavana L U	4AI21CS402	90
	Bhavani K G	4AI21CS403	97
	Rakshitha K A	4AI21CS412	92
	Sinchana E	4AI21CS408	92
A16	Deeksha Sagar A M	4AI21CS023	94
	Darshan M A	4AI21CS021	88
	Manoj N	4AI21CS055	90
	Sagar G	4AI21CS078	88
A17	Deepak S Gowda	4AI21CS125	90
	Jeevan M G	4AI21CS039	80 80
	Nakul thejas N R	4AI21CS060	80 70
	Sushruth Hebbar	4AI21CS106	75
A18	Vamshik K S	4AI21CS114	95
	Varun B Vernekar	4AI21CS117	93
	Sachin Ramesh	4AI21CS077	95
	Pavan K	4AI21CS072	88
	Shoibul Akthar	4AI21CS	88

Chithan. I.V
Signature Of Coordinators

[Signature]
Signature Of HOD

**COMPANY
PROFILE AND
SYLLABUS**



1.2 Company Profile

E-SWARA Technologies is the pioneer of organized recruitment services in India founded in 2021. Over the years, they have established the best recognized Development & recruitment brand nationally. They are the preferred recruitment partners for clients and a trusted consultant for Indian professionals, both in India and overseas.

E-SWARA Technologies bring a unique approach to recruitment. Their focus has always been on middle and senior management talent needs. They recruit across various industry segments for multinational corporations as well as leading Indian business houses.

1.3 IT Outsourcing Services

Significant savings, predictable IT costs, best practices and customized service quality E-SWARA's IT outsourcing services allow business executives to retain control over IT strategies while benefiting from reduced operating costs and risks without compromising service delivery to end users and their clients. With E-SWARA's managed services model, assume responsibility for operations delivery, drawing on IT governance best practices. As a full-service IT provider, E-SWARA rigorously manages operations, focusing on quality and operational excellence, while offering competitive pricing. They build lasting partnerships based on trust and transparency. Their service delivery approach is rooted in operational excellence, and management model puts accountability and leadership first

1.4 IT outsourcing services commitments

- Pricing based on established goals and predictable IT costs
- Philosophy that targets long-term partnerships
- Global delivery model that emphasizes client proximity to provide a local presence for key IT activities
- Full range of services covering the entire IT delivery chain
- Stringent knowledge transfer and management to increase client productivity
- Focus on governance and proactive management
- Operational excellence and compliance with commitments demonstrated by proven successes.

1.5 Business Consulting

Today's businesses are demanding a blend of Strategic Consulting, Operational Consulting and Value Realization through flawless execution. E-SWARA Technologies strongly believes that the relevance of business consulting in the future will clearly be the ability to not only define the strategy but also walk the talk in helping execute on the same. This is leading to a significant disruption emerging in the consulting industry. We believe the successful consulting firms of the future will seamlessly blend industry & domain expertise with management consulting skills, bringing in unique capabilities to discover and resolve business concerns of the day.

The Business Consulting Group (BCG) at E-SWARA Technologies is a converging point for business & technology working to conceptualize design and deliver business friendly client solutions that are rooted to the practical. They work closely with customers to help deliver superior business performance, bringing a strategic perspective on business process improvement and IT enablement.

The 4-week PHP internship syllabus at Eswara Technology

Week 1: Introduction to PHP Basics

- Getting Started with PHP
 - Overview of PHP and its applications
 - Setting up a local development environment
 - Writing and executing a simple PHP script
- PHP Variables and Data Types
 - Declaring variables and constants
 - Understanding data types (string, integer, float, boolean)
 - Variable scope and global keyword
 - Type casting and conversion
- Control Structures and Functions
 - Conditional statements (if, else, elseif)
 - Looping structures (for, while, foreach)
 - Creating and using functions
 - Return values and scope in functions

Project: Simple PHP Script

- Develop a basic PHP script that incorporates variables, control structures, and functions.

Week 2: PHP Arrays and Forms Handling

- Arrays in PHP
 - Indexed arrays and associative arrays
 - Multi-dimensional arrays
 - Array functions and manipulation
- Handling HTML Forms in PHP
 - Creating HTML forms
 - Using the POST and GET methods
 - Retrieving form data in PHP
 - Form validation and sanitization
 - File uploads with forms

Project: Web Application with Form Handling and Arrays

- Implement a web application that involves form handling and array manipulation.

Week 3: PHP and MySQL Integration

- Introduction to MySQL and Database Basics
 - Overview of relational databases
 - Setting up a MySQL database
 - Creating tables and relationships
- PHP and MySQL Integration
 - Connecting PHP to MySQL
 - Executing SQL queries with PHP

- Fetching and displaying data
- Error handling and security considerations
- **CRUD Operations with PHP and MySQL**
 - Creating, reading, updating, and deleting records
 - Transactions and error handling

Project: Database-Driven Web Application

- Build a simple web application that interacts with a MySQL database to perform CRUD operations.

Week 4: Advanced PHP Topics and Final Project

- Sessions and Cookies
 - Understanding sessions
 - Using cookies in PHP
 - Session security considerations

Final Project and Review

- Apply knowledge to a comprehensive final project
- Review and Q&A session
- Tips for further learning and resources

Final Week Project: Comprehensive PHP Web Application

- Develop a feature-rich web application that incorporates advanced PHP concepts, database interactions.

SUMMARY

SUMMARY

The internship course on full stack development was conducted for the fifth semester students at Department of computer science & engineering, Adichunchanagiri institute of technology, chikmagalur

Full stack development is the process of designing, creating, testing, and deploying a complete web application from start to finish. It involves working with various technologies and tools, including front-end web development, back-end web development, and database development.

Course Outcome:

On successful completion of full stack development, students are able to:

- ❖ Understand the basics of full stack web development
- ❖ Develop responsive web pages using HTML and CSS
- ❖ Implement client-side scripting using JavaScript
- ❖ Build interactive web pages using React JS
- ❖ Use jQuery to create web pages
- ❖ Develop server-side scripts using PHP and Node JS
- ❖ Manage data using MySQL
- ❖ Deploy web applications on GitHub
- ❖ Understand the best practices for building secure web applications
- ❖ Develop real-world web applications using various technologies learned in the

course

FEEDBACK

SL No.	USN:	Name:	Section:	1. How would you rate the Presenter's knowledge on the concepts	2. How would you rate the Speaker communication with an Audience?	3. How would you rate the Concept's and information provided by the Presenter?	4. Whether Internship Course increased your Knowledge and skills?	5. Does the Internship course fulfilled the expectations ?	6. Relevance of the topics in the present context?	7. How rate hands on session?	8. How would you rate the organization of event?	9. What was your overall impression of the session?	Suggestions, if any
32	4A121CS052	Lakshmi J	A	Good	Good	Good	Good	Good	Good	Good	Good		
33	4A121CS001	Karan Jith A N	A	Fair	Good	Good	Fair	Fair	Good	Fair	Good		
34	4A121CS028	Disha Vijaykumar	A	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good		
35	4A121CS062	Nayana D E	A	Excellent	Excellent	Good	Good	Good	Good	Good	Good		None
36	4A121CS061	Navya Prakash J H A	A	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good		
37	4A121CS091	Shoaibul Akther	A	Excellent	Good	Fair	Excellent	Excellent	Poor	Poor	Poor		
38	4A121CS124	ZOYA FATHIMA	A	Excellent	Excellent	Good	Good	Good	Good	Good	Good		
39	4A121CS003	Abhinandan C	B	Good	Fair	Fair	Fair	Fair	Poor	Fair	Poor		
40	4A121CS103	Subhiksha H R	B	Good	Good	Good	Good	Fair	Good	Good	Good		
41	4A121CS099	Sonali M N	B	Good	Good	Good	Good	Fair	Good	Good	Good		
42	4A121CS019	Bindushree R	A	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent		
43	4A121CS034	Harshitha.D	A	Good	Good	Good	Good	Good	Good	Good	Good		
44	4A121CS032	Hamsa Prakash	A	Good	Fair	Fair	Good	Poor	Fair	Fair	Good		
45	4A121CS123	Yuhina bariz	A	Good	Good	Good	Good	Good	Good	Good	Good		
46	4A121CS117	Varun b Vernekar	A	Fair	Fair	Poor	Fair	Fair	Fair	Fair	Fair		Nothing
47	4A122CS408	SINCHANA E	A	Good	Good	Good	Good	Good	Good	Good	Good		
48	4A121CS109	Tejaswa D	A	Fair	Fair	Poor	Good	Fair	Fair	Good	Good		
49	4A121CS023	Deeksha sagar A I A	A	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent		
50	4A121CS008	Amrutha H N	A	Good	Good	Good	Good	Good	Good	Good	Good		
51	4A121CS030	Fizahath HR	A	Good	Good	Excellent	Excellent	Fair	Fair	Good	Good		
52	4A122CS403	Bhavani K G	A	Good	Good	Good	Excellent	Good	Good	Good	Good		
53	4A121CS077	SACHIN RAMESH A	A	Fair	Good	Fair	Good	Poor	Poor	Good	Poor		...
54	4A122CS402	Bhavana L U	A	Excellent	Good	Good	Good	Good	Good	Good	Good		No
55	4A121CS115	Varshini K	A	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent		
56	4A121CS072	Pavan K	A	Good	Good	Good	Good	Good	Good	Good	Fair		Good
57	4A122CS404	Hruthika M	A	Good	Good	Good	Good	Fair	Good	Good	Good		Nice Continue...in future
58	4A121AI053	Lakshmi Pragna S A	A	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair		
59	4A121CS044	Kaushik M	A	Good	Good	Good	Excellent	Good	Good	Good	Good		
60	4A121CS114	Vamshik K S	A	Good	Good	Good	Good	Good	Good	Good	Good		
61	4A121CS049	Kruthik B	B	Excellent	Excellent	Good	Excellent	Good	Good	Excellent	Good		
62	4A121CS011	Ananya K C	B	Good	Fair	Fair	Good	Fair	Fair	Good	Fair		It was a good sessions.
63	4A121CS066	Nisarga K.S	B	Good	Good	Good	Good	Good	Good	Good	Good		
64	4A121CS007	Akash hr	B	Good	Good	Good	Good	Good	Good	Good	Good		
65	4A121CS086	Savita Hagalambi	B	Good	Good	Excellent	Good	Excellent	Excellent	Excellent	Good		

SL No.	USN:	Name:	Section:	1. How would you rate the Presenter's knowledge on the concepts	2. How would you rate the Speaker communication with an Audience?	3. How would you rate the Concept's and information provided by the Presenter?	4. Whether Internship Course increased your Knowledge and skills?	5. Does the Internship course fulfilled the expectations ?	6. Relevance of the topics in the present context?	7. How would you rate hands on session?	8. How would you rate the organization of event?	9. What was your overall impression of the session?	Suggestions, if any
98	4AI21CS029	Diwakar N	B	Fair	Good	Good	Fair	Poor	Fair	Good	Poor	Fair	Try to cover more topics rather than doing few topics and making us to do
99	4AI21CS002	Abdul Rahman	B	Good	Good	Good	Good	Good	Good	Good	Good	Good	
100	4AI21CS082	Sanjana Kumar	B	Good	Good	Fair	Fair	Poor	Good	Good	Good	Fair	
101	4AI21CS105	Sushmitha K U	B	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Nothing
102	4ai21cs111	Uday Keerthi	B	Good	Fair	Good	Good	Fair	Good	Fair	Fair	Good	Nothing
103	4AI21CS097	Sindhu A.M	B	Good	Good	Good	Good	Good	Good	Good	Good	Good	No
104	4AI21CS006	Aishwarya A M	B	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	Fair	No
105	4AI21CS098	Siri C S	B	Good	Good	Good	Good	Good	Good	Good	Good	Good	Nothing
106	4AI21CS050	Kushal Jetty K V	B	Fair	Fair	Poor	Good	Poor	Fair	Poor	Fair	Poor	Instead of giving different topics on project for every group. If they teach one complete end to end project to complete class it can be effective and every student can clarify their doubts with their friends. If the topics are different then majority end up by downloading a ready-made project available in the internet.

CERTIFICATS



Internship Certificate

THIS CERTIFICATE IS PROUDLY
PRESENTED TO

Mr/Mrs Vamshik K S bearing USN 4AI21CS114

for successful completion of the Full Stack Web Development held at Dept. of Computer
Science & Engineering ,Adichunchanagiri Institute of Technology, Chikkamagaluru
with an exemplary performance shown during the course period between
25-Oct-2023 to 23-Nov-2023

Rajeshwari
Managing Director,
E-swara Technology

[Signature]
Prof. & HOD,
Computer Science & Engineering,
Adichunchanagiri Institute of Technology

[Signature]
Principal,
Adichunchanagiri Institute of
Technology



Internship Certificate

THIS CERTIFICATE IS PROUDLY
PRESENTED TO

Mr/Mrs Abhishek B

bearing USN 4AI21CS004

for successful completion of the Full Stack Web Development held at Dept. of Computer
Science & Engineering, Adichunchanagiri Institute of Technology, Chikkamagaluru
with an exemplary performance shown during the course period between
25-Oct-2023 to 23-Nov-2023

Managing Director,
E-swaRa Technology

Prof. & HOD,
Computer Science & Engineering,
Adichunchanagiri Institute of Technology

Principal,
Adichunchanagiri Institute of
Technology



Certificate
OF ACHIEVEMENT

THIS CERTIFICATE IS PRESENTED TO

SURESH LAKSHMI PRAGNA

Bandy Hockey

Is recognized for participation in
**International Ice hockey and Sport Camp
Ice Skating Program 2024**

Present on 2^{sd} - 5th July 2024,
at Ice Arena Phuket



ALISA SERKINA
DIRECTOR

Bandy Association of Indians

4th International Camp Thailand -2024



CERTIFICATE

Shri/Mrs. **SURESH LAKSHMI PRAGNA** Country -India

*Has Been Awarded This Certificate For His / Her
Participation Or Special Performance*


CRT No. **0027 /IND**

Place : *Arena Ice Skating Rink, Phuket (Thailand)*

Date : *1 to 5 July 2024*


Love Kumar Jadhav
General Secretary (BAI)




Lebedev Denis
Bandy Coach, Russia



These Game Has Recognized By Of International Bandy Federation , International Olympic .
International University Sports, International World Games Association
Nehru Yuva Kendra Ministry Of Youth Affairs & Sports Government Of India

|| Jai Sri Gurudev ||



Sri Adichunchanagiri Shikshana Trust ®

Adichunchanagiri Institute of Technology
Chikkamagaluru-577102.



DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

ALUMNI WEBINAR SERIES

TECHNICAL TALK ON:

"NAVIGATING THE CSE VOYAGE FROM BASICS TO BRILLIANCE"

SPEAKER NAME: **KUSHAL SATRASALA** (2007-2011 BATCH)
PROJECT MANAGER, ATB FINANCIAL, CALGARY, CANADA

DATE : 23-SEP-2023

TIME : 09.30 AM

VENUE : CSE SEMINAR HALL

ALL ARE CORDIALLY INVITED

Dr. Pushpa Ravikumar

H.O.D.

Department of Computer Science and Engineering



|| JALSRI GURDEV ||

Sri Adichunchanagiri Shikshana Trust ®

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Chikkamagaluru-577102.



DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

ALUMNI WEBINAR SERIES

TECHNICAL TALK ONE

"NAVIGATING THE CSE VOYAGE FROM BASICS TO BRILLIANCE"

SPEAKER NAME: **KUSHAL SATRASALA** (2019-2021)
PROFESSOR, VIT-APOLINA, VIT-APOLINA, VIT-APOLINA

DATE: 28 SEP 2023

TIME: 09:30 AM

VENUE : CSE SEMINAR HALL

Student Attendance

Name	Signature
Tejaswini, B.T	Tejani, BT
Sneha . S	Sneha S
Dhanya M.C	Dhanya M.C
Sakshi M.N	Sakshi M.N
Roopa . C.P	Roopa . C.P
Drushli . N	Drushli
Sandhya D. M	Sandhya
Mamatha . P.K	Mamatha . P.K
Sanchana . K.S.	Sanchana
Charvi D.R	Charvi
Deepma . A.V	Deepma
Thanushree . S	Thanushree
Smitha . H.A	Smitha
Sabha.	Sabha
Afra . M	Afra
Bi Bi Fathima	Fathima
Tejaswini . S	Tejaswini
Tanisha Krishal Maria D'souza	Tanisha D'souza
Bharati . K.V	Bharati
Naidile M.N	Naidile
Pooja . M	Pooja M
Vagmi Girijesh	Vagmi Girijesh
Chasitha Gowri	Chasitha
Nikhitha . G.T	Nikhitha . G.T
Sannikha	Sannikha
Shreya	Shreya
Deepika . CR	Deepika CR
Miss Pajari Manya Nagraj	Manya

Student Name

Signature

Sowmya B.L
 Mukthamba M.M
 Rithu T.S
 Kavya K.T
 Dharsidhree G.N.
 Amulya M.D
 Madhusree R
 Apia Fathima
 Shradha N.R
 Ananya S.H
 Bhavya NR
 Supriya M.S.
 Sanjana AP
 Navya B.C
 Anshika

 Sagar
 Rishi
 Vishwas C.V.
 Jeeravanda C.L
 Anup Gowdo K.T
 M N Sarvesh
 Fokul Thejawi
 chinthya B.S
 Nikshith Kumar
 Harshith R.N
 Mohammed Zaid
 Vishanth B.V

Sowmya B.L
 Mukthamba M.M
 Rithu T.S
 Kavya K.T
 Dharsidhree G.N.
 Amulya M.D
 Madhusree R

 Ananya S.H
 Bhavya NR
 Supriya M.S.
 Sanjana AP
 Navya B.C
 Anshika

 Sagar R
 Rishi
 Vishwas C.V.
 Jeeravanda C.L
 Anup Gowdo K.T
 M N Sarvesh
 Fokul Thejawi
 chinthya B.S
 Nikshith Kumar
 Harshith R.N
 Mohammed Zaid
 Vishanth B.V

Suryog - P. Komeri

Sharavana H.S

Siddhant S. K

Amit Bhalma

SHAN AHAMED. A

Ashaish S. D

ASHISH N. S

Shereesh M. S

Abhishek M. D

Nithum. N

VINAY. S

Nanda Kumar. H

Akhil. H. A

Sumanth. S

Perajwal. H. R

Mohammed. Nihal

DARSHAN. NAIDU

Abhishek. B. P

Mohammed Zaid

Pornachandra. D. N

Kanya Krishna CK.

Aashritha S. Rao

Namita. Patel

Bi Bi Rafiya Begum

~~Suryog~~

Sharavana H.S

Siddhant
Amit
Shalma

Shan Ahmed A

Ashaish

ASHISH

Shereesh M. S

Abhishek. M. D

Nithum. N

~~VINAY~~

Nanda Kumar. H

Akhil. H. A

Sumanth

Perajwal. H. R

Darshan Naidu

~~Abhishek~~

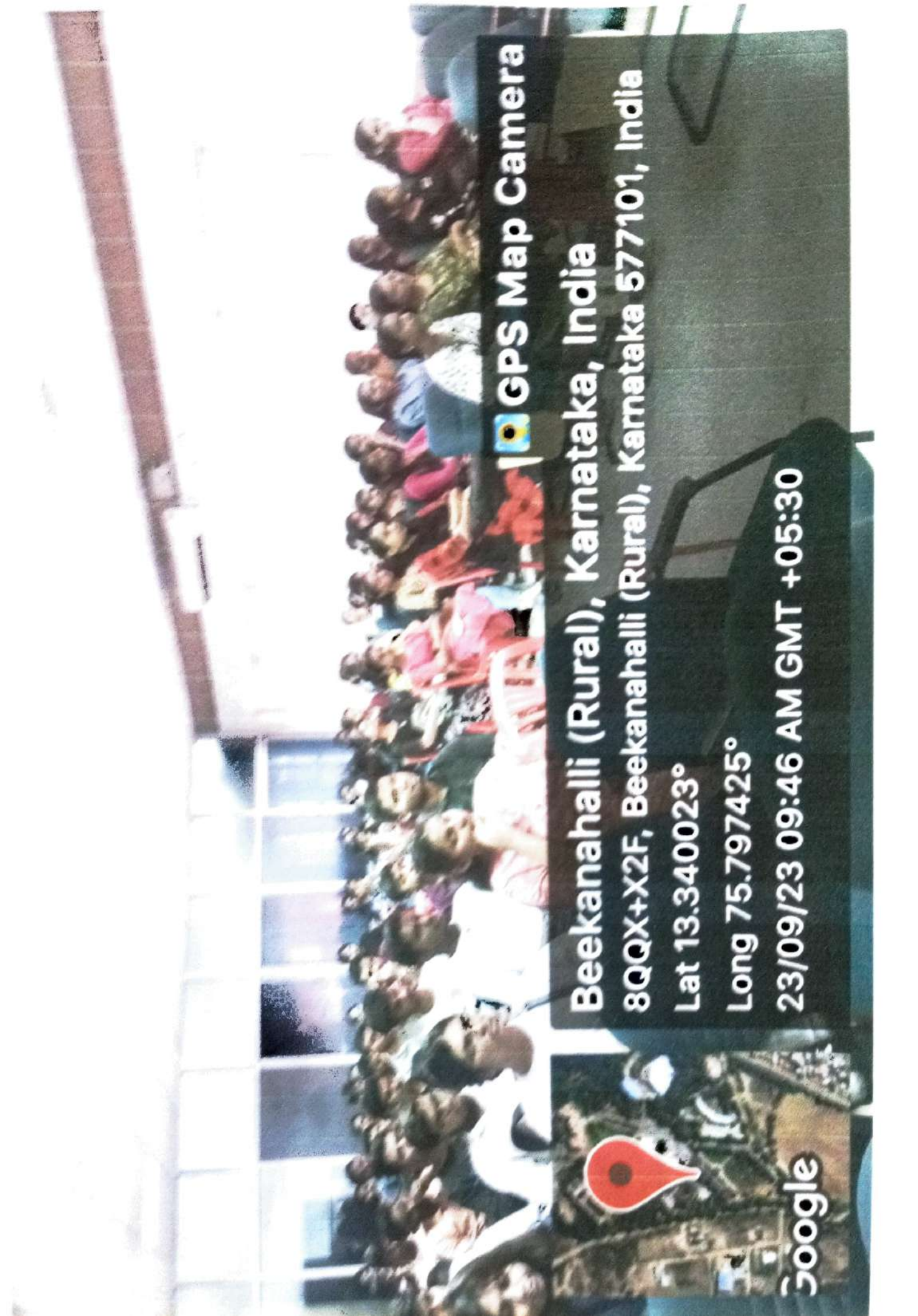
Zaid

~~Pornachandra~~

~~Kanya~~
Aashritha

~~Namita~~

Rafiya



 GPS Map Camera

Beekanahalli (Rural), Karnataka, India
8QQX+X2F, Beekanahalli (Rural), Karnataka 577101, India

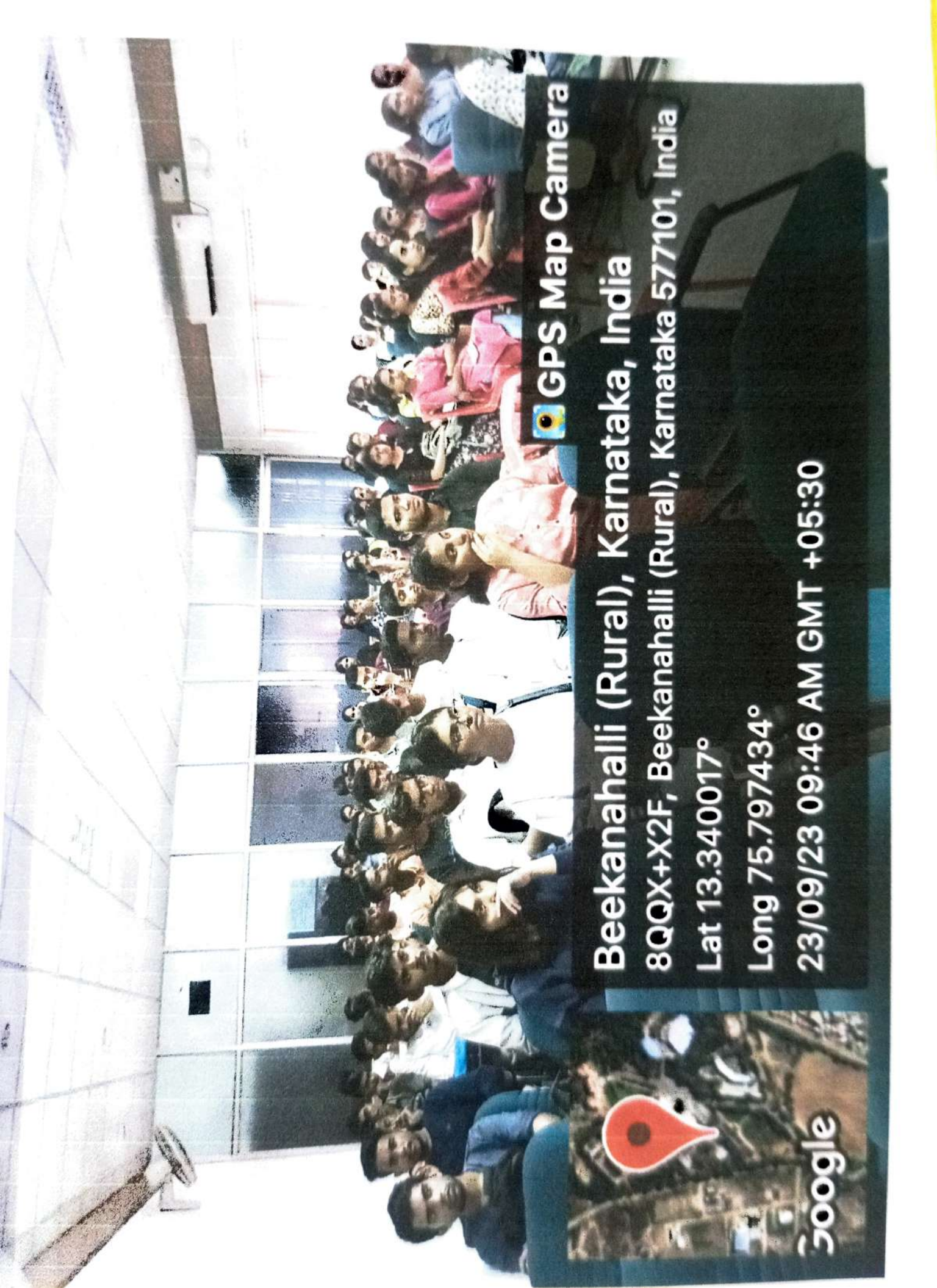
Lat 13.340023°

Long 75.797425°

23/09/23 09:46 AM GMT +05:30



Google



 GPS Map Camera

Beekanhalli (Rural), Karnataka, India

8QX+X2F, Beekanhalli (Rural), Karnataka 577101, India

Lat 13.340017°

Long 75.797434°

23/09/23 09:46 AM GMT +05:30



Google



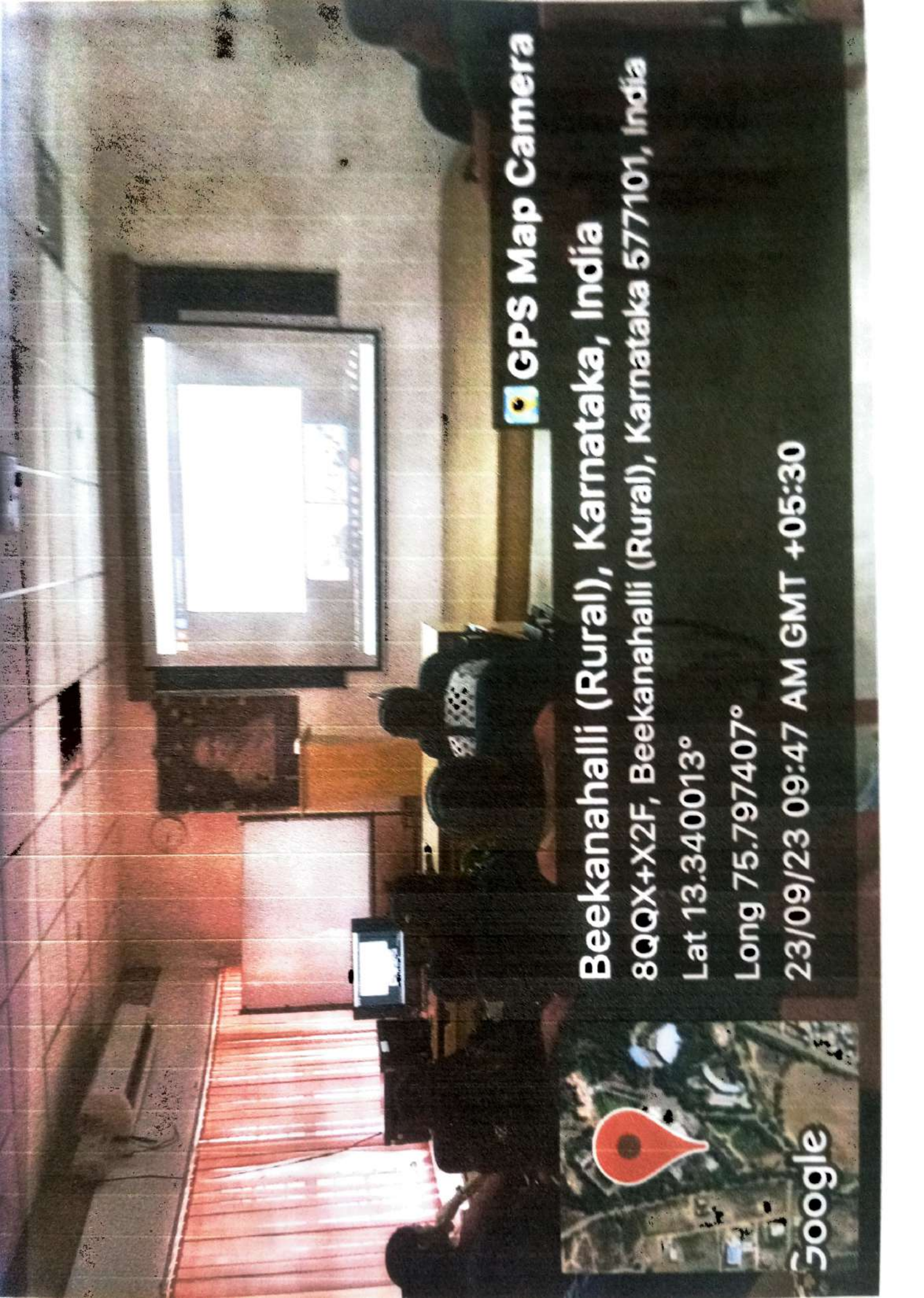
 **GPS Map Camera**

Beekannahalli (Rural), Karnataka, India
8QQX+X2F, Beekannahalli (Rural), Karnataka 577101, India

Lat 13.340011°

Long 75.797412°

23/09/23 09:47 AM GMT +05:30



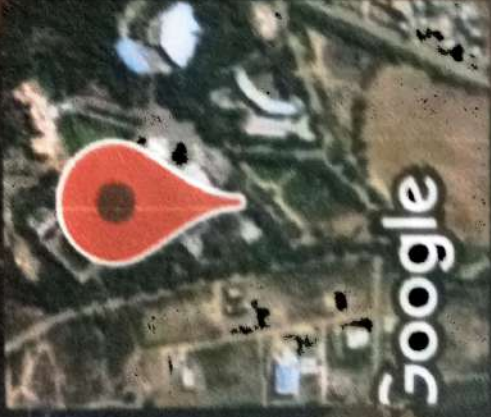
 **GPS Map Camera**

Beekanhalli (Rural), Karnataka, India
8QXX+X2F, Beekanhalli (Rural), Karnataka 577101, India

Lat 13.340013°

Long 75.797407°

23/09/23 09:47 AM GMT +05:30



Feedback

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKMAGALUR,
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
STUDENT ENRICHMENT PROGRAMME

“Navigating the CSE Voyage : From Basics to Brilliance”

Resource Person
Mr.Kushal Satrasala
 Project Manager, ATB Financial
 Calgary, Canada

FEEDBACK

Sl.No	DESCRIPTION	EXCELLENT	GOOD	AVERAGE
1	What is your opinion about the talk	✓		
2	Was the information shared useful and informative?	✓		
3	Was the subject of the talk made clear at the beginning?	✓		
4	How would you rate the presenter's knowledge on the Subject	✓		
5	How would you rate the presenter's style of teaching	✓		
6	How would you rate the pace of presentation	✓		
7	Was the talk above or below your current skill level or just right			
8	Do you need such talk in future	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
9	Suggestions if any:			

Sharavana 17.5
 Student's Name

Sharavana P.S
 Signature

Date :23-09-2023

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKIMAGALUR.
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
STUDENT ENRICHMENT PROGRAMME

“Navigating the CSE Voyage : From Basics to Brilliance”

Resource Person
Mr.Kushal Satrasala
Project Manager, ATB Financial
Calgary, Canada

FEEDBACK

Sl.No	DESCRIPTION	EXCELLENT	GOOD	AVERAGE
1	What is your opinion about the talk	✓		
2	Was the information shared useful and informative?		✓	
3	Was the subject of the talk made clear at the beginning?			✓
4	How would you rate the presenter's knowledge on the Subject		✓	
5	How would you rate the presenter's style of teaching		✓	
6	How would you rate the pace of presentation		✓	
7	Was the talk above or below your current skill level or just right	it was okay!		
8	Do you need such talk in future	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
9	Suggestions if any: should be more informative and more talk abt computer science or technology or ongoing stuff!			

Student's Name

Kavya R.K

Signature

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKIMAGALUR.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

STUDENT ENRICHMENT PROGRAMME

"Navigating the CSE Voyage : From Basics to Brilliance"

Resource Person

Mr. Kushal Satrasala

Project Manager, ATB Financial

Calgary, Canada

FEEDBACK

Sl.No	DESCRIPTION	EXCELLENT	GOOD	AVERAGE
1	What is your opinion about the talk		✓	
2	Was the information shared useful and informative?			✓
3	Was the subject of the talk made clear at the beginning?			✓
4	How would you rate the presenter's knowledge on the Subject			✓
5	How would you rate the presenter's style of teaching		✓	
6	How would you rate the pace of presentation		✓	
7	Was the talk above or below your current skill level or just right		✓	
8	Do you need such talk in future	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
9	Suggestions if any: Should be more specific about tools to use. Dont just touch the general info.			

Ashwika S. Rao
Student's Name

Ashwika
Signature



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
Department of Computer Science & Engineering



Academic Year: 2022-2023	Class: BE
Semesters: IV 'A' & 'B'	Date: 27/09/2023
SUBJECT: WEB PROGRAMMING	SUBJECT CODE: 21CSL481

Innovative Teaching Methods

Title of Innovative method/activity: Project-Based Learning

Name of the Faculty: BHAVANA D E

Objective of Method:

- Students are able to design Front End and Back-end using real world designs.
- Students are able to explain the concept of Web Programming.
- Students are able to demonstrate the behavior of programs.
- Students should be familiarized with Web Programming with Python Code language.
- Students should be familiarized with Different techniques.
- Thinking ability of the students is enhanced.

Signature of HOD

Professor and H.O.D.
Department of Computer Science and
Adichunchanagiri Institute of Technol.
CHIKMAGALUR - 577102

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

4TH SEMESTER 'A' SECTION

SI.NO	USN	NAME		
1	4AI21CS001	Karanjith A N		
2	4AI21CS004	Abhishek B		
3	4AI21CS005	Advi Patel Y S		
4	4AI21CS008	Amrutha H N		
5	4AI21CS010	Ananya H J		
6	4AI21CS013	Anushree K N		
7	4AI21CS014	Aptha M A		
8	4AI21CS018	Bhoomika E K		
9	4AI21CS019	Bindushree R		
10	4AI21CS021	Darshan M A		
11	4AI21CS023	Deeksha Sagar A M		
12	4AI21CS027	Disha L C		
13	4AI21CS028	Disha Vijaykumar		
14	4AI21CS030	Fizahath H R		
15	4AI21CS032	Hamsa Prakash		
16	4AI21CS034	Harshitha D		
17	4AI21CS037	Impana A		
18	4AI21CS038	Jagruthi P		
19	4AI21CS039	Jeevan M G		
20	4AI21CS040	Jinu John		
21	4AI21CS041	Jisha John		
22	4AI21CS042	K S Impana		
23	4AI21CS044	Kaushik M		
24	4AI21CS045	Kavana K		
25	4AI21CS046	Keerthana N R		
26	4AI21CS051	Kushi B L Gowda		
27	4AI21CS052	Lakshmi J		
28	4AI21CS053	Lakshmi Pragna S		
29	4AI21CS054	Mangalagowri A T		
30	4AI21CS055	Manoj N		
31	4AI21CS056	Minal J J		
32	4AI21CS060	Nakul Thejas		
33	4AI21CS061	Navya Prakash J K		
34	4AI21CS062	Nayana D E		
35	4AI21CS064	Neha S N		
36	4AI21CS068	Nishchitha S A		
37	4AI21CS072	Pavan K		
38	4AI21CS077	Sachin Ramesh		
39	4AI21CS078	Sagar G		
40	4AI21CS087	Shaivy. S		
41	4AI21CS089	Sheeghra K S		

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

4TH SEMESTER 'A' SECTION

SI.NO	USN	NAME		
42	4AI21CS090	Shivani B L		
43	4AI21CS091	Shoibul Akther		
44	4AI21CS092	Shree Raksha R		
45	4AI21CS093	Shree Roopa C M		
46	4AI21CS096	Sinchana S D		
47	4AI21CS100	Spoorthi K R		
48	4AI21CS106	Sushruth Hebbar		
49	4AI21CS109	Tejaswa D		
50	4AI21CS110	Tejaswini K M		
51	4AI21CS112	Upputuri Satish		
52	4AI21CS113	Uthsavi M B		
53	4AI21CS114	Vamshik K S		
54	4AI21CS115	Varshini K		
55	4AI21CS116	Varshini R		
56	4AI21CS117	Varun B Vernekar		
57	4AI21CS120	Vishwas S		
58	4AI21CS121	Vivek S Murthy		
59	4AI21CS123	Yuhina Bariz		
60	4AI21CS124	Zoya Fathima		
61	4AI21CS128	Puneeth Y		
62	4AI21CS125	Deepak S Gowda		
63	4AI22CS409	Sudharani S M		
64	4AI22CS403	Bhavani K G		
65	4AI22CS405	kanchana R P		
66	4AI22CS402	Bhavana L U		
67	4AI22CS401	Bhagya B B		
68	4AI22CS408	Sinchana E		
69	4AI22CS412	Rakshitha K A		
70	4AI22CS404	Hruthika M		

Signature of the HOD

Professor and H.O.D

Department of Computer Science


Adichunchanagiri Institute of Technology

CHIKMAGALUR - 577 102

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
4TH SEMESTER 'B' SECTION

Sl.NO	USN	NAME		
1	4AI21CS002	Abdul Rahman		
2	4AI21CS003	Abhinandan C		
3	4AI21CS006	Aishwarya A M		
4	4AI21CS007	Akash H R		
5	4AI21CS009	Amrutha M D		
6	4AI21CS011	Ananya K C		
7	4AI21CS012	Anushree A R		
8	4AI21CS015	Avishka V M		
9	4AI21CS016	Avvari Venkatesh		
10	4AI21CS020	Chethan Naik H S		
11	4AI21CS022	Deeksha K R		
12	4AI21CS024	Deekshith D L		
13	4AI21CS025	Deepika B Y		
14	4AI21CS026	Dheeraj Gowda M D		
15	4AI21CS029	Diwakar N		
16	4AI21CS031	Guruprasad K		
17	4AI21CS033	Harshith S		
18	4AI21CS035	Harshitha S		
19	4AI21CS036	Harshitha T A		
20	4AI21CS047	Keerthi B G		
21	4AI21CS048	Koushik R		
22	4AI21CS049	Kruthik B		
23	4AI21CS050	Kushal Jetty K V		
24	4AI21CS057	Mohammed Asim Farhan		
25	4AI21CS058	Prasidh N P		
26	4AI21CS059	Nakshathra		
27	4AI21CS063	Nayana L		
28	4AI21CS065	Nisarga B S		
29	4AI21CS066	Nisarga K S		
30	4AI21CS067	Nisha H M		
31	4AI21CS069	Nithin S		
32	4AI21CS070	Nithish S N		
33	4AI21CS071	Palguna D P		
34	4AI21CS073	Pratheek G Morabad		
35	4AI21CS074	Rakshith C N		
36	4AI21CS075	Rashmi B		
37	4AI21CS076	Rathan M E		
38	4AI21CS079	Sahana D S		

SI.NO	USN	NAME		
39	4AI21CS080	Sandhyarani N G		
40	4AI21CS081	Sangeetha D R		
41	4AI21CS082	Sanjana Kumar		
42	4AI21CS083	Sanjay N C		
43	4AI21CS084	Sanjay Yathish		
44	4AI21CS085	Sannidhi G S		
45	4AI21CS086	Savita Hagalambi		
46	4AI21CS094	Siddarth H M		
47	4AI21CS095	Sinchana S		
48	4AI21CS097	Sindhu A M		
49	4AI21CS098	Siri C S		
50	4AI21CS099	Sonali M N		
51	4AI21CS101	Srujan A M		
52	4AI21CS102	Srusti B N		
53	4AI21CS103	Subhiksha H R		
54	4AI21CS104	Suchi P C		
55	4AI21CS105	Sushmitha K U		
56	4AI21CS108	Swamy K L		
57	4AI21CS111	Uday Keerthi G R		
58	4AI21CS118	Vijeth B V		
59	4AI21CS119	Vimarsh N M		
60	4AI21CS122	Yashwanth R		
61	4AI21CS126	Manoj M D		
62	4AI21CS127	Shashank B S		
63	4AI21CS129	Chandan A B		
64	4AI22CS400	Akshay M A		
65	4AI22CS407	Hussen		
66	4AI22CS410	Veerabhadrachar D S		
67	4AI22CS406	MANIKANTA NAIK		
68	4AI22CS411	DHANARAJ M		


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Abstract

The Online Quiz Master is an innovative web-based application developed using a combination of HTML, CSS, JavaScript, and the Django web framework. This report provides an in-depth examination of the development and functionality of the Online Quiz Master, an interactive platform designed for the creation and administration of online quizzes. In an era of remote learning and digital education, this tool proves indispensable for educators and organizations seeking efficient assessment and student engagement.

The rapid expansion of the internet has revolutionized the way we access and share information, making web development a crucial skill in the digital age. To facilitate effective learning in this field, we have designed an online quiz master platform using a combination of HTML, CSS, JavaScript, and Django. This platform aims to provide an interactive and engaging learning experience for aspiring web developers, allowing them to test their knowledge, reinforce their understanding, and track their progress.

The online quiz master employs HTML and CSS to create an intuitive user interface that ensures a seamless navigation experience. JavaScript is utilized to enhance interactivity, enabling users to answer questions, receive instant feedback, and view their scores in real-time. The backend of the application is powered by Django, which manages user authentication, question databases, and progress tracking. The integration of these technologies results in a dynamic and responsive platform that caters to users of varying skill levels, from beginners to advanced developers.

In this report, we delve into the architecture, design, and implementation of our web development online quiz master, highlighting the key features, functionalities, and the underlying technologies used. We also discuss the challenges faced during development and provide insights into potential future enhancements. By combining the power of HTML, CSS, JavaScript, and Django, this project contributes to the ever-evolving landscape of online learning tools, fostering a more interactive and effective approach to web development education.

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Chapter 01

Introduction

Online education has witnessed remarkable growth in recent years, particularly with the surge in remote learning. As traditional classrooms expand into virtual spaces, the need for effective tools to assess and engage students online becomes increasingly essential. The "Online Quiz Master" is a dynamic web-based application that has been developed to address this need comprehensively. In this era of digital learning, the Online Quiz Master serves as an invaluable platform for educators, trainers, and organizations looking to create, manage, and administer online quizzes seamlessly. This report provides a detailed exploration of the design, development, and functionality of this innovative tool, highlighting its role in enhancing the educational experience in a virtual environment.

In the following sections, we will delve into the system's architecture, its user-friendly interface, robust features, advantages, and potential areas for improvement. The Online Quiz Master stands as a testament to the transformative power of technology in education, facilitating interactive learning, and real-time assessment in the digital age. The Online Quiz Master caters to a broad spectrum of educational settings, offering a versatile solution for educators, corporate trainers, and organizations alike. Its user-friendly interface and comprehensive feature set empower users to effortlessly create, customize, and administer online quizzes, ensuring these assessments align seamlessly with their educational objectives. This application has become indispensable in an age where digital learning has become the norm.

With the disruption caused by the COVID-19 pandemic, remote learning has taken centre stage in global education. The Online Quiz Master not only meets the immediate challenges posed by this shift but also contributes to the ongoing discourse about the future of education. By facilitating real-time assessments, providing instant feedback, and enabling progress tracking, it fosters a more engaging and adaptive learning environment for students of all ages. As we embrace the digital age of education, the Online Quiz Master stands as a testament to our commitment to delivering effective, innovative, and accessible learning solutions, empowering learners to take charge of their educational journeys and adapt to the evolving landscape of lifelong learning.

1.2 Purpose

The Online Quiz Master addresses the critical need for a versatile and user-friendly platform for conducting online quizzes. In the realm of remote education, its primary objectives include:

- **Ease of Use:** Ensuring a seamless experience for both quiz creators and participants.
- **Security:** Prioritizing data integrity and user privacy.
- **Real-time Feedback:** Providing immediate feedback for quiz takers.
- **Customization:** Offering a wide range of customization options for quiz creators, allowing them to tailor quizzes to their specific curriculum or training needs. This includes the ability to set different question types, time limits, and difficulty levels.
- **Accessibility:** Ensuring that the platform is accessible to a diverse audience, including individuals with disabilities. This involves adhering to web accessibility standards and providing options for alternative formats.
- **Analytics and Reporting:** Equipping educators and trainers with comprehensive analytics tools to track quiz performance, identify areas of improvement, and make data-driven decisions to enhance the learning experience.
- **Collaborative Features:** Encouraging collaboration among educators and students by supporting group quizzes and discussions. This fosters a sense of community and engagement within the online learning environment.
- **Integration Capabilities:** Seamlessly integrating with other popular e-learning tools and Learning Management Systems (LMS) to streamline the quiz creation and management process for institutions already using existing platforms.
- **Adaptive Learning:** Utilizing advanced algorithms to adapt quiz difficulty based on a student's performance, ensuring that learners are continually challenged at an appropriate level.
- **Gamification Elements:** Incorporating gamification elements such as leaderboards, badges, and rewards to enhance motivation and engagement among quiz takers, promoting a more interactive and enjoyable learning experience.

1.3 System Requirements

1.3.1 Hardware Requirements

The Online Quiz Master is designed to be lightweight and can run on standard hardware configurations. The basic hardware requirements are as follows:

Processor: 1 GHz or higher

RAM: 2 GB or more

Storage: 10 GB of free disk space

1.3.2 Software Requirements

The software requirements include:

Operating System: Any modern operating system (Windows, macOS, Linux)

Web Browser: Latest versions of Google Chrome, Mozilla Firefox, Safari, or Microsoft Edge

Database: SQLite (for development), PostgreSQL or MySQL (for production)

Web Server: Apache, Nginx (for production deployment)

1.3.3 Development Environment

To contribute to the development of the Online Quiz Master, the following development tools are recommended:

Integrated Development Environment (IDE): Visual Studio Code, PyCharm, or any preferred text editor for code editing.

Version Control: Git for source code version control.

Package Manager: Python's pip for managing dependencies.

Virtual Environment: Python's virtualenv for creating isolated development environments.

Chapter 02

Design and Implementation

2.1 Frontend (HTML and CSS)

2.1.1 Responsive Design

The frontend of the Online Quiz Master is meticulously crafted with responsive design principles in mind. It adapts gracefully to various devices and screen sizes, ensuring an optimal user experience across platforms.

2.1.2 Intuitive Navigation

The navigation system is simple and logically organized to allow users to effortlessly create and take quizzes. Intuitive menus and clear call-to-action buttons guide users through the platform.

2.1.3 Visual Appeal

CSS styles are applied judiciously to create an aesthetically pleasing interface. Careful consideration of colour schemes and typography contributes to an engaging and visually appealing user interface.

2.1.4 User-Friendly Forms

Forms for creating quizzes and inputting answers are designed for user-friendliness. Clear instructions and error handling ensure a smooth experience for quiz creators.

2.2 Backend (Django)

2.2.1 User Authentication

The backend, powered by Django, boasts a robust user authentication system. Secure user registration and login procedures protect user accounts and data.

2.2.2 Quiz Management

Educators have the ability to create, edit, and delete quizzes through an intuitive interface. The system handles the management of questions, answers, and quiz settings.

2.2.3 Real-time Scoring

The Online Quiz Master provides real-time scoring for quizzes, offering participants immediate feedback on their performance upon completion.

2.2.4 Result Tracking

All quiz results are securely stored and can be accessed by both participants and creators for review and analysis.

2.2.5 Security

Stringent security measures are in place to prevent unauthorized access and data breaches. The use of Django's security features ensures data protection.

2.3 Database

The system relies on a relational database (typically SQLite during development but adaptable to other databases) to store user data, quiz questions, answers, and results. A well-designed database schema ensures data integrity and optimal performance.

Chapter 03

Features and Functionality

3.1 Features and Functionality

- **User Registration and Authentication:** Users can create accounts, log in securely, and access the platform.
- **Quiz Creation:** Educators have the ability to create quizzes, add questions, and set correct answers.
- **Quiz Taking:** Participants can take quizzes, receiving immediate feedback on their performance.
- **Real-time Scoring:** Quizzes are scored in real-time, with results displayed upon completion.
- **Result Tracking:** Users can review their quiz history and scores.
- **Admin Panel:** Administrators have access to a dashboard for managing users, quizzes, and results.
- **Responsive Design:** The platform adapts to different devices, ensuring accessibility for all users.

3.2 Advantages and Disadvantages

3.2.1. Advantages

Accessibility: The web-based nature of the Online Quiz Master makes it easily accessible to users with internet connectivity, enabling remote learning.

Real-time Feedback: Immediate feedback for quiz takers promotes a more interactive learning experience.

Scalability: The system can scale to accommodate a large number of users and quizzes, making it suitable for educational institutions of all sizes.

Security: Stringent security measures are in place to protect user data and ensure data privacy.

User-Friendly Interface: The intuitive and visually appealing design makes it user-friendly for both educators and students.

3.2.2 Disadvantages

Dependence on Internet Connectivity: Users must have access to the internet to use the platform, which may be a limitation in areas with poor connectivity.

Technical Requirements: Educators and students need access to compatible devices and web browsers.

Learning Curve: Some users may require time to become familiar with the platform, particularly if they are new to online learning.

Maintenance and Updates: Regular maintenance and updates are necessary to keep the platform secure and efficient

Chapter 4

Project Setup and Library Requirements

4.1 Library Requirements

- **asgiref==3.2.7:**
Description: asgiref is a Python library that stands for "Asynchronous Gateway Interface Reference." It provides a low-level framework for building asynchronous web applications and servers, making it easier to handle asynchronous communication in Python web applications. asgiref is commonly used in conjunction with web frameworks like Django to enable asynchronous functionality in web applications, improving their performance and scalability.
- **Django==3.0.5:**
Description: Django is a high-level Python web framework that simplifies and speeds up the development of web applications. It follows the "batteries-included" philosophy, offering various built-in features for tasks like handling databases, authentication, and templating, among others. Django promotes clean, maintainable code and supports both synchronous and asynchronous programming, making it a versatile choice for developing a wide range of web applications.
- **Django-widget-tweaks==1.4.8:**
Description: Django-widget-tweaks is a popular Python library used in Django web applications. It provides additional template tags to simplify working with form widgets in Django templates. With Django-widget-tweaks, you can easily customize the rendering of form widgets and apply various CSS classes, attributes, and other HTML attributes to them directly within your template files. This library streamlines the process of creating dynamic and aesthetically pleasing forms in Django projects by enhancing the control and flexibility over form widget rendering.
- **pytz==2020.1:**
Description: pytz is a Python library that provides support for working with time zones. It allows you to manipulate and convert datetime objects while taking time zones into account. pytz is particularly useful when dealing with datetime information in applications that need to handle time zone conversions, daylight saving time, and other time-related calculations accurately. It provides a comprehensive database of time zone information and functions for performing operations with awareness of time zones, making it an essential tool for working with date and time data in Python applications.
- **sqlparse==0.3.1:**

Description: sqlparse is a Python library used for parsing SQL queries and statements. It can be helpful in various applications where you need to work with SQL code, such as database management tools, query optimization, or SQL syntax highlighting in text editors and IDEs.

4.2 Project Execution Guide

- Create Admin account using command

```
py manage.py createsuperuser
```

- Install Python(3.7.6) (Dont Forget to Tick Add to Path while installing Python)

- Open Terminal and Excecute Following Commands:

```
python -m pip install -r requirements.txt
```

- Download This Project Zip Folder and Extract it

- Move to project folder in Terminal. Then run following Commands :

```
py manage.py makemigrations
```

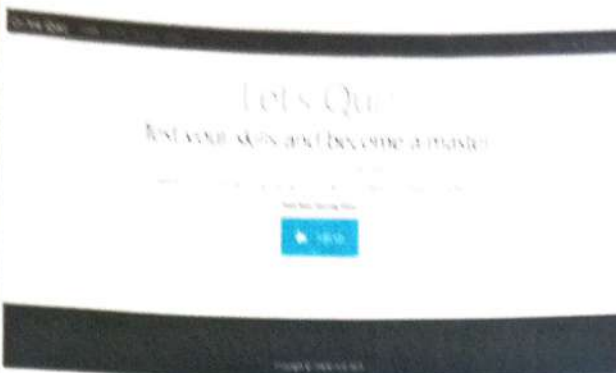
```
py manage.py migrate
```

```
py manage.py runserver
```

- Now enter following URL in Your Browser Installed on Your Pc

<http://127.0.0.1:8000/>

4.3 Screen Shots



Home Page



Student Page



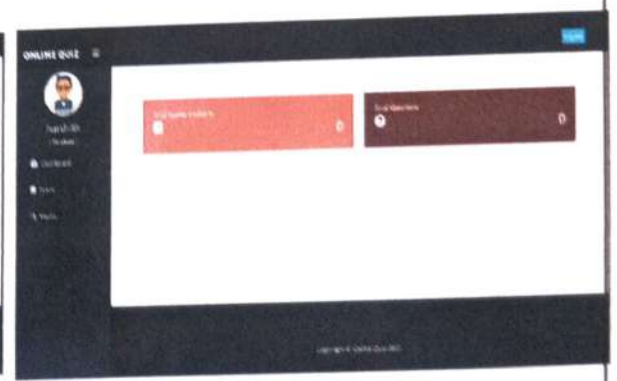
Admin Login



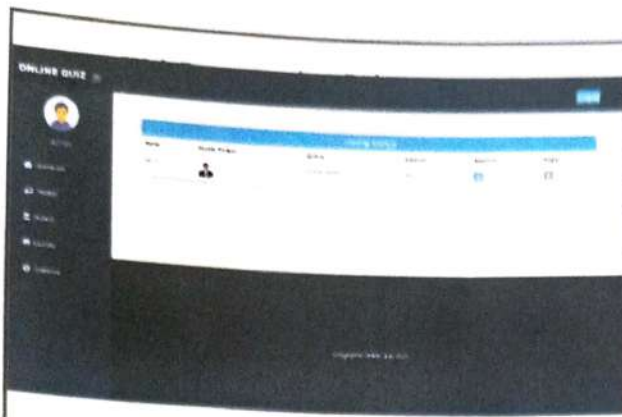
Admin index



Student Signup



Student index



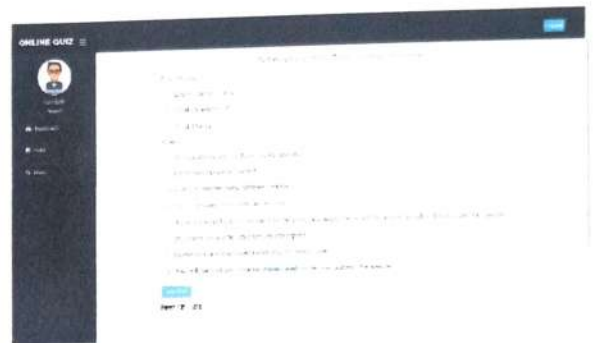
Admin Approval



Add Question



Student Marks



Rules



Quiz

Conclusion

The Online Quiz Master project is a testament to the power of web technologies in facilitating effective online learning and assessment. It successfully fulfills its primary objectives and provides an efficient solution for educators and organizations. The combination of HTML, CSS, JavaScript, and Django has enabled the development of a robust and feature-rich application.

The Online Quiz Master project not only excels in its technical aspects but also greatly enhances the learning experience for students and participants. By offering a user-friendly interface, instant feedback, and detailed performance analytics, it fosters a dynamic and engaging learning environment. Educators can easily create quizzes tailored to their curriculum, track progress, and identify areas where students might need extra support, ultimately leading to more effective teaching and learning outcomes.

Furthermore, the adaptability and scalability of the project ensure that it can evolve with changing educational requirements. As online education continues to grow in popularity, the Online Quiz Master project stands as a versatile tool that can be extended and customized to suit a variety of educational settings and needs. Its robust architecture and the use of industry-standard technologies make it a reliable choice for educators and organizations looking to harness the potential of online quizzes and assessments to improve the quality of education in the digital age.

References

1. Smith, J. (2022). "Emerging Trends in Web Development: A Comprehensive Analysis." *International Journal of Web Technologies and Applications*, 15(3), 45-58.
2. Patel, A., & Kim, S. (2021). "Responsive Web Design: Best Practices for Cross-Platform Compatibility." *Web Development Quarterly*, 8(2), 77-92.
3. Garcia, M., & Jones, R. (2023). "Enhancing User Experience through Progressive Web Apps." *Journal of Frontend Development*, 12(4), 123-136.
4. Wang, Q., & Chen, L. (2022). "Web Accessibility Guidelines and Their Impact on User Engagement." *Journal of Web Engineering*, 19(1), 31-44.
5. Williams, E., & Miller, P. (2021). "Security in Web Development: Mitigating Common Vulnerabilities." *Cybersecurity and Web Development Review*, 6(3), 67-82.
6. Brown, S., & Gupta, R. (2023). "Scalability Challenges in Modern Web Development: A Case Study of Cloud-Based Solutions." *Web Engineering and Scalability*, 10(2), 55-68.
7. Anderson, D., & Lee, H. (2022). "The Role of JavaScript Frameworks in Modern Web Development." *Journal of Web Technology Trends*, 14(1), 87-100.
8. Jackson, M., & Patel, S. (2021). "E-commerce Development Strategies: A Comparative Analysis of Magento and WooCommerce." *Web Commerce Insights*, 7(4), 109-122.
9. Hernandez, A., & Smith, K. (2023). "Web Development in the Age of AI: Automating Routine Tasks with Machine Learning." *Artificial Intelligence and Web Development*, 16(2), 35-48.
10. Clark, T., & White, B. (2022). "Content Management Systems: Choosing the Right CMS for Web Development Projects." *Journal of Content Management*, 9(3), 59-72.

YouTube Videos:

1.

- **Channel Name:** Code with Harry.
- **Title of the video:** Django Tutorial In Hindi
- **YouTube:** https://youtu.be/JxzZxdht-XY?si=p1Eb_BjnVrcZOJA4

2.

- **Channel Name:** Code with Harry.
- **Title of the video:** Full Stack Web Development
- **YouTube:** <https://youtu.be/BsDoLVMnmZs?si=kjOOQfuHFbQwxW50d>

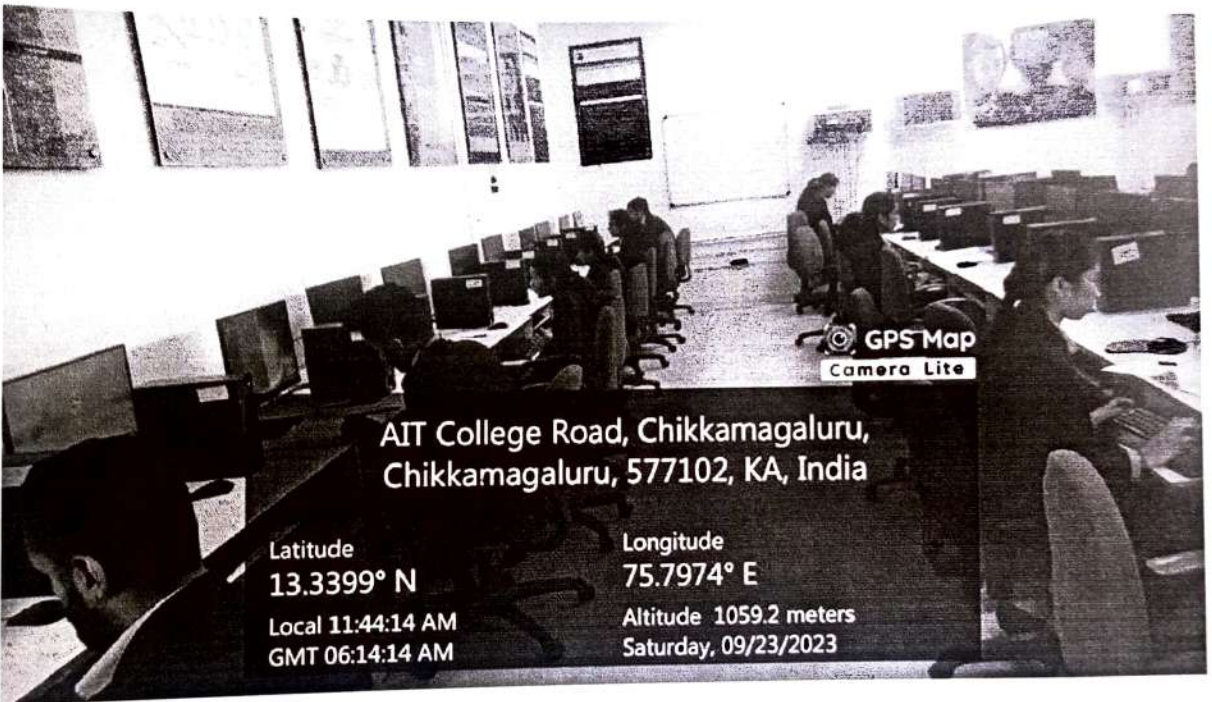
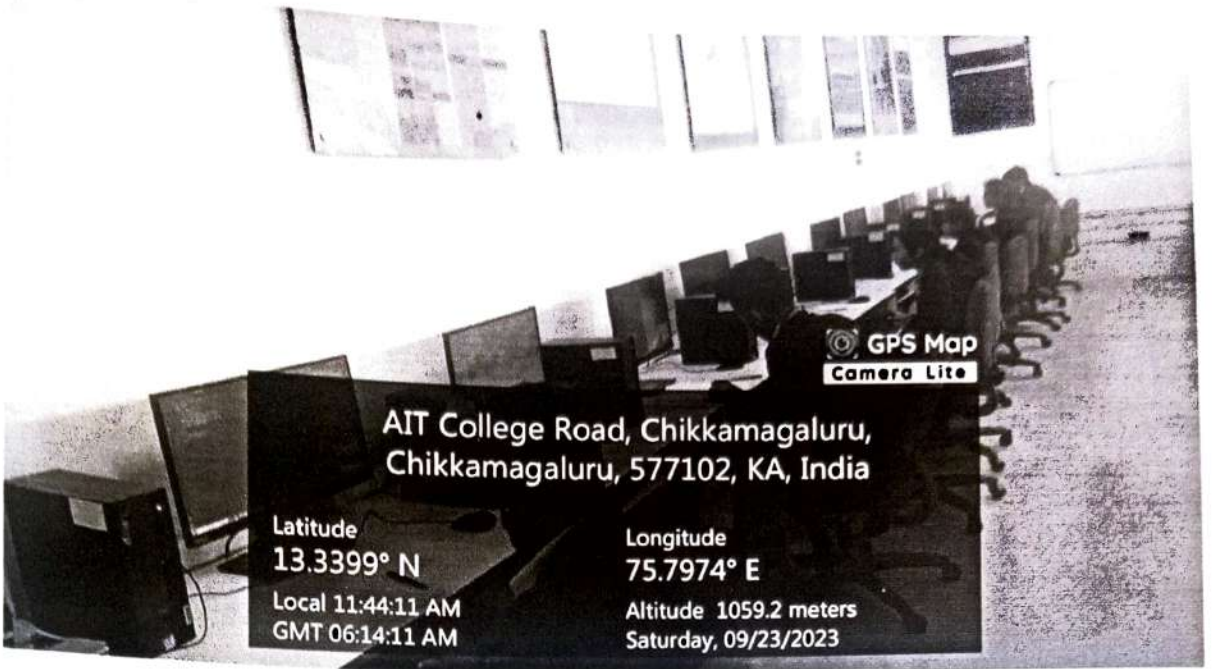
Online Source (Webpage):

1. **OpenAI:** For generating code and error detection

URL: <https://www.openai.com/research/gpt-3.5>

2. **Bard AI:** For generating code and error detection

URL: <https://www.bardai.com>



B.E Fourth Semester Students working on their Mini Project assigned to them in the Web Programming Lab



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
Department of Computer Science & Engineering



Academic Year: 2023-2024	Class: BE
Semesters: 1st 'A' and 'B'	Date: 6/12/2023 , 7/12/2023
SUBJECT: INNOVATION AND DESIGN THINKING	SUBJECT CODE: BIDTK158


Innovative Teaching Methods

Title of Innovative method/activity: GROUP DISCUSSION

Name of the Faculty: KEERTHISHREE B T

Objective of Method:

- Students are able to discuss the methods of implementing design thinking in the real world.
- Students are able to explain the concept of design thinking for product and service development
- Students are able to explain the fundamental concept of innovation and design thinking
- Students are able to present their idea on different innovation and design techniques.
- Thinking ability of the students is enhanced.


Signature of HOD
Professor and H.O.D.
Department of Computer Science and Engg.
Adichunchanagiri Institute of Technology
CHIKMAGALUR - 577102

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

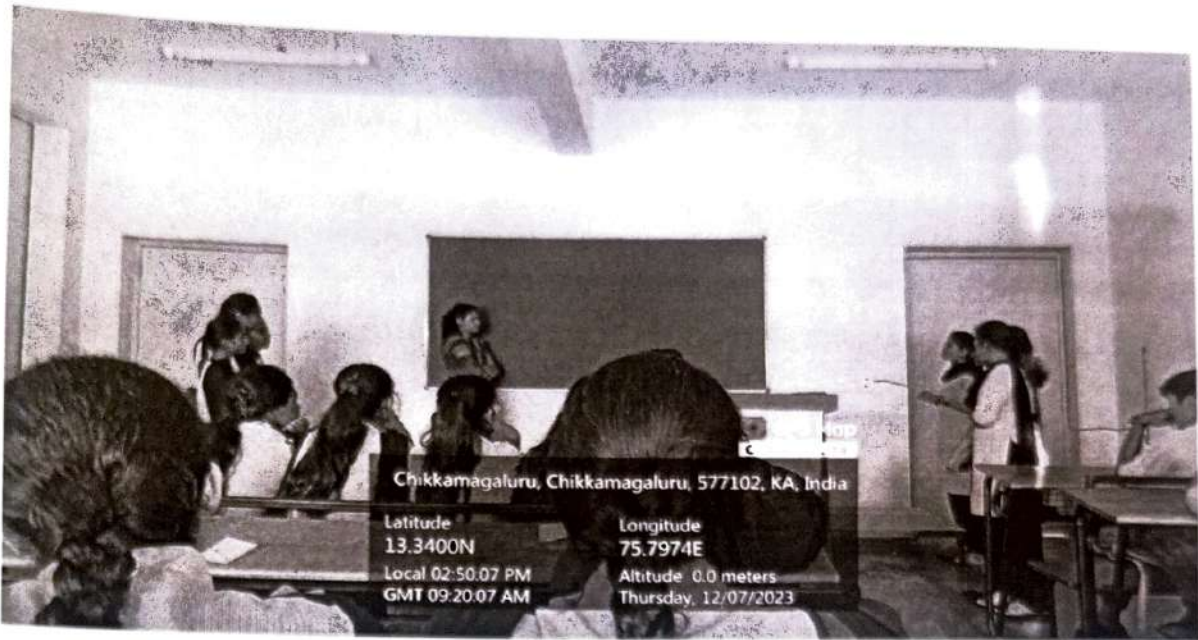
1st Sem CSE - 'A' GROUP DISCUSSION

STUDENTS DETAILS		STUDENTS DETAILS	TOPIC
[Soft skills matters] Deekha Ankitha Depna Rafiya	VS	[Technical skills matters] Afra m Bi Bi fathima Javeriya Khanum	Soft skills matter more than technical skills
[yes] Veerendra Swamy Sridhar Abhishek T Nithin	VS	[No] Siddique Ashish Likith Harshith	IT industry creates more job in India
[Innovation] Mohammed Zaid Rihan Abhishek MD Mithun N	VS	[Invention] Shan Ahmed Darshan NagaRudresh Dhanush Amith	Innovation Vs Invention
[Product Quality] Nandhan Nikshith Abhishek Adharsh KD	VS	[Marketing] Chaithra Rakshitha K G Trisha Lakshmi	Product Quality Vs Marketing
[Yes] Mukthamba Kavya KT Dharithree	VS	[No] Mamatha Megha Deepthi Preksha A S	Advertising is all Glitter
[agriculture] Ananya SH Shraddha Shravya Charvi	VS	[Manufacturing Industry] Arbia Amulya Madhushree Afra Fathima	Agriculture Vs Manufacturing Industry
[Digital Marketing] Ananya TK Hemavathi Ashwinin Achinthya Akhil	VS	[Traditional marketing] Sowmya Amrutha Chandana Varshitha Shetty	Should a Start-up invest more in digital marketing or go with traditional marketing
[Yes] Kavya CK Ashritha Namratha	VS	[No] Gagana Sushmitha Aishwarya Nisarga Rakshitha MR	Do deadlines negatively impact creativity.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

1st Sem CSE –‘B’ GROUP DISCUSSION

STUDENTS DETAILS		STUDENTS DETAILS	TOPIC
[Replace Humans] Deepika Manya Sabha Sakshi	VS	[Assist Us] Rithu Shresta Shreya Naidile	Will AI Replace Humans or Assist Us?
[Books] Pooja Vagmi Nikhitha Sammitha	VS	[Screen] Harshitha Sinchana AT Spandana Thrushitha	Books Vs Screen
[Necessary] Sandhya Sahana Bharati Roopa Sruthi	VS	[Not necessary] Navya B C Pallavi D O Sanjana AP Supriya MS Tejaswini	Ban on Chinese Apps was necessary
[Yes] Tanisha Tejaswini S Sinchana KS Sneha S	VS	[No] Smitha HA Tejaswini BT Suptha Thanushree S	Is Equality a myth?
[Yes] Gokul Vishwas Sarvesh Poorna Chandra yogin	VS	[No] Zaid Siddharth Sharavana Vinay R Sujoy	Are influencers really influencing ?
[Teamwork] Nanda Kumar Rishi Samartha Sagar Prajwal Sumanth	VS	[Individual work] Shrivasta Sharath MN Nuthan kanth Rajath G	Teamwork Vs Individual work



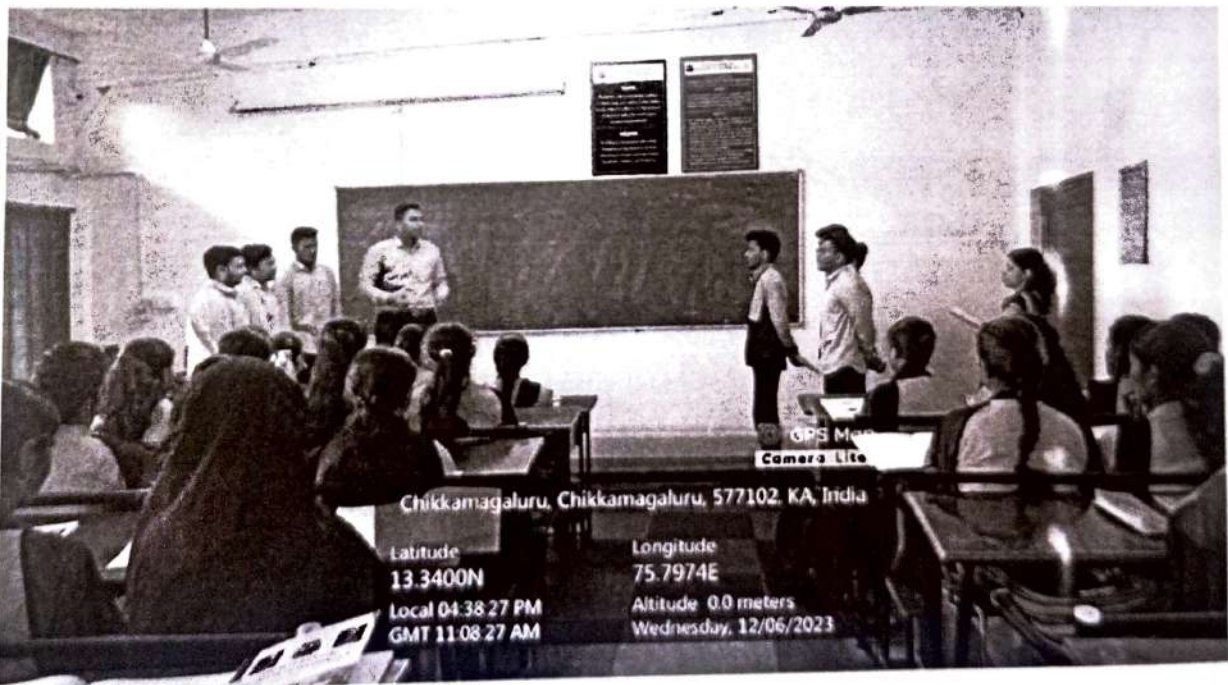
Chikkamagaluru, Chikkamagaluru, 577102, KA, India

Latitude
13.3400N

Longitude
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Local 02:50:07 PM
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Altitude 0.0 meters
Thursday, 12/07/2023



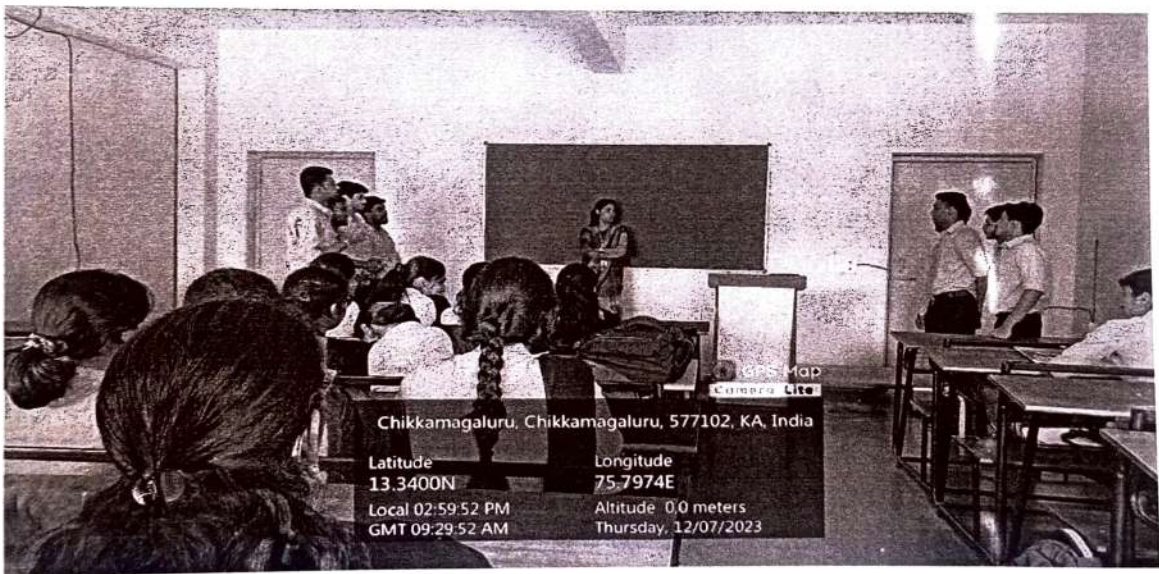
Chikkamagaluru, Chikkamagaluru, 577102, KA, India

Latitude
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Longitude
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Local 04:38:27 PM
GMT 11:08:27 AM

Altitude 0.0 meters
Wednesday, 12/06/2023



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi- 590 018



**Technical Seminar Report
On**

"Why a Should Start-up invest more in digital marketing"

Submitted in partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

Under the Guidance of

Mrs. Keerthishree B.T., B.E.,M.Tech.,

Assistant Professor,
A.I.T, Chikkamagaluru

Submitted by:

Ananya T.K

Akhil

Hemavathi

Ashwini

Achinthya B.S



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY**

(Affiliated to V.T.U. Belagavi, Recognized by AICTE, New Delhi & Accredited by NBA)

CHIKKAMAGALURU-577102, KARNATAKA

2023- 2024

Digital marketing:

Meaning:

Digital marketing is also called as online marketing is the promotion of brands to connect with potential customers using the internet and other forms of digital communication.

This includes not only emails, social media and web based advertising, but also text and multimedia messages as a marketing channel.

Needs for digital marketing.

* Affordability :- Digital marketing is considerably less expensive than other marketing methods. Specific prices vary based on what you are doing but and spend tends to be lower than other forms.

* mobile access :- Digital marketing helps to reach while they are doing this, with remarketing ads, email, and text marketing and social media.

* Flexibility :- There are many forms and uses of high quality digital marketing and social media posts. Thus by learning how to creatively market digitally, we open up a wide range of possibilities for future publicity strategies.

* Global Reach :- Digital platforms enable businesses to reach a global audience without the constraints of geographic limitations, opening up new markets and opportunities.

* SEO Benefits :- Digital marketing strategies, including search engine optimization (SEO), enhance a brand's online visibility.

Making it easier for potential customers to find products or services through search engines

* Easier Customer Relationship management :- Digital tools facilitate customer relationship management (CRM), helping businesses maintain and nurture relationships with their audience through personalized communication

* Social proof and Reviews :- Online platforms allow for the 'easy' sharing of customer reviews and testimonials, contributing to social proof and influencing the purchasing decision of potential customers.

* Flexibility and Scalability :- Digital marketing campaigns can be easily scaled up or down based on business needs, providing flexibility in adapting to changing market conditions.

- How to measure and analyse DM campaigns?
- Set specific goals and KPI's:
The first step is measuring and analysing DM campaigns is the set specific goals and KPI's.
- use analytics tools:
There are several analytics tools available that can help to track and measure the performance of DM Campaigns.
- Monitor, Social media matrix:
Social media is an essential part of any digital marketing campaigns and monitoring social media
- A/B Testing:-
It is a technique that involves testing two versions of DM campaign to determine which one platform is better.
- Continuously analyse and optimize:
Analysing and optimizing DM campaigns should be an ongoing process. By regularly monitoring KPI's & matrix.
- use attribution models:
Attribution models help to understand which touch points in the customer journey contributed to conversions.
- Analyse social media matrix:
Social media is an essential component of DM campaign, it provides a platform to engaged with customers & promote brand.

◦ Focus on efforts :

A marketing strategy helps to narrow focuses on the areas where you will have the most success.

◦ Improve effectiveness :-

By combining all the above benefits a strategy really just helps to improve the effectiveness of digital marketing efforts without a strategy.

◦ How to plan a digital marketing campaign :

Seasoned marketers understand the need for defining goals at the start of any campaign. There are plenty of decisions to make when creating marketing campaigns.

◦ Identify target audience :

Knowing a target audience helps to improve the effectiveness of marketing campaign. It can also help save resources by narrowing the focus of marketing efforts.

◦ Access Budget :

Setting a realistic budget is essential because it helps to determine what can accomplish with the resource you have. Fortunately digital marketing campaigns are cheaper than traditional marketing.

◦ Know what you are creating :-

Obviously a DM campaign requires some sort of digital media that means we need to determine what we are creating.

◦ Measure the digital campaigner success :-

It is essential to use a reliable system to measure the success of campaigns for the best result.

How to allocate the budget for digital marketing

- * Set Clear Goals:- Define your marketing objectives, whether it's increasing brand awareness, driving website traffic, generating leads, or boosting sales.
- * Understand your Audience:- Identify your target audience and the platforms they frequent. Allocate more budget to channels that align with your audience's preferences.
- * Channel Allocation:-
 - Search Engine Marketing (SEM): Allocate budget based on keywords relevant to your business.
 - Social media marketing: Consider the platforms where your audience is most active.
 - Content marketing: Allocate funds for creating valuable content that resonates with your audience.
- * Performance Analysis:- Regularly analyze the performance of each channel. Adjust the budget based on the channels delivering the best results.
- * Seasonal considerations:- Adjust your budget based on seasonal trends and peak periods for your industry.
- * Testing and optimization:- Allocate a portion of the budget for testing new strategies and optimizing existing campaigns.
- * Technology and Tools:- Invest in marketing tools and technology that can enhance your campaign performance and efficiency.

* Allocate for Different funnel stages:-

Consider allocating budget across the marketing funnel stages - awareness, consideration and conversion.

* Competitor Analysis:-

Keep an eye on your competitors and adjust your budget to stay competitive.

* ROI monitoring:-

Continuously monitor and measure the return on investment (ROI) for each channel. Adjust your budget based on the channels that provide the best ROI.

Types of Digital Marketing Strategy:

Inbound marketing: Inbound marketing refers to the whole ecosystem of strategy, tools and techniques that a marketer uses to convert a website visitor into a paying customer, it includes content marketing, email marketing, website analytics.

Content Marketing: Content marketing is focused on answering people's question and truly helping them through content rather than interrupting them with unsolicited promotion. It includes content such as videos, ebooks, case studies.

ABM: Account Based Marketing is a powerful B to B marketing strategy that targets specific accounts. It's intended to help sales and marketing teams. With ABM we can target the accounts that are most important.

SEO: Search Engine Optimisation is the process of optimising website and content in order to achieve higher ranking in search engine.

Social Media marketing: SMM uses social media platforms like facebook, twitter, and instagrams to promote content and product services.

Email Marketing: EM is the practise of sending promotional and informational emails to build relationship with audiences. convert prospects into

buyers and turn one-time buyers into loyal customers of the brand.

PBC Advertising: Pay per click advertising is a strategy in which the advertiser pay every time a user clicks on one of our ads.

Video Marketing:

Video used to promote products, services and brand, may include product interview with thought leaders in industry.

How to build digital marketing strategy

1. Set goals and objectives:

Before decide on a digital marketing strategy, establish and document short & long term goals after decide a strategy.

2. Consider buyer personas:

It's impossible to create an effective DM strategy unless you understand the people you are trying to target.

3. Audit your assets:

Gain a thorough understanding of what your business already has done by documenting current digital assets.

Pay per click advertising - Pay per click advertising enables marketers to reach internet users on a number of digital platforms through paid ads. Marketers can setup PPC campaigns on people, google, twitter, facebook, instagram and show their ads to people searching terms related to products and services.

Content Marketing - The goal of content marketing is to reach potential customers through the use of content that impress them. Content is usually published on a website and then promoted through social media, email marketing, search engine optimisation or even through pay per click campaign.

Email Marketing - Email marketing is still one of the most effective digital marketing channels. Many people confuse email marketing channels. Many people confuse email marketing with spam email messages, but that's not what email marketing is about. This type of marketing allows campaigns to reach potential customers.

Social media Marketing - The primary goal of a social media marketing campaign is to build brand awareness and establish social trust. Social Media can obtain direct marketing and sales channels, promoted post and direct ads that examples of SMM.

Affiliate Marketing - Affiliate marketing is one of the oldest forms of marketing and the internet at given it new life with affiliate marketing, influencers promote other people's products and get a commission every time a sale is made or a lead is introduced. Many well-known companies including amazon have affiliate programmes that pay out millions of dollars per month to website that sell their products.

Video Marketing - YouTube is one of the most popular search engines in the world a lot of internet users turn to youtube before making a buying decision.

SMS - messaging - Companies and non-profit organisations also use text messages to send information about their latest promotions or give opportunities to willing customers.

Digital Marketing students -

Meaning: A digital marketing degree will teach how to harness digital skills to connect with online consumers.

Types

- 1) Affiliate marketing
- 2) Social media marketing
- 3) Email media.
- 4) Social media
- 5) Search engine optimization

SEO - SEO is a basic DM skill we can learn it from the comfort of our home without disturbing our studies.

Search engine marketing - SEM is a paid form of marketing it makes the website listing appear at the top of the search results page on a search engine.

Digital marketing profession -

Meaning - Digital marketing manager is professional who is responsible for maintaining a brand's online presence and sales by working on various marketing campaigns. His duties include research strategy with other professionals and creating content for successful campaigns.

Advantages of Digital Marketing -

1) Brand development - A business is not just about the name and products of the company instead, it is the voice

and the message of the brand, which is needed to be established in the market so that not only the brand receives a broader reach but also people look upon the brand as a trusted name. The main advantage of digital marketing is to build the brand through direct campaigns and personalized content to bring the customer much closer.

Personalization - Digital marketing campaigns impact the leverage of personalization. The indisputable advantage of digital marketing is its ability to find out the target audience, interact with the prospects and know exactly what they are looking for. Knowing and interacting with the audience is essential to brand loyalty and reputation.

Wider reach - Digital marketing helps expose the brand's presence and creates a platform to reach many customers. The brand becomes global with digital marketing providing the platform for global display, allowing even new comer and start-up brands to have an equal chance with big and established enterprises dominating the traditional market.

Accessibility - The advantage of digital marketing is that it makes the brand accessible to the customers, as there is always a chance that existing customers may want to leave reviews for a good store experience and plan a recommendation for their friends. Thus digital marketing provides a platform for customers to peer down their reviews.

Great Engagement - Digital marketing is advantageous as it allows the brand to get hold of the customer's attention until the brand is successfully great and creates brand loyalty and developed and credible reputation.



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
Department of Computer Science & Engineering



Academic Year: 2023-2024	Course: B.E
Semester: VII 'A' and 'B'	Date: 26/12/2023
SUBJECT: NETWORK MANAGEMENT	SUBJECT CODE: 18CS742

Innovative Teaching Methods

Title of Innovative method/activity: POSTER PRESENTATION

Name of the Faculty: KAVYA T M and SARITHA N

Objectives of Method:

- The best advantage of poster making is that it facilitates team work and understanding along with facilitating creative thinking and extensive research and reading. Students can able to apply suitable techniques for management of different resources.
- It provides students with an opportunity to learn by doing, in turn strengthening the learning.
- Students are able to visually represent the key points and while presenting elaborate on the same which facilitates their retention and recall of events and facts.
- Poster making and presentation is also an effective tool for evaluating the students' knowledge and creates opportunities for active discussion and participation

Signature of HOD
Professor and H.O.D.
Department of Computer Science and Engg.
Adichunchanagiri Institute of Technology
CHIKMAGALUR - 577102

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY , CHICKMAGALURU

Subject :NETWORK MANAGEMENT (18CS742)
Dept :COMPUTER SCIENCE AND ENGINEERING
Dept-CS Semester: 7 Section: A
Faculty Name: Mrs Kavya T M

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8	Anjani S Singh	4AI20CS011
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33	Pavan N	4AI20CS067
34	Preetham Gowda C B	4AI20CS070
35	Priya K M	4AI20CS071
36	Priyanka K	4AI20CS072
37	Rakshita	4AI20CS073

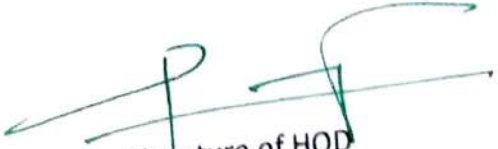
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45	Sanath D U	4AI20CS087
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67	Bhoomika S P	4AI20CS127
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70	Ranjita Laxman Naik	4AI21CS405
71	Sanjay K Y	4AI21CS407
72	Vinay M N	4AI21CS410


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SUBJECT: NETWORK MANAGEMENT (18CS742)
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 Dept: CS Semester: 7 Section: B
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"Jnana Sangama", Belagavi- 590 018



POSTER PRESENTATION REPORT
ON

"BROADBAND ACCESS TECHNOLOGIES"

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING

Under the Guidance of

Mrs Kavya T M B.E., M.Tech.,

Assistant Professor, Department of CS & E

Adichunchanagiri Institute of Technology

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Submitted by

BHOOMIKA G V (4AI20CS018)

SINCHANA B R (4AI20CS101)

SRIDEVI K S (4AI20CS103)



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(Affiliated to V.T.U, Belagavi and Approved by AICTE, New Delhi)
CHIKKAMAGALURU-577102, KARNATAKA

2023- 2024

BROADBAND ACCESS TECHNOLOGIES

- Broadband access network provides high speed network access through multiple types technologies.
- Three different types of customers have access to the broadband network :
 1. A corporate or enterprise user who has a campus wide network.
 2. The service provider.
 3. A residential and small business customer who has multimedia requirements.
- They neither have sophisticated LAN environment nor large bandwidth requirement in both directions.
- In the first customer type, access to broadband WAN for enterprise customers is accomplished by optical fiber link from the WAN Router to a campus device it could either be a switch or a router.
- The second type of user a service provider can be: a cable operator or a local exchange carrier or telephone company or a multiple system operator who multiplexes several services.
- The interface to the WAN in this case is through gateway.
- The physical link between the gateway and the WAN depends on the demographic configurations.
- A gateway is a network node used in telecommunications that connects two networks of different protocols together.
- Gateway serve as an entry and exit point for a network as all data must pass through or communicate with the gateway prior to being routed.



- The third type of customer namely small business office is the focus of broadband access network and technology.
- The addressing to the wired access networks including passive optical network.
- Four categories of Access Technologies are currently available either in deployable or developmental stages for connection to residential and small business customers

Access networks to customer premises from the backbone MPLS/ATM/IP WAN are shown in the below figure :

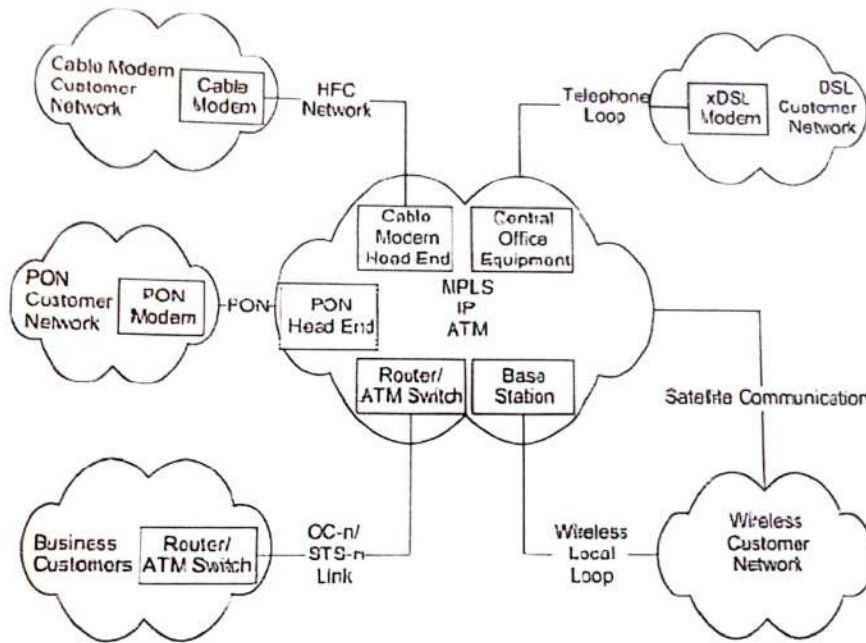


Fig : Broadband Access Network

- Two Axis networks that are extensively deployed now are :
 1. Networks based on HFC(Hybrid fiber coaxial)/ cable modem(CM)
 2. Digital subscriber line(DSL)
- The Axis network based on either of these two technologies could support the use of voice, video and data equipment.
- In case of cable access network, information to the CM at the customer site is transmitted through HFC network from the head end located at the MSO facility.
- The Axis network based on DSL uses the existing twisted pair loop facility from the central office to the customer premises

- The third and fourth access networks, which are a Wireless Customer Networks and a PON, which are in the early stages of deployment and are trailing behind cable and ADSL
- There are various DSL technologies, based on which one is being deployed, that particular type of xDSL modem is used at the customer premises.
- Another method of getting broadband service to home is via satellite communication network
- This is primarily one way to the customer location and it's not easily amenable for interactive broadband communication due to large propagation delay.
- It is however weak in industrial and hard to reach rural applications.

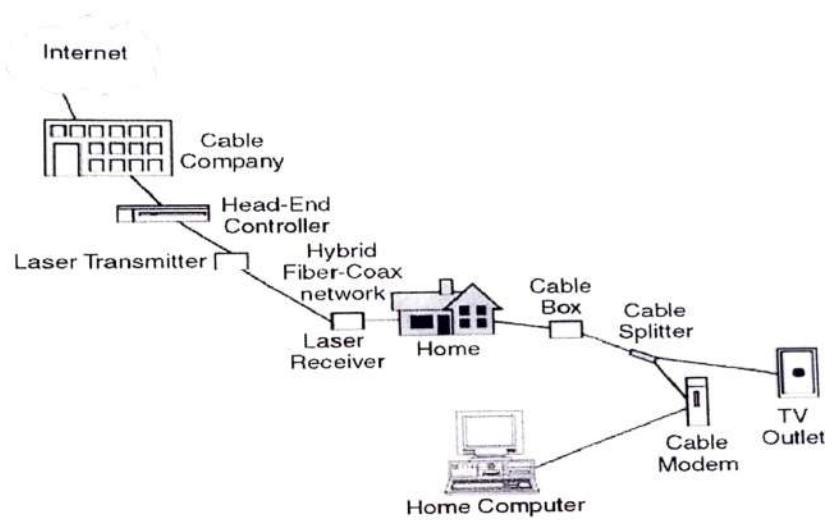


Fig : Networks based on HFC/CM

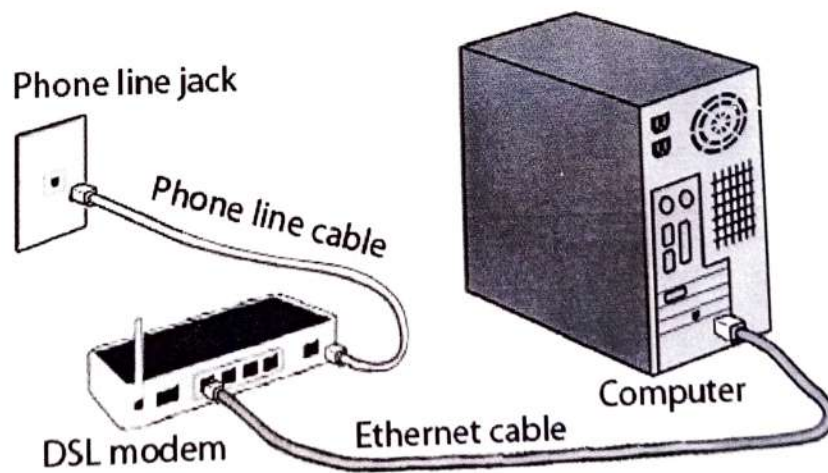


Fig : Digital subscriber line(DSL)

Four modes of access using four different technologies:

1. Cable
2. DSL
3. Wireless
4. PON communication

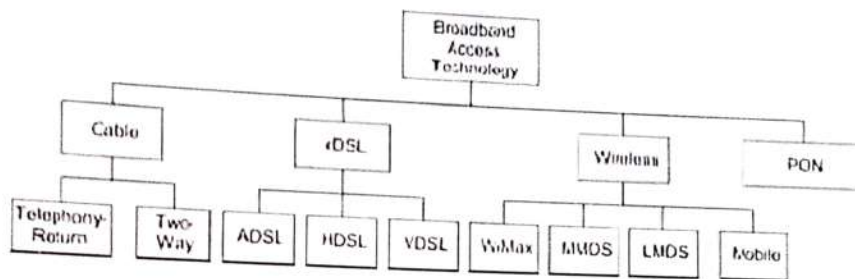


Fig : Four modes of access

1) Cable:

Cable access network technology uses television transmission facilities and Cable Modems and is the most widely deployed access network in North America. Cable access network could be implemented as either one way with telephony-return or two way. In the one way telephony return configuration the downstream signal to the customer traverses the cable medium, the return upstream signal from the customer premises is carried over the telephone facilities using a regular modem.

For example, the residential customer may make a request for a movie or download programmes from the Internet such requests require small bandwidth, the transmission of a movie and digital video are downloading of programme to the customer site requires large bandwidth. In a two-way mode of cable access network technology both upstream and downstream are handled by the HFC medium using CM's.

2) xDSL : x-digital subscriber line(DSL)

The DSL has three different implementations and it is referred as xDSL: x stands for asymmetric or a high-speed H and very high data rate V. All are based on using existing local loop telephone facilities. Single wire for telephone line and Internet. 70%Internet, 30% telephone line. User can use both telephone and internet at the same time. It is a communication medium which is used to transfer internet through copper wire telecommunication line.

Asymmetric digital Subscriber line:

It provides a wide range of frequency for downstream transfer, which offers several times faster. Most users download data, than they upload. ADSL provides a high data rate in only one direction. It enables fast download speeds but significantly slower upload speeds.

High-rate digital subscriber line:

HDSL provides, a bidirectional high-data-rate service, that can accommodate services such as video conferencing, that require high data rates in both directions.

Very high-rate digital subscriber line:

A variant of HDSL is very high-rate digital subscriber line (VHDSL), which provides an HDSL service at very high data transfer rates. VHDSL supports high bandwidth applications such as VoIP(Voice over internet Protocol). VHDSL can achieve data rates up to approximately 10 Mbps, making it the fastest available form of DSL.

3) Wireless:

Wireless access technology uses wireless transmission for the downstream link to the customer site and either through wireless or telephony return for the upstream link from the customer site. Wireless access network can be implemented either as fixed wireless or mobile wireless. Various frequency spectra and technologies are used in wireless transmission. WiMax stands for Worldwide Inter-operability for Microwave Access. Multichannel multipoint distribution service (MMDS), formerly known as broadband radio service (BRS) and also known as wireless cable, is a wireless telecommunications technology, used for general purpose broadband networking or, more commonly, as an alternative method of cable television programming reception.

4) Passive Optical Network:

A passive optical network (PON) is a type of fiber-optic network that uses optical splitters to deliver data from a single transmission point to multiple user endpoints. The architecture of PON implements a point-to-multipoint topology in which a single optical fiber serves multiple endpoints by using unpowered (passive) fiber optic splitters to divide the fiber bandwidth among the endpoints. PON and technologies technically ready for commercial deployment but has been delayed due to business considerations of costs and lack of need for large bandwidth to residential customers.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
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Under the Guidance of

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PANCHAMI V (4AI20CS065)

PRANCHANA H S (4AI20CS068)



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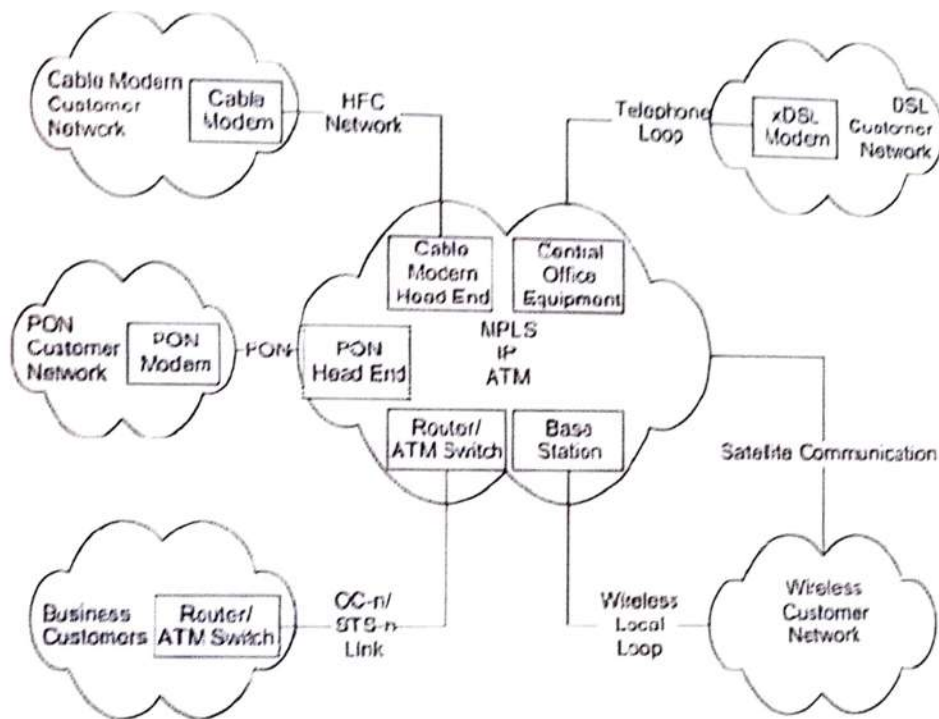


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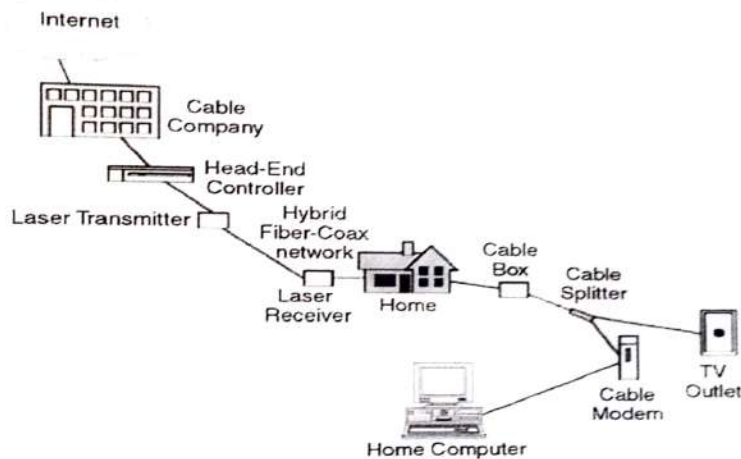


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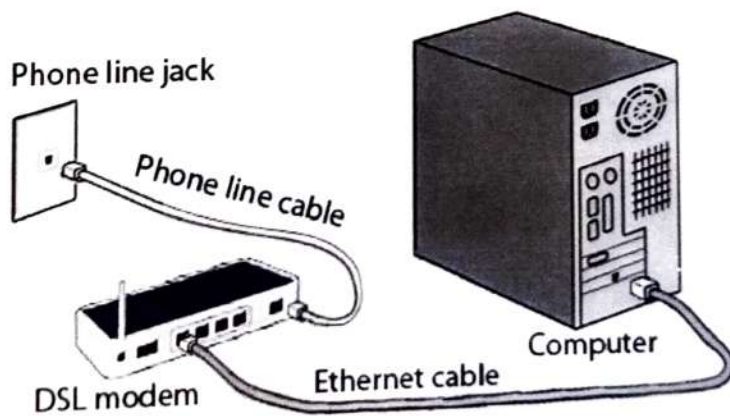


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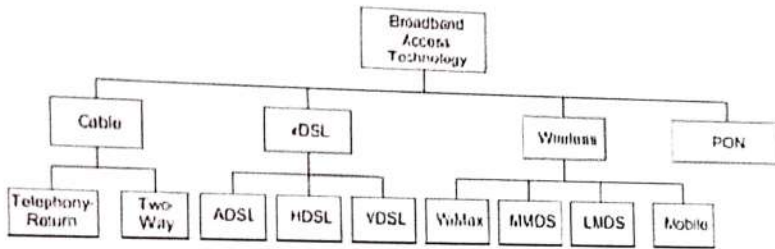


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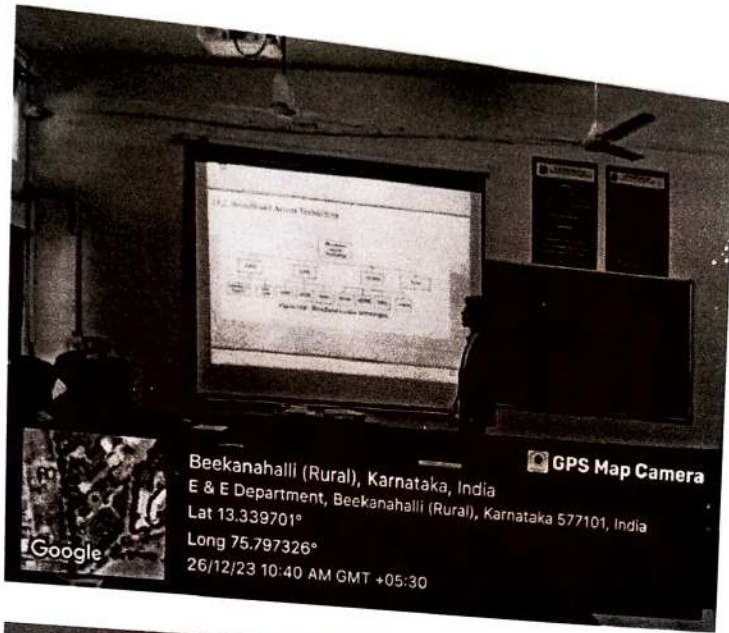
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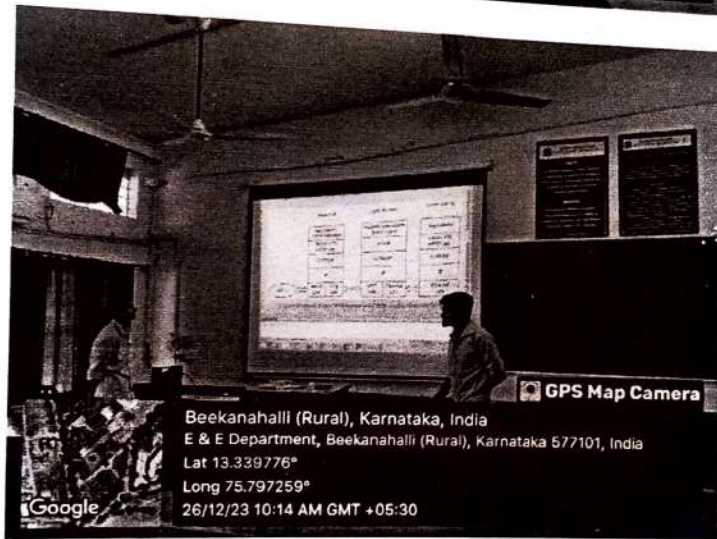
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4) Passive Optical Network:

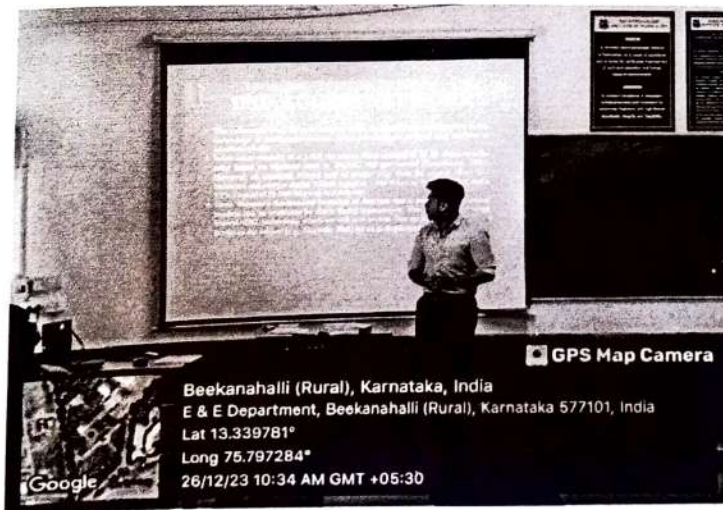
A passive optical network (PON) is a type of fiber-optic network that uses optical splitters to deliver data from a single transmission point to multiple user endpoints. The architecture of PON implements a point-to-multipoint topology in which a single optical fiber serves multiple endpoints by using unpowered (passive) fiber optic splitters to divide the fiber bandwidth among the endpoints. PON and technologies technically ready for commercial deployment but has been delayed due to business considerations of costs and lack of need for large bandwidth to residential customers.



GPS Map Camera
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ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
Department of Computer Science & Engineering



Academic Year: 2022-2023	Class: BE
Semesters: IV 'A' and 'B'	Date: 05/09/2023
SUBJECT: OPERATING SYSTEMS	SUBJECT CODE: 21CS44

Innovative Teaching Methods

Title of Innovative method/activity: QUIZ

Name of the Faculty: CHETHAN P J and SARITHA N

Objective of Method:

- Students can able to demonstrate the need for OS and different types of OS.
- Students can able to apply suitable techniques for management of different resources.
- Students can able to use processor, memory, storage and file system commands.
- Students can able to realize the different concepts of OS in platform of usage through case studies.

Signature of HOD
Professor and H.O.D.
Department of Computer Science and Engg.
Adichunchanagiri Institute of Technology
CHIKMAGALUR - 577102

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
4TH SEMESTER 'A' SECTION

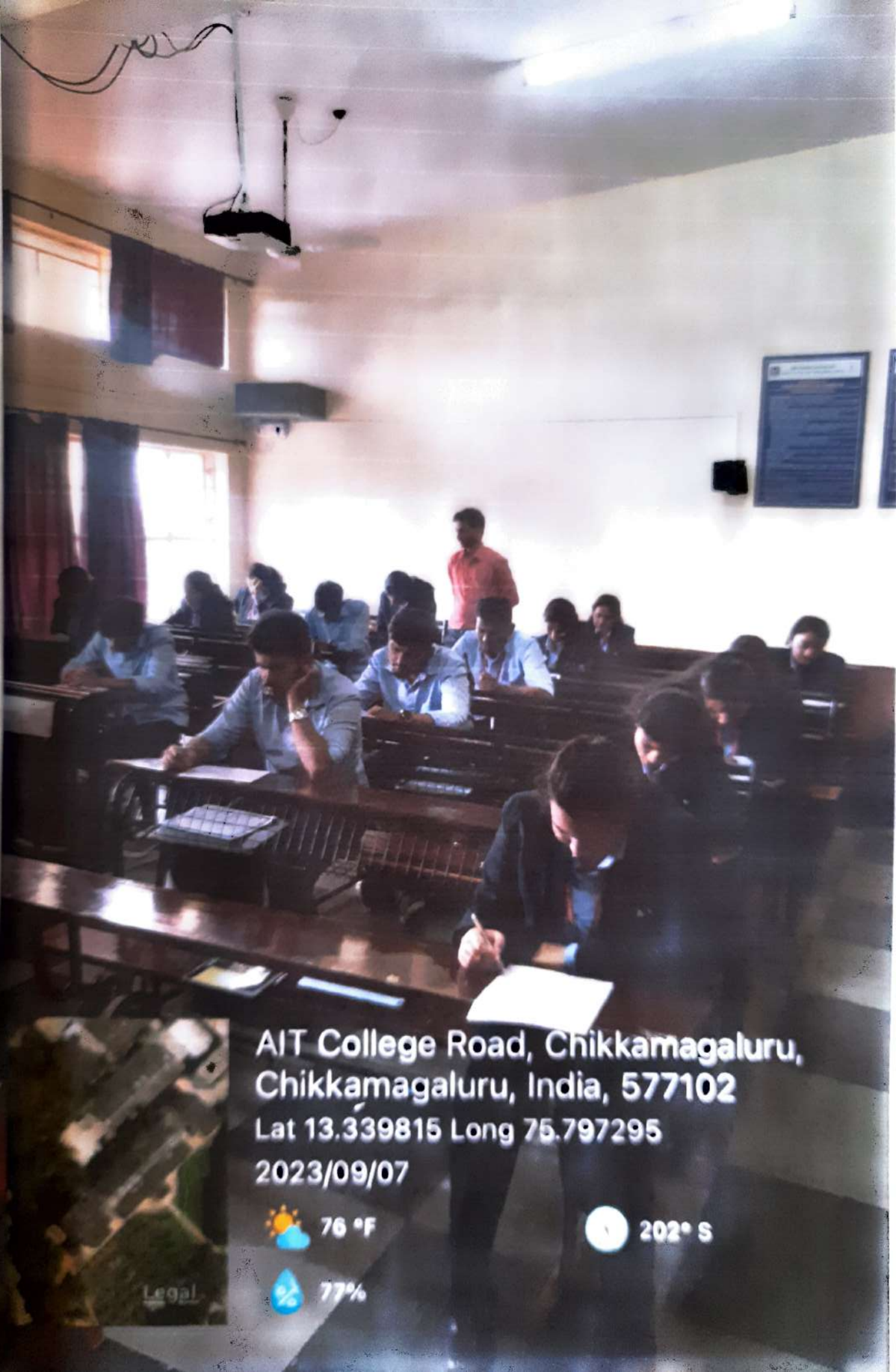
SI.NO	USN	NAME	ATTENDANCE	MARKS
1	4AI21CS001	Karanjith A N		
2	4AI21CS004	Abhishek B	P	16
3	4AI21CS005	Advi Patel Y S	P	19
4	4AI21CS008	Amrutha H N	P	18
5	4AI21CS010	Ananya H J	P	20
6	4AI21CS013	Anushree K N	P	16
7	4AI21CS014	Aptha M A	P	14
8	4AI21CS018	Bhoomika E K	P	11
9	4AI21CS019	Bindushree R	P	17
10	4AI21CS021	Darshan M A	P	17
11	4AI21CS023	Deeksha Sagar A M	P	20
12	4AI21CS027	Disha L C	P	19
13	4AI21CS028	Disha Vijaykumar	P	13
14	4AI21CS030	Fizahath H R	P	18
15	4AI21CS032	Hamsa Prakash	P	13
16	4AI21CS034	Harshitha D	P	15
17	4AI21CS037	Impana A	P	18
18	4AI21CS038	Jagruthi P	P	17
19	4AI21CS039	Jeevan M G	P	21
20	4AI21CS040	Jinu John	P	18
21	4AI21CS041	Jisha John	P	15
22	4AI21CS042	K S Impana	P	18
23	4AI21CS044	Kaushik M	P	21
24	4AI21CS045	Kavana K	P	17
25	4AI21CS046	Keerthana N R	P	16
26	4AI21CS051	Kushi B L Gowda	P	17
27	4AI21CS052	Lakshmi J	P	15
28	4AI21CS053	Lakshmi Pragna S	P	19
29	4AI21CS054	Mangalagowri A T	P	16
30	4AI21CS055	Manoj N	P	17
31	4AI21CS056	Minal J J	P	16
32	4AI21CS060	Nakul Thejas	P	8
33	4AI21CS061	Navya Prakash J K	P	18
34	4AI21CS062	Nayana D E	P	18
35	4AI21CS064	Neha S N	P	14
36	4AI21CS068	Nishchitha S A	P	9
37	4AI21CS072	Pavan K	P	17
38	4AI21CS077	Sachin Ramesh	P	19
39	4AI21CS078	Sagar G	P	21
40	4AI21CS087	Shaivy. S	P	18
41	4AI21CS089	Sheeghra K S	P	18

42	4AI21CS090	Shivani B L	P	19
43	4AI21CS091	Shoibul Akther	P	17
44	4AI21CS092	Shree Raksha R	P	13
45	4AI21CS093	Shree Roopa C M	P	19
46	4AI21CS096	Sinchana S D	P	18
47	4AI21CS100	Spoorthi K R	P	17
48	4AI21CS106	Sushruth Hebbar	P	20
49	4AI21CS109	Tejaswa D	P	19
50	4AI21CS110	Tejaswini K M	P	17
51	4AI21CS112	Upputuri Satish	P	21
52	4AI21CS113	Uthsavi M B	P	18
53	4AI21CS114	Vamshik K S	P	17
54	4AI21CS115	Varshini K	P	15
55	4AI21CS116	Varshini R	P	16
56	4AI21CS117	Varun B Vernekar	P	21
57	4AI21CS120	Vishwas S	P	19
58	4AI21CS121	Vivek S Murthy	P	22
59	4AI21CS123	Yuhina Bariz	P	18
60	4AI21CS124	Zoya Fathima	P	14
62	4AI21CS125	Deepak S Gowda	P	19
61	4AI21CS128	Puneeth Y	P	18
67	4AI22CS401	Bhagya B B	P	15
66	4AI22CS402	Bhavana L U	P	14
64	4AI22CS403	Bhavani K G	P	18
70	4AI22CS404	Hruthika M	P	15
65	4AI22CS405	kanchana R P	P	16
68	4AI22CS408	Sinchana E	P	17
63	4AI22CS409	Sudharani S M	P	14
69	4AI22CS412	Rakshitha K A	P	14

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
4TH SEMESTER 'B' SECTION

SI.NO	USN	NAME	ATTENDANCE	MARKS
1	4AI21CS002	Abdul Rahman	P	21
2	4AI21CS003	Abhinandan C	P	17
3	4AI21CS006	Aishwarya A M	P	14
4	4AI21CS007	Akash H R	P	19
5	4AI21CS009	Amrutha M D	P	17
6	4AI21CS011	Ananya K C	P	14
7	4AI21CS012	Anushree A R	P	13
8	4AI21CS015	Avishka V M	P	14
9	4AI21CS016	Avvari Venkatesh	P	13
10	4AI21CS020	Chethan Naik H S	P	14
11	4AI21CS022	Deeksha K R	P	13
12	4AI21CS024	Deekshith D L	P	15
13	4AI21CS025	Deepika B Y	P	12
14	4AI21CS026	Dheeraj Gowda M D	P	14
15	4AI21CS029	Diwakar N	P	16
16	4AI21CS031	Guruprasad K	P	15
17	4AI21CS033	Harshith S	P	20
18	4AI21CS035	Harshitha S	P	15
19	4AI21CS036	Harshitha T A	P	18
20	4AI21CS047	Keerthi B G	P	17
21	4AI21CS048	Koushik R	P	15
22	4AI21CS049	Kruthik B	P	15
23	4AI21CS050	Kushal Jetty K V	P	16
24	4AI21CS057	Mohammed Asim Farhan	P	6
25	4AI21CS058	Prasidh N P	P	12
26	4AI21CS059	Nakshathra	P	18
27	4AI21CS063	Nayana L	P	8
28	4AI21CS065	Nisarga B S	P	13
29	4AI21CS066	Nisarga K S	P	15
30	4AI21CS067	Nisha H M	P	8
31	4AI21CS069	Nithin S	P	17
32	4AI21CS070	Nithish S N	P	19
33	4AI21CS071	Palguna D P	P	9
34	4AI21CS073	Pratheek G Morabad	P	10
35	4AI21CS074	Rakshith C N	P	19
36	4AI21CS075	Rashmi B	P	16
37	4AI21CS076	Rathan M E	P	14
38	4AI21CS079	Sahana D S	P	11


SI.NO	USN	NAME	ATTENDANCE	MARKS
39	4AI21CS080	Sandhyarani N G	P	16
40	4AI21CS081	Sangeetha D R	P	15
41	4AI21CS082	Sanjana Kumar	P	13
42	4AI21CS083	Sanjay N C	P	16
43	4AI21CS084	Sanjay Yathish	P	11
44	4AI21CS085	Sannidhi G S	P	15
45	4AI21CS086	Savita Hagalambi	P	11
46	4AI21CS094	Siddarth H M	P	11
47	4AI21CS095	Sinchana S	A	
48	4AI21CS097	Sindhu A M	P	10
49	4AI21CS098	Siri C S	P	11
50	4AI21CS099	Sonali M N	P	14
51	4AI21CS101	Srujan A M	P	13
52	4AI21CS102	Srusti B N	P	8
53	4AI21CS103	Subhiksha H R	P	11
54	4AI21CS104	Suchi P C	P	17
55	4AI21CS105	Sushmitha K U	P	20
56	4AI21CS108	Swamy K L	P	16
57	4AI21CS111	Uday Keerthi G R	P	10
58	4AI21CS118	Vijeth B V	P	18
59	4AI21CS119	Vimarsh N M	P	16
60	4AI21CS122	Yashwanth R	P	14
61	4AI21CS126	Manoj M D	P	15
62	4AI21CS127	Shashank B S	P	10
63	4AI21CS129	Chandan A B	P	13
64	4AI22CS400	Akshay M A	P	10
65	4AI22CS407	Hussen	P	10
66	4AI22CS410	Veerabhadrachar D S	P	12
67	4AI22CS406	MANIKANTA NAIK	P	13
68	4AI22CS411	DHANARAJ M	A	



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Chikkamagaluru, India, 577102

Lat 13.339815 Long 75.797295

2023/09/07

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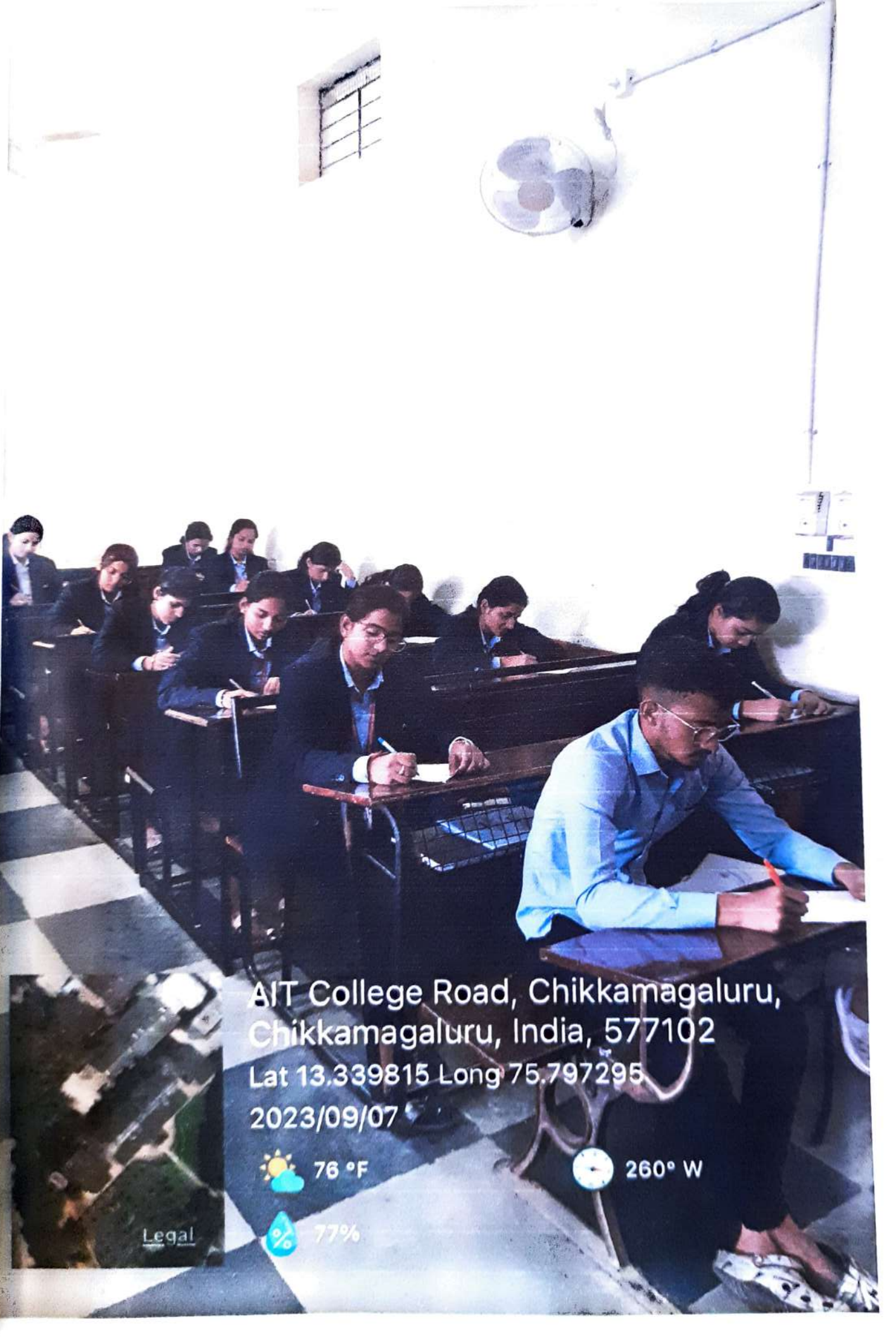
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Chikkamagaluru, India, 577102
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Lat 13.39815 Long 75.77
2023/09/07

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ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

Name: Keran Jith A.N USN: 4AI2K5001 SEC: A DATE: 7-8-23

Q.no	Questions	ANS
1	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components d) All of these	d ✓
2	Which private network uses storage protocol rather than networking protocol? a) Storage Area Network b) Local Area Network c) Wide Area Network d) None of the Above	a ✓
3	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen b) newest page is chosen c) median page is chosen d) none of the mentioned	a ✓
4	Which one of the following is the deadlock avoidance algorithm? a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a ✓
5	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? a) SSTF scheduling b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	e ✓ a ✓
6	CPU fetches the instruction from memory according to the value of _____ a) program counter b) status register c) instruction register d) program status word	x
7	For non sharable resources like a printer, mutual exclusion _____ a) must exist b) must not exist c) may exist d) none of the mentioned	c ✓
8	What is an operating system? a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs d) all of the mentioned	d ✓
9	The operating system is responsible for? a) disk initialization b) booting from disk c) bad-block recovery d) all of the mentioned	d ✓
10	What is compaction? a) a technique for overcoming internal fragmentation b) a paging technique c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	c ✓
11	_____ of the following a Process Control Block(PCB) does not contain: a) Stack b) Code c) Data d) Bootstrap program	x
12	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait d) All of the mentioned	d ✓
13	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ a) Terminated state b) Suspended state c) Running state d) Ready state	d ✓
14	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state d) resource allocation state	c ✓
15	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available c) Max - Allocation d) Allocation - Max	c ✓
16	A swap space can reside in _____ a) Separate disk partition b) RAM c) Cache d) None of the mentioned	b ✓
17	The page table contains _____ a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	b ✓
18	To access the services of the operating system, the interface is provided by the _____ a) Library b) System calls c) Assembly instructions d) API	b ✓

19	Which one of the following is the address generated by CPU? a) physical address b) absolute address c) logical address d) none of the mentioned	c
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? a) fragmentation b) paging c) mapping d) none of the mentioned	b
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time b) turnaround time c) response time d) throughput	b
22	what memory is called separation of user logical memory and physical memory a) Memory sharing b) Virtual memory c) Memory management d) Memory control	a
23	LRU stands for? a) Less Recently used b) Least Recurrently used c) Least Randomly used d) Least Recently used	d
24	Where the operating system keeps the information of files in a table? a) Directory Index Table b) File Allocation Table c) File Index Table d) File Folder Table	a
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? a) Priority b) Round Robin c) Shortest Job First d) All of the mentioned	d

$15 + 1 = 16$
 25

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

Name: Anushree KN

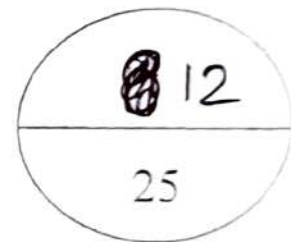
USN: 4A121CS013

SEC: A

DATE: 8/9/23

Q.no	Questions	ANS
1	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components d) All of these	Bb
2	Which private network uses storage protocol rather than networking protocol? a) Storage Area Network b) Local Area Network c) Wide Area Network d) None of the Above	a
3	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen b) newest page is chosen c) median page is chosen d) none of the mentioned	a
4	Which one of the following is the deadlock avoidance algorithm? a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a
5	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? a) SSTF scheduling b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	a
6	CPU fetches the instruction from memory according to the value of _____ a) program counter b) status register c) instruction register d) program status word	a
7	For non sharable resources like a printer, mutual exclusion _____ a) must exist b) must not exist c) may exist d) none of the mentioned	c
8	What is an operating system? a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs d) all of the mentioned	a
9	The operating system is responsible for? a) disk initialization b) booting from disk c) bad-block recovery d) all of the mentioned	a
10	What is compaction? a) a technique for overcoming internal fragmentation b) a paging technique c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	b
11	_____ of the following a Process Control Block(PCB) does not contain: a) Stack b) Code c) Data d) Bootstrap program	d
12	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait d) All of the mentioned	c
13	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ a) Terminated state b) Suspended state c) Running state d) Ready state	a
14	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state d) resource allocation state	a
15	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available c) Max - Allocation d) Allocation - Max	c
16	A swap space can reside in _____ a) Separate disk partition b) RAM c) Cache d) None of the mentioned	a
17	The page table contains _____ a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	c
18	To access the services of the operating system, the interface is provided by the _____ a) Library b) System calls c) Assembly instructions d) API	b

19	Which one of the following is the address generated by CPU? a) physical address b) absolute address c) logical address d) none of the mentioned	a	b
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? a) fragmentation b) paging c) mapping d) none of the mentioned	a	b
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time b) turnaround time c) response time d) throughput	a	c
22	what memory is called separation of user logical memory and physical memory a) Memory sharing b) Virtual memory c) Memory management d) Memory control	a	c
23	LRU stands for? a) Less Recently used b) Least Recurrently used c) Least Randomly used d) Least Recently used	a	c
24	Where the operating system keeps the information of files in a table? a) Directory Index Table b) File Allocation Table c) File Index Table d) File Folder Table	a	c
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? a) Priority b) Round Robin c) Shortest Job First d) All of the mentioned	d	c



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ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

4th Sem

Name: Shugma . K . S

USN: 4A721CS089

SEC: A

DATE: 07-09-23

Q.no	Questions	ANS
1 X	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components d) All of these	d
2 ✓	Which private network uses storage protocol rather than networking protocol? a) Storage Area Network b) Local Area Network c) Wide Area Network d) None of the Above	a
3 ✓	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen b) newest page is chosen c) median page is chosen d) none of the mentioned	a
4 ✓	Which one of the following is the deadlock avoidance algorithm? a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a
5 ✓	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? a) SSTF scheduling b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	a
6 ✓	CPU fetches the instruction from memory according to the value of _____ a) program counter b) status register c) instruction register d) program status word	a
7 ✓	For non sharable resources like a printer, mutual exclusion _____ a) must exist b) must not exist c) may exist d) none of the mentioned	c
8 ✓	What is an operating system? a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs d) all of the mentioned	d
9 ✓	The operating system is responsible for? a) disk initialization b) booting from disk c) bad-block recovery d) all of the mentioned	d
10 ✓	What is compaction? a) a technique for overcoming internal fragmentation b) a paging technique c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	c
11 X	_____ of the following a Process Control Block(PCB) does not contain: a) Stack b) Code c) Data d) Bootstrap program	d
12 ✓	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait d) All of the mentioned	d
13 X	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ a) Terminated state b) Suspended state c) Running state d) Ready state	b
14 ✓	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state d) resource allocation state	d
15 ✓	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available c) Max - Allocation d) Allocation - Max	b
16 X	A swap space can reside in _____ a) Separate disk partition b) RAM c) Cache d) None of the mentioned	c
17 ✓	The page table contains _____ a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	c
18 X	To access the services of the operating system, the interface is provided by the _____ a) Library b) System calls c) Assembly instructions d) API	d

19	Which one of the following is the address generated by CPU? a) physical address b) absolute address c) logical address d) none of the mentioned	d
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? a) fragmentation b) paging c) mapping d) none of the mentioned	c
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time b) turnaround time c) response time d) throughput	b
22	what memory is called separation of user logical memory and physical memory a) Memory sharing b) Virtual memory c) Memory management d) Memory control	b
23	LRU stands for? a) Less Recently used b) Least Recurrently used c) Least Randomly used d) Least Recently used	d ✓
24	Where the operating system keeps the information of files in a table? a) Directory Index Table b) File Allocation Table c) File Index Table d) File Folder Table	c
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? a) Priority b) Round Robin c) Shortest Job First d) All of the mentioned	d

$$\frac{17+1}{25} = 18$$

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

Name: Zoya FATHIMA USN: 4AI21CS124 SEC: 'A' DATE: 08/09/23

Q.no	Questions	ANS
1	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components <input checked="" type="checkbox"/> d) All of these	d) X
2	Which private network uses storage protocol rather than networking protocol? <input checked="" type="checkbox"/> a) Storage Area Network b) Local Area Network c) Wide Area Network d) None of the Above	a) ✓
3	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen <input checked="" type="checkbox"/> b) newest page is chosen c) median page is chosen d) none of the mentioned	b) X
4	Which one of the following is the deadlock avoidance algorithm? <input checked="" type="checkbox"/> a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a) ✓
5	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? <input checked="" type="checkbox"/> a) SSTF scheduling b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	a) ✓
6	CPU fetches the instruction from memory according to the value of _____ a) program counter <input checked="" type="checkbox"/> b) status register c) instruction register d) program status word	b) X
7	For non sharable resources like a printer, mutual exclusion _____ a) must exist <input checked="" type="checkbox"/> b) must not exist c) may exist d) none of the mentioned	b) X
8	What is an operating system? <input checked="" type="checkbox"/> a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs d) all of the mentioned	a) X
9	The operating system is responsible for? a) disk initialization b) booting from disk c) bad-block recovery <input checked="" type="checkbox"/> d) all of the mentioned	d) ✓
10	What is compaction? a) a technique for overcoming internal fragmentation b) a paging technique <input checked="" type="checkbox"/> c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	c) ✓
11	_____ of the following a Process Control Block(PCB) does not contain: a) Stack b) Code c) Data <input checked="" type="checkbox"/> d) Bootstrap program	d) ✓
12	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait <input checked="" type="checkbox"/> d) All of the mentioned	d) ✓
13	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ <input checked="" type="checkbox"/> a) Terminated state b) Suspended state c) Running state d) Ready state	a) X
14	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state <input checked="" type="checkbox"/> d) resource allocation state	d) ✓
15	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available <input checked="" type="checkbox"/> c) Max - Allocation d) Allocation - Max	c) ✓
16	A swap space can reside in _____ a) Separate disk partition <input checked="" type="checkbox"/> b) RAM c) Cache d) None of the mentioned	b) X
17	The page table contains _____ <input checked="" type="checkbox"/> a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	a) ✓
18	To access the services of the operating system, the interface is provided by the _____ a) Library b) System calls c) Assembly instructions <input checked="" type="checkbox"/> d) API	d) X

19	Which one of the following is the address generated by CPU? a) physical address b) absolute address <input checked="" type="checkbox"/> c) logical address d) none of the mentioned	c)	✓
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? a) fragmentation b) paging c) mapping d) none of the mentioned	a)	✗
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time <input checked="" type="checkbox"/> b) turnaround time c) response time d) throughput	b)	✗
22	what memory is called separation of user logical memory and physical memory a) Memory sharing <input checked="" type="checkbox"/> b) Virtual memory c) Memory management d) Memory control	b)	✗
23	LRU stands for? a) Less Recently used b) Least Recurrently used c) Least Randomly used d) Least Recently used	a)	✓
24	Where the operating system keeps the information of files in a table? a) Directory Index Table <input checked="" type="checkbox"/> b) File Allocation Table c) File Index Table d) File Folder Table	b)	✓
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? a) Priority b) Round Robin c) Shortest Job First <input checked="" type="checkbox"/> d) All of the mentioned	d)	✓

14

25

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

Name: NISHA. H. M

USN: 4A121CS067

SEC: B

DATE: 07/09/2023

Q.no	Questions	ANS
1	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components <input checked="" type="checkbox"/> d) All of these	d ✓
2	Which private network uses storage protocol rather than networking protocol? a) Storage Area Network <input checked="" type="checkbox"/> b) Local Area Network c) Wide Area Network d) None of the Above	b ✓
3	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen b) newest page is chosen c) median page is chosen <input checked="" type="checkbox"/> d) none of the mentioned	d ✓
4	Which one of the following is the deadlock avoidance algorithm? <input checked="" type="checkbox"/> a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a ✓
5	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? a) SSTF scheduling <input checked="" type="checkbox"/> b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	b ✓
6	CPU fetches the instruction from memory according to the value of _____ a) program counter <input checked="" type="checkbox"/> b) status register c) instruction register d) program status word	b ✓
7	For non sharable resources like a printer, mutual exclusion _____ a) must exist b) must not exist <input checked="" type="checkbox"/> c) may exist d) none of the mentioned	c ✓
8	What is an operating system? a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs <input checked="" type="checkbox"/> d) all of the mentioned	d ✓
9	The operating system is responsible for? <input checked="" type="checkbox"/> a) disk initialization b) booting from disk c) bad-block recovery d) all of the mentioned	a ✓
10	What is compaction? <input checked="" type="checkbox"/> a) a technique for overcoming internal fragmentation b) a paging technique c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	a ✓
11	_____ of the following a Process Control Block(PCB) does not contain: a) Stack <input checked="" type="checkbox"/> b) Code c) Data d) Bootstrap program	b ✓
12	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait <input checked="" type="checkbox"/> d) All of the mentioned	d ✓
13	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ <input checked="" type="checkbox"/> a) Terminated state b) Suspended state c) Running state d) Ready state	a ✓
14	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state <input checked="" type="checkbox"/> d) Resource allocation state	d ✓
15	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available c) Max - Allocation <input checked="" type="checkbox"/> d) Allocation - Max	d ✓
16	A swap space can reside in _____ a) Separate disk partition <input checked="" type="checkbox"/> b) RAM c) Cache d) None of the mentioned	b ✓
17	The page table contains _____ <input checked="" type="checkbox"/> a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	a ✓
18	To access the services of the operating system, the interface is provided by the _____ a) Library <input checked="" type="checkbox"/> b) System calls c) Assembly instructions d) API	b ✓

19	Which one of the following is the address generated by CPU? a) physical address b) absolute address <input checked="" type="checkbox"/> c) logical address d) none of the mentioned	c	✓
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? a) fragmentation b) paging <input checked="" type="checkbox"/> c) mapping d) none of the mentioned	c	✓
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time b) turnaround time <input checked="" type="checkbox"/> c) response time d) throughput	c	✓
22	what memory is called separation of user logical memory and physical memory a) Memory sharing <input checked="" type="checkbox"/> b) Virtual memory c) Memory management d) Memory control	b	✓
23	LRU stands for? a) Less Recently used <input checked="" type="checkbox"/> b) Least Recurrently used c) Least Randomly used d) Least Recently used	b	✓
24	Where the operating system keeps the information of files in a table? <input checked="" type="checkbox"/> a) Directory Index Table b) File Allocation Table c) File Index Table d) File Folder Table	a	✓
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? <input checked="" type="checkbox"/> a) Priority b) Round Robin c) Shortest Job First d) All of the mentioned	a	✓

08

25

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

Name: Sandhyarani N.G

USN: 4AT21CS080

SEC: B

DATE: 8/9/23

Q.no	Questions	ANS
1	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components d) All of these	d x
2	Which private network uses storage protocol rather than networking protocol? a) Storage Area Network b) Local Area Network c) Wide Area Network d) None of the Above	a ✓
3	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen b) newest page is chosen c) median page is chosen d) none of the mentioned	a ✓
4	Which one of the following is the deadlock avoidance algorithm? a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a ✓
5	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? a) SSTF scheduling b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	d x
6	CPU fetches the instruction from memory according to the value of _____ a) program counter b) status register c) instruction register d) program status word	a ✓
7	For non sharable resources like a printer, mutual exclusion _____ a) must exist b) must not exist c) may exist d) none of the mentioned	c x
8	What is an operating system? a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs d) all of the mentioned	d ✓
9	The operating system is responsible for? a) disk initialization b) booting from disk c) bad-block recovery d) all of the mentioned	d ✓
10	What is compaction? a) a technique for overcoming internal fragmentation b) a paging technique c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	b ✓ c ✓
11	_____ of the following a Process Control Block(PCB) does not contain: a) Stack b) Code c) Data d) Bootstrap program	a x
12	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait d) All of the mentioned	d ✓
13	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ a) Terminated state b) Suspended state c) Running state d) Ready state	a x
14	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state d) resource allocation state	a x
15	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available c) Max - Allocation d) Allocation - Max	c ✓
16	A swap space can reside in _____ a) Separate disk partition b) RAM c) Cache d) None of the mentioned	c x
17	The page table contains _____ a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	a ✓
18	To access the services of the operating system, the interface is provided by the _____ a) Library b) System calls c) Assembly instructions d) API	b ✓

19	Which one of the following is the address generated by CPU: a) physical address b) absolute address c) logical address d) none of the mentioned	C	✓
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? a) fragmentation b) paging c) mapping d) none of the mentioned	b	✓
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time b) turnaround time c) response time d) throughput	b	✓
22	what memory is called separation of user logical memory and physical memory a) Memory sharing b) Virtual memory c) Memory management d) Memory control	b	X
23	LRU stands for? a) Less Recently used b) Least Recurrently used c) Least Randomly used d) Least Recently used	d	✓
24	Where the operating system keeps the information of files in a table? a) Directory Index Table b) File Allocation Table c) File Index Table d) File Folder Table	C	X
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? a) Priority b) Round Robin c) Shortest Job First d) All of the mentioned	d	✓

$$\frac{15+1}{25} = 16$$



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
Department of Computer Science & Engineering



Academic Year: 2023-2024	Class: BE
Semesters: II SEM MECHANICAL	Date: 27/09/2023
SUBJECT: INTRODUCTION TO C PROGRAMMING [ESC-II]	SUBJECT CODE: BESCK204E

Innovative Teaching Methods

Title of Innovative method/activity: Flipped Classroom

Name of the Faculty: BHAVANA D E

Objective of Method:

- Students are able to design the Programs Using the language C.
- Students are able to explain the concept of Computers and recent Techniques.
- Students are able to demonstrate trace the behavior of programs.
- Students should be familiarized with Code Blocks with Code language.
- Students should be familiarized with Different techniques.
- Thinking ability of the students is enhanced.

Signature of HOD
Professor and H.O.D.
Department of Computer Science and Engg.
Adichunchanagiri Institute of Techno
CHIKMAGALUR - 577102

|| Jai Sri Gurrdev ||
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALUR
1ST YEAR STUDENT LIST FOR THE YEAR 2022-23, Dept of ME

Sl. No.	USN	Student Name	Signature
1	4AI22ME001	ARAVIND RAJ G K	Aravind
2	4AI22ME002	B M MADHU	Madhu
3	4AI22ME003	DHANUSH N M	Dhanush
4	4AI22ME004	MOHAMMED DANISH	Danish
5	4AI22ME005	NEHAL	Nehal
6	4AI22ME006	PAVANA A S	Pavana
7	4AI22ME008	SANJAY K O	SANJAY KO
8	4AI22ME009	SHASHI KUMAR S M	Shashi
9	4AI22ME010	THEJAS K C	Thejas



Signature of H.O.D.
Professor and H.O.D.
Department of Computer Science and
Adichunchanagiri Institute of Technology
CHIKMAGALUR - 577102

VISVESVARAYATECHNOLOGICAL UNIVERSITY

"Jana Sangama", Belagavi-590 018.

Teaching Learning Process Activity Report

ON

Output Of Computer

Submitted in partial fulfilment of the requirements for the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

Under the Guidance of

Mrs. Bhavana D E B.E., MTech

Assistant Professor,
Department of Computer Science & Engineering,
Adichunchanagiri Institute of Technology,
Chikkamagaluru.

Submitted By
Sanjay K O
(4AI22ME008)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)
Chikkamagaluru-577 102, Karnataka, India
2022-2023



Computer Monitor

Computer Monitors

Computer Monitors are the display devices used to view the display output of a computer. The Technology of Monitors is rapidly expanding. Now you can even connect multiple monitors to a single computer. This document briefly talks about CRT and LCD Monitors.

CRT Monitors

CRT Means "**Cathode Ray Tube**", CRT monitor has more lines of dots per inch, higher the lines more amount of the resolution. It creates the picture by number of rows or lines of the small tiny dots. Consider this Resolution 1024 x 768 resolution will be sharper than 800 x 600 resolution. It describes the technology inside an analog computer monitor.

LCD Monitors

LCD Monitors are called as "**Liquid Crystal Display**", It is an LCD Technology. Liquid Crystal Display consists of two sheets of polarizing material with a liquid crystal solution between them. When an electric current passed through the liquid crystal solution, crystals align so that light cannot pass through them. It is like a shutter either allows light to pass through or Blocking the light.

Comparison between CRT and LCD Monitors

Given below section compares CRT and LCD monitors with respect to size and weight.

CRT Monitors are heavy and occupies more space at the desk and the major weight of CRT Monitors is due to heavy weight of Cathod Ray Tube.

LCD Monitors have thin flat screen and even can be fixed on walls, occupies less space as compared to CRT Monitors and are indeed lighter than the CRT Monitors.

1. Display Size Of Monitor

Display size of a monitor is calculated diagonally, the actual display size is smaller. Consider 17" CRT monitor will actually have a display size of only 16" inch Size. The CRT monitor comes in 15-inch to 21-inch sizes (38 — 53 cm) and larger. Display size of a LCD monitor: Display size of 17" LCD monitor will have 17" Display size.

2. Resolution

Every monitor supports upto it's maximum resolution. The actual display resolution you will get on your monitor will depend on what maximum resolution your graphics card can support and what maximum display resolution your monitor can display, whichever is lowest.

3. Price

CRT monitors are much cheaper than LCD however they consume more power as compared to counterpart LCD Monitor.

4. Radiation Emission

The radiation emission in CRT monitors are higher as compared to LCD Monitors. Working on CRT Monitors for continous long hours may affect eyesight or cause head ache.

Advantages of CRT Monitors

The primary advantage that Cathode Ray Tube monitors hold over Liquid Crystal Display is their color rendering, contrast ratios. Depth of colors displayed are much greater and stronger with CRT monitors rather than LCD monitors. CRT Monitors cost less as compared to LCD Monitors of equivalent size.

Advantages of LCD Monitor

The biggest advantage of LCD monitors is their size and weight. LCD monitors do not have high radiation emission. LCD screen also tend to produce less eye fatigue to the user.

Few companies which provide Computer Monitors

Dell	Sanyo
View sonic	Acer
HP (116)	Ben Q
Lenovo	Asus
LG Electronics	Envision
NEC Corporation	Philips
Hitachi America Ltd.	Panasonic
Samsung	Canon

Prices of the LCD Monitors

Price Range Starts form the \$ 79.99 to \$ 469.99 More or less,It depends on the Brand Name
The LCD monitor comes in 17-inch to 42-inch sizes and larger.

Connect Multiple Monitors to your Computer

Now with latest Windows Opearting System , you can connect multiple monitors to your computer. There are benefits and overheads when connecting multiple monitors to your computer. In case you do want to know more about connecting multiple monitors, do have a look at <http://www.murgee.com/multiple-monitors/>.

In case you are using only one monitor (LCD or CRT) with your computer, you can add another monitor to your computer making your computer a **dual display** computer system.

When having dual displays connected to your computer, you may wish to have more control over your dual displays, where you can find the dual display utility useful. Have a look at <http://www.murgee.com/MurGeeMon/> for controlling your dual monitors / displays , controlling mouse cursor and more.

Feedback

Please do write to us at support@murgee.com in case you have any issues / concerns about the document. Visit us at <http://www.murgee.com/>

Printer

Output Devices

Output is data that has been processed into a used form, called information. An **output device** is any hardware component that can display information to a user. The main and most common output devices in a computer system are the Printer and the V.D.U.

Printer

A **printer** is an output device that produces text and graphics on a physical medium such as paper. Printed information is often called **hard copy** because the information exists physically and is a more permanent form of output than that presented on a VDU (Monitor). Printers can be grouped into **impact** and **non-impact** printers.

- An **impact printer** forms characters and graphics on a piece of paper by striking a mechanism against an ink ribbon that physically contacts the paper.
- A **non-impact printer** forms characters and graphics on a piece of paper without actually striking the paper.

The printing speed of a printer is usually expressed in **pages per minute** (ppm). Printer resolution is often expressed in **dpi (dots per inch)**. The larger the number, the higher the resolution.

Advantages of printers include

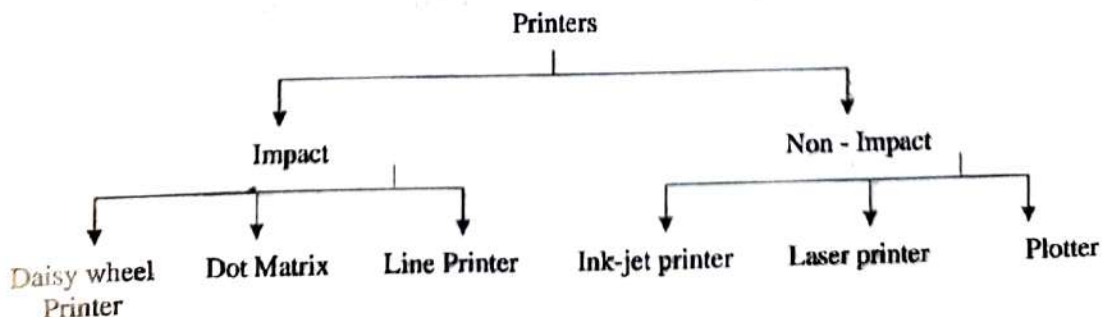
- Information produced is permanent.

Disadvantages of printers include

- The time to get the printout is slow, when compared with display devices.
- Paper is wasted for obtaining the output.
- Printers are generally noisier than display devices.

The following types of printers will be considered in more detail;

- | | |
|------------------------|--------------------|
| 1. Daisy wheel Printer | 4. Ink-jet printer |
| 2. Dot-matrix printer | 5. Laser printer |
| 3. Line printer | 6. Plotter |



Advantages of dot-matrix printers

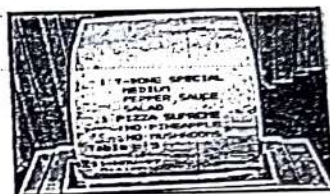
- Dot-matrix printers can print multipart forms.
- Dot-matrix printers can withstand dusty environment, vibrations, and extreme temperature.

Disadvantages of dot-matrix printers

- Dot-matrix printers are generally noisy because of the striking mechanism.
- Print quality of dot-matrix printers is not as good as those from ink-jet printers and laser printers.

Line Printer

A **line printer** is a high-speed impact printer that prints an entire line at a time. The speed of a line printer is measured by the number of **lines per minute (lpm)** it can print. Line printers are often used with mainframes, minicomputers, or with a network in applications such as manufacturing, distribution, or shipping.



Ink-Jet printer

An **ink-jet printer** is a non-impact printer that forms characters and graphics by spraying tiny drops of liquid ink onto a piece of paper. Ink-jet printers can produce **letter-quality** text and graphics in both black-and-white and colours. Some ink-jet printers can print photo-quality images on any type of paper. Printer resolution is measured in **dots per inch (dpi)**. The speed of an ink-jet printer is measured in **lines per minute (lpm)**.



Advantages of inkjet printers include

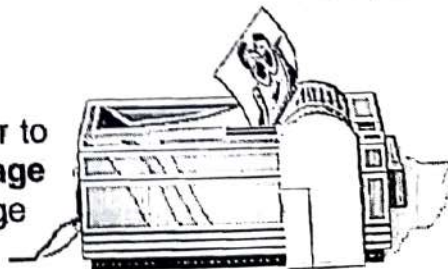
- Inkjet printers are generally quiet.
- Inkjet printers can produce high quality colour output.

Disadvantages of inkjet printers include

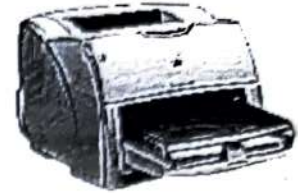
- Specialized papers are required to produce high quality colour output.
- The ink cartridges and specialized papers are expensive.
- The ink may smear when printed on ordinary paper.

Laser Printer

The mechanism of how a **laser printer** works is similar to a **photocopier**. Laser printers are also known as **page printers** because they process and store the entire page before they actually print it. Most laser printers today can print text and graphics in very high quality



Selecting the Appropriate Printer



Various factors must be considered when choosing a printer.

Cost

This is always an important consideration. As well as the purchase price of the printer, the cost of cartridges, toners, paper, maintenance etc. need to be taken into consideration. Some printers, such as laser printers, have a limited life. The cost of a good printer can cost a lot. Nowadays inkjet printers are cheap whereas laser printers are more expensive.

Speed

A wait of a minute might be acceptable to a typist who wants to print out a document on a word processor, however this would be unacceptable if several hundred documents (ex. Invoices and bills) need to be printed. The fastest printers are usually more expensive and this need to be considered along with the volume of work they have to do.

Print Quality

Good print quality is needed for letters and other documents which go out to customers. Such documents are usually printed using laser nowadays. However a programmer might want a quick hard copy of the listing of a program. For this he/she would probably use a dot matrix printer.

Ability to print graphics

High quality graphics such as logos, diagrams, charts and even photographs can be produced quickly using a laser printer. Dot matrix printers can produce lower quality graphics. Daisy wheel printers can only print text.

Ability to produce text and graphics in colour

Inkjet printers are the commonly used printers, which can print in colour, unless you are rich to buy and maintain a colour laser printer.

Ability to produce multiple copies (carbon copies)

Many organizations need to produce several copies of a document (ex. The yellow copy to accounts, blue copy to the warehouse and white copy to the customer). Multiple copies are usually printed on a type of impact printer.

Guide/Dust Washer/Disk/Cover – Surrounding the shaft on top of the control panel, in the formation of a flat disk.

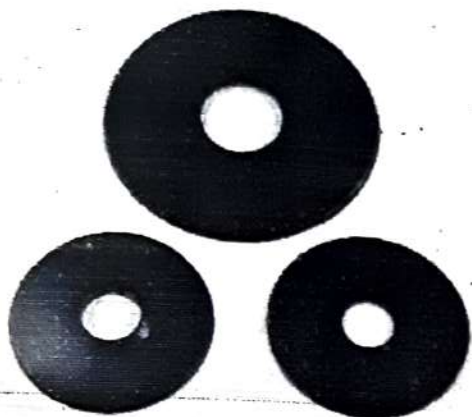


Figure 6. Varying sizes of washers

Restrictor Gate – Controls where the joystick can be moved, in the formation of a plate with holes cut within it.

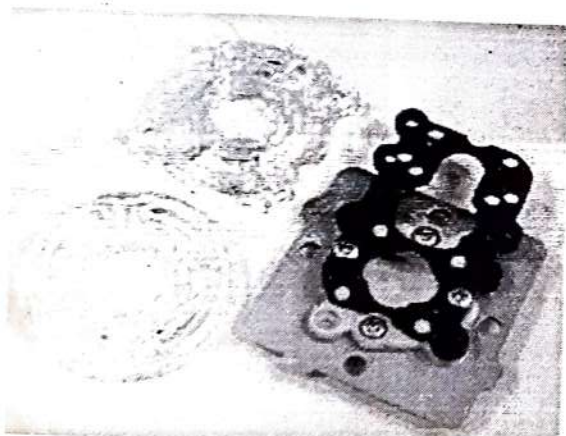


Figure 7. Restrictor Gate connected to the mounting plate

Other Parts – This include the wire harness which controls the switches around the bottom of the joystick. Other designs include extra plates, different pivot possibilities, or securers along the shaft.

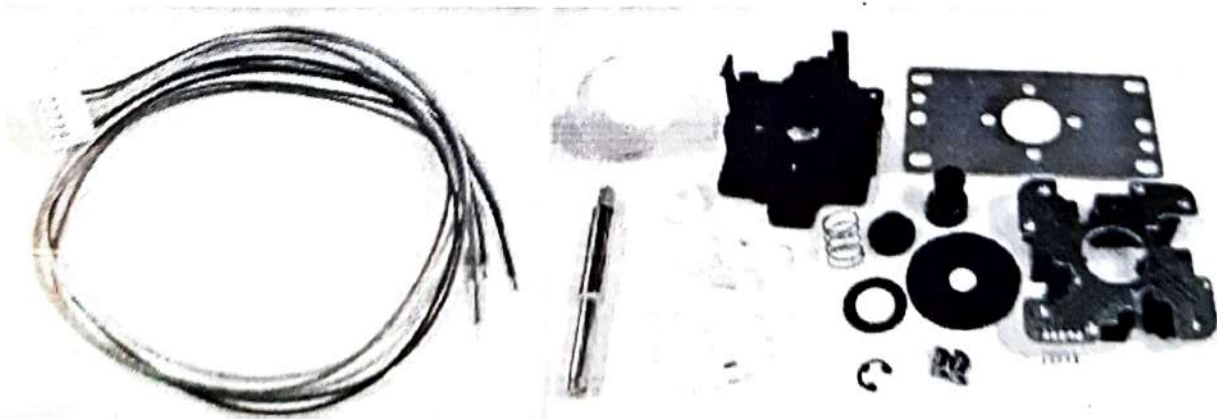
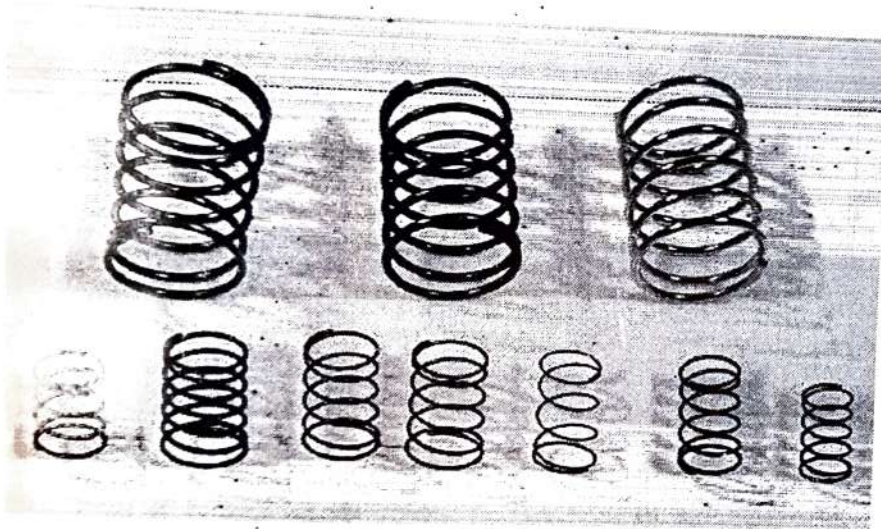


Figure 8. (On left) A wire harness which can be used in many circuit based joysticks. (On right) All the various parts required in putting together a joystick

Modifications of the joystick components

Every joystick has certain modifications that are used for different specialties whether it may suit the needs of a gamer or control the operation of a crane. These changes can be modified through the hardware components listed above. One design that can be modified is the spring, which can modify the tension on a joystick. This is important as it affects how smooth the movements of a joystick can be controlled, while being able to send the joystick back in a neutral position after letting go of it. Having a thicker/larger spring will result in making the reset stronger and movements more affected.

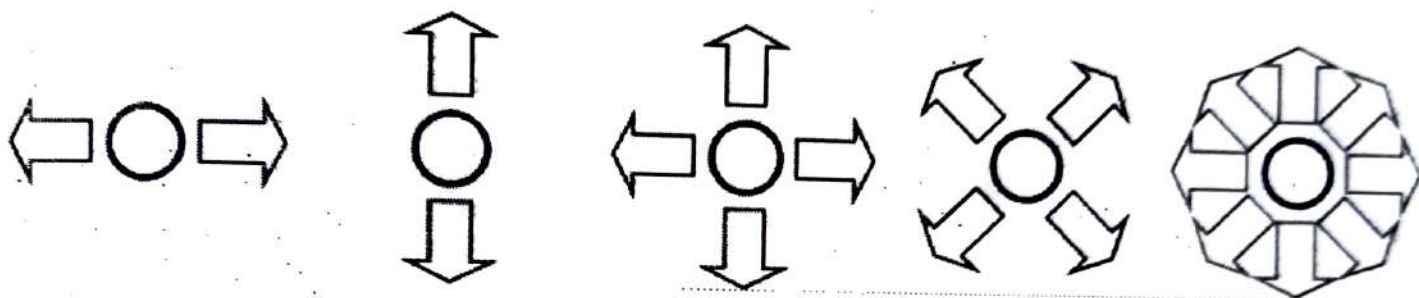


Like all joysticks the length of the handle can be modified, the mounting height, and even the durability of the material. Changing the resistor gates can give a completely different output as there are various modifications that can be used. They can restrict the area of rotation in any directions or even limit the number of positions the joystick can be moved.

Figure 9. (Below) Shows different types of restrictor gates used for various products

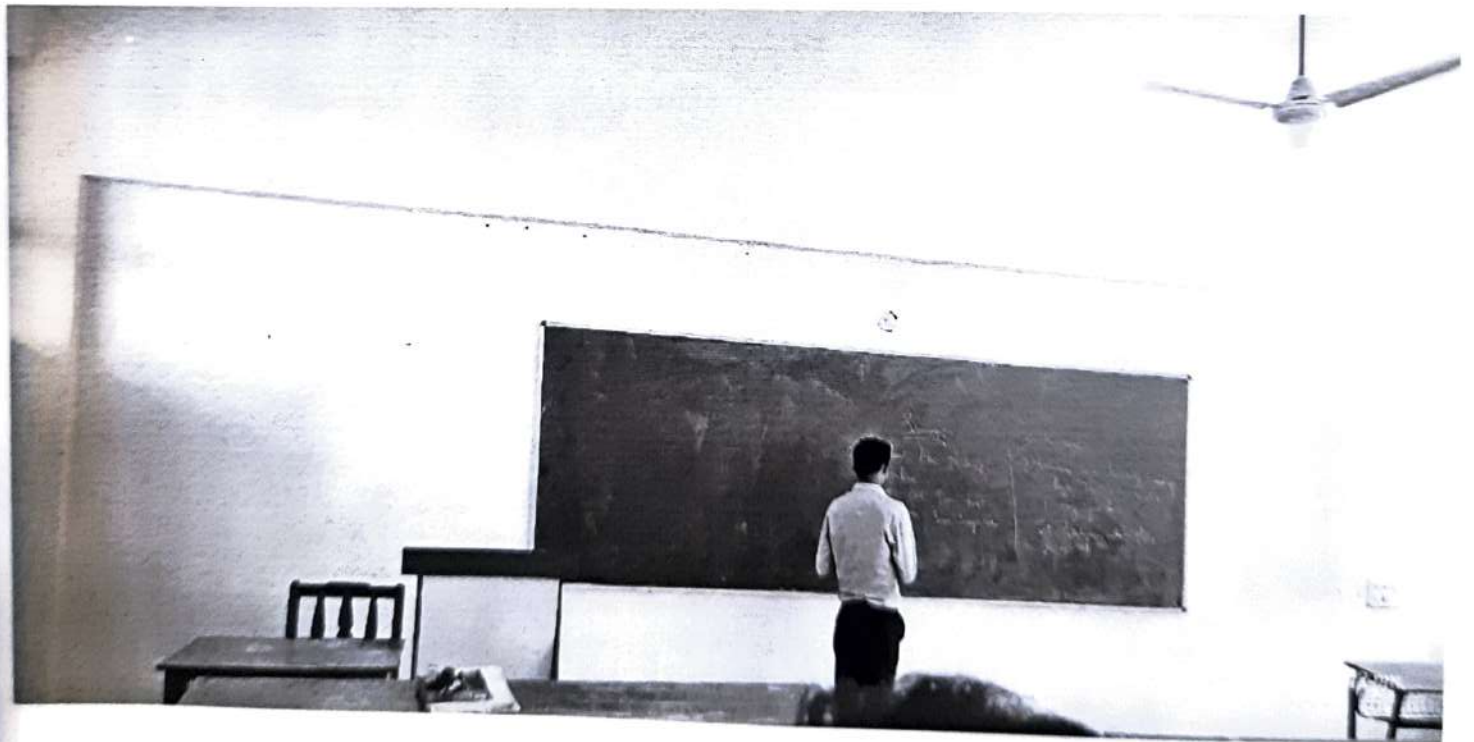
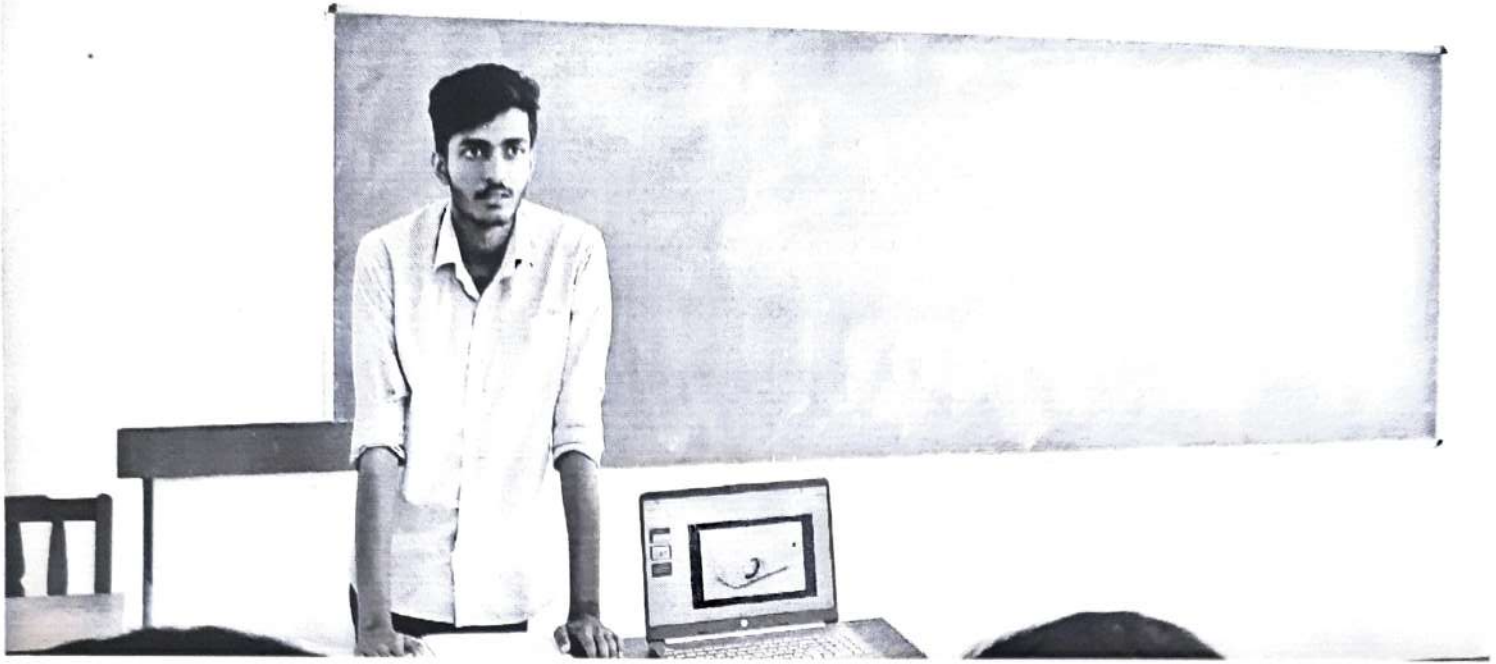


Figure 10. (Below) Shows some of the limits that restrictor gates can give. The directions can be limited to two-directional, four directional, or even more. The reason to restrict certain directions can be used to reduce the number of mistakes one will need to do.

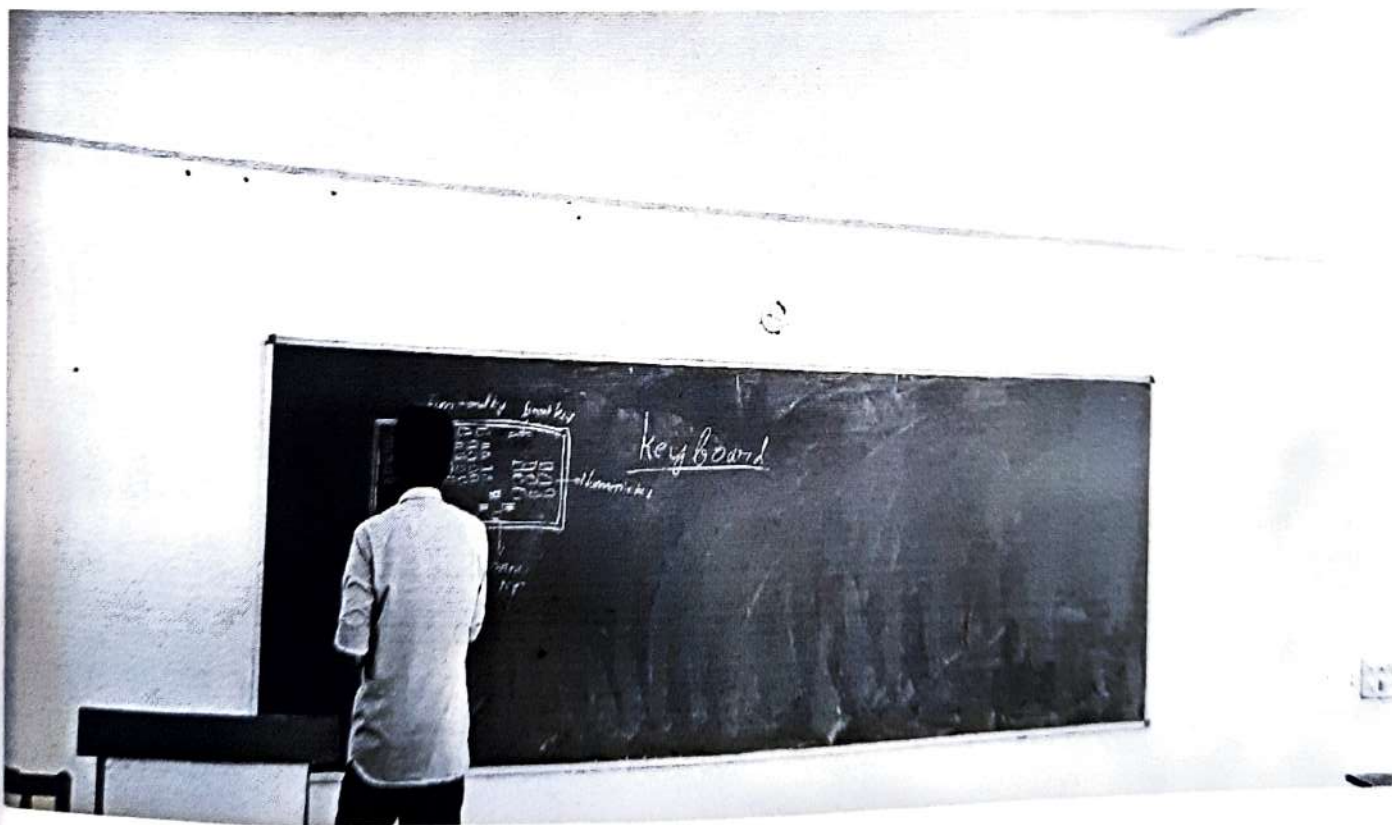


Conclusion

The joystick has been around for a long time and has reconstructed how we control objects with precise stability. Creating a dual axis and return to center joystick was shown in figures using all the necessary parts shown in figure 1. Joysticks are very unique as a cookie cutter design does not exist, where most people can make certain modifications to their desire. Changes in the exterior housing and internal components such as the spring/restrictor gates have been proven to be effective for customization for any uses. The design of a dual axis and return to center joystick has been described as a very simple tool and effective way of control.



B.E Mechanical First Semester Student explaining about his topic during Flipped Classroom in the class ESC-II



B.E Mechanical First Semester Student explaining about his topic during Flipped Classroom in the class ESC-II



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
Department of Computer Science & Engineering



Academic Year: 2022-2023	Class: BE
Semesters: IV 'A' and 'B'	Date: 05/09/2023
SUBJECT: OPERATING SYSTEMS	SUBJECT CODE: 21CS44

Innovative Teaching Methods

Title of Innovative method/activity: QUIZ

Name of the Faculty: CHETHAN P J and SARITHA N

Objective of Method:

- Students can able to demonstrate the need for OS and different types of OS.
- Students can able to apply suitable techniques for management of different resources.
- Students can able to use processor, memory, storage and file system commands.
- Students can able to realize the different concepts of OS in platform of usage through case studies.

Signature of HOD
Professor and H.O.D.
Department of Computer Science and Engg.
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CHIKMAGALUR - 577102

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
4TH SEMESTER 'A' SECTION

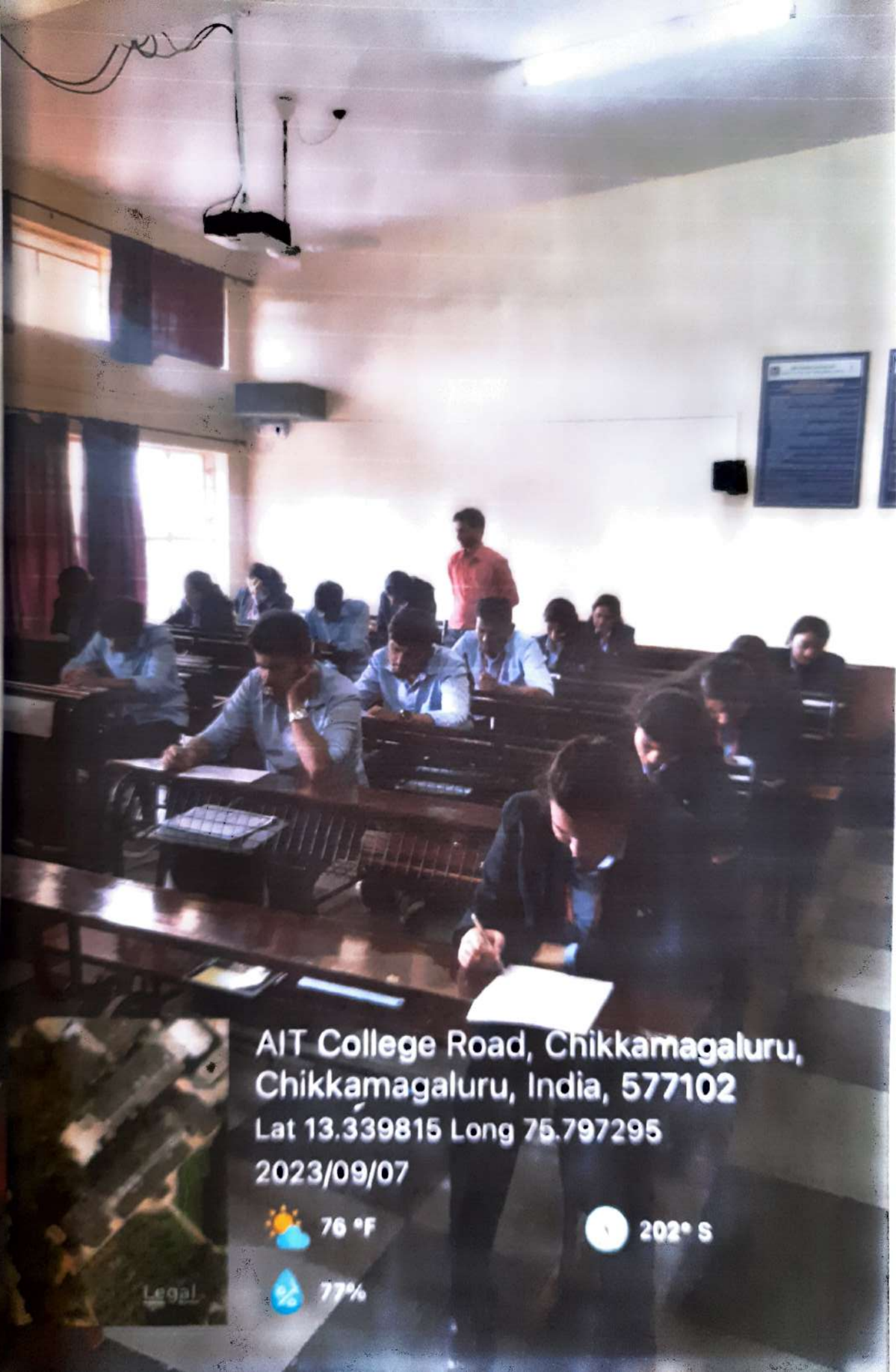
SI.NO	USN	NAME	ATTENDANCE	MARKS
1	4AI21CS001	Karanjith A N		
2	4AI21CS004	Abhishek B	P	16
3	4AI21CS005	Advi Patel Y S	P	19
4	4AI21CS008	Amrutha H N	P	18
5	4AI21CS010	Ananya H J	P	20
6	4AI21CS013	Anushree K N	P	16
7	4AI21CS014	Aptha M A	P	14
8	4AI21CS018	Bhoomika E K	P	11
9	4AI21CS019	Bindushree R	P	17
10	4AI21CS021	Darshan M A	P	17
11	4AI21CS023	Deeksha Sagar A M	P	20
12	4AI21CS027	Disha L C	P	19
13	4AI21CS028	Disha Vijaykumar	P	13
14	4AI21CS030	Fizahath H R	P	18
15	4AI21CS032	Hamsa Prakash	P	13
16	4AI21CS034	Harshitha D	P	15
17	4AI21CS037	Impana A	P	18
18	4AI21CS038	Jagruthi P	P	17
19	4AI21CS039	Jeevan M G	P	21
20	4AI21CS040	Jinu John	P	18
21	4AI21CS041	Jisha John	P	15
22	4AI21CS042	K S Impana	P	18
23	4AI21CS044	Kaushik M	P	21
24	4AI21CS045	Kavana K	P	17
25	4AI21CS046	Keerthana N R	P	16
26	4AI21CS051	Kushi B L Gowda	P	17
27	4AI21CS052	Lakshmi J	P	15
28	4AI21CS053	Lakshmi Pragna S	P	19
29	4AI21CS054	Mangalagowri A T	P	16
30	4AI21CS055	Manoj N	P	17
31	4AI21CS056	Minal J J	P	16
32	4AI21CS060	Nakul Thejas	P	8
33	4AI21CS061	Navya Prakash J K	P	18
34	4AI21CS062	Nayana D E	P	18
35	4AI21CS064	Neha S N	P	14
36	4AI21CS068	Nishchitha S A	P	9
37	4AI21CS072	Pavan K	P	17
38	4AI21CS077	Sachin Ramesh	P	19
39	4AI21CS078	Sagar G	P	21
40	4AI21CS087	Shaivy. S	P	18
41	4AI21CS089	Sheeghra K S	P	18

42	4AI21CS090	Shivani B L	P	19
43	4AI21CS091	Shoibul Akther	P	17
44	4AI21CS092	Shree Raksha R	P	13
45	4AI21CS093	Shree Roopa C M	P	19
46	4AI21CS096	Sinchana S D	P	18
47	4AI21CS100	Spoorthi K R	P	17
48	4AI21CS106	Sushruth Hebbar	P	20
49	4AI21CS109	Tejaswa D	P	19
50	4AI21CS110	Tejaswini K M	P	17
51	4AI21CS112	Upputuri Satish	P	21
52	4AI21CS113	Uthsavi M B	P	18
53	4AI21CS114	Vamshik K S	P	17
54	4AI21CS115	Varshini K	P	15
55	4AI21CS116	Varshini R	P	16
56	4AI21CS117	Varun B Vernekar	P	21
57	4AI21CS120	Vishwas S	P	19
58	4AI21CS121	Vivek S Murthy	P	22
59	4AI21CS123	Yuhina Bariz	P	18
60	4AI21CS124	Zoya Fathima	P	14
62	4AI21CS125	Deepak S Gowda	P	19
61	4AI21CS128	Puneeth Y	P	18
67	4AI22CS401	Bhagya B B	P	15
66	4AI22CS402	Bhavana L U	P	14
64	4AI22CS403	Bhavani K G	P	18
70	4AI22CS404	Hruthika M	P	15
65	4AI22CS405	kanchana R P	P	16
68	4AI22CS408	Sinchana E	P	17
63	4AI22CS409	Sudharani S M	P	14
69	4AI22CS412	Rakshitha K A	P	14

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
4TH SEMESTER 'B' SECTION

SI.NO	USN	NAME	ATTENDANCE	MARKS
1	4AI21CS002	Abdul Rahman	P	21
2	4AI21CS003	Abhinandan C	P	17
3	4AI21CS006	Aishwarya A M	P	14
4	4AI21CS007	Akash H R	P	19
5	4AI21CS009	Amrutha M D	P	17
6	4AI21CS011	Ananya K C	P	14
7	4AI21CS012	Anushree A R	P	13
8	4AI21CS015	Avishka V M	P	14
9	4AI21CS016	Avvari Venkatesh	P	13
10	4AI21CS020	Chethan Naik H S	P	14
11	4AI21CS022	Deeksha K R	P	13
12	4AI21CS024	Deekshith D L	P	15
13	4AI21CS025	Deepika B Y	P	12
14	4AI21CS026	Dheeraj Gowda M D	P	14
15	4AI21CS029	Diwakar N	P	16
16	4AI21CS031	Guruprasad K	P	15
17	4AI21CS033	Harshith S	P	20
18	4AI21CS035	Harshitha S	P	15
19	4AI21CS036	Harshitha T A	P	18
20	4AI21CS047	Keerthi B G	P	17
21	4AI21CS048	Koushik R	P	15
22	4AI21CS049	Kruthik B	P	15
23	4AI21CS050	Kushal Jetty K V	P	16
24	4AI21CS057	Mohammed Asim Farhan	P	6
25	4AI21CS058	Prasidh N P	P	12
26	4AI21CS059	Nakshathra	P	18
27	4AI21CS063	Nayana L	P	8
28	4AI21CS065	Nisarga B S	P	13
29	4AI21CS066	Nisarga K S	P	15
30	4AI21CS067	Nisha H M	P	8
31	4AI21CS069	Nithin S	P	17
32	4AI21CS070	Nithish S N	P	19
33	4AI21CS071	Palguna D P	P	9
34	4AI21CS073	Pratheek G Morabad	P	10
35	4AI21CS074	Rakshith C N	P	19
36	4AI21CS075	Rashmi B	P	16
37	4AI21CS076	Rathan M E	P	14
38	4AI21CS079	Sahana D S	P	11


SI.NO	USN	NAME	ATTENDANCE	MARKS
39	4AI21CS080	Sandhyarani N G	P	16
40	4AI21CS081	Sangeetha D R	P	15
41	4AI21CS082	Sanjana Kumar	P	13
42	4AI21CS083	Sanjay N C	P	16
43	4AI21CS084	Sanjay Yathish	P	11
44	4AI21CS085	Sannidhi G S	P	15
45	4AI21CS086	Savita Hagalambi	P	11
46	4AI21CS094	Siddarth H M	P	11
47	4AI21CS095	Sinchana S	A	
48	4AI21CS097	Sindhu A M	P	10
49	4AI21CS098	Siri C S	P	11
50	4AI21CS099	Sonali M N	P	14
51	4AI21CS101	Srujan A M	P	13
52	4AI21CS102	Srusti B N	P	8
53	4AI21CS103	Subhiksha H R	P	11
54	4AI21CS104	Suchi P C	P	17
55	4AI21CS105	Sushmitha K U	P	20
56	4AI21CS108	Swamy K L	P	16
57	4AI21CS111	Uday Keerthi G R	P	10
58	4AI21CS118	Vijeth B V	P	18
59	4AI21CS119	Vimarsh N M	P	16
60	4AI21CS122	Yashwanth R	P	14
61	4AI21CS126	Manoj M D	P	15
62	4AI21CS127	Shashank B S	P	10
63	4AI21CS129	Chandan A B	P	13
64	4AI22CS400	Akshay M A	P	10
65	4AI22CS407	Hussen	P	10
66	4AI22CS410	Veerabhadrachar D S	P	12
67	4AI22CS406	MANIKANTA NAIK	P	13
68	4AI22CS411	DHANARAJ M	A	



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Chikkamagaluru, India, 577102

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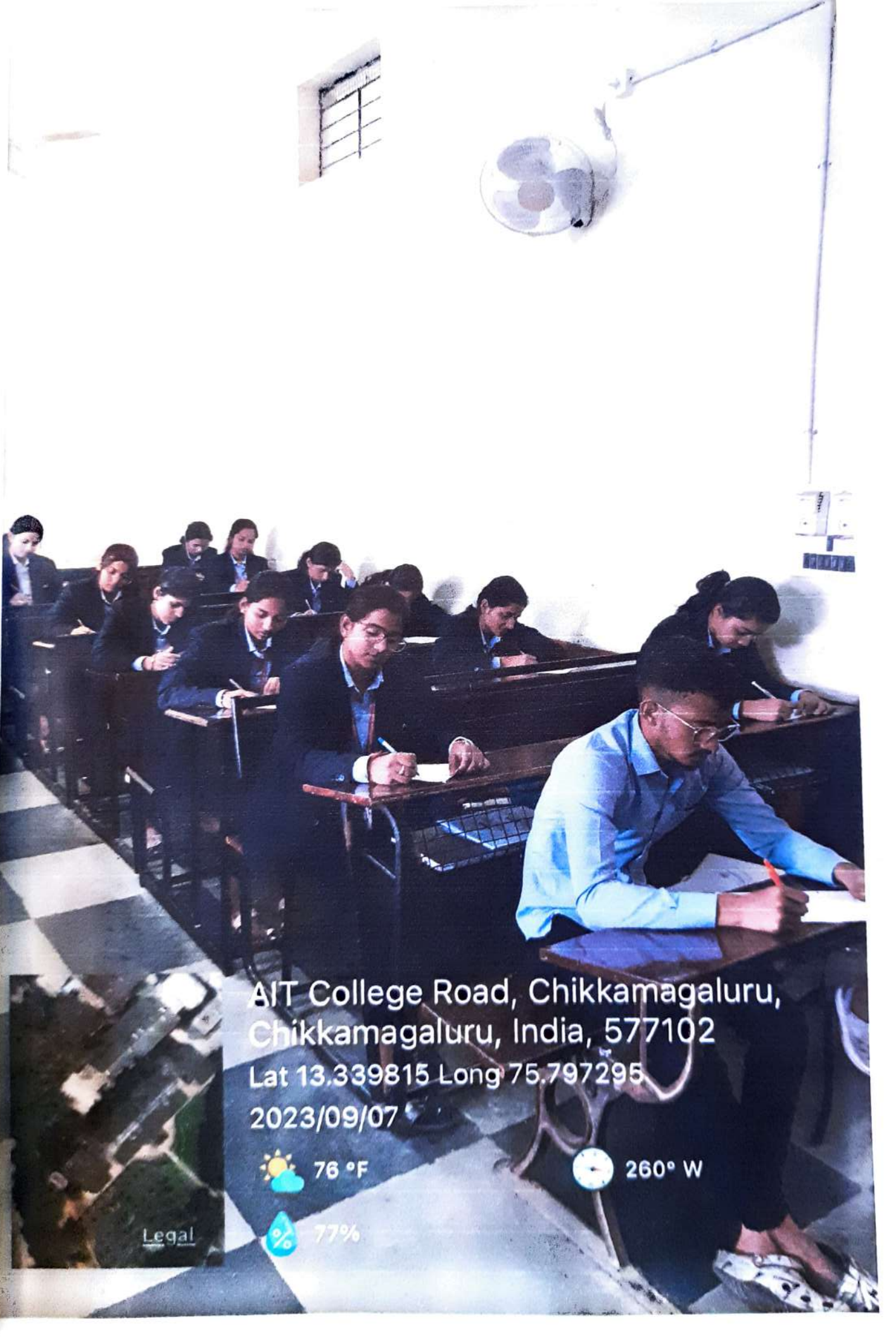
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ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

Name: Keran Jith A.N USN: 4AI2K5001 SEC: A DATE: 7-8-23

Q.no	Questions	ANS
1	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components d) All of these	d ✓
2	Which private network uses storage protocol rather than networking protocol? a) Storage Area Network b) Local Area Network c) Wide Area Network d) None of the Above	a ✓
3	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen b) newest page is chosen c) median page is chosen d) none of the mentioned	a ✓
4	Which one of the following is the deadlock avoidance algorithm? a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a ✓
5	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? a) SSTF scheduling b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	e ✓ a ✓
6	CPU fetches the instruction from memory according to the value of _____ a) program counter b) status register c) instruction register d) program status word	x
7	For non sharable resources like a printer, mutual exclusion _____ a) must exist b) must not exist c) may exist d) none of the mentioned	c ✓
8	What is an operating system? a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs d) all of the mentioned	d ✓
9	The operating system is responsible for? a) disk initialization b) booting from disk c) bad-block recovery d) all of the mentioned	d ✓
10	What is compaction? a) a technique for overcoming internal fragmentation b) a paging technique c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	c ✓
11	_____ of the following a Process Control Block(PCB) does not contain: a) Stack b) Code c) Data d) Bootstrap program	x
12	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait d) All of the mentioned	d ✓
13	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ a) Terminated state b) Suspended state c) Running state d) Ready state	d ✓
14	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state d) resource allocation state	c ✓
15	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available c) Max - Allocation d) Allocation - Max	c ✓
16	A swap space can reside in _____ a) Separate disk partition b) RAM c) Cache d) None of the mentioned	b ✓
17	The page table contains _____ a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	b ✓
18	To access the services of the operating system, the interface is provided by the _____ a) Library b) System calls c) Assembly instructions d) API	b ✓

19	Which one of the following is the address generated by CPU? a) physical address b) absolute address c) logical address d) none of the mentioned	c
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? a) fragmentation b) paging c) mapping d) none of the mentioned	b
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time b) turnaround time c) response time d) throughput	b
22	what memory is called separation of user logical memory and physical memory a) Memory sharing b) Virtual memory c) Memory management d) Memory control	a
23	LRU stands for? a) Less Recently used b) Least Recurrently used c) Least Randomly used d) Least Recently used	d
24	Where the operating system keeps the information of files in a table? a) Directory Index Table b) File Allocation Table c) File Index Table d) File Folder Table	a
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? a) Priority b) Round Robin c) Shortest Job First d) All of the mentioned	d

$15 + 1 = 16$
 25

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

Name: Anushree KN

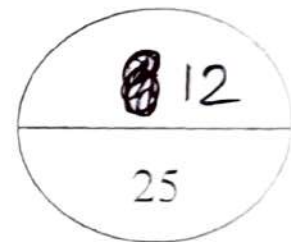
USN: 4A121CS013

SEC: A

DATE: 8/9/23

Q.no	Questions	ANS
1	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components d) All of these	Bb
2	Which private network uses storage protocol rather than networking protocol? a) Storage Area Network b) Local Area Network c) Wide Area Network d) None of the Above	a
3	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen b) newest page is chosen c) median page is chosen d) none of the mentioned	a
4	Which one of the following is the deadlock avoidance algorithm? a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a
5	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? a) SSTF scheduling b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	a
6	CPU fetches the instruction from memory according to the value of _____ a) program counter b) status register c) instruction register d) program status word	a
7	For non sharable resources like a printer, mutual exclusion _____ a) must exist b) must not exist c) may exist d) none of the mentioned	c
8	What is an operating system? a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs d) all of the mentioned	a
9	The operating system is responsible for? a) disk initialization b) booting from disk c) bad-block recovery d) all of the mentioned	a
10	What is compaction? a) a technique for overcoming internal fragmentation b) a paging technique c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	b
11	_____ of the following a Process Control Block(PCB) does not contain: a) Stack b) Code c) Data d) Bootstrap program	d
12	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait d) All of the mentioned	c
13	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ a) Terminated state b) Suspended state c) Running state d) Ready state	a
14	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state d) resource allocation state	a
15	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available c) Max - Allocation d) Allocation - Max	c
16	A swap space can reside in _____ a) Separate disk partition b) RAM c) Cache d) None of the mentioned	a
17	The page table contains _____ a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	c
18	To access the services of the operating system, the interface is provided by the _____ a) Library b) System calls c) Assembly instructions d) API	b

19	Which one of the following is the address generated by CPU? a) physical address b) absolute address c) logical address d) none of the mentioned	a	b
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? a) fragmentation b) paging c) mapping d) none of the mentioned	a	b
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time b) turnaround time c) response time d) throughput	a	c
22	what memory is called separation of user logical memory and physical memory a) Memory sharing b) Virtual memory c) Memory management d) Memory control	a	c
23	LRU stands for? a) Less Recently used b) Least Recurrently used c) Least Randomly used d) Least Recently used	a	c
24	Where the operating system keeps the information of files in a table? a) Directory Index Table b) File Allocation Table c) File Index Table d) File Folder Table	a	c
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? a) Priority b) Round Robin c) Shortest Job First d) All of the mentioned	d	c



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ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

4th Sem

Name: Shugma . K . S

USN: 4A721CS089

SEC: A

DATE: 07-09-23

Q.no	Questions	ANS
1 ✗	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components d) All of these	d
2 ✓	Which private network uses storage protocol rather than networking protocol? a) Storage Area Network b) Local Area Network c) Wide Area Network d) None of the Above	a
3 ✓	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen b) newest page is chosen c) median page is chosen d) none of the mentioned	a
4 ✓	Which one of the following is the deadlock avoidance algorithm? a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a
5 ✓	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? a) SSTF scheduling b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	a
6 ✓	CPU fetches the instruction from memory according to the value of _____ a) program counter b) status register c) instruction register d) program status word	a
7 ✓	For non sharable resources like a printer, mutual exclusion _____ a) must exist b) must not exist c) may exist d) none of the mentioned	c
8 ✓	What is an operating system? a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs d) all of the mentioned	d
9 ✓	The operating system is responsible for? a) disk initialization b) booting from disk c) bad-block recovery d) all of the mentioned	d
10 ✓	What is compaction? a) a technique for overcoming internal fragmentation b) a paging technique c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	c
11 ✗	_____ of the following a Process Control Block(PCB) does not contain: a) Stack b) Code c) Data d) Bootstrap program	d
12 ✓	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait d) All of the mentioned	d
13 ✗	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ a) Terminated state b) Suspended state c) Running state d) Ready state	b
14 ✓	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state d) resource allocation state	d
15 ✓	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available c) Max - Allocation d) Allocation - Max	b
16 ✗	A swap space can reside in _____ a) Separate disk partition b) RAM c) Cache d) None of the mentioned	c
17 ✓	The page table contains _____ a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	c
18 ✗	To access the services of the operating system, the interface is provided by the _____ a) Library b) System calls c) Assembly instructions d) API	d

19	Which one of the following is the address generated by CPU? a) physical address b) absolute address c) logical address d) none of the mentioned	d
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? a) fragmentation b) paging c) mapping d) none of the mentioned	c
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time b) turnaround time c) response time d) throughput	b
22	what memory is called separation of user logical memory and physical memory a) Memory sharing b) Virtual memory c) Memory management d) Memory control	b
23	LRU stands for? a) Less Recently used b) Least Recurrently used c) Least Randomly used d) Least Recently used	d ✓
24	Where the operating system keeps the information of files in a table? a) Directory Index Table b) File Allocation Table c) File Index Table d) File Folder Table	c
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? a) Priority b) Round Robin c) Shortest Job First d) All of the mentioned	d

$$\frac{17+1}{25} = 18$$

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

Name: ZOYA FATHIMA USN: 4AI21CS124 SEC: 'A' DATE: 08/09/23

Q.no	Questions	ANS
1	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components d) All of these	d)
2	Which private network uses storage protocol rather than networking protocol? a) Storage Area Network b) Local Area Network c) Wide Area Network d) None of the Above	a)
3	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen b) newest page is chosen c) median page is chosen d) none of the mentioned	b)
4	Which one of the following is the deadlock avoidance algorithm? a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a)
5	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? a) SSTF scheduling b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	a)
6	CPU fetches the instruction from memory according to the value of _____ a) program counter b) status register c) instruction register d) program status word	b)
7	For non sharable resources like a printer, mutual exclusion _____ a) must exist b) must not exist c) may exist d) none of the mentioned	b)
8	What is an operating system? a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs d) all of the mentioned	a)
9	The operating system is responsible for? a) disk initialization b) booting from disk c) bad-block recovery d) all of the mentioned	d)
10	What is compaction? a) a technique for overcoming internal fragmentation b) a paging technique c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	c)
11	_____ of the following a Process Control Block(PCB) does not contain: a) Stack b) Code c) Data d) Bootstrap program	d)
12	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait d) All of the mentioned	d)
13	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ a) Terminated state b) Suspended state c) Running state d) Ready state	a)
14	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state d) resource allocation state	d)
15	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available c) Max - Allocation d) Allocation - Max	c)
16	A swap space can reside in _____ a) Separate disk partition b) RAM c) Cache d) None of the mentioned	b)
17	The page table contains _____ a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	a)
18	To access the services of the operating system, the interface is provided by the _____ a) Library b) System calls c) Assembly instructions d) API	d)

19	Which one of the following is the address generated by CPU? a) physical address b) absolute address <input checked="" type="checkbox"/> c) logical address d) none of the mentioned	c)	✓
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? <input checked="" type="checkbox"/> a) fragmentation b) paging c) mapping d) none of the mentioned	a)	✗
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time <input checked="" type="checkbox"/> b) turnaround time c) response time d) throughput	b)	✗
22	what memory is called separation of user logical memory and physical memory a) Memory sharing <input checked="" type="checkbox"/> b) Virtual memory c) Memory management d) Memory control	b)	✗
23	LRU stands for? <input checked="" type="checkbox"/> a) Less Recently used b) Least Recurrently used c) Least Randomly used d) Least Recently used	a)	✓
24	Where the operating system keeps the information of files in a table? a) Directory Index Table <input checked="" type="checkbox"/> b) File Allocation Table c) File Index Table d) File Folder Table	b)	✓
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? a) Priority b) Round Robin c) Shortest Job First <input checked="" type="checkbox"/> d) All of the mentioned	d)	✓

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ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

Name: NISHA. H. M

USN: 4A121CS067

SEC: B

DATE: 07/09/2023

Q.no	Questions	ANS
1	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components <input checked="" type="checkbox"/> d) All of these	d ✓
2	Which private network uses storage protocol rather than networking protocol? a) Storage Area Network <input checked="" type="checkbox"/> b) Local Area Network c) Wide Area Network d) None of the Above	b ✓
3	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen b) newest page is chosen c) median page is chosen <input checked="" type="checkbox"/> d) none of the mentioned	d ✓
4	Which one of the following is the deadlock avoidance algorithm? <input checked="" type="checkbox"/> a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a ✓
5	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? a) SSTF scheduling <input checked="" type="checkbox"/> b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	b ✓
6	CPU fetches the instruction from memory according to the value of _____ a) program counter <input checked="" type="checkbox"/> b) status register c) instruction register d) program status word	b ✓
7	For non sharable resources like a printer, mutual exclusion _____ a) must exist b) must not exist <input checked="" type="checkbox"/> c) may exist d) none of the mentioned	c ✓
8	What is an operating system? a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs <input checked="" type="checkbox"/> d) all of the mentioned	d ✓
9	The operating system is responsible for? <input checked="" type="checkbox"/> a) disk initialization b) booting from disk c) bad-block recovery d) all of the mentioned	a ✓
10	What is compaction? <input checked="" type="checkbox"/> a) a technique for overcoming internal fragmentation b) a paging technique c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	a ✓
11	_____ of the following a Process Control Block(PCB) does not contain: a) Stack <input checked="" type="checkbox"/> b) Code c) Data d) Bootstrap program	b ✓
12	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait <input checked="" type="checkbox"/> d) All of the mentioned	d ✓
13	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ <input checked="" type="checkbox"/> a) Terminated state b) Suspended state c) Running state d) Ready state	a ✓
14	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state <input checked="" type="checkbox"/> d) Resource allocation state	d ✓
15	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available c) Max - Allocation <input checked="" type="checkbox"/> d) Allocation - Max	d ✓
16	A swap space can reside in _____ a) Separate disk partition <input checked="" type="checkbox"/> b) RAM c) Cache d) None of the mentioned	b ✓
17	The page table contains _____ <input checked="" type="checkbox"/> a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	a ✓
18	To access the services of the operating system, the interface is provided by the _____ a) Library <input checked="" type="checkbox"/> b) System calls c) Assembly instructions d) API	b ✓

19	Which one of the following is the address generated by CPU? a) physical address b) absolute address <input checked="" type="checkbox"/> c) logical address d) none of the mentioned	c	✓
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? a) fragmentation b) paging <input checked="" type="checkbox"/> c) mapping d) none of the mentioned	c	✓
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time b) turnaround time <input checked="" type="checkbox"/> c) response time d) throughput	c	✓
22	what memory is called separation of user logical memory and physical memory a) Memory sharing <input checked="" type="checkbox"/> b) Virtual memory c) Memory management d) Memory control	b	✓
23	LRU stands for? a) Less Recently used <input checked="" type="checkbox"/> b) Least Recurrently used c) Least Randomly used d) Least Recently used	b	✓
24	Where the operating system keeps the information of files in a table? <input checked="" type="checkbox"/> a) Directory Index Table b) File Allocation Table c) File Index Table d) File Folder Table	a	✓
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? <input checked="" type="checkbox"/> a) Priority b) Round Robin c) Shortest Job First d) All of the mentioned	a	✓

08

25

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

Department of Computer Science & Engineering

Operating System-21CS44

Activity Based Learning: QUIZ

Name: Sandhyarani N.G

USN: 4AT21CS080

SEC: B

DATE: 8/9/23

Q.no	Questions	ANS
1	Operating system is a collection of: a) Software routines b) Input-output devices c) Hardware components d) All of these	d x
2	Which private network uses storage protocol rather than networking protocol? a) Storage Area Network b) Local Area Network c) Wide Area Network d) None of the Above	a ✓
3	In FIFO page replacement algorithm, when a page must be replaced what is chosen a) oldest page is chosen b) newest page is chosen c) median page is chosen d) none of the mentioned	a ✓
4	Which one of the following is the deadlock avoidance algorithm? a) banker's algorithm b) round-robin algorithm c) elevator algorithm d) karn's algorithm	a ✓
5	Which algorithm of disk scheduling selects the request with the least seek time from the current head positions? a) SSTF scheduling b) FCFS scheduling c) SCAN scheduling d) LOOK scheduling	d x
6	CPU fetches the instruction from memory according to the value of _____ a) program counter b) status register c) instruction register d) program status word	a ✓
7	For non sharable resources like a printer, mutual exclusion _____ a) must exist b) must not exist c) may exist d) none of the mentioned	c x
8	What is an operating system? a) interface between the hardware and application programs b) collection of programs that manages hardware resources c) system service provider to the application programs d) all of the mentioned	d ✓
9	The operating system is responsible for? a) disk initialization b) booting from disk c) bad-block recovery d) all of the mentioned	d ✓
10	What is compaction? a) a technique for overcoming internal fragmentation b) a paging technique c) a technique for overcoming external fragmentation d) a technique for overcoming fatal error	b ✓ c ✓
11	_____ of the following a Process Control Block(PCB) does not contain: a) Stack b) Code c) Data d) Bootstrap program	a x
12	For a deadlock to arise, which of the following conditions must hold simultaneously? a) Mutual exclusion b) No preemption c) Hold and wait d) All of the mentioned	d ✓
13	When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ a) Terminated state b) Suspended state c) Running state d) Ready state	a x
14	A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. a) operating system b) resources c) system storage state d) resource allocation state	a x
15	The content of the matrix Need is _____ a) Allocation - Available b) Max - Available c) Max - Allocation d) Allocation - Max	c ✓
16	A swap space can reside in _____ a) Separate disk partition b) RAM c) Cache d) None of the mentioned	c x
17	The page table contains _____ a) base address of each page in physical memory b) page offset c) page size d) none of the mentioned	a ✓
18	To access the services of the operating system, the interface is provided by the _____ a) Library b) System calls c) Assembly instructions d) API	b ✓

19	Which one of the following is the address generated by CPU: a) physical address b) absolute address c) logical address d) none of the mentioned	C	✓
20	Memory management technique in which system stores and retrieves data from secondary storage for use in main memory is called? a) fragmentation b) paging c) mapping d) none of the mentioned	b	✓
21	The interval from the time of submission of a process to the time of completion is termed as _____. a) waiting time b) turnaround time c) response time d) throughput	b	✓
22	what memory is called separation of user logical memory and physical memory a) Memory sharing b) Virtual memory c) Memory management d) Memory control	b	X
23	LRU stands for? a) Less Recently used b) Least Recurrently used c) Least Randomly used d) Least Recently used	d	✓
24	Where the operating system keeps the information of files in a table? a) Directory Index Table b) File Allocation Table c) File Index Table d) File Folder Table	C	X
25	In Operating Systems, which of the following is/are CPU scheduling algorithms? a) Priority b) Round Robin c) Shortest Job First d) All of the mentioned	d	✓

$$\frac{15+1}{25} = 16$$



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
Department of Computer Science & Engineering



Academic Year: 2023-2024	Class: BE
Semesters: V 'A'	Date: 23/02/2024
SUBJECT:DBMS	SUBJECT CODE: 21CS53

Innovative Teaching Methods

Title of Innovative method/activity: CASE STUDY

Name of the Faculty: KEERTHISHREE B T

Objective of Method:

- Students are able to grasp a strong foundation in database concepts, technology, and practice.
- Students are able to practice SQL programming through a variety of database problems.
- Students are able to Summarize the concepts of database objects; enforce integrity constraints on a database using RDBMS.
- Thinking ability of the students is enhanced.

Signature of HOD
Professor and H.O.D.
Department of Computer Science and Engg.
Adichunchanagiri Institute of Technology
CHIKMAGALUR - 577102

V 'A' SEM STUDENT LIST

SL. NO.	USN	NAME
1	4AI21CS001	Karanjith A N
2	4AI21CS004	Abhishek B
3	4AI21CS005	Advi Patel Y S
4	4AI21CS008	Amrutha H N
5	4AI21CS010	Ananya H J
6	4AI21CS013	Anushree K N
7	4AI21CS014	Aptha M A
8	4AI21CS018	Bhoomika E K
9	4AI21CS019	Bindushree R
10	4AI21CS021	Darshan M A
11	4AI21CS023	Deeksha Sagar A M
12	4AI21CS027	Disha L C
13	4AI21CS028	Disha Vijaykumar
14	4AI21CS030	Fizahath H R
15	4AI21CS032	Hamsa Prakash
17	4AI21CS034	Harshitha D
16	4AI21CS037	Impana A
18	4AI21CS038	Jagruthi P
19	4AI21CS039	Jeevan M G
20	4AI21CS040	Jinu John
21	4AI21CS041	Jisha John
22	4AI21CS042	K S Impana
23	4AI21CS044	Kaushik M
24	4AI21CS045	Kavana K
25	4AI21CS046	Keerthana N R
26	4AI21CS051	Kushi B L Gowda
27	4AI21CS052	Lakshmi J
28	4AI21CS053	Lakshmi Pragna S
29	4AI21CS054	Mangalagowri A T
30	4AI21CS055	Manoj N
31	4AI21CS056	Minal J J
32	4AI21CS060	Nakul Thejas
33	4AI21CS061	Navya Prakash J K
34	4AI21CS062	Nayana D E
35	4AI21CS064	Neha S N
36	4AI21CS068	Nishchitha S A
37	4AI21CS072	Pavan K

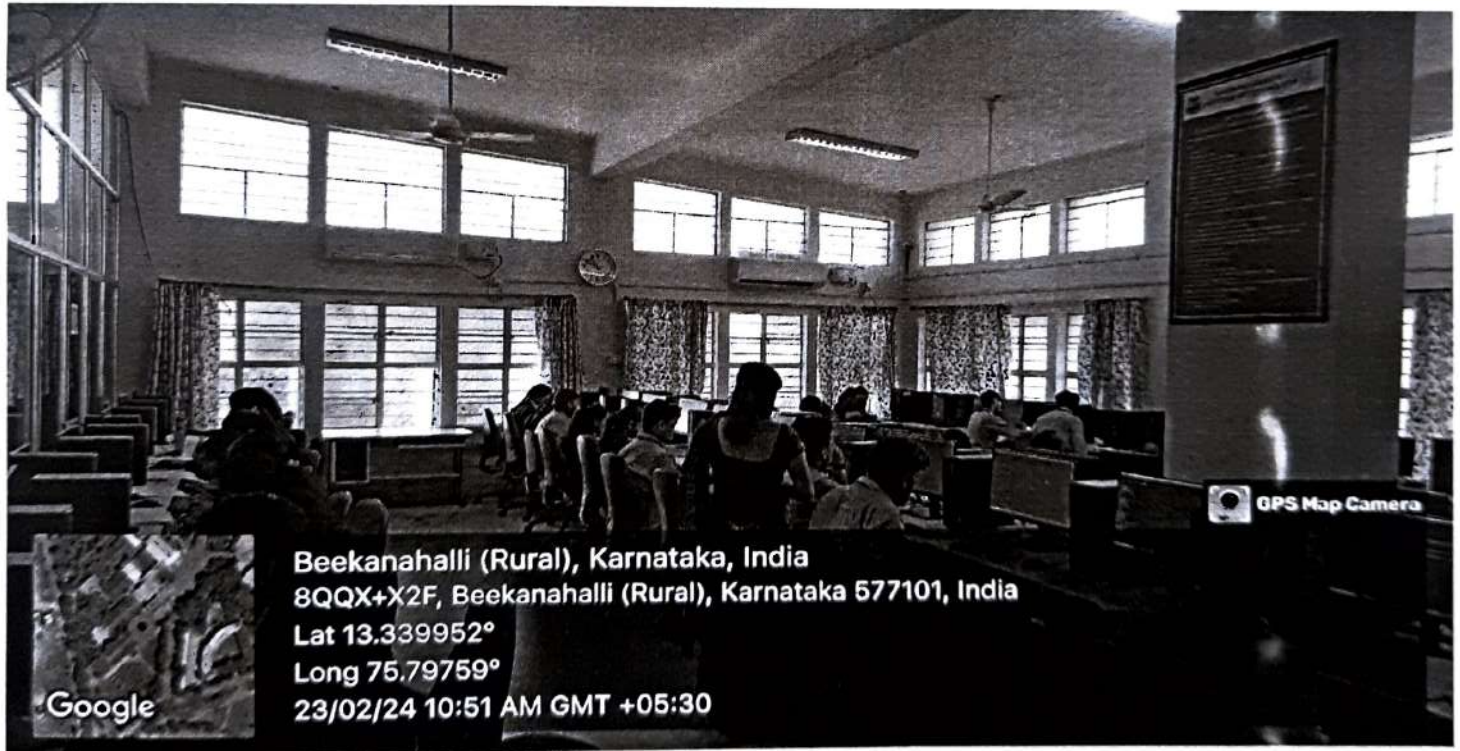
38	4AI21CS077	Sachin Ramesh
74	4AI21CS078	Sagar G
40	4AI21CS087	Shaivy. S
41	4AI21CS089	Sheeghra K S
42	4AI21CS090	Shivani B L
43	4AI21CS091	Shoibul Akther
44	4AI21CS092	Shree Raksha R
45	4AI21CS093	Shree Roopa C M
46	4AI21CS096	Sinchana S D
47	4AI21CS100	Spoorthi K R
48	4AI21CS106	Sushruth Hebbar
49	4AI21CS109	Tejaswa D
50	4AI21CS110	Tejaswini K M
51	4AI21CS112	Upputuri Satish
52	4AI21CS113	Uthsavi M B
53	4AI21CS114	Vamshik K S
54	4AI21CS115	Varshini K
55	4AI21CS116	Varshini R
56	4AI21CS117	Varun B Vernekar
57	4AI21CS120	Vishwas S
58	4AI21CS121	Vivek S Murthy
59	4AI21CS123	Yuhina Bariz
60	4AI21CS124	Zoya Fathima
61	4AI21CS125	Deepak S Gowda
62	4AI21CS128	Puneeth Y
63	4AI22CS401	Bhagya B B
64	4AI22CS402	Bhavana L U
65	4AI22CS403	Bhavani K G
66	4AI22CS404	Hruthika M
67	4AI22CS405	kanchana R P
68	4AI22CS408	Sinchana E
69	4AI22CS409	Sudharani S M
70	4AI22CS412	Rakshitha K A



Signature Of HOD

Professor and H.O.D.

Department of Computer Science and Engg.
Adichunchanagiri Institute of Technology
CHIKMAGALUR - 577102





VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi- 590 018



CASE STUDY REPORT

ON

“AIRLINE RESERVATION ”

Submitted in partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

Under the Guidance of
Prof.Keerthishree B T., B.E., M.Tech
Assistant Professor,
Dept. of CS&E

Submitted by

AMRUTHA H N (4AI21CS008)

BHAVANA L U (4AI21CS402)

BHAVANI K G (4AI21CS403)

RAKSHITHA K A (4AI21CS412)

SINCHANA E (4AI21CS408)

PAVAN K(4AI21CS072)

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SACHIN RAMESH G(4AI21CS077)

SHOIBUL AKTHAR (4AI21CS091)



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to VTU, Accredited by NBA)
CHIKKAMAGALURU-577102, KARNATAKA
2023-24

AIRLINE RESERVATION

Airline Reservation Informational description

There are 6 different airlines in 6 different countries: Canada - Air Can, USA - USAir, UK - Brit Air, France - Air France, Germany - Lufthair,

Italtair. Their flights involve the following 12 cities: Toronto and Montreal in Canada, New York and Chicago in US. London and Edinburgh in UK, Paris and Nice in France, Bonn and Berlin in Germany, Rome and Naples in Italy. In each of the 12 cities, there is a (single) booking office. You are going to design a central air-reservation database to be used by all booking offices.

The flight has a unique flight number, air line code, business class indicator, smoking allowed indicator. Flight availability has flight number, date + time of departure, number of total seats available in business class.

The customers may come from any country, just the 6 above, and from any province and from any city. Customer has first & last name, mailing address, zero or more phone numbers, zero or more fax numbers, and zero or more email addresses. mailing address has street, city, province or state, postal code and country. Phone / fax number has country code, area code and local number. Email address has only one string, and no structure is assumed. A customer can book one or more flights. Two or more customers may have same mailing address and / or same phone number(s) and / or same fax number(s). But the email address is unique for each customer. First and last names do not have to be unique.

Booking has an unique booking number, booking city, booking date, flight number, date & time of departure (in local time, and time is always in hours and minutes), date & time of arrival (in local time), class indicator, total price (airport tax in origin) + airport tax in destination + flight price - in local currency. The flight price for business class is 1.5 times of the listed flight price).
Status indicator (three types: booked, canceled
- the customer canceled the booking, & last ch
- the customer had not paid in full 30

days prior to the departure). Customer who is responsible for payment, amount-paid-to for (in local currency), outstanding balance (in local currency), the first & last names to be printed on the ticket. The airport taxes must be entered in local currencies (i.e. Canadian dollars, US dollars, British pounds, French francs, German marks, and Italian Lira). Since the exchange rates change daily, they also must be entered for calculations of all prices involved.

Though France, Germany, and Italy have had a common currency for a while, we used the names of their original currencies to involve in this exercise currency exchange rates and their changes.

4.4 Airline Reservation DB2 dehemaa.

Create table customer (

custid int not null,
Fname varchar(20) not null,
Lname varchar(20) not null,
address varchar(20) not null,
city varchar(20) not null,
province varchar(20) not null,
country varchar(20) not null,
postcode varchar(20) not null,
primary key (custid)

)

Create table phone (

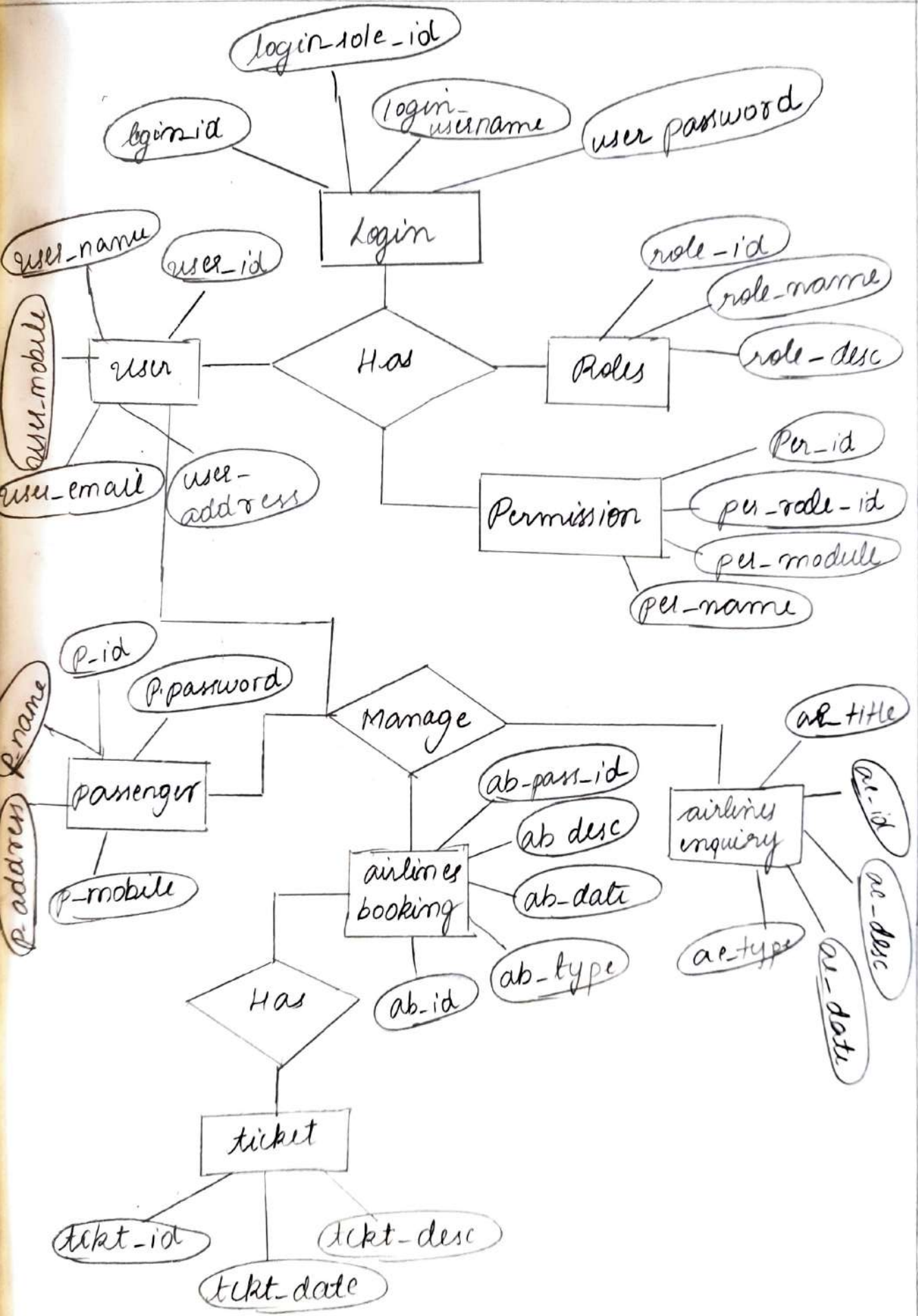
Partycode char(2) not null,
pareacode char(3) not null,
Pnumber char(7) not null,
custid int not null,

primary key (custid), Partycode, pareacode, Pnumber
foreign key (custid) References customer (custid)

)

Create table Fax (

Fareacode char(3) not null,
Fctrycode char(2) not null,
Fnumber char(7) not null,



custid int not null,
primary key (custid), Pctrycode, Foreacode, Pnum),
foreign key (custid) References Customer (custid)

)
create table Email (

Email varchar (50) not null,

custid int not null,

primary key (custid, Email),

unique (Email),

foreign key (custid) References Customer

(custid))

)
create table Country (

CTRYCD char (2) not null,

CTRYNM varchar (30),

primary key (CTRYCD)

)
create table airline (

Airlinecd varchar (10) not null,

ctrycd char (2) not null,

primary key (Airlinecd),

foreign key (ctrycd) references country

(ctrycd))

)
create table flight (

Fno varchar (10) not null,

dmallows char (1) not null,

BCard char (1),

Airlinecd var char (10) not null,

primary key (fno).

Foreign key (Airline) references airline (airline)

```
)  
create table currency (  
    Fcurr char(30) not null,  
    Tcurr char(3) not null,  
    Exchrat decimal(8,4) not null,  
    primary key (Fcurr, Tcurr)  
)
```

```
)  
create table city (  
    citynm varchar(30),  
    cityid int not null,  
    ctrycd char(2) not null,  
    primary key (cityid),  
    foreign key (ctrycd) references country  
(ctrycd))
```

```
create table airport (  
    cityid int not null,  
    airportcd char(3) not null,  
    airportnm varchar(50),  
    airporttax decimal(6,2) not null,  
    primary key (airportcd),  
    foreign key (cityid) references city (cityid)  
)
```

```
)  
create table city_currency (  
    cityid int not null,  
    Fcurr char(3) not null,
```

TCurr Char(3) not null,
 primary key (cityid, FCurr, TCurr),
 foreign key (cityid) references city (cityid),
 foreign key (FCurr, TCurr) references
 currency (FCurr, TCurr)

create table flight-availability (
 Flen varchar(30) not null,
 depTime varchar(30) not null,
 arrTime varchar(30) not null,
 Fno varchar(30) not null,
 Bbusseat int not null,
 Beconseat int not null,
 Tbusseat int not null,
 Tconseat int not null,
 Dest char(3) not null,
 Orig char(3) not null,
 primary key (Fno, Orig, Dest, DepTime, ArrTime)
 foreign key (Fno) references flight (Fno),
 foreign key (Dest) references airport (airportid),
 foreign key (Orig) references airport (airportid)

)
 create table class (
 classid int not null,
 class varchar(10),
 primary key (classid)

create table status (
 statusid int not null,
 status varchar(10),
 primary key (statusid))

)
 create table Booking (
 BK GNo int not null,
 BK GDate date not null,
 BAL decimal(8,2),
 TO T Price decimal(8,2),
 Paidamt decimal(8,2) not null,
 F Price decimal(8,2) not null,
 FNo varchar(10) not null,
 DepTime varchar(30) not null,
 ArrTime varchar(30) not null,
 Dest char(3) not null,
 Orig char(3) not null,
 BK G City int not null,
 custid int not null,
 paid by int not null,
 classid int not null,
 statusid int not null,

primary key (BK GNo),

foreign key (FNo, Orig, Dest, DepTime, ArrTime)

references flight-Availability (FNo, Orig, Dest, DepTime, ArrTime),

foreign key (BK G City) references city (City)

1) Insert into table customer values (1, "MS", "Shoni",
"RR nagar", "Poozara", "Ramehi", "Canada", "555001");

Insert into customer values (2, "Dhikhar",
"Dauwan", "RA nagar", "Delhi", "Alipur", "India", "57711");

Insert into customer values (3, "Dhubman", "gill",
"RB nagar", "mumbai", "malad", "India", "500110");

Insert into customer values (4, "viral", "Kohli",
"RL nagar", "Banglore", "mycore", "India", "500111");

Insert into customer values (5, "Ravindra", "Jadeja",
"RD nagar", "Rajasthan", "Pali", "India", "511100");

2) Insert into phone values ("AB", "ABC", "ABCDEFGH", 1);

Insert into phone values ("CD", "CDE", "EDEF GHI", 2);

Insert into phone values ("EF", "EFG", "EFGHIJK", 3);

Insert into phone values ("GH", "GHI", "GHIJKLM", 4);

Insert into phone values ("IJ", "IJK", "IJKLMNOP", 5);

3) Insert into Fax values ("FDR", "ER", "FDRER", 1);

Insert into Fax values ("PPA", "ED", "PPAED", 2);

Insert into Fax values ("SED", "YA", "SBDYA", 3);

Insert into Fax values ("UMA", "HE", "UMAHE", 4);

Insert into Fax values ("TJA", "YE", "TJAYE", 5);

4) Insert into Email values ("abc@gmail.com", 1);

Insert into Email values ("def@gmail.com", 2);

Insert into Email values ("ghi@gmail.com", 3);

Insert into Email values ("jkl@gmail.com", 4);

Insert into Email values ("mno@gmail.com", 5);

5) Insert into country values ("XY", "ZA001");
Insert into country values ("SA", "ZA002");
Insert into country values ("UT", "ZA003");
Insert into country values ("AM", "ZA004");
Insert into country values ("PR", "ZA005");

6) Insert into Airline values ("ADL01", "A");
Insert into Airline values ("ADL02", "B");
Insert into Airline values ("ADL03", "C");
Insert into Airline values ("ADL04", "D");
Insert into Airline values ("ADL05", "E");

7) Insert into Flight values ("DA01", "X", "I", "ADL01");
Insert into Flight values ("DA02", "B", "C", "ADL02");
Insert into Flight values ("DA03", "D", "E", "ADL03");
Insert into Flight values ("DA04", "F", "G", "ADL04");
Insert into Flight values ("DA05", "H", "J", "ADL05");

8) Insert into Currency values ("AMA", "DS", "10.1");
Insert into Currency values ("BRA", "DB", "10.2");
Insert into Currency values ("CRA", "DA", "10.3");
Insert into Currency values ("DRA", "DE", "10.4");
Insert into Currency values ("ERA", "DF", "10.5");

9) Insert into city values ("APT01", 700, "XY");
Insert into city values ("APT02", 701, "LA");
Insert into city values ("APT03", 702, "UT");
Insert into city values ("APT04", 703, "AM");

Insert into city values ("AET05", 704, 'PR');

Insert into airport values (700, "AJK", "AJK001", "0.21");

Insert into airport values (701, "AJB", "AJK002", "0.22");

Insert into airport values (702, "AJC", "AJK003", "0.23");

Insert into airport values (703, "AJD", "AJK004", "0.24");

Insert into airport values (704, "AJE", "AJK005", "0.25");

Insert into city-currency values (700, "AMA", "DA");

Insert into city-currency values (701, "BAA", "DB");

Insert into city-currency values (702, "CRA", "DA");

Insert into city-currency values (703, "DRA", "DE");

Insert into city-currency values (704, "ERA", "DF");

Insert into flight-availability ("AK01", "KA01", "HA01", "DA01",

9292, 8001, 9001, 7001, "AJK", "AJK001");

Insert into flight-availability ("AK02", "KA02", "HA02", "DA02",

9393, 8002, 9002, 7002, "AJB", "AJK002");

Insert into flight-availability ("AK03", "KA03", "HA03", "DA03",

9494, 8003, 9003, 7003, "AJC", "AJK003");

Insert into flight-availability ("AK04", "KA04", "HA04", "DA04",

9595, 8004, 9004, 7004, "AJD", "AJK004");

Insert into flight-availability ("AK05", "KA05", "HA05",

"DA05", 9696, 8005, 9005, 7005, "AJE", "AJK005");

(13) Insert into class values("2U01", 10);
Insert into class values("2U02", 11);
Insert into class values("2U03", 12);
Insert into class values("2U04", 13);
Insert into class values("2U05", 14);

(14) Insert into status values(991, "DAB01");
Insert into status values(992, "DAB02");
Insert into status values(993, "DAB03");
Insert into status values(994, "DAB04");
Insert into status values(995, "DAB05");

(15) Insert into Booking values(521, "12-may-13", "5.2", 525,
"25.5", "212.5", "DA01", "KA01", "HA01", "A0A", "ATK001",
700, 1, 1, "2U01", 991);
Insert into Booking values(522, "13-JUN-14", "5.3", 535,
"35.5", "213.5", "DA02", "KA02", "HA02", "A0B", "ATK002", 700,
2, 2, "2U02", 992);
Insert into Booking values(523, "14-JUL-14", "5.4", 545,
"36.5", "223.5", "DA03", "KA03", "HA03", "A0C", "ATK003", 700,
3, 3, "2U03", 993);
Insert into Booking values(524, "15-JUN-11", "5.5",
"545.1", "37.5", "221.6", "DA04", "KA04", "HA04", "A0D",
"ATK004", 700, 4, 4, "2U04", 994);

foreign key (custid) reference customer (custid),
 foreign key (paidby) reference customer (custid),
 foreign key (clanid) reference class (clanid),
 foreign key (statuid) reference status (statuid)

H. 5 Airline Reservation Interactive Queries.

Query 1: Get all the customers who lives in Canada and sort by customer-id.

select custid as customer-id
 from customer
 where country = 'Canada'
 order by custid

Query 2:

customer_id
1.

Query 2: List all different customers who made bookings.

select distinct cusid as customer_id
from Booking

customer_id
1
2
3
4
5

Query 3: - Display all currency exchange rate greater than 1. please sort them by from-currency and to-currency.
select from-currency as from-currency, to-currency as to-currency, exchange as exchange-rate
from currency
where exchange > 1

FROM-CURRENCY	TO-CURRENCY	EXCHANGE-RATE
AMA	DS	10.1
BRA	DB	10.2
CRA	DA	10.3
DRA	DE	10.4
ERA	DI	10.5

Query Hi-List all the flight availabilities between Toronto (airport code is 'YYZ') and New York (airport code is 'JFK'). Please display flight-no, origin, destination, departure-time, and arrival-time. Please sort them by flight-no.
 select Fno as flight-no, orig as origin, dest as destination, deptime as departure-time, Arrtime as arrival-time, from flight-availability where orig = 'YYZ' and dest = 'JFK' OR orig = 'JFK' AND dest = 'YYZ' order By FNo

FLIGHTNO	ORIGEN	DESTINA- -TION	ARRIVAL- -TIME
DAO1	AJK001	AJK	9292
DAO2	AJK002	AJB	9393
DAO3	AJK003	AJC	9494
DAO4	AJK004	AJD	9595
HA05	AJK005	AJE	8005

Query 5: List all customers who did not place any booking. please display customer-id only, and sort records by customer-id.
 delete custid As customer-id from customer where custid not IN (select Distinct Custid from Booking) order By custid

CUSTOMER-ID
1
2
3
4
5

Query 6: Display all customer's first-name, last-name, phone-no (format like 416-111-2222) and email. please sort them by customer-id.
 delete C. Custid As customer-id,
 C. FName As first-name,
 C. LName As last-name,
 P. PRTYcode || '-' || P. Paracode || '-' || P. Pnumber As phone_no, E. Email as Email
 From customer C
 Right Join phone P on C. Custid = P. Custid
 Right Join Email E on C. Custid = E. Custid
 order By C. Custid

CUSTOMER-ID	FIRST-NAME	LAST-NAME	PHONE-NO	EMAIL
1	Dhoni	MS	0008	abc@gmail.com
2	Shikhar	Dawan	0009	def@gmail.com
3	Shubman	Gill	0010	ghi@gmail.com
4	Virat	Kohli	0011	jkl@gmail.com
5	Ravindra	Jadeja	0012	mno@gmail.com

Query 7: List all canceled bookings. please display
 bookings-no, customer-id, flight-no, origin,
 destination, class, status and booking-city. please
 also sort by booking-no, customer-id and
 flight-no.
 select BkgNo as Booking-no, Custid as Customer-id,
 Fno as flight-no, Orig as origin, Dest as
 destination, C. class as class, S. status as status,
 City.citynm as Booking-city
 from Booking B inner join Flights S on B. statusid=
 S. statusid inner join class C on B. classid=C.classid
 inner join city on B. BkgCity = city.cityid
 where S. status = 'canceled'
 Order By BkgNo, Custid, Fno

BOOKING No	CUSTOMER ID	FLIGHT NO	ORIGIN	DESTINATION	CLASS	STATUS	PRICE
521	1	KA01	700	ASK001	DU01	991	700
522	2	KA02	701	ASK002	DU02	992	700
523	3	KA03	702	ASK003	DU03	993	700
524	4	KA04	703	ASK004	DU04	994	700
525	5	KA05	704	ASK005	DU05	995	700

Query 8: List total-price, total-payment and total balance for each city. please exclude cancelled bookings and dont records by city-name.

```

select c.citynm as city, sum(Totprice) as total-price, sum(payment) as total-payment, sum(BAL) as total-balance
from Booking B
inner join city c on B.BKG_CITY = c.cityid
where statusid <> 2
group by c.citynm
order by c.citynm

```

city	total-price	total-payment	total-Balance
AUTO1	212.5	25.5	5.2
AUTO2	213.5	35.5	5.3
AUTO3	228.5	36.5	5.4
AUTO4	37.5	37.5	5.5
AUTO5	47.5	38.5	5.6

Query 9: calculate new total-price for each booking
 of origin airport tax increase by 0.01 and
 destination airport tax decrease by 0.005.
 Please display booking-no, origin, destination,
 flight-price, previous-total-price and new-total
 price.

select BK GNO AS booking-no, origin, dest as
 destination, Fprice as flight-price, TO price as
 previous-total-price, $Fprice * (1 + (0. Airport tax$
 $+ 0.01) + (D. Airport tax - 0.005))$ AS new-total-
 price

From Booking B on B.orig = 0. Airport tax
 Inner Join airport O on B.dest = 0. Airport tax
 Inner Join airport D on B.dest = 0. Airport tax

Booking-no	origin	Destination	Flight-price	Revenue-total
521	AJK001	AJK	212.5	525.5
522	AJK002	AJB	213.5	535.5
523	AJK003	AJL	223.5	54.5
524	AJK004	AJD	221.6	545.1
525	AJK005	AJE	231.6	535.2

Query 10: list number-of-bookings, number-of-emails, number-of-phones and number-of-fax for each customer.

- select C.custid as Customer-ID
- (select count (custid) from Booking where custid=C.custid) As number-of-Booking
- (select count (custid) from email where custid=C.custid) As number-of-emails.
- (select count (custid) from phone where custid=C.custid) As number-of-phones
- (select count (custid) from fax where custid=C.custid) As number-of-fax From Customer C.

customer-id
1
2
3
4
5

**TECHNICAL TALK
ON
"Basics of HTTP and Web API'S with POSTMAN"
AND
OVERLEAF**

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- 1. PROGRAM SCHEDULE**
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- 3. REGISTRATION FORM**
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- 5. FEEDBACK FROM STUDENTS**
- 6. SAMPLE CERTIFICATE**
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TECHNICAL TALK ON "Basics of HTTP and Web API'S using POSTMAN"

PROGRAM SCHEDULE

11/8/2023 (9:30 AM-5:00PM)	
09:30AM -10:00AM	Inaugural Function
10:00 AM -11:30 AM	Basics of HTTP and Web API's with Postman
11:30 AM-11:45 AM	Break
11:45 AM- 1:00 PM	Basics of HTTP and Web API's with Postman
1:00PM-2:30 PM	LUNCH BREAK
2:30 PM-4:30PM	POSTMAN
4:30- 5:00PM	VALIDICTORY FUNCTION

Resource Persons:

1. Dr. Mohit P. Tahiliani, Assistant Professor, Department of Computer Science and Engineering, Chair, IEEE Mangalore section, NITK Surathkal

COORDINATOR'S

Mrs. Arpitha C.N., Assistant Professor, Dept. of CS&E

Mr. Harisha S., Assistant Professor, Dept. of CS&E

Mr. Manikanta Prasad J., Assistant Professor, Dept. of CS&E





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TECHNICAL TALK ON "OVERLEAF"

PROGRAM SCHEDULE

14/8/2023 (9:30 AM-5:00PM)	
09:30AM -10:00AM	Inaugural Function
10:00 AM -11:30 AM	OVERLEAF
11:30 AM-11:45 AM	Break
11:45 AM- 1:00 PM	OVERLEAF
1:00PM-2:30 PM	LUNCH BREAK
2:30 PM-4:30PM	HANDS-ON SESSION ON OVERLEAF
4:30- 5:00PM	VALIDICTORY FUNCTION

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Mohit P. Tahiliani is an Assistant Professor of Computer Science and Engineering at National Institute of Technology Karnataka (NITK), Surathkal, India, and a Member of the Board of India Internet Engineering Society (IIESoc). He obtained Ph.D. in the area of Congestion Control Mechanisms for the Next Generation Internet from the NITK Surathkal, India in 2013. His areas of interest include Network Congestion Control, Queue Disciplines, Network Function Virtualization, Deterministic Networking, IPv6 deployments, Named Data Networks, and Distributed Ledger Technology. He has executed projects in these areas that have been funded by Intel Technologies India Pvt. Ltd., Bangalore, ABB Global Industries and Services Pvt. Ltd., Bangalore, Robert Bosch Engineering, and Business Solutions Pvt. Ltd., Tata Communications Ltd., Epsilon India, Robosoft Technologies Pvt. Ltd., Samsotech International, Dubai and Futurewei Technologies, Inc., USA. Currently, Mohit is managing funded projects worth 2.5 crores. Mohit received the EMC Young Achiever of 2015 Award from EMC Corporation, Bangalore, and the Outstanding Young Professional Volunteer Award of 2021 by IEEE Bangalore Section.

Mohit has contributed to open-source projects for more than a decade. A packet scheduler developed by his team at NITK Surathkal to fight the Bufferbloat problem got merged into the mainline of the Linux kernel (v5.6). He is a Member of the Steering Committee of the ns-3 consortium, and a co-maintainer of traffic-control and TCP modules in ns-3. He served as a Member of the PC for Workshop on ns-3 (WNS3) for the past eight editions. Besides, he served as a Mentor for Google Summer of Code (GSoC) from 2017 - 2023 for the ns-3 organization and was one of the Organization Administrators for 2022. He also served as an









Organization Administrator for ns-3's participation in Google Code-In (GCI) during 2018 and 2019.

He has 50+ technical publications in peer-reviewed international conferences and journals. He is a Reviewer for IEEE Internet of Things, IEEE Transactions on Cloud Computing, IEEE Transactions on Networking, Elsevier Journal of Network and Computer Applications, Computer Communications, Inderscience journals, IEEE Communication Letters, and held several other roles in IEEE and Springer conferences. He served as a Guest editor for Annals of Telecommunications, Springer journal. He is a Senior Member of IEEE and was a Student Activity Chair of IEEE Mangalore Sub-Section during 2015-2017, Secretary during 2021, and a Member of the Executive Committee of IEEE Mangalore Sub-Section for 7 years. He is currently the Chair of IEEE Mangalore Sub-Section. He is also a member of ACM.

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in Association with Computer Society of INDIA

ORGANISES
TECHNICAL TALK ON
Basics of HTTP and web API'S with POSTMAN

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130	4AI21CS033	Harshith S	harshithsuresh2408@gmail.com	B	8317424369	Harshith S
131	4AI21CS020	Chethan Naik H S	schethan181@gmail.com	B	9880470672	Chethan Naik
132	4AI21CS072	Pavan K	pavanacharya451@gmail.com	A	9480254896	Pavan K
133	4ai21cs111	Uday Keerthi g r	udaykeerthi09@gmail.com	B	9019932931	Uday
134	4AI21CS032	Hamsa Prakash	hamsaprakash05@gmail.com	A	06366728790	Hamsa
135	4AI21CS082	Sanjana Kumar	sanjanakumarsanjanakumar09@gmail.com	B	9008435796	Sanjana Kumar

136 4AI21CS401 Bhagya.B.B bhagyabb137@gmail.com A 6361289718 Bhagya.B.B

137 4AI21CS012 Anushree A.R anushreemeda@gmail.com B 9886263110 Anushree A.R

138 4AI21CS120 Vishwas S vishwasshetty275@gmail.com 9141066511

139 4AI21CS112 U. Satish upputuri satish 99@gmail.com 9353706673

140 4AI21CS001 Karanjitha N Karanjith 1333@gmail.com 8073141322

141 4AI21CS077 Sachin Ramesh sachinramesh245522@gmail.com 'A' 9449347589

142 4AI21CS129 Chandan.A.B chandub748@gmail.com 'B' 8296083412

143 4AI21CS0410 Veerabhadra chouds veerabhadra chouds 2002@gmail.com 'B' 8088578992

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING****4TH SEMESTER 'B' SECTION**

Sl.NO	USN	NAME	ATTENDANCE	
			9:00 AM- 11:30AM	11:45 AM- 1:00PM
1	4AI21CS002	Abdul Rahman		
2	4AI21CS003	Abhinandan C		
3	4AI21CS006	Aishwarya A M		
4	4AI21CS007	Akash H R		
5	4AI21CS009	Amrutha M D		
6	4AI21CS011	Ananya K C		
7	4AI21CS012	Anushree A R		
8	4AI21CS015	Avishka V M		
9	4AI21CS016	Avvari Venkatesh		
10	4AI21CS020	Chethan Naik H S		
11	4AI21CS022	Deeksha K R		
12	4AI21CS024	Deekshith D L		
13	4AI21CS025	Deepika B Y		
14	4AI21CS026	Dheeraj Gowda M D		
15	4AI21CS029	Diwakar N		
16	4AI21CS031	Guruprasad K		
17	4AI21CS033	Harshith S		
18	4AI21CS035	Harshitha S		
19	4AI21CS036	Harshitha T A		
20	4AI21CS047	Keerthi B G		
21	4AI21CS048	Koushik R	A	A
22	4AI21CS049	Kruthik B		
23	4AI21CS050	Kushal Jetty K V		
24	4AI21CS057	Mohammed Asim Farhan		
25	4AI21CS058	Prasidh N P		
26	4AI21CS059	Nakshathra		
27	4AI21CS063	Nayana L		
28	4AI21CS065	Nisarga B S		
29	4AI21CS066	Nisarga K S		
30	4AI21CS067	Nisha H M		
31	4AI21CS069	Nithin S		
32	4AI21CS070	Nithish S N		
33	4AI21CS071	Palguna D P		
34	4AI21CS073	Pratheek G Morabad		
35	4AI21CS074	Rakshith C N		
36	4AI21CS075	Rashmi B		
37	4AI21CS076	Rathan M E		

			ATTENDANCE	
38	4AI21CS079	Sahana D S		
39	4AI21CS080	Sandhyarani N G		
40	4AI21CS081	Sangeetha D R		
41	4AI21CS082	Sanjana Kumar		
42	4AI21CS083	Sanjay N C		
43	4AI21CS084	Sanjay Yathish		
44	4AI21CS085	Sannidhi G S		
45	4AI21CS086	Savita R Hagalambi		
46	4AI21CS094	Siddarth H M		
47	4AI21CS095	Sinchana S	A	A
48	4AI21CS097	Sindhu A M		
49	4AI21CS098	Siri C S		
50	4AI21CS099	Sonali M N		
51	4AI21CS101	Srujan A M		
52	4AI21CS102	Srusti B N		
53	4AI21CS103	Subhiksha H R		
54	4AI21CS104	Suchi P C		
55	4AI21CS105	Sushmitha K U		
56	4AI21CS108	Swamy K L		
57	4AI21CS111	Uday Keerthi G R		
58	4AI21CS118	Vijeth B V		
59	4AI21CS119	Vimarsh N M		
60	4AI21CS122	Yashwanth R		
61	4AI21CS126	Manoj M D		
62	4AI21CS127	Shashank B S		
63	4AI21CS129	Chandan A B		
64	4AI22CS400	Akshay M A		
65	4AI22CS407	Hussen		
66	4AI22CS410	Veerabhadrachar D S		
67	4AI22CS406	MANIKANTA NAIK		
68	4AI22CS411	DHANARAJ M	A	A

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

4TH SEMESTER 'A' SECTION

			12/8/2023	
40	4AI21CS087	Shaivy. S		
41	4AI21CS089	Sheeghra K S		
42	4AI21CS090	Shivani B L		
43	4AI21CS091	Shoibul Akther		
44	4AI21CS092	Shree Raksha R		
45	4AI21CS093	Shree Roopa C M		
46	4AI21CS096	Sinchana S D		
47	4AI21CS100	Spoorthi K R		
48	4AI21CS106	Sushruth Hebbar	A	A
49	4AI21CS109	Tejaswa D		
50	4AI21CS110	Tejaswini K M		
51	4AI21CS112	Upputuri Satish		
52	4AI21CS113	Uthsavi M B		
53	4AI21CS114	Vamshik K S		
54	4AI21CS115	Varshini K		
55	4AI21CS116	Varshini R		
56	4AI21CS117	Varun B Vernekar		
57	4AI21CS120	Vishwas S		
58	4AI21CS121	Vivek S Murthy		
59	4AI21CS123	Yuhina Bariz		
60	4AI21CS124	Zoya Fathima		
61	4AI21CS128	Puneeth Y		
62	4AI21CS125	Deepak S Gowda		
63	4AI22CS409	Sudharani S M		
64	4AI22CS403	Bhavani K G		
65	4AI22CS405	kanchana R P		
66	4AI22CS402	Bhavana L U		
67	4AI22CS401	Bhagya B B		
68	4AI22CS408	Sinchana E		
69	4AI22CS412	Rakshitha K A		
70	4AI22CS404	Hruthika M		

si. No.	USN	Name	Section	What is your opinion about the talk	Was the information shared useful and informative ?	How would you rate presenter's knowledge on the subject	How would you rate the presenter's way of teaching	Do you expect some more such talks in future	Comments/ Suggestions
1	4AI21CS118	Vijeth B V	B	Excellent	Good	Good	Excellent	No	Talk was more useful
2	4AI21CS006	Aishwarya A M	B	Excellent	Excellent	Excellent	Excellent	Yes	-
3	4AI21CS012	Anushree AR	B	Excellent	Excellent	Excellent	Excellent	Yes	No
4	4AI21CS086	SAVITA HAGALAMBI	B	Excellent	Excellent	Excellent	Excellent	Yes	Excellent
5	4AI21CS019	Bindushree R	A	Excellent	Excellent	Excellent	Excellent	Yes	It was such a help-full session
6	4AI21CS060	Nakul thejas NR	A	Good	Good	Good	Good	Yes	it was good
7	4AI21CS059	Nakshathra	B	Excellent	Excellent	Excellent	Excellent	Yes	Mohit P Tahiliani sir know everything to the point
8	4AI21CS084	Sanjay Yathish	B	Good	Good	Good	Excellent	Yes	Presenter knowledge was good
9	4ai21cs031	Guruprasad.k		Good	Good	Good	Average	Yes	No

10	4AI21CS069	Nithin S	B	Excellent	Excellent	Excellent	Excellent	Yes	No comments
11	4AI21CS039	Jeevan M G	A	Excellent	Good	Excellent	Excellent	Yes	I got knowledge about the industries and innovative thinking and helps to learn about APIs
12	4AI21CS055	Manoj N	A	Excellent	Good	Excellent	Good	Yes	Nothing
13	4AI22CS401	Bhagya B B	A	Good	Good	Good	Good	Yes	No suggestion
14	4AI22CS409	SUDHARANI S M	A	Good	Good	Good	Good	Yes	No suggestions
15	4AI21CS113	Uthsavi MB	A	Excellent	Good	Excellent	Excellent	Yes	Overall the technical talk was useful
16	4AI22CS406	Manikanta naik	B	Good	Excellent	Excellent	Good	Yes	-
17	4AI21CS065	Nisarga. B. S	B	Good	Good	Excellent	Excellent	Yes	-
18	4AI21CS074	Rakshith C N	B	Good	Good	Good	Excellent	Yes	Speaker's skill to engage with the students was good and having such activities increases our knowledge
19	4AI21CS058	N P Prasidh	B	Excellent	Excellent	Excellent	Excellent	Yes	Very good
20	4AI21CS120	Vishwas S	A	Good	Excellent	Good	Good	Yes	**

21	4AI21CS098	Siri C S	B	Excellent	Excellent	Excellent	Excellent	Yes	Nothing
22	4AI21CS040	Jinu John	A	Excellent	Excellent	Excellent	Excellent	Yes	Great experience+*
23	4AI21CS036	Harshitha TA	B	Excellent	Excellent	Excellent	Excellent	Yes	Useful session
24	4AI21CS123	Yuhina bariz	A	Good	Good	Good	Good	Yes	It was good
25	4AI21CS032	Hamsa Prakash	A	Excellent	Good	Excellent	Good	Yes	More technical talks are needed like this
26	4AI21CS014	Aptha.M.A	A	Good	Good	Good	Good	Yes	It was good
27	4AI21CS054	Mangalagowri.A. T	A	Excellent	Good	Excellent	Excellent	Yes	Very useful that section .
28	4AI21CS110	Tejaswini km	A	Excellent	Excellent	Excellent	Excellent	Yes	Overall is excellent
29	4AI21CS082	SANJANA KUMAR	B	Excellent	Excellent	Excellent	Excellent	Yes	We need more certification talks regarding the future tools usage!!
30	4AI21CS016	AVVARI VENKATESH	B	Excellent	Excellent	Excellent	Excellent	Yes	We need more certification talks regarding the future tools usage!!
31	4AI21CS063	Nayana L	B	Excellent	Good	Good	Excellent	Yes	All section will be good
32	4AI21CS030	Fizahath HR	A	Excellent	Excellent	Excellent	Excellent	Yes	Excellent

|| JAI SRI GURUDEV ||



Sri Adichunchanagiri Shikshana Trust *
ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY



Chikkamagaluru - 577102

Department of Computer Science and Engineering
and
Computer Society of India (CSI)



PARTICIPATION CERTIFICATE



IEEE

IEEE Mangalore Subsection

This is to certify that Mr./Mrs. Abhinandan C

bearing the USN 4AI21CS003

has participated in Technical Talk on the topic "Basics of HTTP and Web API's with Postman" organised by Department of Computer Science & Engineering, Adichunchanagiri Institute of Technology, Chikkamagaluru in Association with Computer Society of India on 11th August 2023.

Dr. Mohit.P.Tahiliani
Resource Person
Assistant Professor,
Dept.of CS&E,
Chair, IEEE Bangalore Section,
NITK, Surathkal.

Dr. Pushpa Ravikumar
Professor & Head,
Dept.of CS&E,
AIT, Chikkamaagluru.

Dr. C.T Jayadeva
Principal
AIT, Chikkamagaluru.

**Technical talk
on
“Basics of HTTP and WEB API’s with Postman”**



Inauguration Function of Technical Talk



Felicitation for **Dr. Mohith P Tahilianai**, Assistant Professor, NITK Surathkal, **Dr. C.K Subbaraya**, Registrar, Adichunchanagiri University, BG Nagar, **Dr. C.T Jayadeva**, Principal, Adichunchanagiri Institute of Technology, Chikkamagaluru.

Outcome

The technical talk on the topic "**Basics of HTTP and web API'S with postman**" was conducted for 4th semester students on 11/8/2023 by Dr. Mohit P Tahiliani, Assistant Professor, NITK, Surathkal.

The technical talk was very informative and helpful for the students. Students were able to learn,

- Introduction to API's
 - What are API's
 - Types of API's
- Collaborative API Development
 - Introduction to postman
 - API'S Supported in Postman
- Classroom program om postman

From the guidelines given by the resource person many students have registered for postman and completed the assignment successfully and has obtained the postman badge as well.

Outcome

The technical talk on the topic "**OVERLEAF**" was conducted for 4th semester students on 14/8/2023 by Dr. Mohit P Tahiliani, Assistant Professor, NITK, Surathkal.

The technical talk was very informative and helpful for the students. Students were able to learn,

- What is overleaf
- Features and benefits of overleaf
- Templates available in overleaf
- Using different templates for report writing and document preparation

From this the students are able to write document effectively with much ease and with reduced time of formatting.

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
CHIKKAMAGALURU
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

07/10/2024

All seventh semester students are hereby informed to attend the Technical talk on '**How to prepare PPT for Board Work**' addressed by Prof Arpitha C N., Assistant Professor, Department of CS&E, on 14/10/2024 and 15/10/2024 for A and B section respectively.

Venue: CS&E Seminar hall
Time: 2 30 PM

Note: For absentees 15 marks will be deducted in Final Project marks.

Shanthi
Mithuna B N

Signature of coordinators



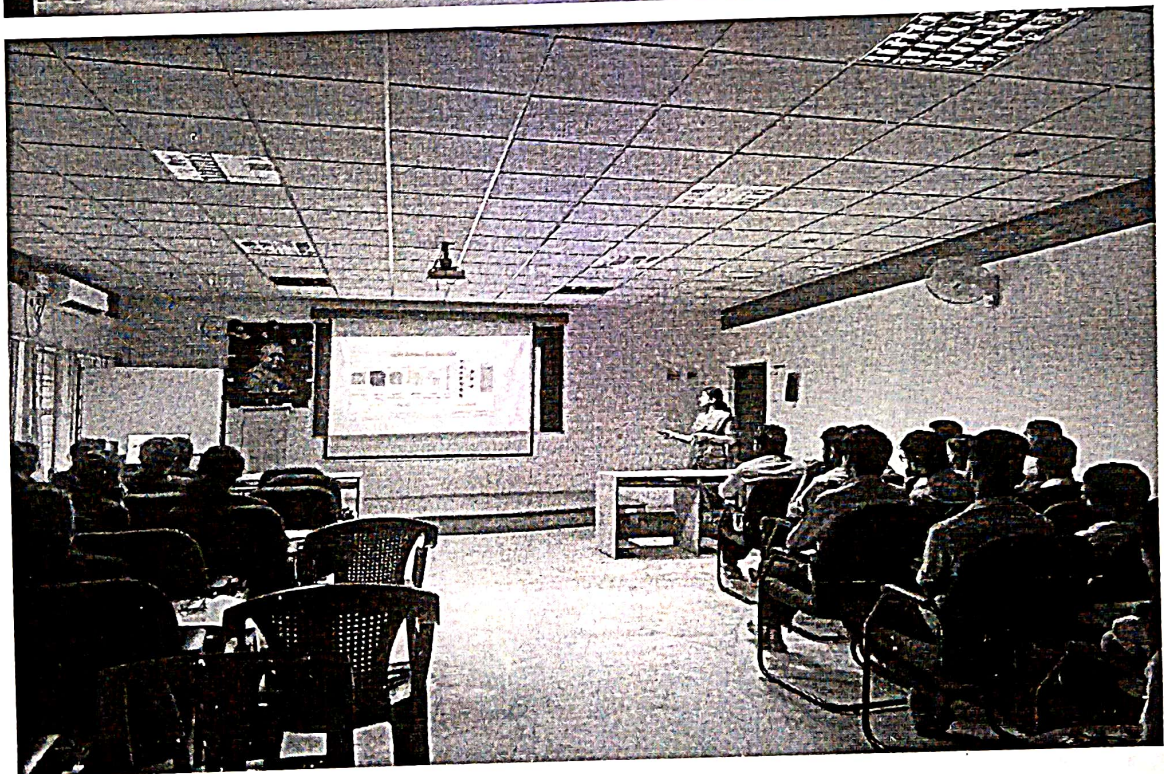
Professor and H.O.D.

Department of Computer Science and Engg
Adichunchanagiri Institute of Technology
CHIKMAGALUR - 577102

One Day Workshop for 7th semester students on Data Mining and Image Processing Techniques

Resource Person: Prof Arpitha C N.

Date: 14/10/2024 and 15/10/2024



ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

7th SEMESTER 'B' SECTION

Sl.No	USN	NAME		
1	4AI21CS002	Abdul Rahman	P	Abdul Rahman
2	4AI21CS003	Abhinandan C	P	Abhinandan
3	4AI21CS006	Aishwarya A M	P	Aishwarya
4	4AI21CS007	Akash H R	P	Akash
5	4AI21CS009	Amrutha M D	P	Amrutha
6	4AI21CS011	Ananya K C	P	Ananya
7	4AI21CS012	Anushree A R	P	Anushree
8	4AI21CS015	Avishka V M	P	Avishka
9	4AI21CS016	Avvari Venkatesh	P	Avvari
10	4AI21CS020	Chethan Naik H S	A	
11	4AI21CS022	Deeksha K R	P	Deeksha
12	4AI21CS024	Deekshith D L	A	
13	4AI21CS025	Deepika B Y	P	Deepika
14	4AI21CS026	Dheeraj Gowda M D	P	Dheeraj
15	4AI21CS029	Diwakar N	P	Diwakar
16	4AI21CS031	Guruprasad K	A	
17	4AI21CS033	Harshith S	P	Harshith
18	4AI21CS035	Harshitha S	P	Harshitha
19	4AI21CS036	Harshitha T A	P	Harshitha
20	4AI21CS047	Keerthi B G	P	Keerthi
21	4AI21CS048	Koushik R	P	Koushik
22	4AI21CS049	Kruthik B	P	Kruthika
23	4AI21CS050	Kushal Jetty K V	P	Kushal
24	4AI21CS057	Mohammed Asim Farhan	P	Mr. Asim
25	4AI21CS058	Prasidh N P	P	Prasidh
26	4AI21CS059	Nakshathra	P	Nakshathra
27	4AI21CS063	Nayana L	P	Nayana
28	4AI21CS065	Nisarga B S	P	Nisarga
29	4AI21CS066	Nisarga K S	P	Nisarga
30	4AI21CS067	Nisha H M	P	Nisha
31	4AI21CS069	Nithin S	P	Nithin
32	4AI21CS071	Palguna D P	P	Palguna
33	4AI21CS073	Pratheek G Morabad	P	Pratheek
34	4AI21CS074	Rakshith C N	P	Rakshith
35	4AI21CS075	Rashmi B	P	Rashmi
36	4AI21CS076	Rathan M E	A	

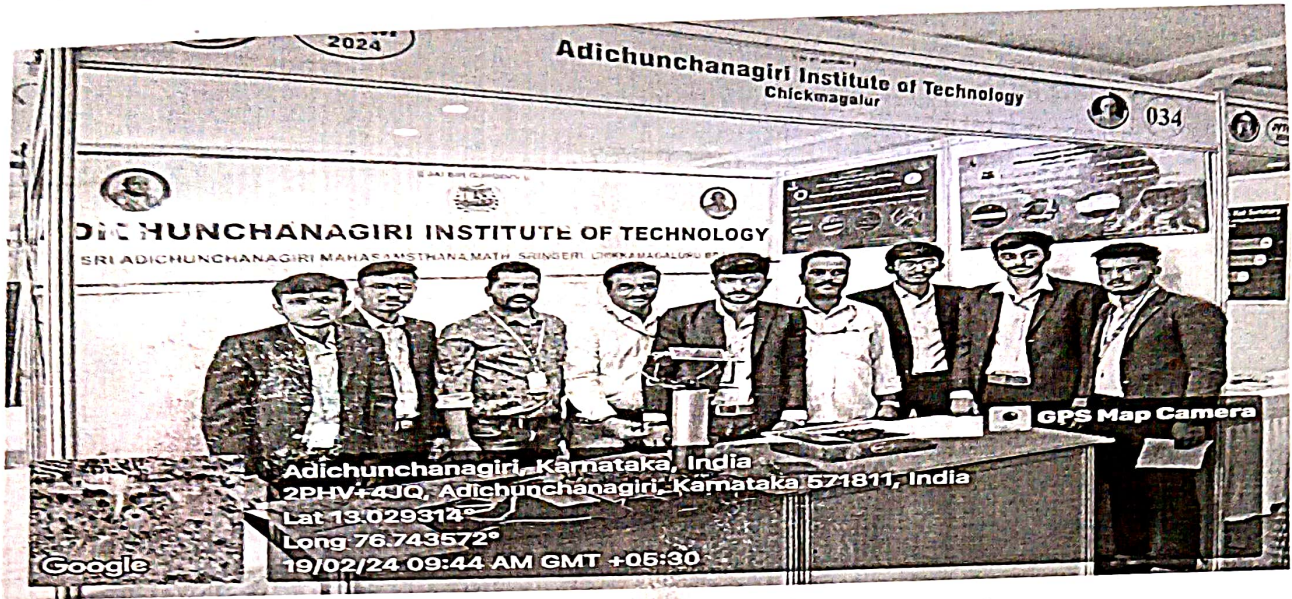
37	4AI21CS079	Sahana D S	A	
38	4AI21CS080	Sandhyarani N G	P	Sandhyarani
39	4AI21CS081	Sangeetha D R	P	Sangeetha
40	4AI21CS082	Sanjana Kumar	P	Sanjana
41	4AI21CS083	Sanjay N C	P	Sanjay
42	4AI21CS084	Sanjay Yathish	P	sanjay
43	4AI21CS085	Sannidhi G S	A	
44	4AI21CS086	Savita Hagalambi	P	Savita
45	4AI21CS094	Siddarth H M	A	
46	4AI21CS097	Sindhu A M	P	Sindhu
47	4AI21CS098	Siri C S	P	Siri
48	4AI21CS099	Sonali M N	P	sonali
49	4AI21CS101	Srujan A M	P	Srujan
50	4AI21CS102	Srusti B N	P	Srusti
51	4AI21CS103	Subhiksha H R	P	Subhiksha
52	4AI21CS104	Suchi P C	P	Suchi
53	4AI21CS105	Sushmitha K U	P	Sushmitha
54	4AI21CS108	Swamy K L	P	Swamy
55	4AI21CS111	Uday Keerthi G R	P	Uday
56	4AI21CS118	Vijeth B V	P	Vijeth
57	4AI21CS119	Vimarsh N M	P	Vimarsh
58	4AI21CS122	Yashwanth R	P	Yashwanth
59	4AI21CS126	Manoj M D	P	Manoj
60	4AI21CS127	Shashank B S	P	Shashank
61	4AI21CS129	Chandan A B	P	chandan
62	4AI22CS400	Akshay M A	P	Akshay
63	4AI22CS407	Mohammed Muzomil Hussen	P	Muzomil
64	4AI22CS410	Veerabhadrachar D S	P	Veerabhadra
65	4AI22CS406	MANIKANTA NAIK	P	Manikanta

ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
7th SEMESTER 'A' SECTION

SI.NO	USN	NAME		
1	4AI21CS001	Karanjlth A N	P	Karanjlth
2	4AI21CS004	Abhishek B	P	Abhishek
3	4AI21CS005	Advi Patel Y S	P	Advi
4	4AI21CS008	Amrutha H N	P	Amrutha
5	4AI21CS010	Ananya H J	P	Ananya
6	4AI21CS013	Anushree K N	P	Anushree
7	4AI21CS014	Aptha M A	P	Aptha
8	4AI21CS018	Bhoomika E K	P	Bhoomika
9	4AI21CS019	Bindushree R	P	Bindushree
10	4AI21CS021	Darshan M A	P	Darshan
11	4AI21CS023	Deeksha Sagar A M	P	Deeksha
12	4AI21CS027	Disha L C	P	Disha
13	4AI21CS028	Disha Vijaykumar	P	Disha
14	4AI21CS030	Fizahath H R	A	Fizahath
15	4AI21CS032	Hamsa Prakash	P	Hamsa
16	4AI21CS034	Harshitha D	P	Harshitha
17	4AI21CS037	Impana A	P	Impana
18	4AI21CS038	Jagruthi P	P	Jagruthi
19	4AI21CS039	Jeevan M G	P	Jeevan
20	4AI21CS040	Jinu John	P	Jinu
21	4AI21CS041	Jisha John	P	Jisha
22	4AI21CS042	K S Impana	P	Impana
23	4AI21CS044	Kaushik M	P	Kaushik
24	4AI21CS045	Kavana K	P	Kavana
25	4AI21CS046	Keerthana N R	P	Keerthana
26	4AI21CS051	Kushi B L Gowda	P	Kushi
27	4AI21CS052	Lakshmi J	P	Lakshmi
28	4AI21CS053	Lakshmi Pragna S	P	Lakshmi
29	4AI21CS054	Mangalagowri A T	P	Mangalagowri
30	4AI21CS055	Manoj N	P	Manoj
31	4AI21CS056	Minal J J	P	Minal
32	4AI21CS061	Navya Prakash J K	P	Navya
33	4AI21CS062	Nayana D E	P	Nayana
34	4AI21CS064	Neha S N	A	Neha
35	4AI21CS068	Nishchitha S A	P	Nishchitha
36	4AI21CS072	Pavan K	P	Pavan
37	4AI21CS077	Sachin Ramesh	A	Sachin
38	4AI21CS078	Sagar G	P	Sagar
39	4AI21CS087	Shaivy. S	P	Shaivy
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43	4AI21CS092	Shree Raksha R	P	Shree Raksha
44	4AI21CS093	Shree Roopa C M	P	Shree Roopa

45	4AI21CS096	Sinchana S D	P	Sinchana
46	4AI21CS100	Spoorthi K R	P	Spoorthi
47	4AI21CS106	Sushruth Hebbar	P	Sushruth
48	4AI21CS109	Tejaswa D	P	Tejaswa
49	4AI21CS110	Tejaswini K M	P	Tejaswini
50	4AI21CS112	Upputuri Satish	A	
51	4AI21CS113	Uthsavi M B	P	Uthsavi
52	4AI21CS114	Vamshik K S	P	Vamshik
53	4AI21CS115	Varshini K	P	Varshini
54	4AI21CS116	Varshini R	P	Varshini
55	4AI21CS117	Varun B Vernekar	P	Varun
56	4AI21CS120	Vishwas S	A	
57	4AI21CS121	Vivek S Murthy	A	
58	4AI21CS123	Yuhina Bariz	P	Yuhina
59	4AI21CS124	Zoya Fathima	A	
60	4AI21CS128	Puneeth Y	A	
61	4AI21CS125	Deepak S Gowda	P	Deepak
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63	4AI22CS403	Bhavani K G	P	Bhavani
64	4AI22CS405	kanchana R P	P	Kanchana
65	4AI22CS402	Bhavana L U	P	BHAVANA
66	4AI22CS401	Bhagya B B	P	Bhagya
67	4AI22CS408	Sinchana E	P	Sinchana
68	4AI22CS412	Rakshitha K A	P	Rakshitha
69	4AI22CS404	Hruthika M	P	Hruthika

❖ Project Exhibition at JVTM – 2024



8th Semester students demonstrating their project at Inana-nigraha Tantra Inana Mela BGSIT Bellur cross, Mandya

❖ Industrial visit to IISC Bengaluru Open day (24-02-2024)



6th Semester students visit to Indian Institute of Science, Bangalore.