

Department of Computer Science and Engineering

ICT enabled tools for effective teaching-learning process

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1.Introduction

It is only through education and the integration of ICT in education that one can teach students to be participants in the growth process in this era of rapid change . ICT make education system more productive, interesting, give more powerful instruction and also able to extent the educational opportunities to masses and creating information –rich learning environment.

To ensure that students play an active role in the learning process, Faculty make use of Information and communication technologies (ICT)in teaching-learning process.

- All our classrooms and laboratories are equipped with LCD Projectors.
- The teachers are encouraged to use modern teaching pedagogy, in addition to conventional class room teaching practices. Faculty applies teaching methods such as group discussions, seminars, student presentation for better understanding of concepts/ technologies using ICT.

The Teaching-Learning Process is supported with Regular Practical Sessions, access to Digital Library, Online Courses (MOOCS, NPTEL etc.), online journals, Use of LCD projectors for seminars and

workshops, productive use of educational videos, Communication skills training facility make the students to acquire proficiency in listening, speaking, reading and writing.

- The college has a central library well equipped with books & e-books, technical magazines, journals & e-journals and access to NPTEL lecture videos in the library, which serves as a knowledge resource.

The students and faculty are motivated to register for online NPTEL Certificate courses and additional online courses like CODE NINJA, EDUREKA etc.

Various Teaching and Learning Pedagogies used

Course Delivery Methods	Justification
Whiteboard and marker (Lecture Method)	<ul style="list-style-type: none"> To convey basics, critical information, history, background, theories and equations. To expose the students to contemporary issues Quick way to reach large numbers of students for exchange of useful information
Blended Teaching	<ul style="list-style-type: none"> Usage of Teaching aid Techniques such as Video Lectures, Power point presentations. Implementation of Active learning strategies such as Collaborative and individual Learning activities.
Laboratory Demonstration	<ul style="list-style-type: none"> Theory verified by practical approach using various data acquisition systems in the analysis. Students learn to work in teams and understand the importance of Multi-disciplinary courses in real world applications.
Course Handout	<ul style="list-style-type: none"> Course handout consists of Video lectures, Lecture Notes, Assignment questions, Tutorial questions and answers a model question papers.

2. Facilities Available

S. No.	Facility	Total Number
1	ICT Enabled Class Rooms	13
2	Tutorial Rooms	03
3	Laboratories	13
4	Seminar halls	01
7	Research and Development Lab	01
8	Computer Center	02
9	Auditorium	01

Details of ICT Enabled Class Rooms:

S. No.	Block	Room Number/Class	Floor	Area (sq. m)	Department
1	A	IB-101 / CSE –III A	First	69	Computer Science and Engineering
2	A	IB-102 / CSE –III B	First	83	
3	A	IB-103 / CSE –III C	First	69	
4	A	IB-104 / CSE – M.Tech	First	34	
5	A	IB-106 / CSE –II A	First	69	
6	A	IB-108 / CSE –II B	First	70	
7	A	IB-109 / CSE –II C	First	70	
8	A	IB-110 / CSE –II D	First	70	
9	B	IB-113 / CSE –III D	First	69	
10	B	IB-115 / CSE –IV A	First	69	
11	B	IB-117 / CSE –IV B	First	69	
12	A	IB-303 / CSE –IV C	Third	69	
13	B	IB-121 / CSE –IV D	First	69	

Details of Tutorial Rooms:

S. No.	Block	Room Number	Floor	Area (sq. m)	Department
1	A	IB-111	First	69	Computer Science and Engineering
2	A	IB-112	First	34	
3	A	IB-302	Third	84	

Details of Laboratories:

S. No.	Block	Room Number	Floor	Area (sq. m)	Description
1	AB	AB-101	First	122.6	CSE Lab – I
2	AB	AB-102	First	122.6	CSE Lab – II
3	AB	AB-201	Second	123	CSE Lab – III
		AB-202	Second	123	CSE Lab – IV

5	AB	AB-301A	Third	123	CSE Lab – V: R&D / PROJECT Lab
6	AB	AB-301B	Third		CSE Lab –VI
7	AB	AB-302A	Third	123	CSE Lab – VII
8	AB	AB-302B	Third		CSE Lab – VIII
9	AB	AB-305	Third	123	CSE Lab – IX
10	A	IB-002	Ground	83	CSE Lab X
11	B	IB-118	First	69	CSE Lab XI
12	B	IB-119	First	140	CSE Lab XII
13	B	IB-120	First		CSE Lab XIII

Details of Seminar Halls :

S. No.	Block	Room Number	Floor	Area (sq. m)	Department
1	A	IB-308 IB-309	Third	138	Computer Science and Engineering

Details of Research & Development Labs:

S. No.	Block	Room Number	Floor	Area (sq. m)	Department
1	AB	AB-301A	Third	62.73	Computer Science and Engineering

Details of Common Computer Centre:

S. No.	Block	Room Number	Floor	Area (sq. m)	Department
1	AB	AB-306	Third	181.2	Computer Science and Engineering
2	AB	AB-305	Third		

3. Geo Tagged Photographs

3.1 ICT enabled Class Rooms

Department of Computer Science and Engineering


III CSE A Class Room



III CSE B Class Room



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Principal & Professor in CSE
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III CSE C Class Room



M.TECH CSE Class Room



II CSE A Class Room



II CSE B Class Room



II CSE C Class Room



II CSE D Class Room



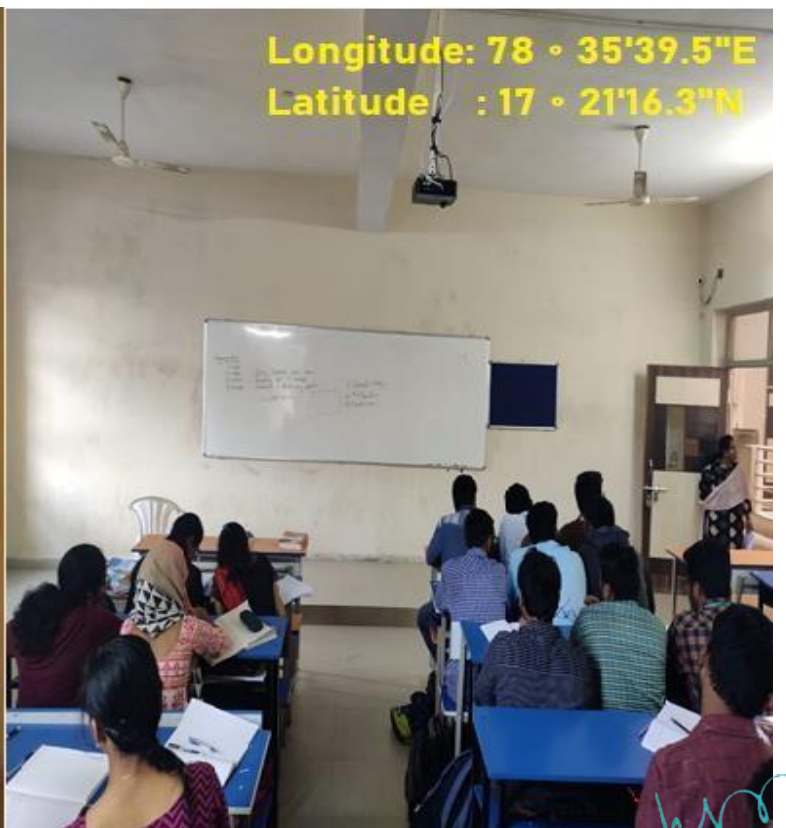
ICT enabled tools for effective teaching-learning process


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CSE Tutorial Room



III CSE D Class Room



IV CSE A Class Room



IV CSE B Class Room



IV CSE C Class Room



IV CSE D Class Room



3.2 ICT Enabled Laboratories

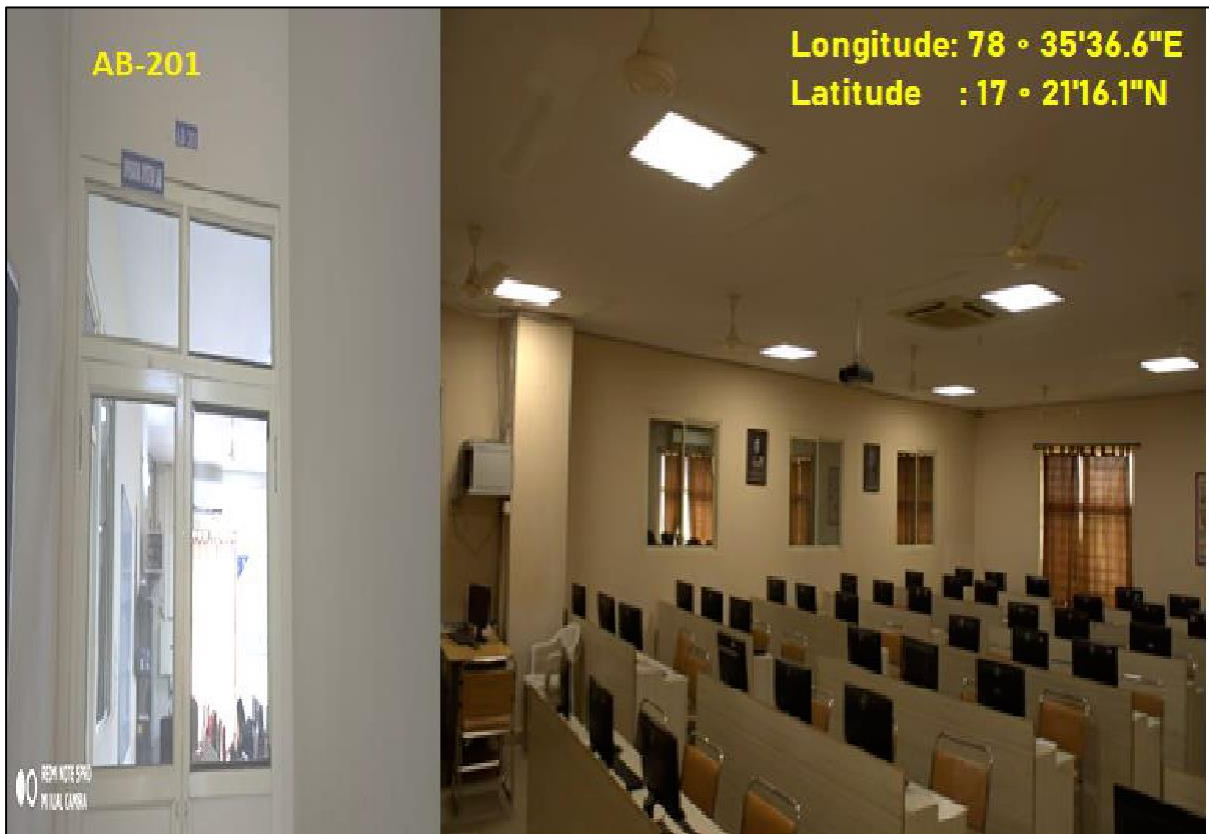
CSE LAB: AB-101



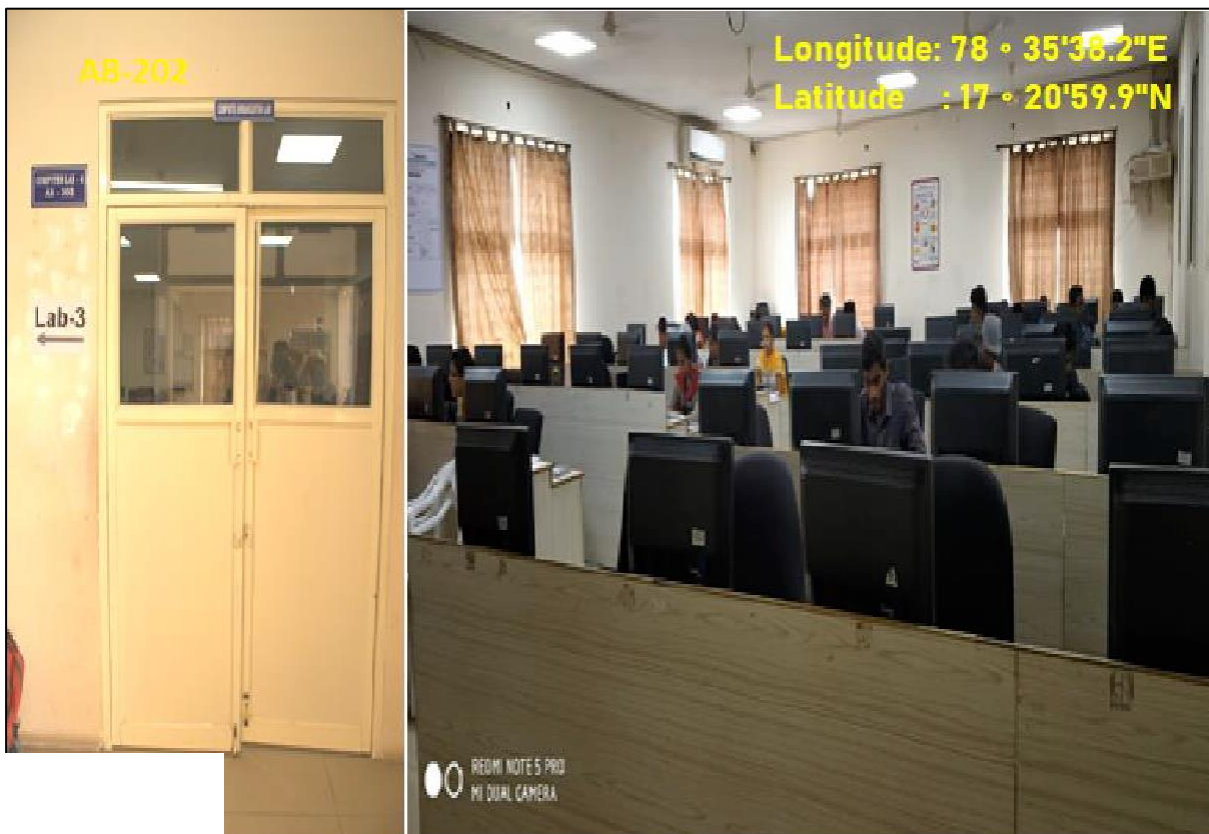
CSE LAB:AB-102



CSE LAB:AB-201



CSE LAB:AB-202



CSE LAB:AB-301A



CSE LAB:AB-301B



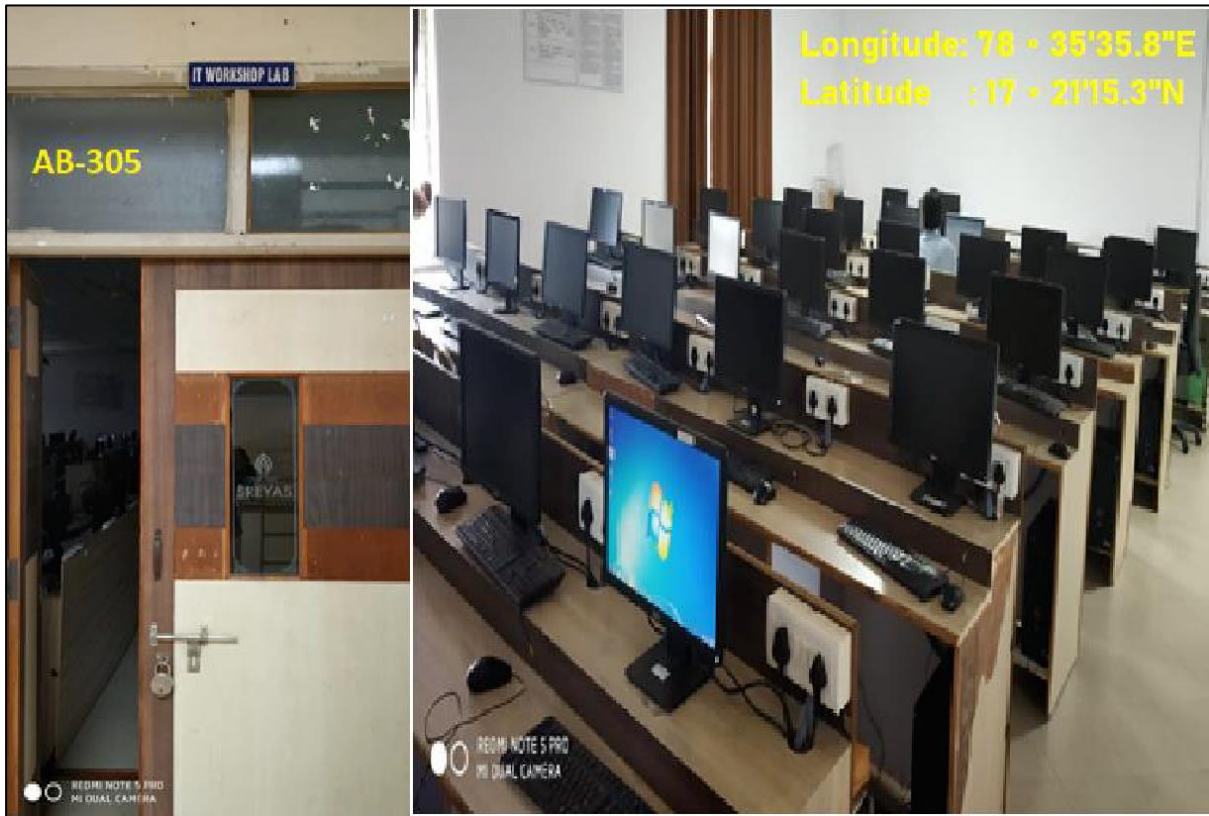
CSE LAB:AB-302A



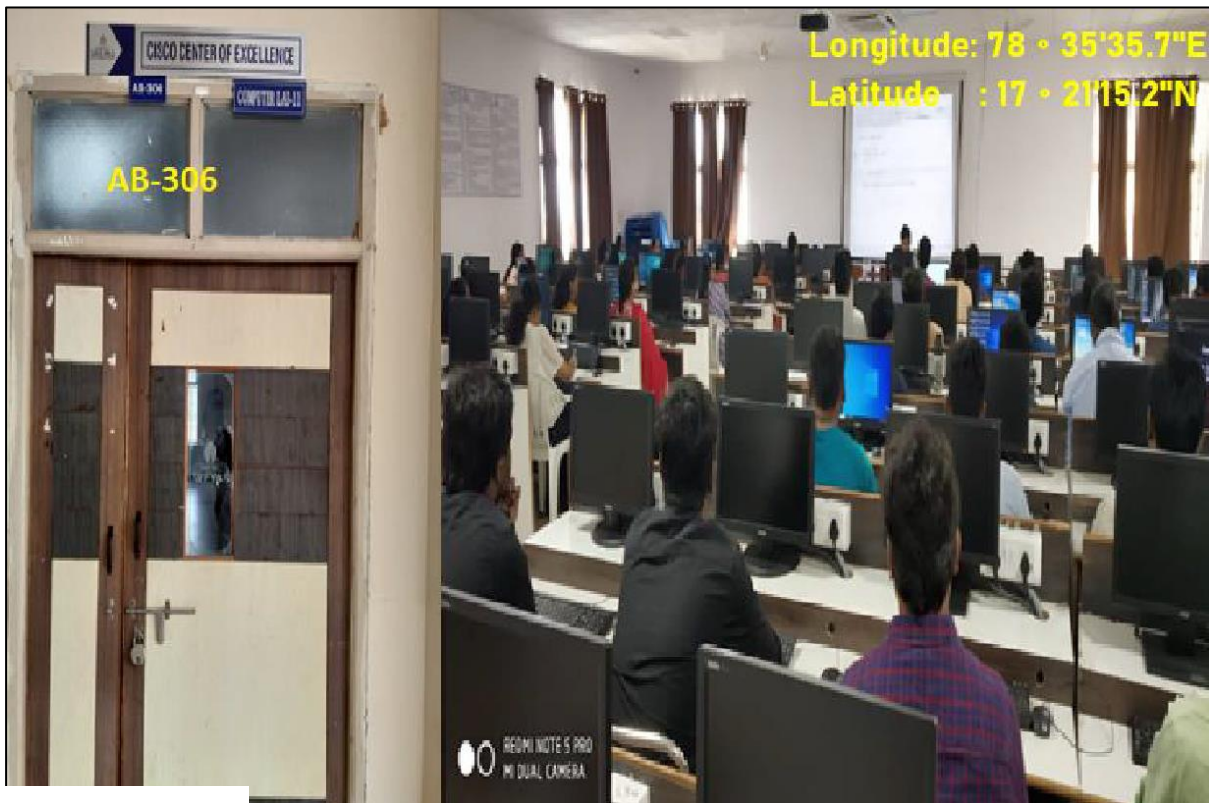
CSE LAB : AB-302B



CSE LAB : AB-305



CSE LAB : AB-306






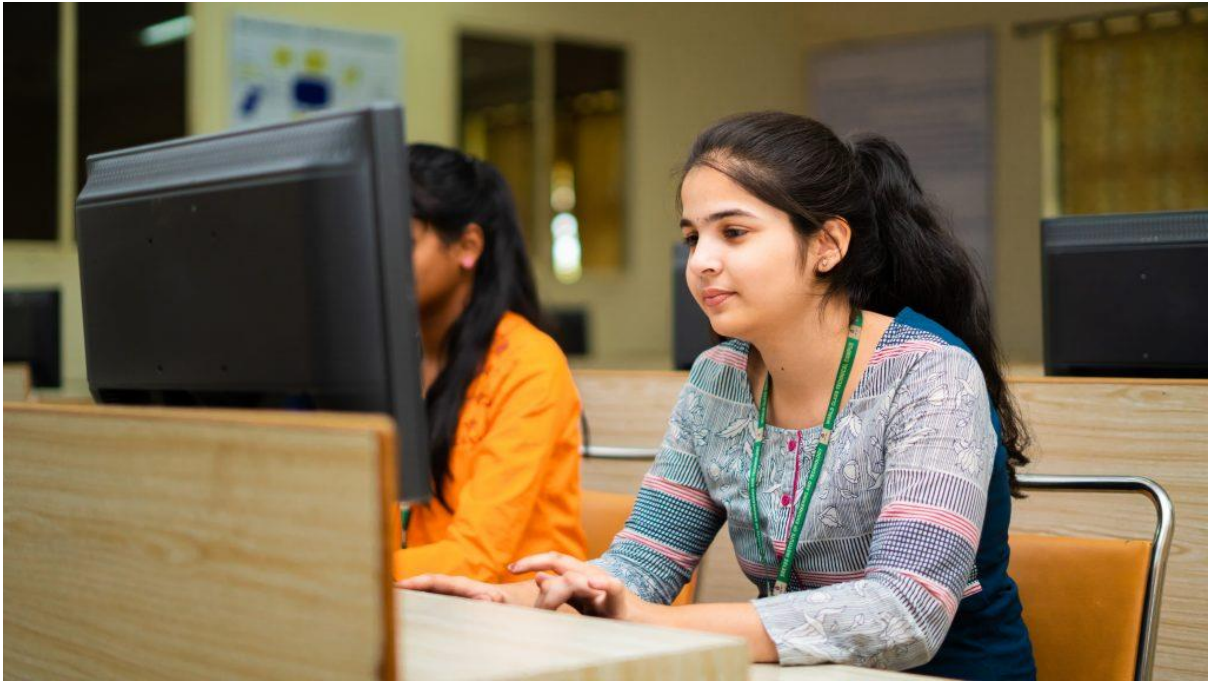
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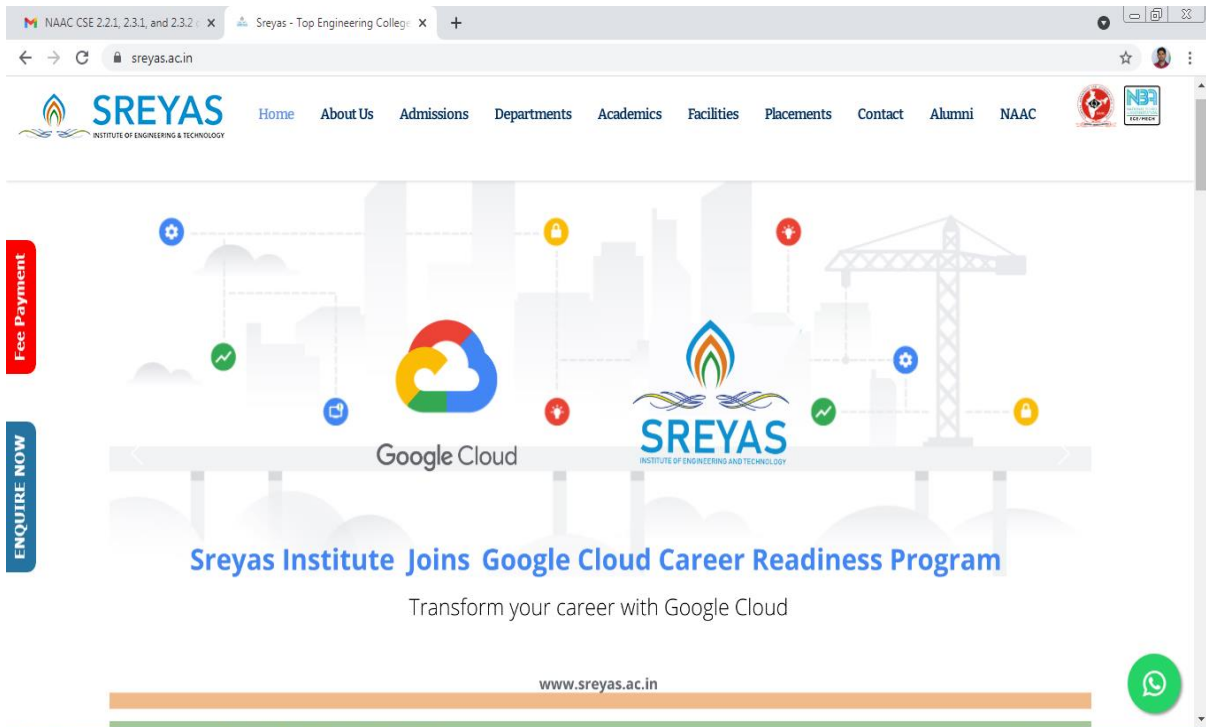


Using ICT facility in Laboratory

3.3 ICT Enabled Auditorium



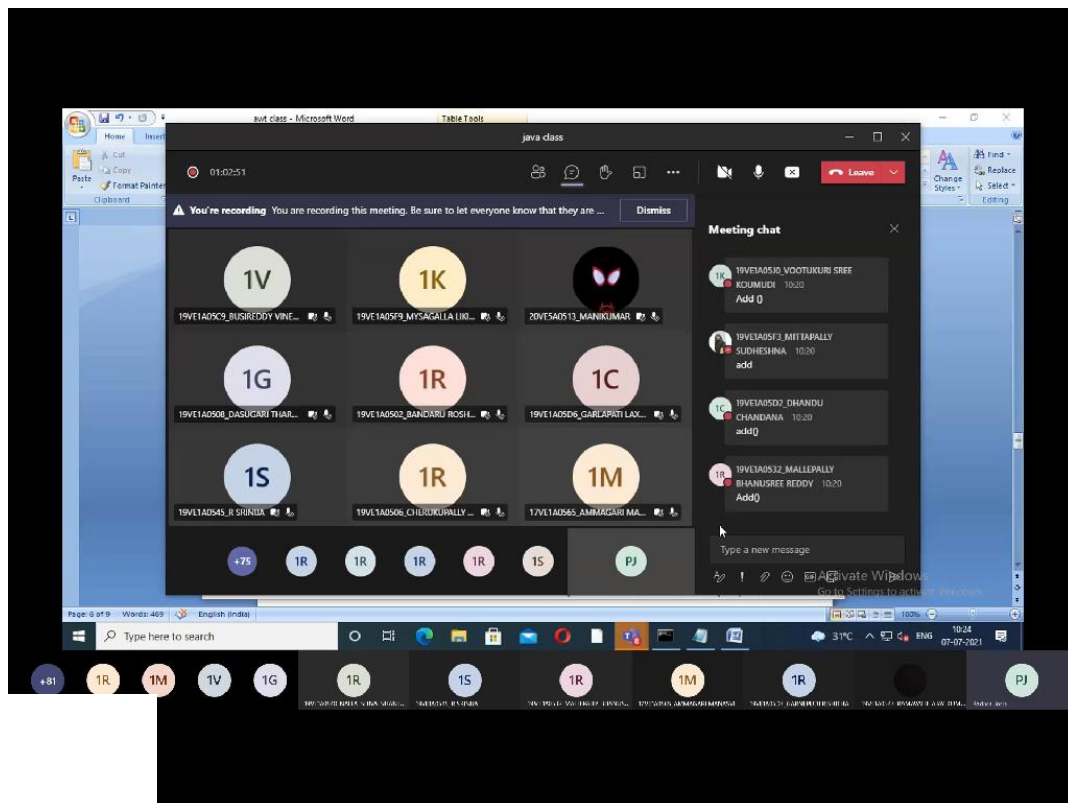
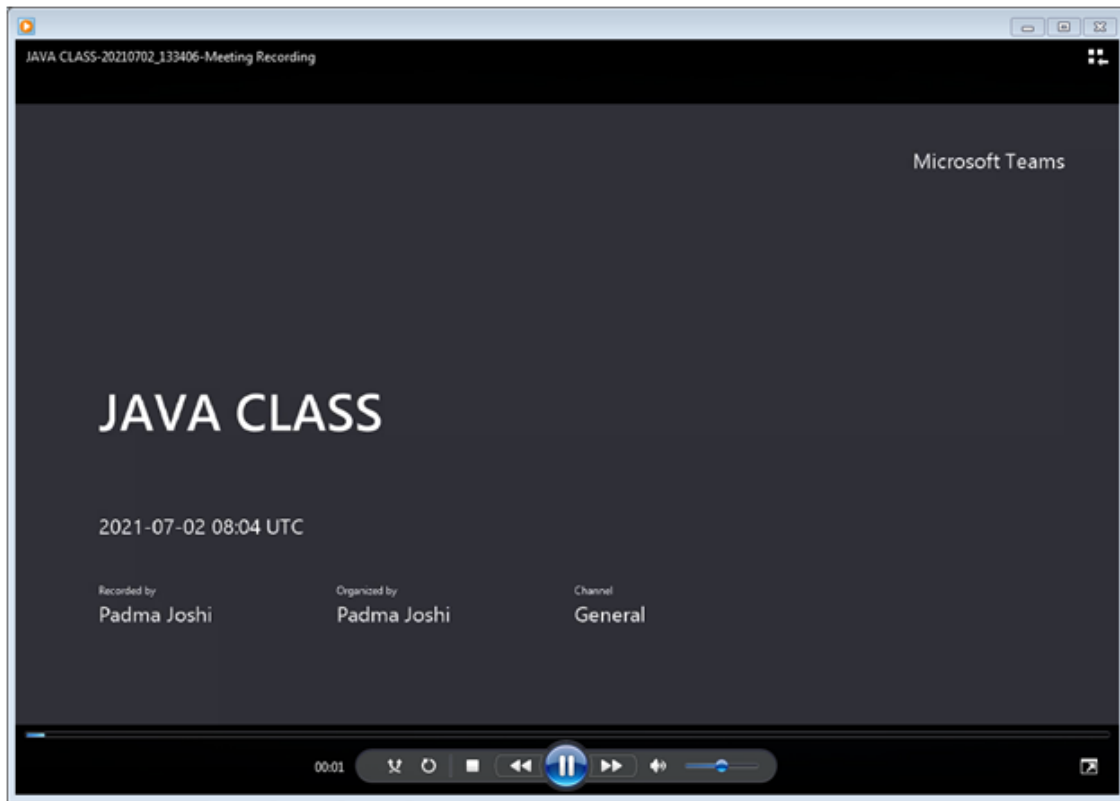
Using ICT facility in Auditorium

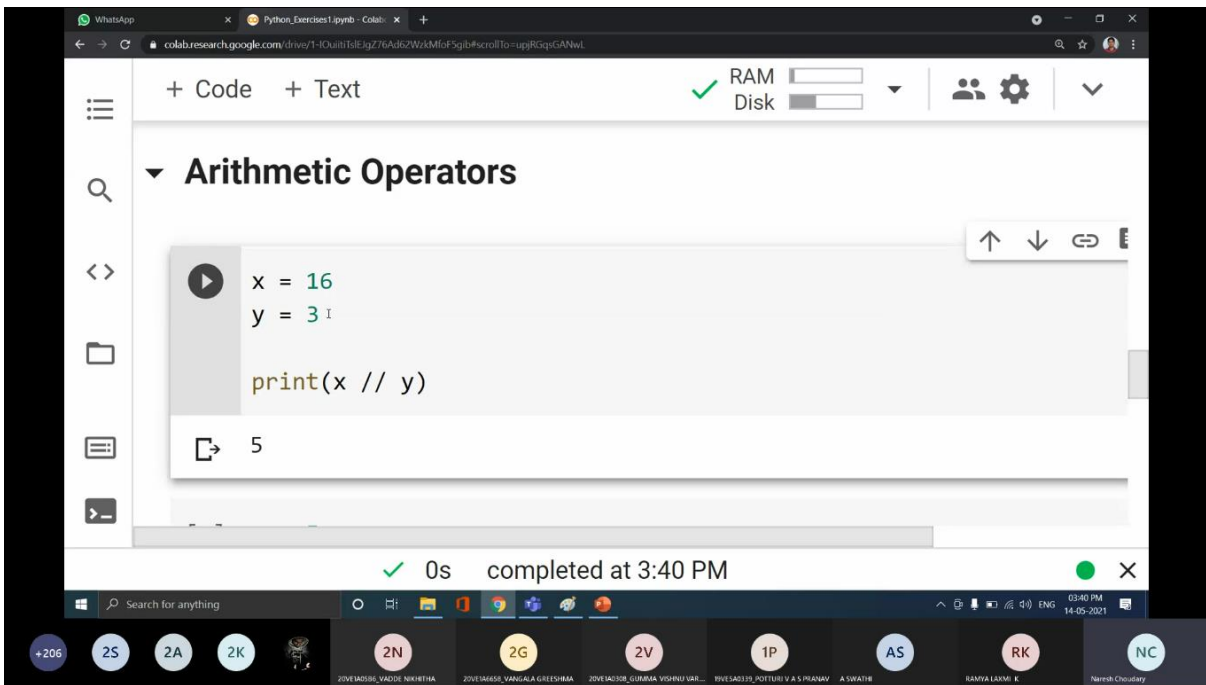
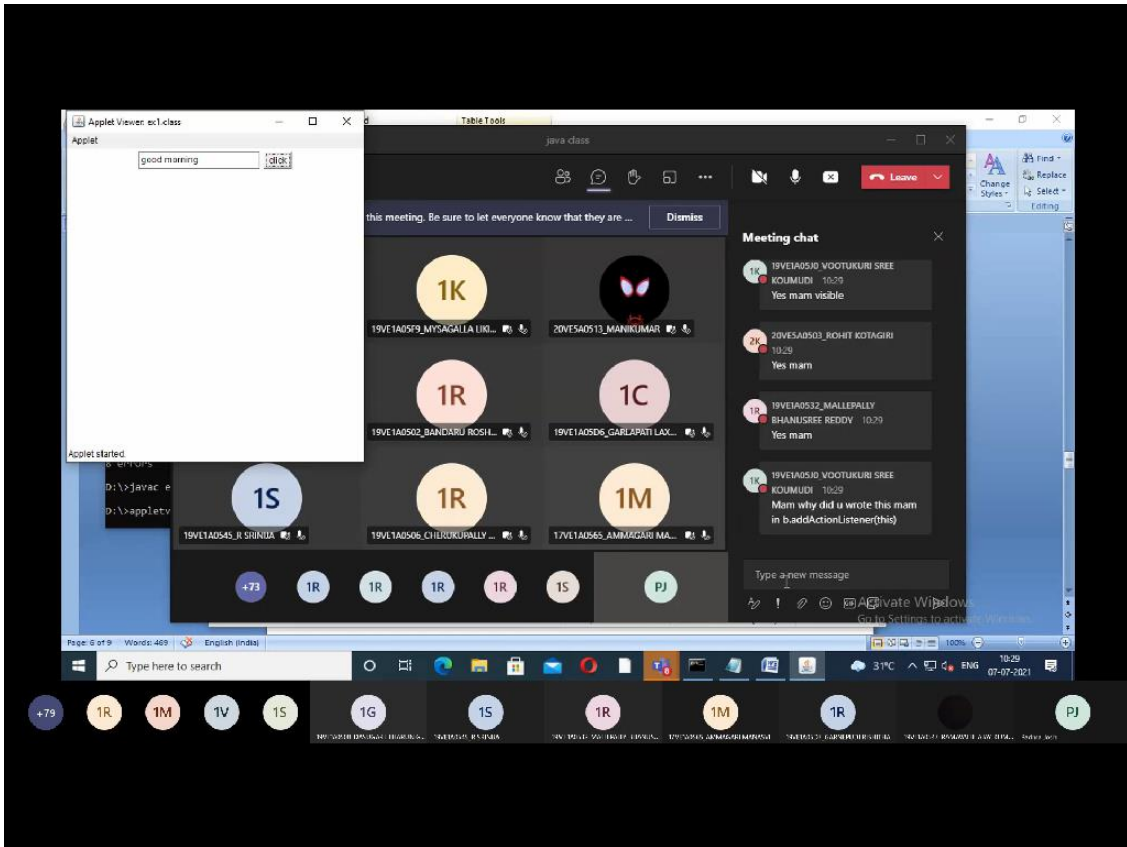


3.4 Other ICT Facilities

3.4.1 Microsoft Teams for taking Virtual Class:

<https://drive.google.com/file/d/1xy788VdK2xh-4yU9KyeomQyLHq10VnMV/view?usp=sharing>





Lists

- ▶ List is a data type of Python used to store multiple values of different types of data at a time.
- ▶ A list can be created by putting comma separated values between square brackets `[]`.
- ▶ The following code shows creation of two lists namely `list1` and `list2` :

```
list1 = [1, 2, "one", "hi"]  
list2 = [4, 5, "hello"]
```

Python Programming for ML 24/04/2021

2



archana-compiler design

Microsoft Teams

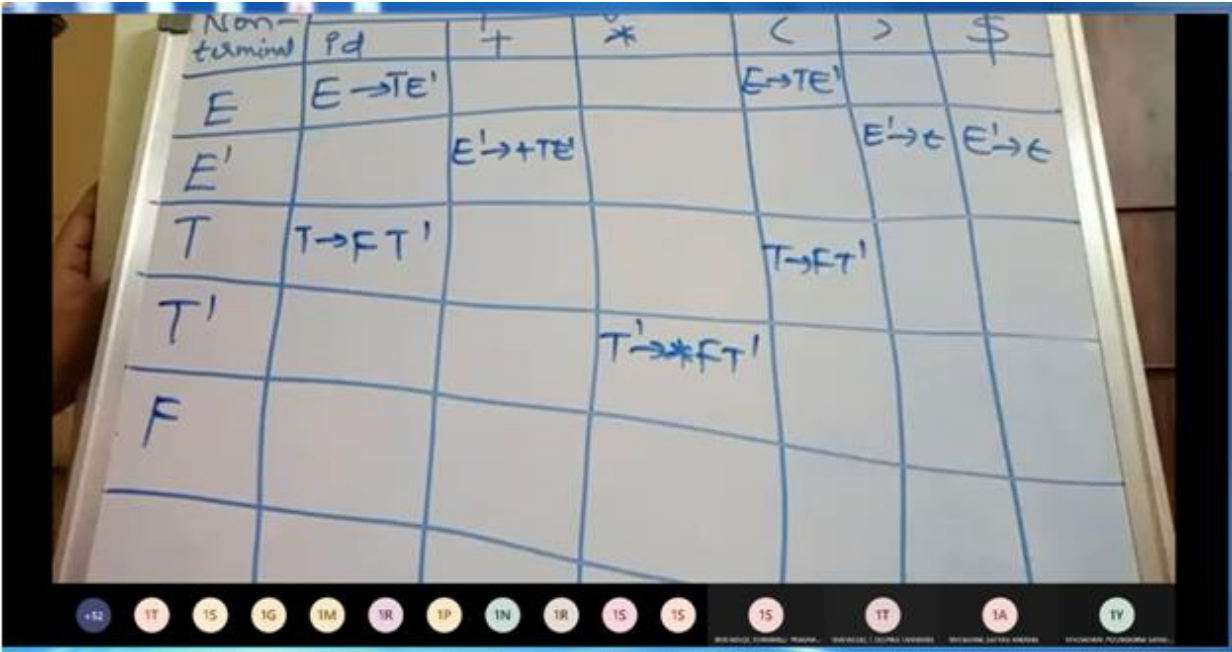
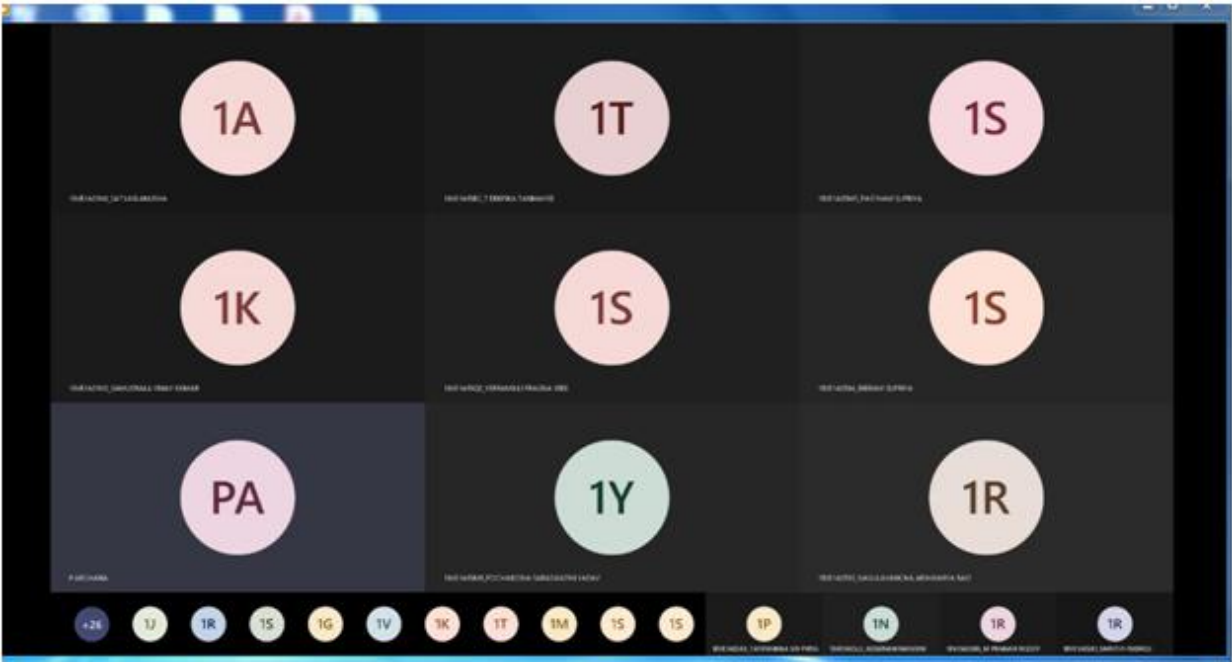
parsing table-5th hour-30-04-21

2021-04-30 09:19 UTC

Recorded by
18VE1A05M8_POCHAB
OINA SARASWATHI

Organized by
P ARCHANA

Channel
General



Operating Systems-Page Replacement Algorithms

2021-07-10 05:17 UTC

Recorded by
maha laxmi

Organized by
maha laxmi

Channel
General

Operating Systems-Page Replacement Algorithms

51:59

You're recording You are recording this meeting. Be sure to let everyone know that they are being recorded. Privacy policy

Meeting chat

11:11 AM Yes

11:11 AM 19VEIA05N6_RAMAGIRI DINESH Not there

11:12 AM 19VEIA05P2_SOMANI BHAWANI Replacement

11:12 AM 19VEIA05N2_MOGILIGIDDA KEERTANA RAO Page replacement

11:12 AM 19VEIA05N6_RAMAGIRI DINESH Page replacement

Type a new message

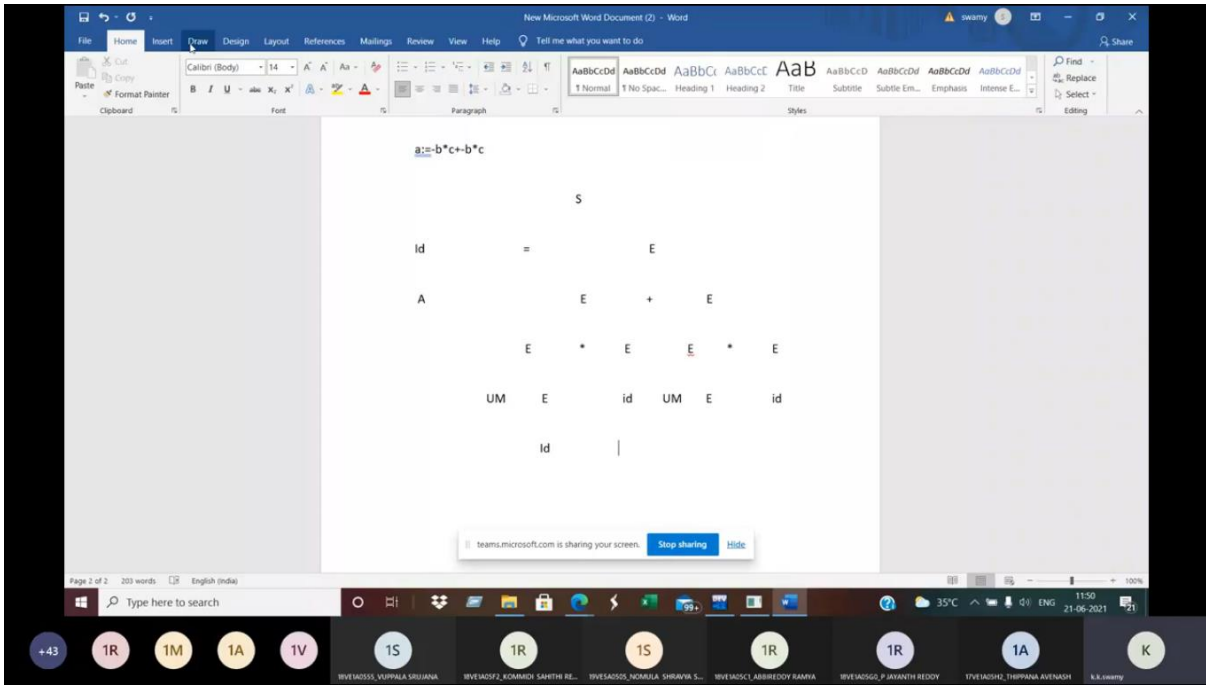
what is the total number of page faults that will occur while processing the page reference string givn below
4, 7, 6, 1, 7, 6, 1, 2, 7, 2 total number of references=10
No of frames are 3(all are empty). calculate the hit and miss ration.

4	7	6	1
4	4	4	
	7	7	
		6	

273,309px 821 = 587px 100%

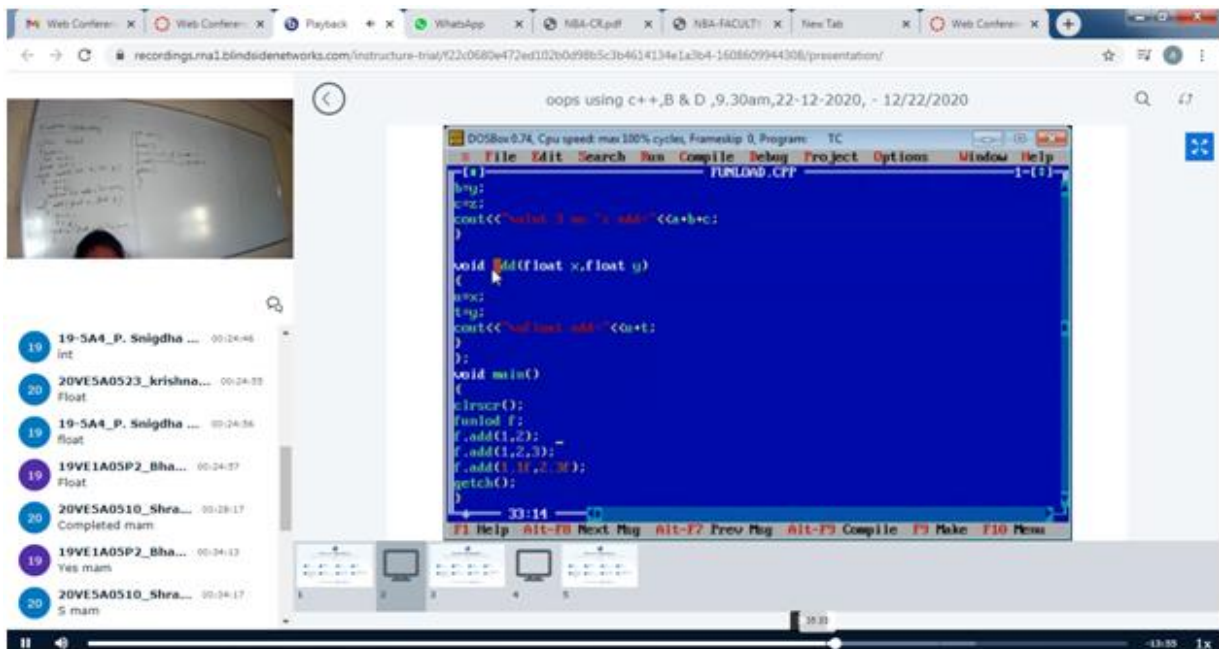
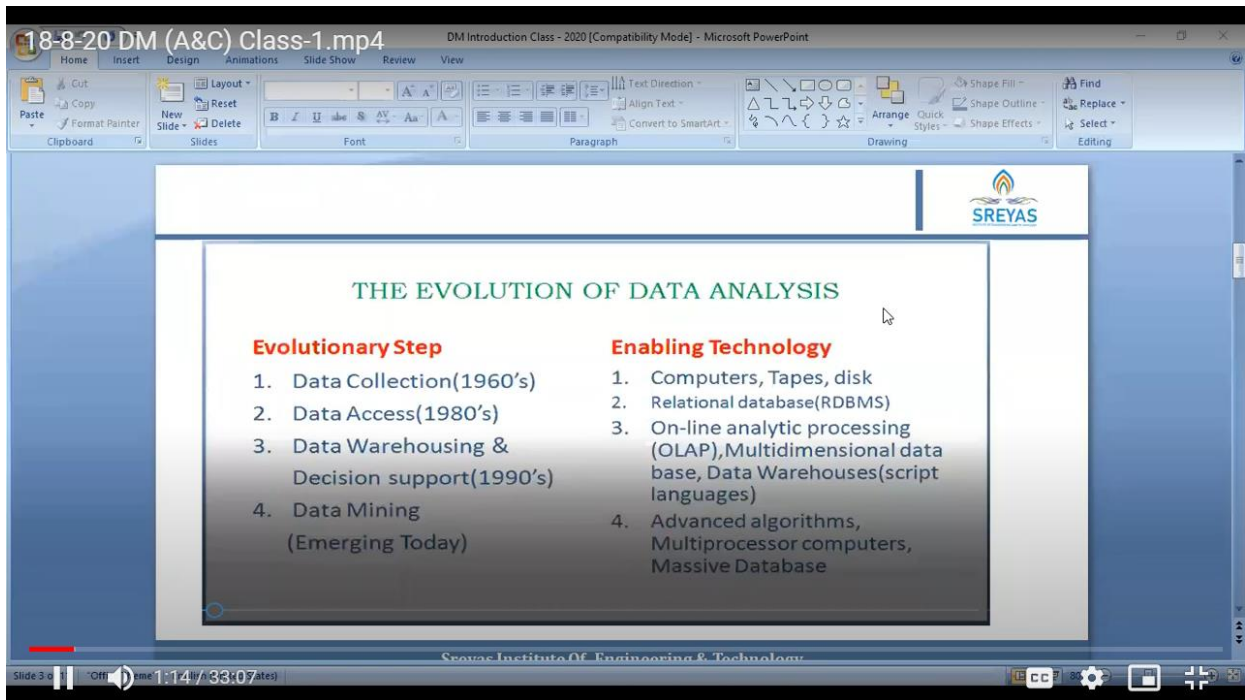
Type here to search

78 2R 1R 1P 1A 1C 1S 1H 1J 1C 1R ML



3.4.2 Canvas for taking Virtual Class:

https://drive.google.com/file/d/1aOJZCuv8b99ZC31_weglykBJeFvfSXE1/view?usp=sharing



canvas.instructure.com/courses/2163523

Apps WhatsApp IV CSE ATTENDANCE How to protect wor... MATLAB Drive JNTUH JNTUH Study Mater...

Account Dashboard Courses Calendar Inbox History Commons Help

Previous Year Question Papers

- DM Previous Year Question Paper 2017
- DM Previous Year Question Paper 2018

Online Lecture Videos

- Data Mining Class (B&D) -17/08/2020
- Data Mining Class (B&D) -21/08/2020
- Data Mining Class(B&D)-24/08/2020
- Data Mining Class(B&D)-25/08/2020

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Apps WhatsApp IV CSE ATTENDANCE How to protect wor... MATLAB Drive JNTUH JNTUH Study Mater... Reading list

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Dashboard

Published Courses (2)

- Data Mining (IV-I) 2020-2021 DM_AY 20-21
- Python Programming(PP) CS721PE,20-21

Unpublished Courses (2)

- Publish DATA MINING
- Publish

To Do

- 55 Grade DM LAB Assignment -1 (A Section) DM_AY 20-21 5 points • Sep 16, 2020 at 11:59pm
- 51 Grade DM LAB Assignment -1 (C Section) DM_AY 20-21 5 points • Sep 16, 2020 at 11:59pm

Coming Up View Calendar

Nothing for the next week

Start a New Course

View Grades

canvas.instructure.com/courses/2163523

Announcements

- DATA MINING UNIT-1 QUIZ**
All B & D Section students are requested...
Posted on: Sep 20, 2020 at 2:28pm
- DATA MINING UNIT -1 QUIZ**
Welcome to Data Mining Unit-1 Quiz. All...
Posted on: Sep 12, 2020 at 11:39pm
- LAB Assignment -1 (C Section)**
Follow all the instructions of the assignm...
Posted on: Sep 11, 2020 at 1:12pm

Collapsible All View Progress + Module

- Vision & Mission statements of Institute / Department/PEOs
- Vision & Mission statements of Institute
- Vision & Mission statements of Department

To Do

- 55 Grade DM LAB Assignment -1 (A Section)
5 points • Sep 16, 2020 at 11:59pm
- 51 Grade DM LAB Assignment -1 (C Section)
5 points • Sep 16, 2020 at 11:59pm

Coming Up View Calendar
Nothing for the next week

Day-04-DS-CANVAS.mp4

Prerequisite Course on Programming for Problem solving

Structure ✓

1. SYNTAX
2. Create Variable
3. memory allocation
4. accessing mem
5. Example
6. Array =

Collection of diff data type ele

struct sm

Mute (m)

6:41 / 1:17:52

3.4.3 Zoom for taking Virtual Class:

<https://drive.google.com/file/d/1a0kqhPSxBgLRbVog8FguNpQiuRWds1FF/view?usp=sharing>

zoom SOLUTIONS PLANS & PRICING SCHEDULE A MEETING JOIN A MEETING HOST A MEETING

PERSONAL Profile Meetings Webinars **Recordings** Settings

ADMIN > User Management > Device Management > Room Management > Account Management > Advanced

Cloud Recordings **Local Recordings** Settings

The Local recordings listed below are accessible only from the computer on which they were recorded.

From mm/dd/yyyy To 09/23/2021 Search Export

Delete Selected Delete All

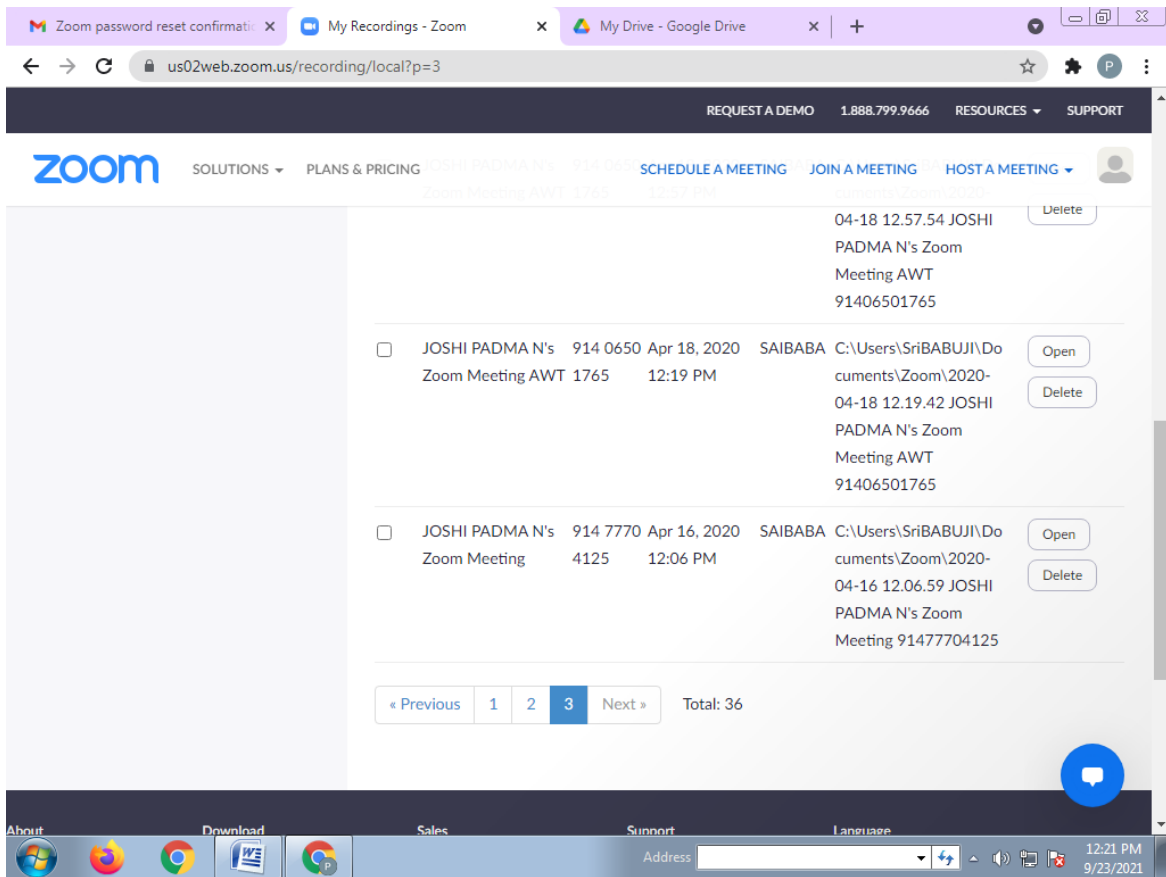
<input type="checkbox"/>	Topic	ID	Start Time	Computer Name	Location	
<input type="checkbox"/>	JOSHI PADMA N's Personal Meeting Room	229 360 3111	Sep 6, 2020 01:08 PM	SAIBABA	C:\Users\SriBABUJI\Documents\Zoom\2020-09-06 13.08.52 JOSHI PADMA N's Personal Meeting Room 2293603111	Open Delete
<input type="checkbox"/>	JOSHI PADMA N's Personal Meeting Room	229 360 3111	Sep 6, 2020 12:26 PM	SAIBABA	C:\Users\SriBABUJI\Documents\Zoom\2020-09-06 12.26.35 JOSHI	Open Delete

Address 12:15 PM 9/23/2021

<input type="checkbox"/>	JOSHI PADMA N's Personal Meeting Room	3111	01:37 PM	SAIBABA	C:\Users\SriBABUJI\Documents\Zoom\2020-08-21 13.37.47 JOSHI PADMA N's Personal Meeting Room 2293603111	Open Delete
<input type="checkbox"/>	python tuples	896 3124 4366	Aug 21, 2020 01:16 PM	SAIBABA	C:\Users\SriBABUJI\Documents\Zoom\2020-08-21 13.16.02 python tuples 89631244366	Open Delete
<input type="checkbox"/>	python tuples	896 3124 4366	Aug 21, 2020 12:35 PM	SAIBABA	C:\Users\SriBABUJI\Documents\Zoom\2020-08-21 12.35.21 python tuples 89631244366	Open Delete

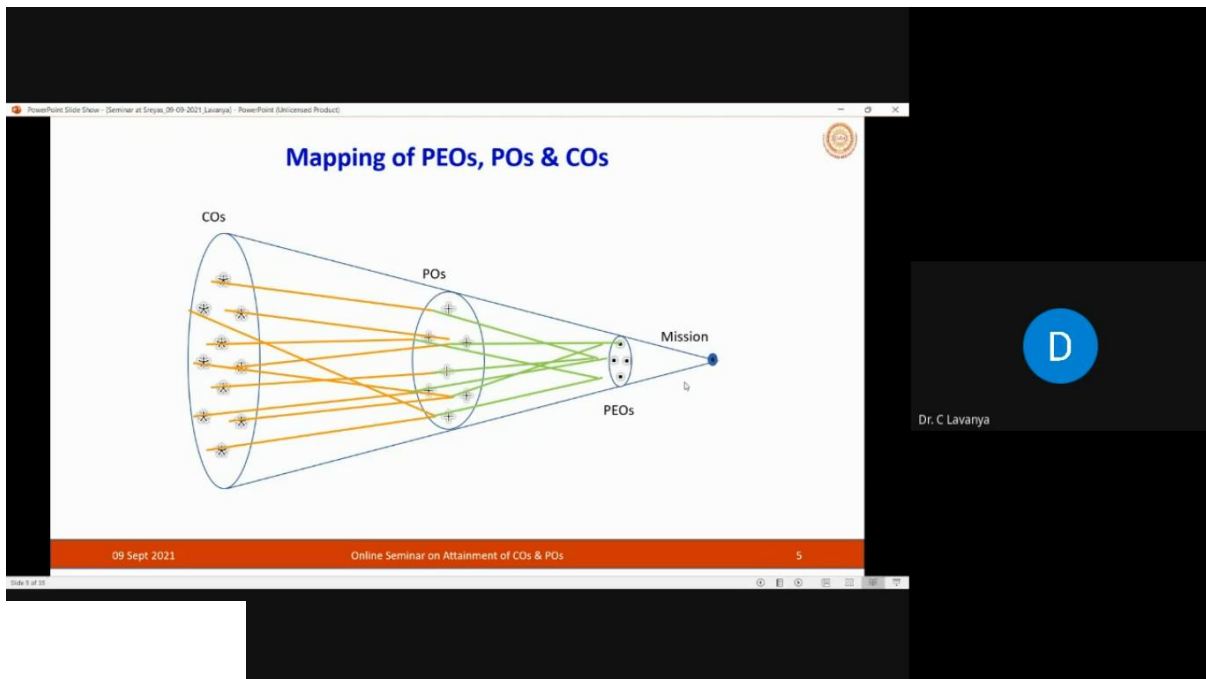
« Previous 1 2 3 Next » Total: 36

Address 12:16 PM 9/23/2021



3.4.4 Google Meet for taking Virtual Class:

<https://drive.google.com/file/d/1FtMNL6mYR7CuexUNXz-GnliZuggou9a5/view?usp=sharing>



tcd-eudg-wib (2021-09-09 at 03_02 GMT-7) (1)

Double-click to go to fullscreen, ctrl-click to snap to video size

Program Educational Objectives (PEOs)

- ✓ These are the expected achievements of graduates in their career.
- ✓ That are expected to perform and achieve during the first few years after graduation.
- ✓ A program is to prepare graduates to accomplish after 3 to 5 years of graduation.
- ✓ PEOs must be quantifiable, suitable, realistic and attainable.
- ✓ PEOs addresses needs of the stakeholders.

09 Sept 2021 Online Seminar on Attainment of COs & POs 6

01:05

12:07 AM 9/23/2021

tcd-eudg-wib (2021-09-09 at 03_02 GMT-7) (1)

Criterion 3	Course Outcomes and Program Outcomes	120
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3.3.2. Provide results of evaluation of each PO & PSO (40)

A. Verification of documents, results and level of attainment of each PO/PSO (24)

B. Overall levels of attainment (16)

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101												
C102												
...												
C409												
Direct Attainment												
Indirect Attainment												

09 Sept 2021 Online Seminar on Attainment of COs & POs 34

46:26

12:09 AM 9/23/2021

3.4.5 CISCO WebEx for taking Virtual Class:

