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)	• 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 ofuseful information
Blended Teaching	• 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	• 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	• 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
4	AB	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

3.1ICT enabled Class Rooms

Department of Computer Science and Engineering

III CSE A Class Room

III CSE B Class Room

III CSE C Class Room

M.TECH CSE Class Room

II CSE A Class Room

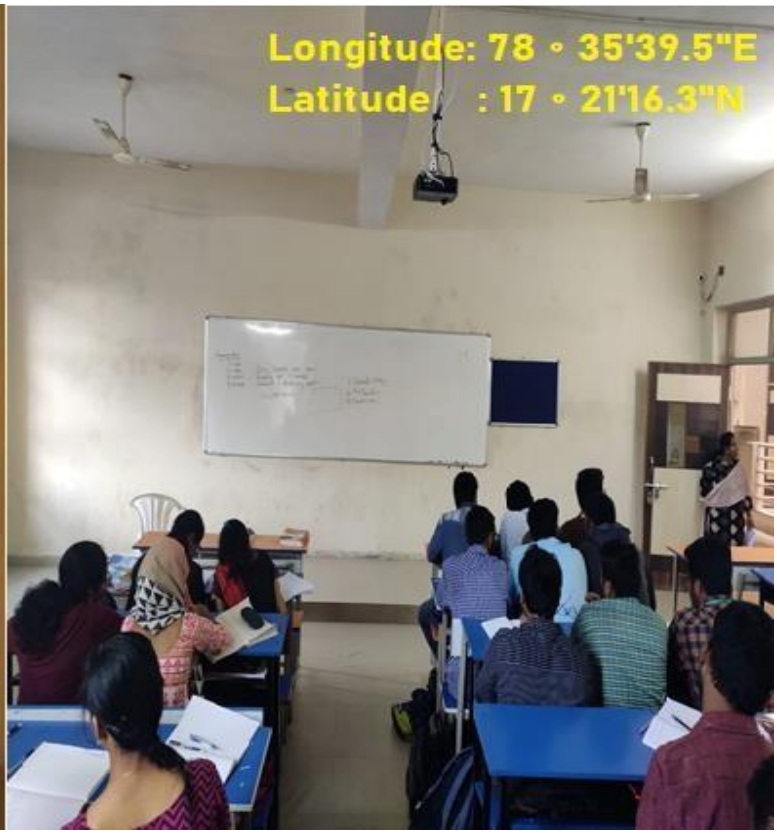
II CSE B Class Room

II CSE C Class Room

II CSE D Class Room

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

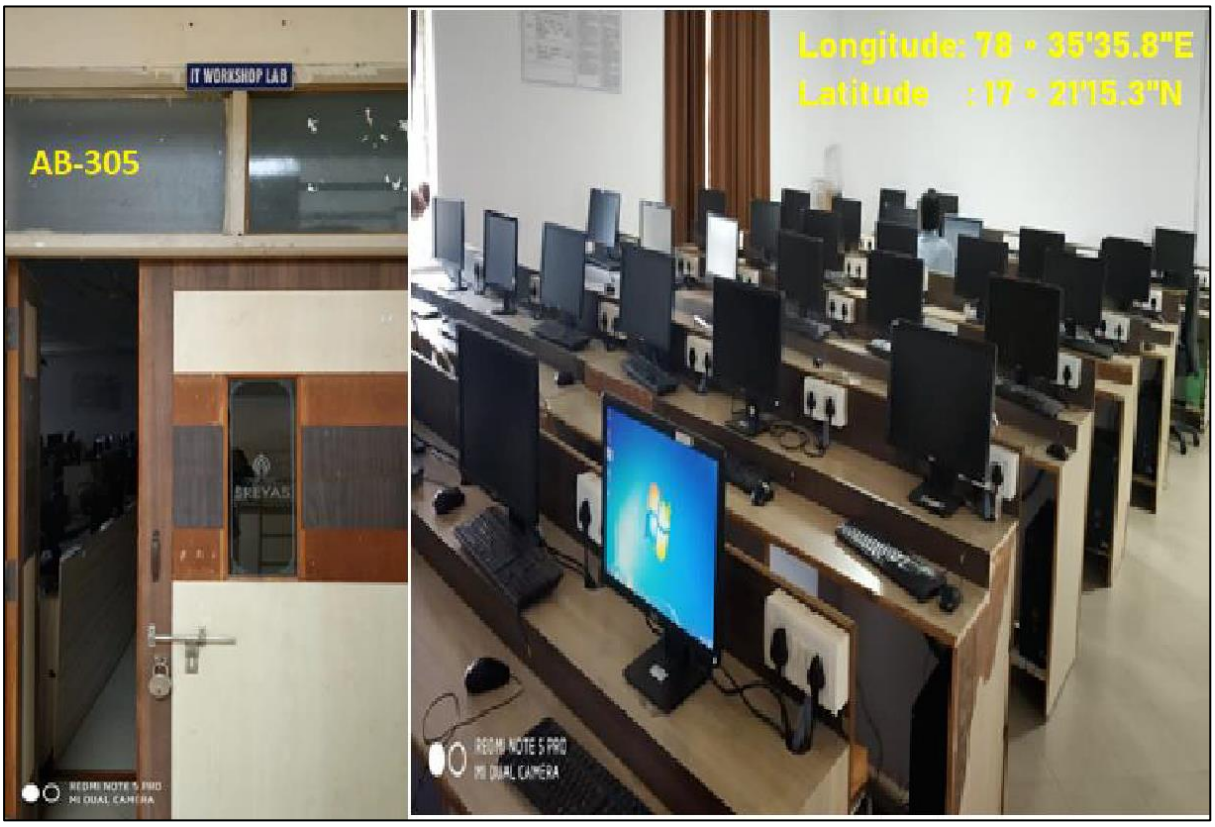
CSE LAB:AB-301A

CSE LAB:AB-301B

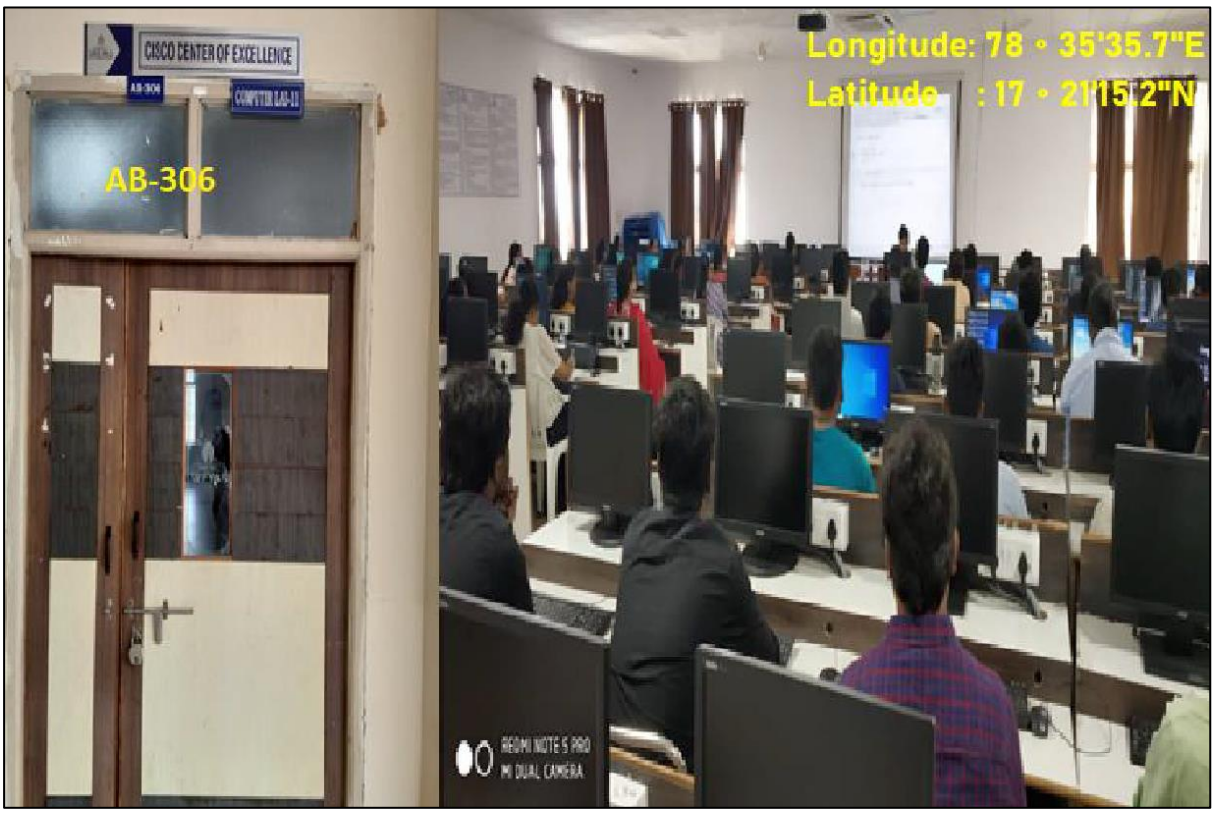
CSE LAB:AB-302A

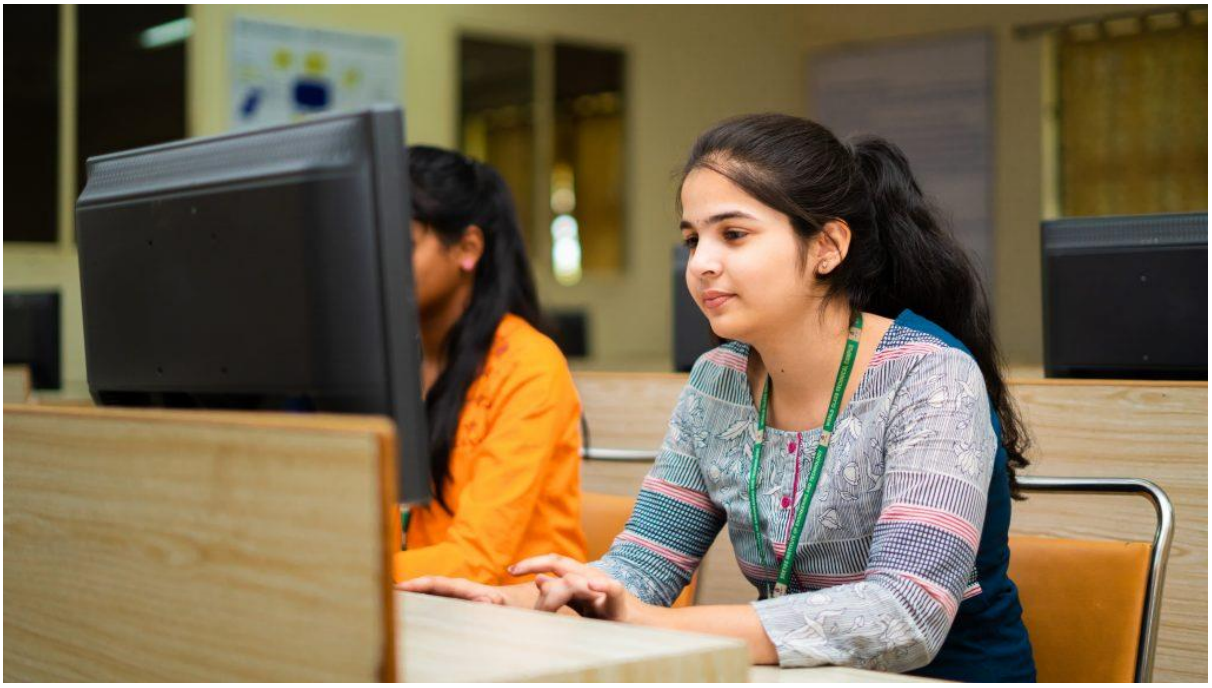
CSE LAB : AB-302B

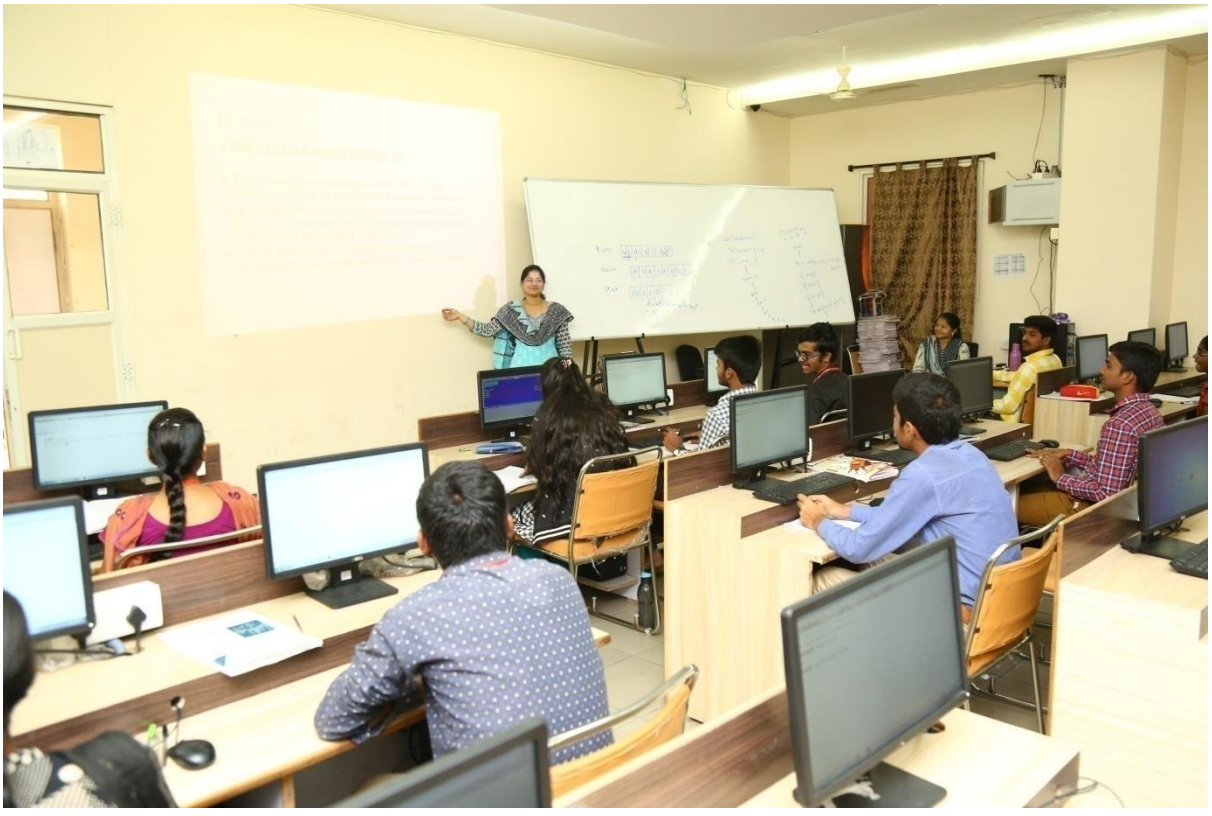
CSE LAB : AB-305



CSE LAB : AB-306



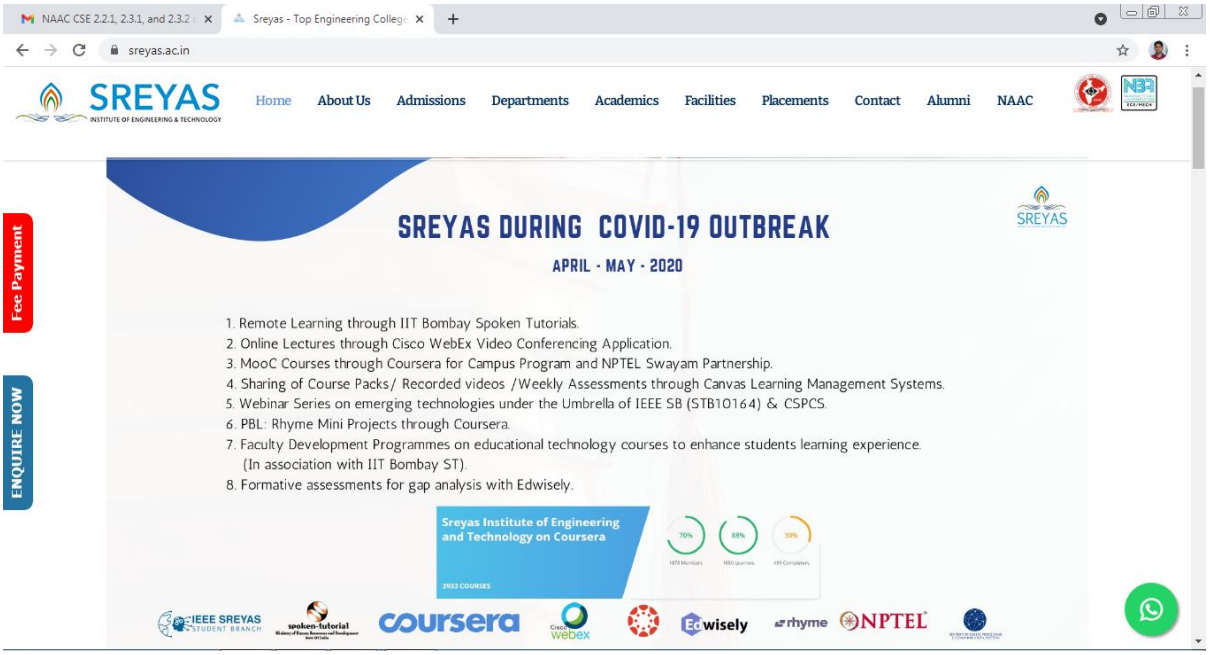




Using ICT facility in Laboratory

3.3 ICT Enabled Auditorium

Using ICT facility in Auditorium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Placements
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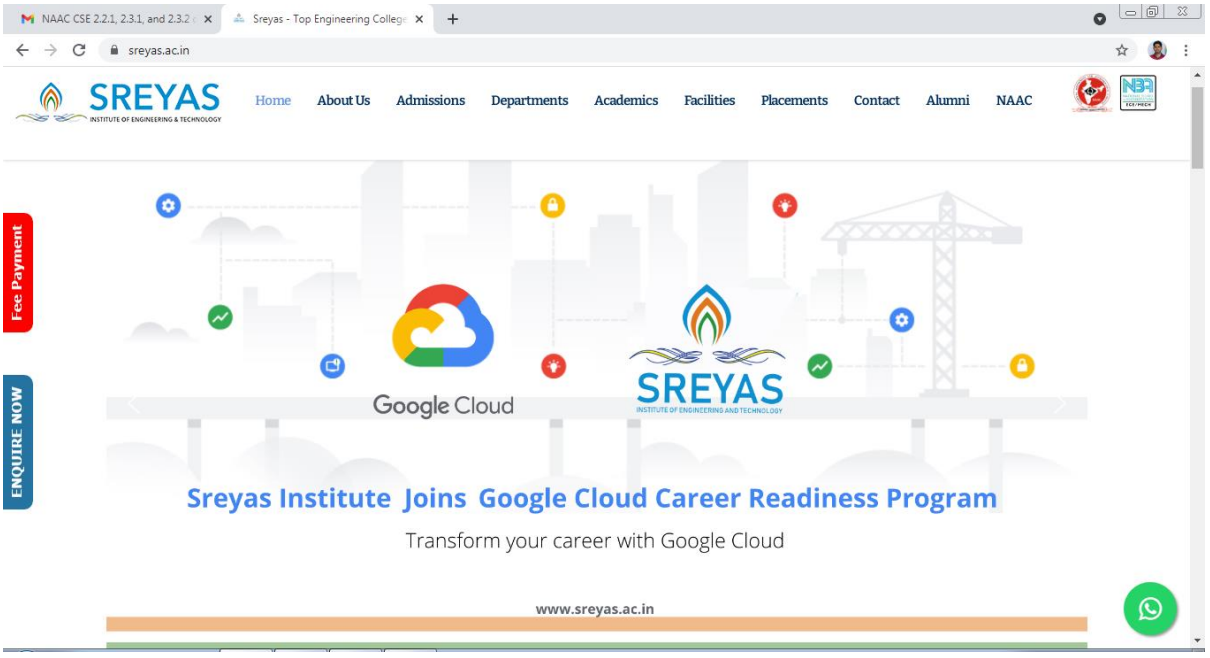
Alumni
NAAC
Fee Payment
ENQUIRE NOW
SREYAS DURING COVID-19 OUTBREAK
APRIL - MAY - 2020
1. Remote Learning through IIT Bombay Spoken Tutorials.
2. Online Lectures through Cisco WebEx Video Conferencing Application.
3. MooC Courses through Coursera for Campus Program and NPTEL Swayam Partnership.
4. Sharing of Course Packs/ Recorded videos /Weekly Assessments through Canvas Learning Management Systems.
5. Webinar Series on emerging technologies under the Umbrella of IEEE SB (STB10164) & CSPCS.
6. PBL: Rhyme Mini Projects through Coursera.
7. Faculty Development Programmes on educational technology courses to enhance students learning experience.
(In association with IIT Bombay ST).
8. Formative assessments for gap analysis with Edwisely.
Sreyas Institute of Engineering and Technology on Coursera
coursera
NPTEL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SREYAS
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About Us
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Facilities
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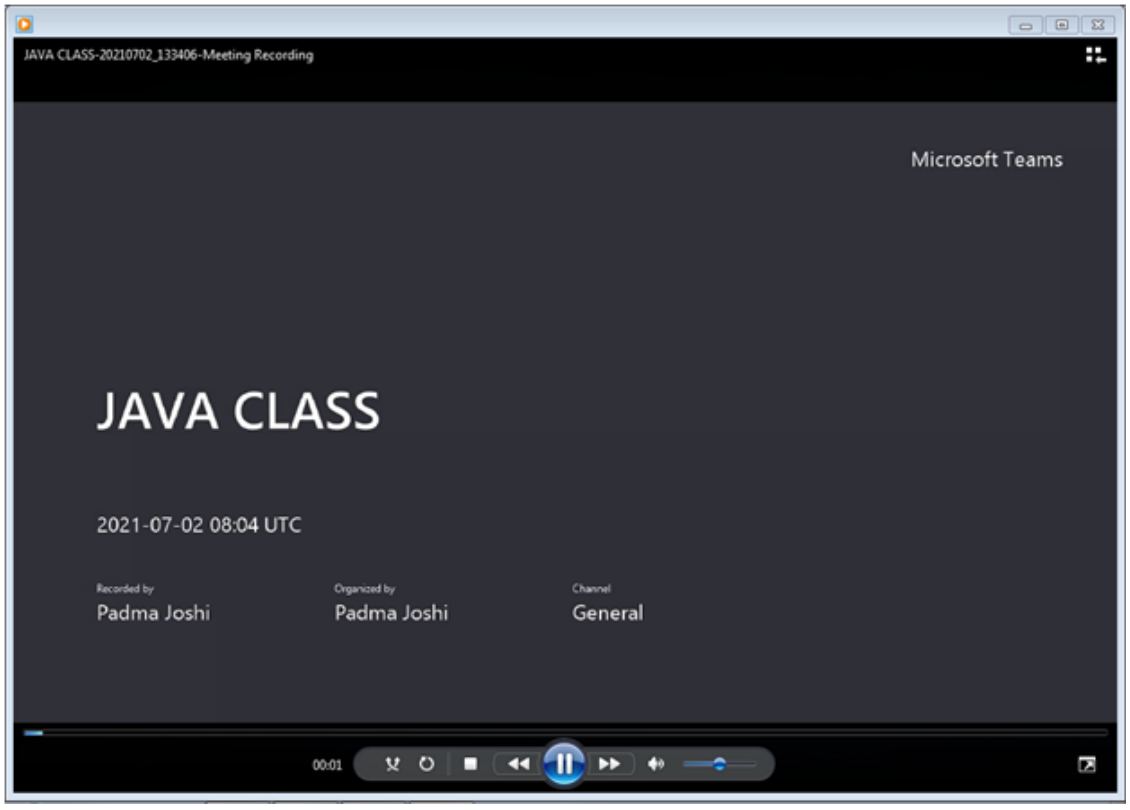
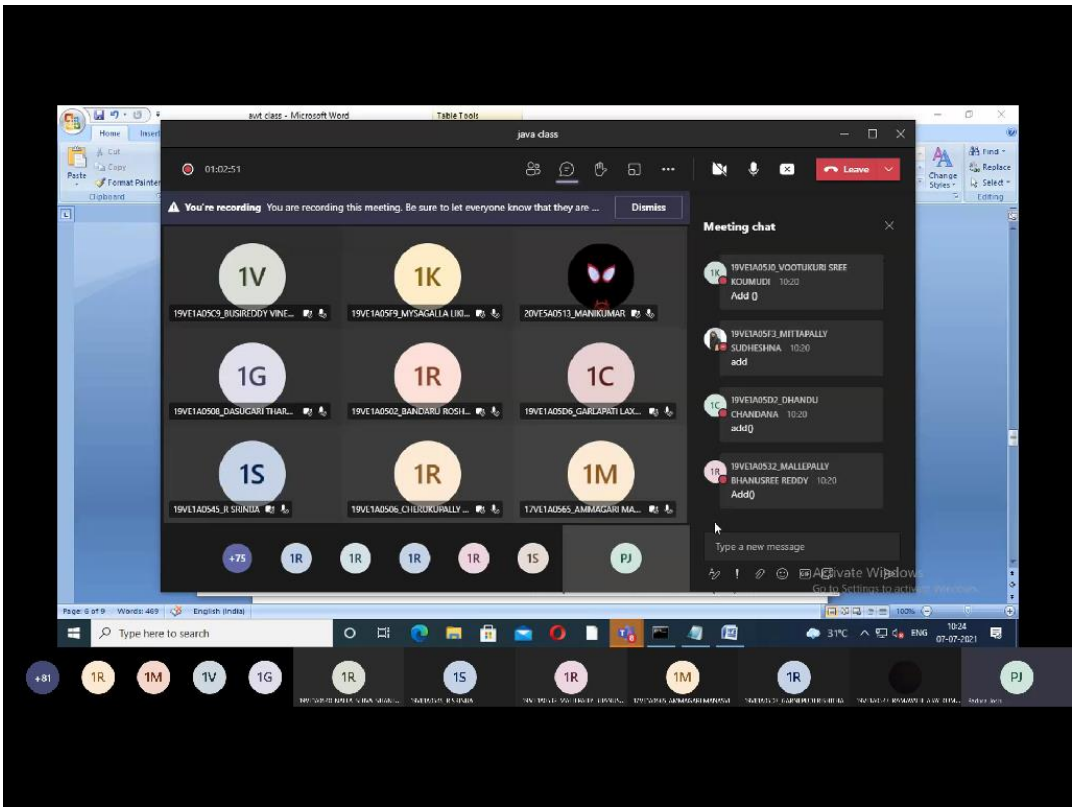
Contact
Alumni
NAAC
Fee Payment
ENQUIRE NOW
Google Cloud
SREYAS
Sreyas Institute Joins Google Cloud Career Readiness Program
Transform your career with Google Cloud
www.sreyas.ac.in

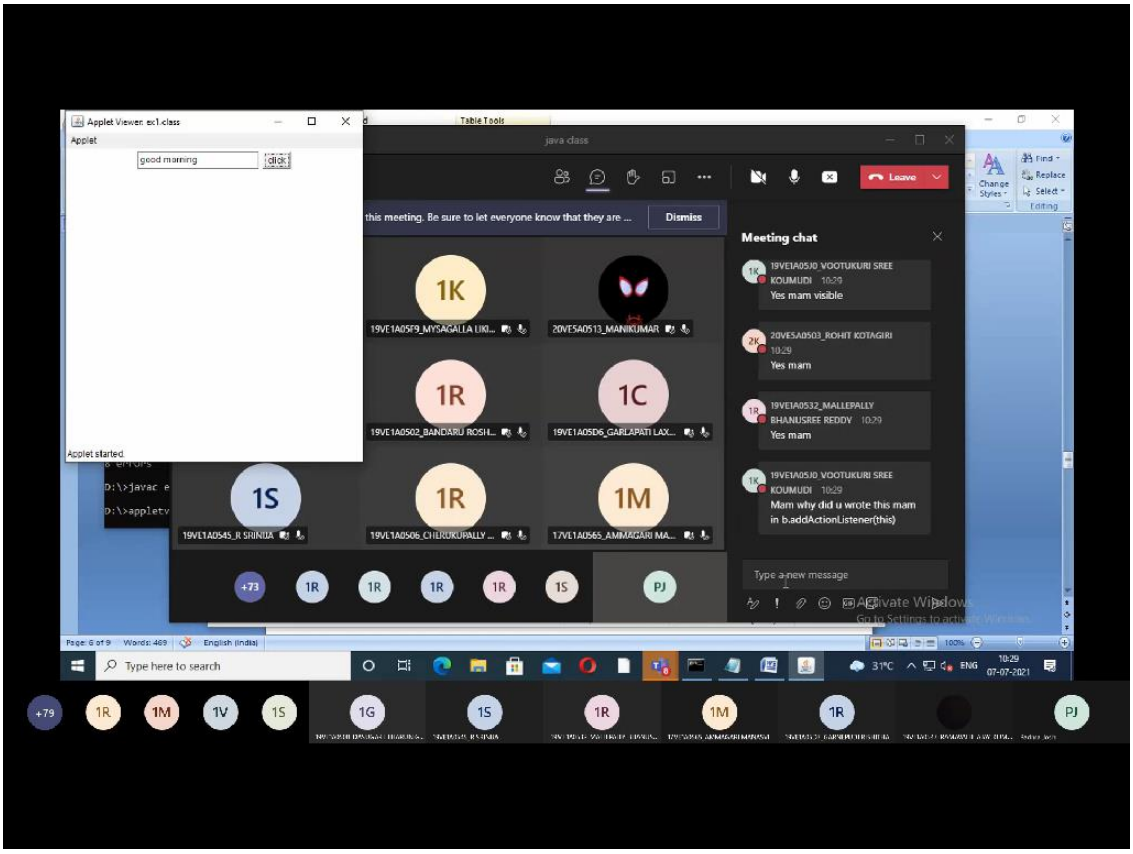
3.4 Other ICT Facilities

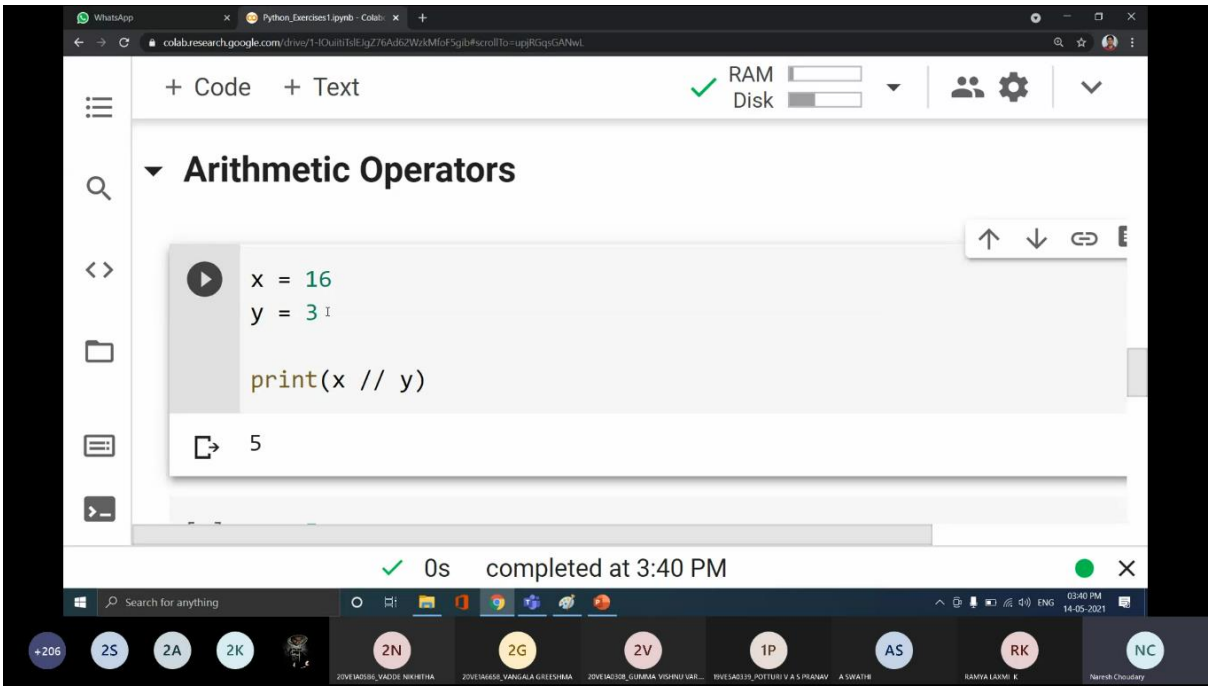
3.4.1 Microsoft Teams for taking Virtual Class:

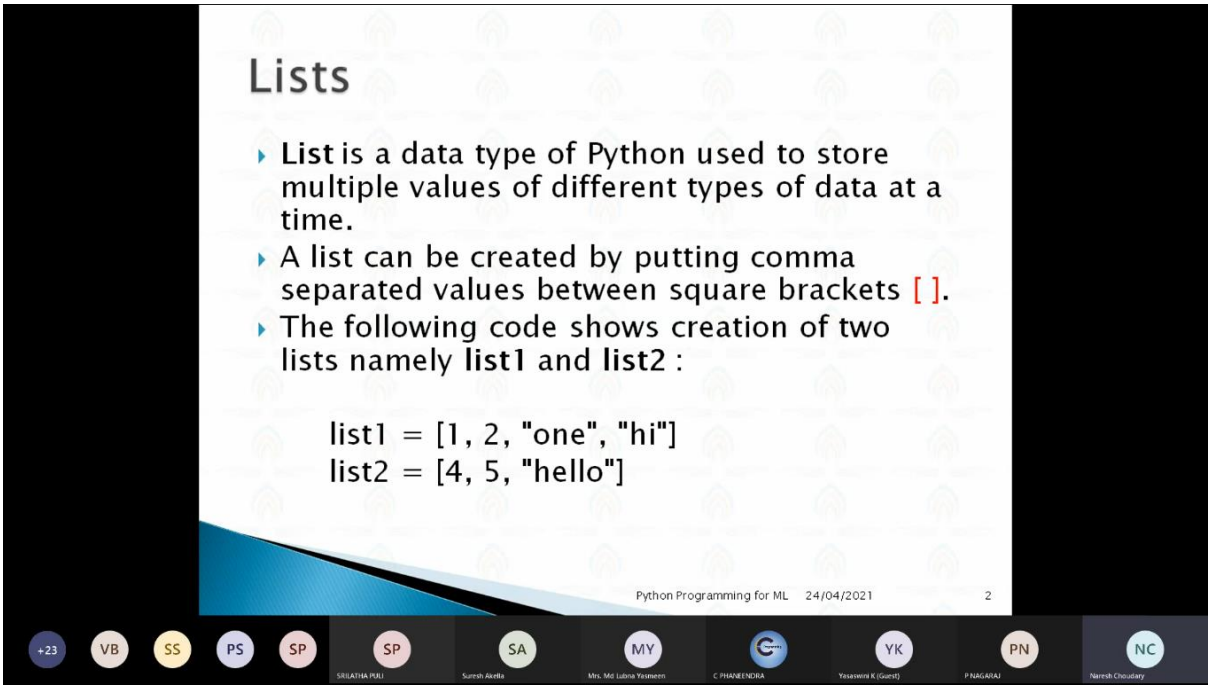
https://drive.google.com/file/d/1xy788VdK2xh-4yU9KyeomQyLHql0VnMV/view?usp=sharing

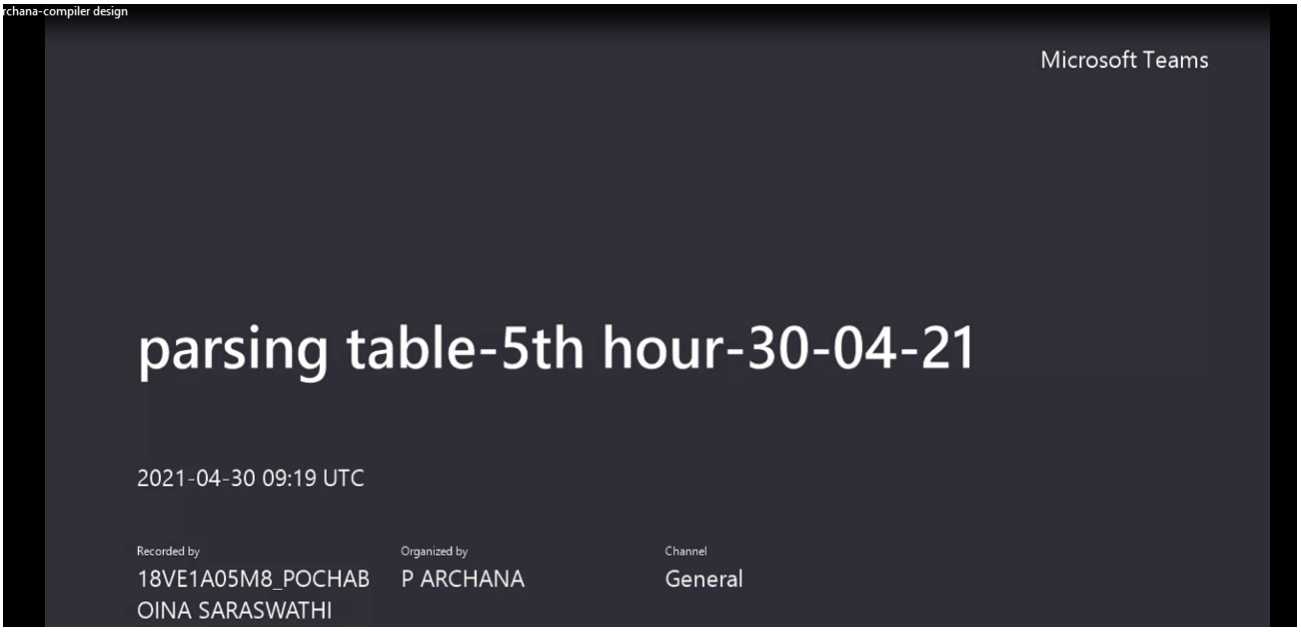


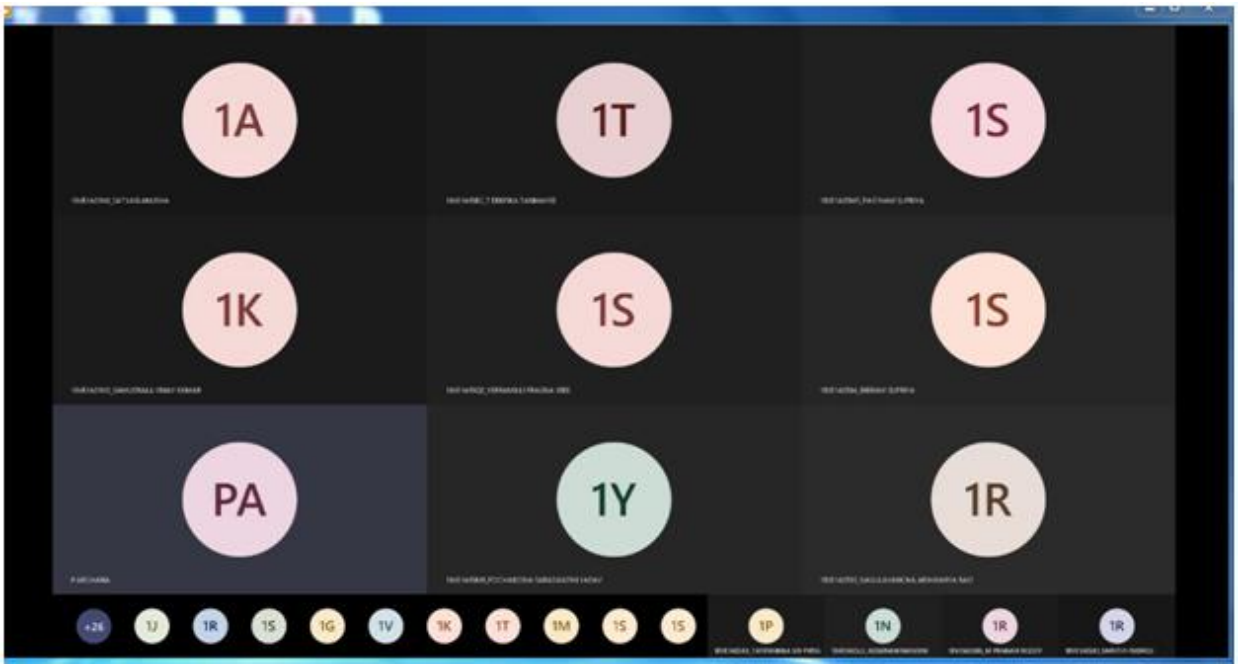


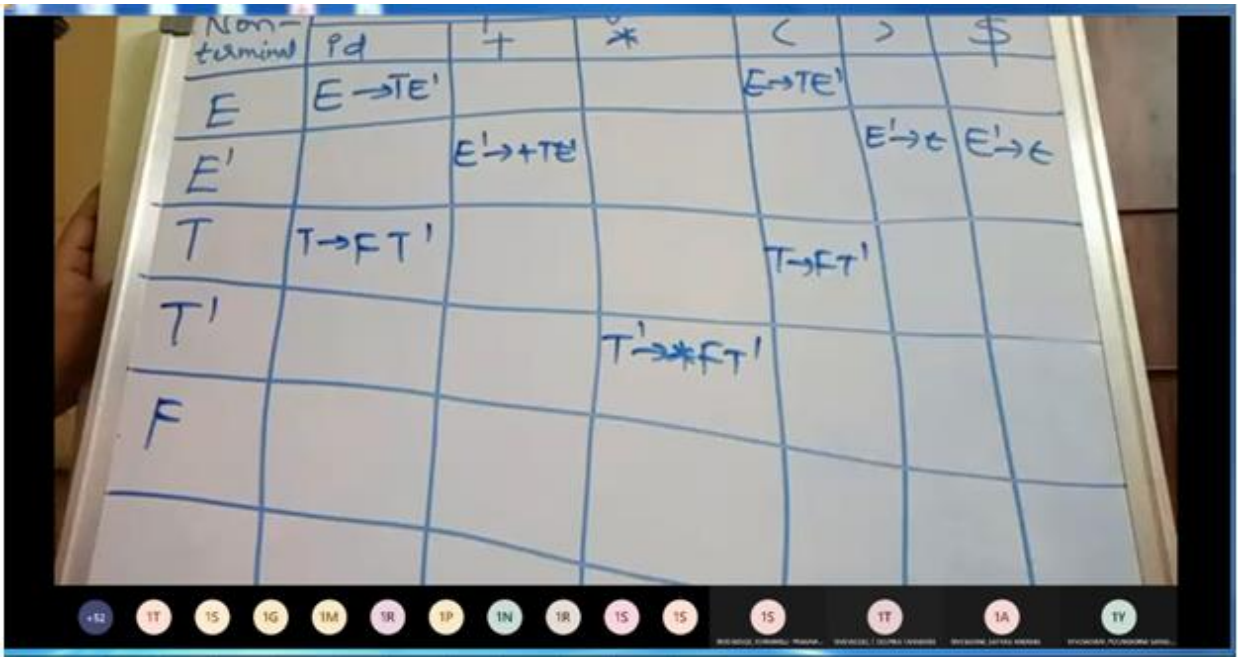

Applet Viewer: ec1.class
Applet
good morning
click
Applet started.
java class
Leave
this meeting. Be sure to let everyone know that they are ...
Dismiss
Meeting chat
19VE1A05J0 VOOTUKURI SREE KOUMUDI 10:29
Yes mam visible
20VE5A0503_ROHIT KOTAGIRI 10:29
Yes mam
19VE1A0532_MALLEPALLY BHANUSREE REDDY 10:29
Yes mam
19VE1A05J0 VOOTUKURI SREE KOUMUDI 10:29
Mam why did u wrote this mam in b.addActionListener(this)
Type a new message
Activate Windows
Go to Settings to activate Windows.
Type here to search


+ Code
+ Text
RAM
Disk
Arithmetic Operators
x = 16
y = 3
print(x // y)
5
0s completed at 3:40 PM
Search for anything


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
+23
VB
SS
PS
SP
SP
SA
MY
YK
PN
NC


rchana-compiler design
Microsoft Teams
parsing table-5th hour-30-04-21
2021-04-30 09:19 UTC
Recorded by
18VE1A05M8_POCHABOINA SARASWATHI
Organized by
P ARCHANA
Channel
General


1A
1T
1S
1K
1S
1S
PA
1Y
1R


Non-terminal
id
+
*
(
)
$
E
E→TE'
E→TE'
E'
E'→+TE'
E'→ε
E'→ε
T
T→FT'
T→FT'
T'
T'→*FT'
F

Microsoft Teams

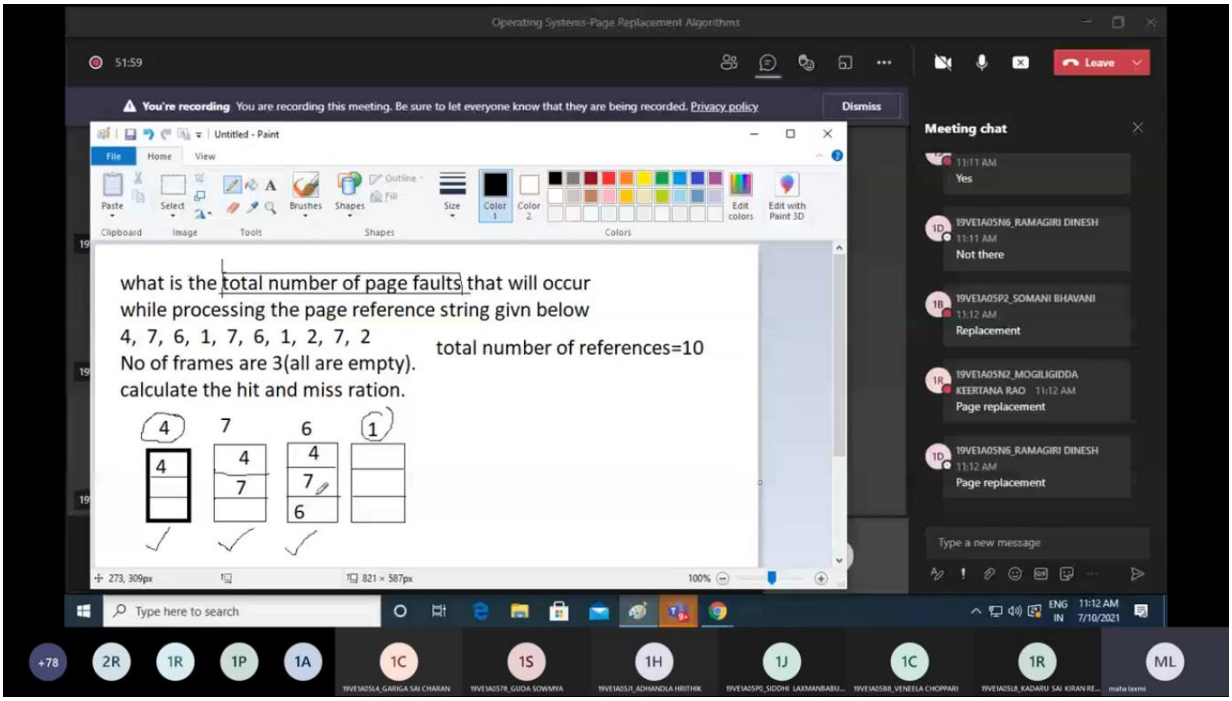
Operating Systems-Page Replacement Algorithms

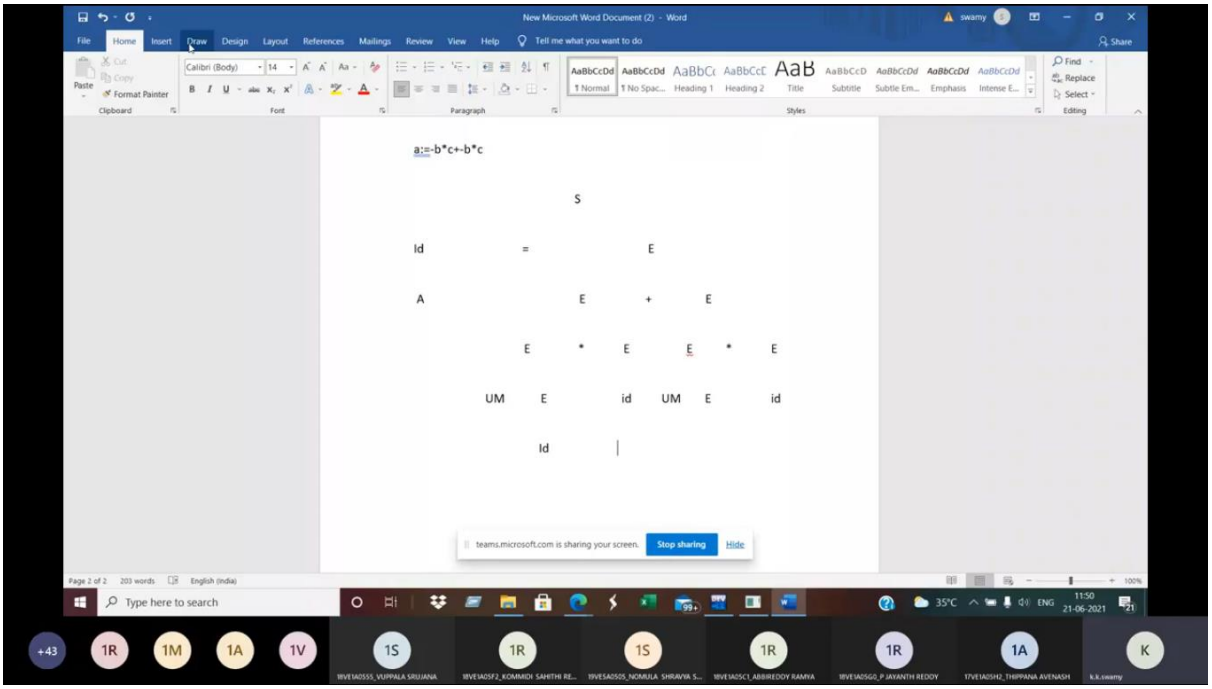
2021-07-10 05:17 UTC

Recorded by
maha laxmi

Organized by
maha laxmi

Channel
General




New Microsoft Word Document (2) - Word
a:=-b*c+-b*c
S
Id = E
A E + E
E * E E * E
UM E id UM E id
Id
teams.microsoft.com is sharing your screen.
Stop sharing
Hide
Type here to search

0_1 Knasack problem Continuation-20210609_115022-Meeting Recording.mp4
15:45 / 56:35

3.4.2 Canvas for taking Virtual Class:

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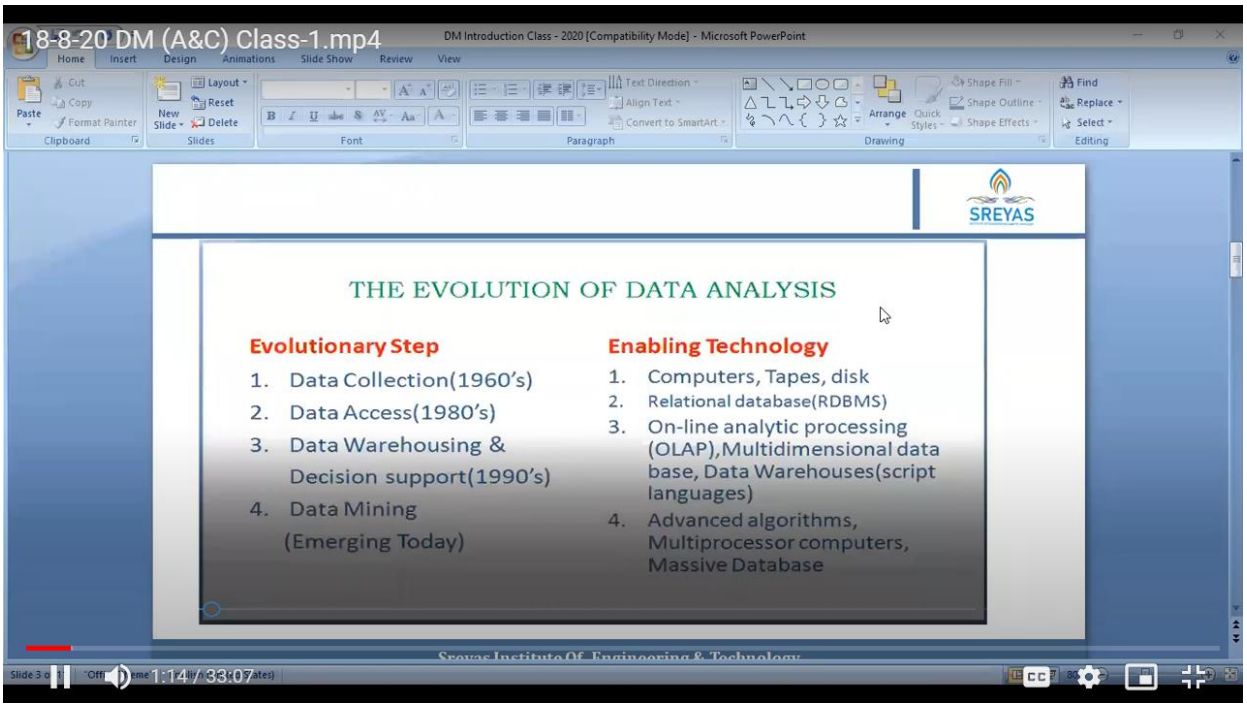
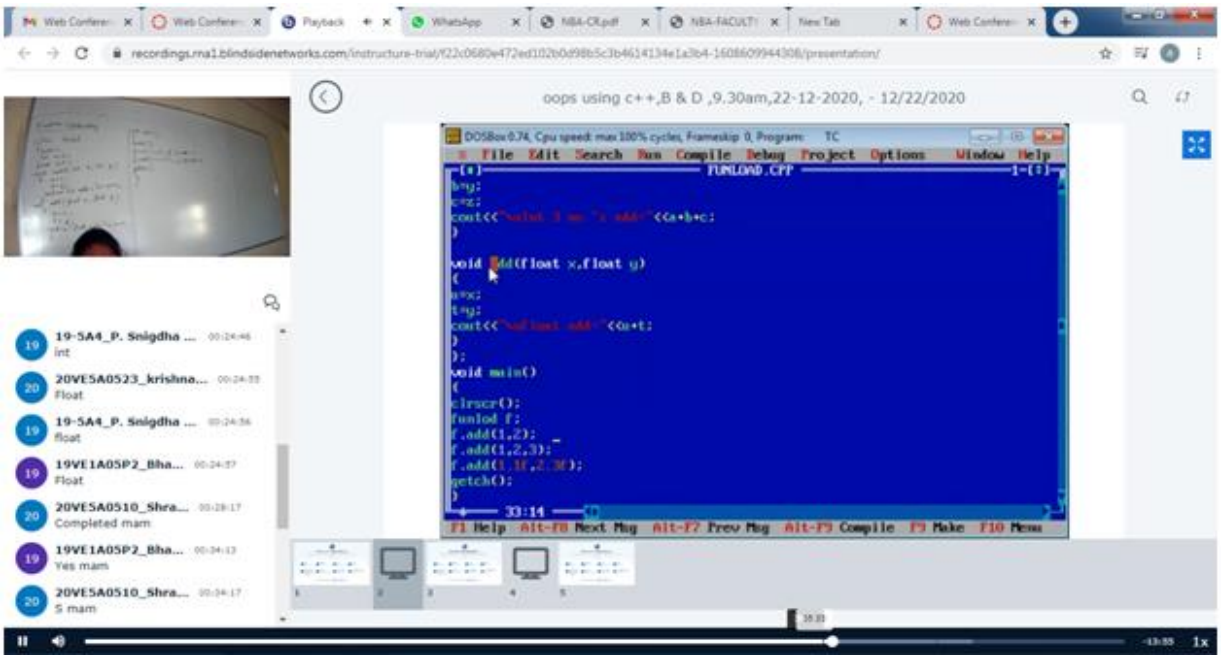
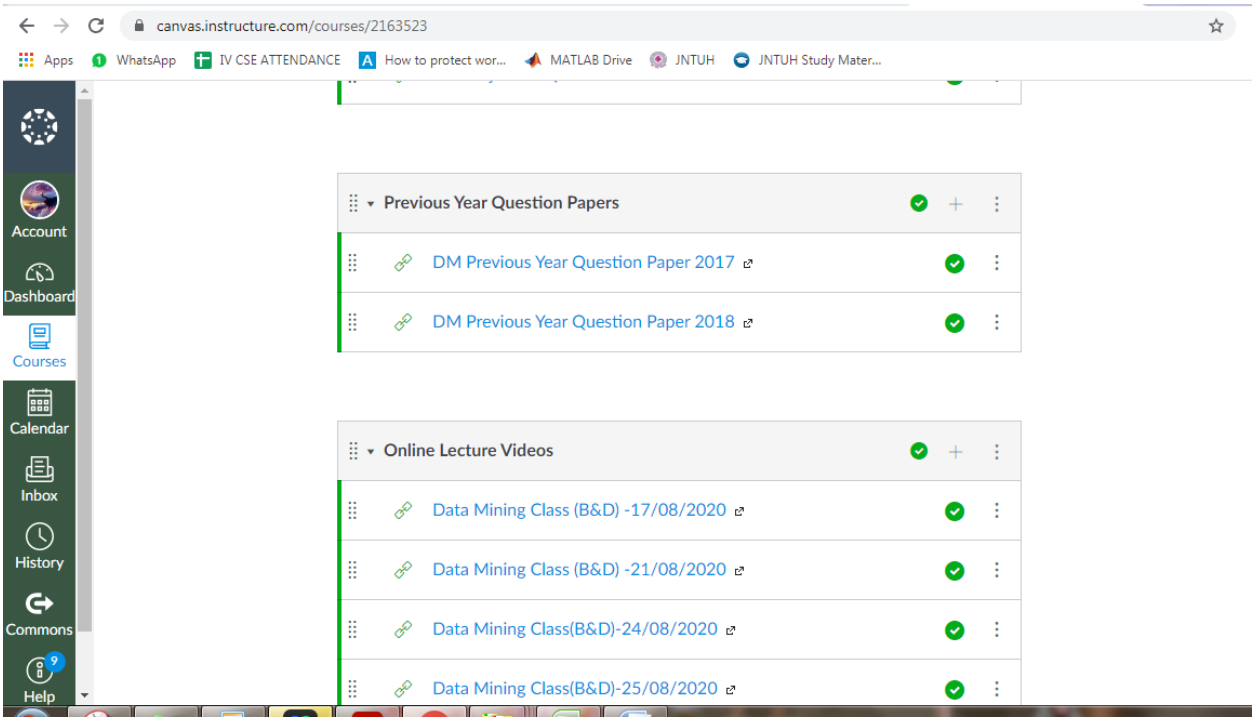
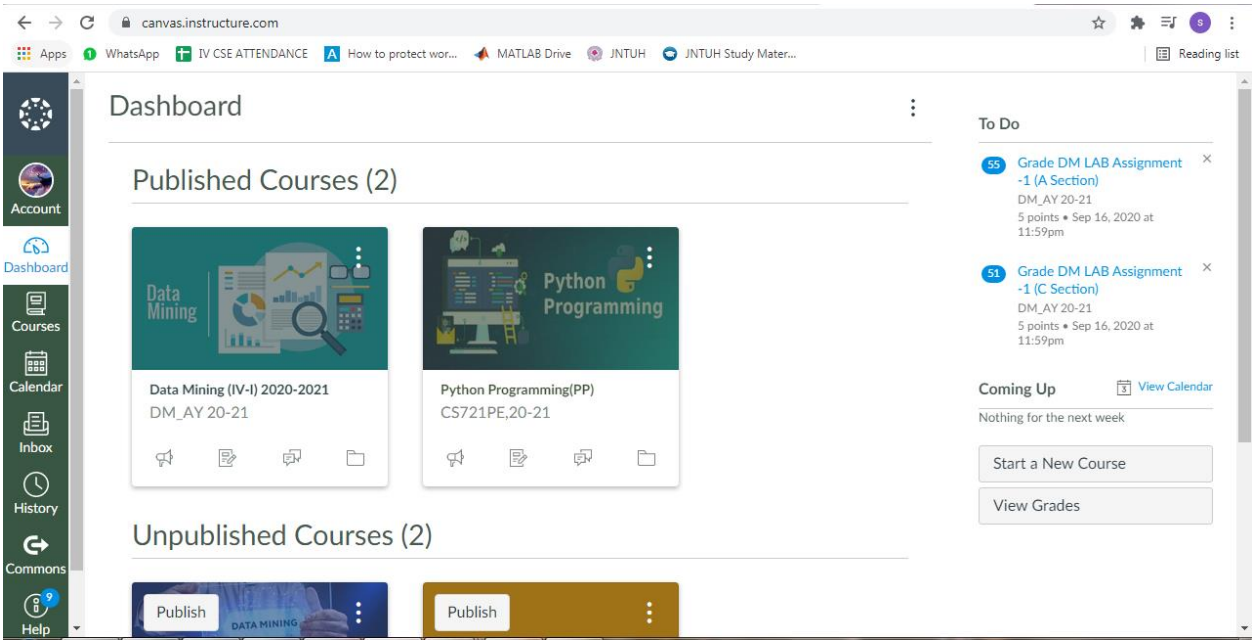
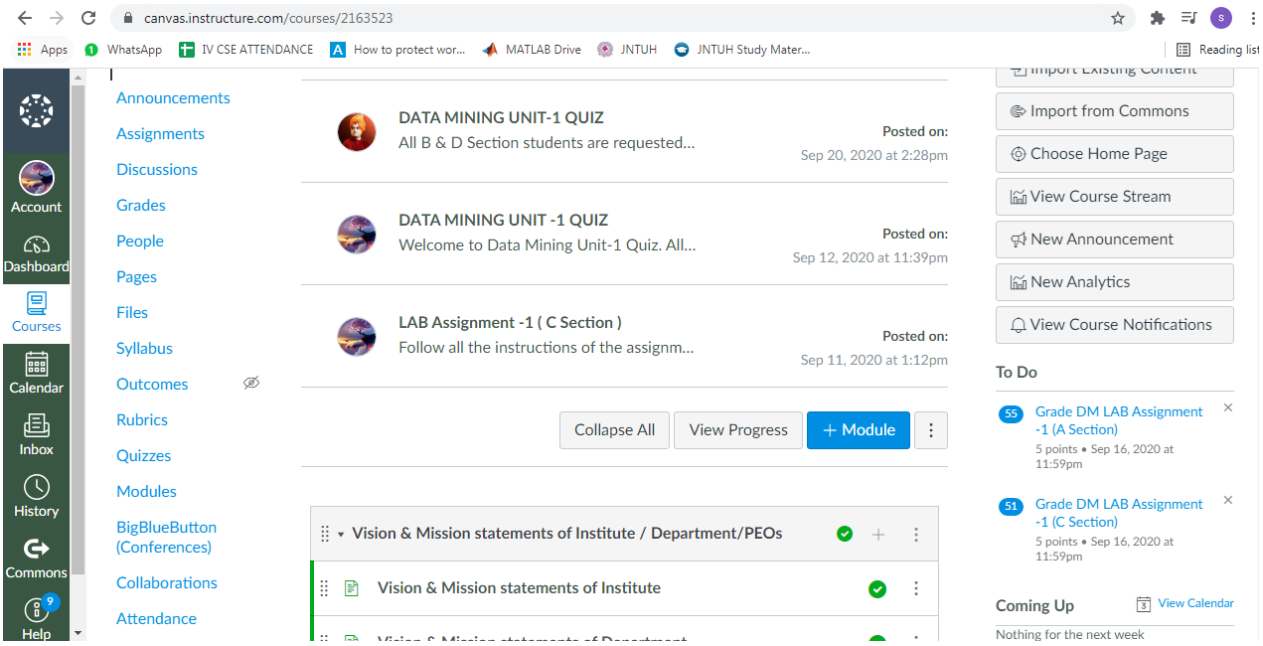
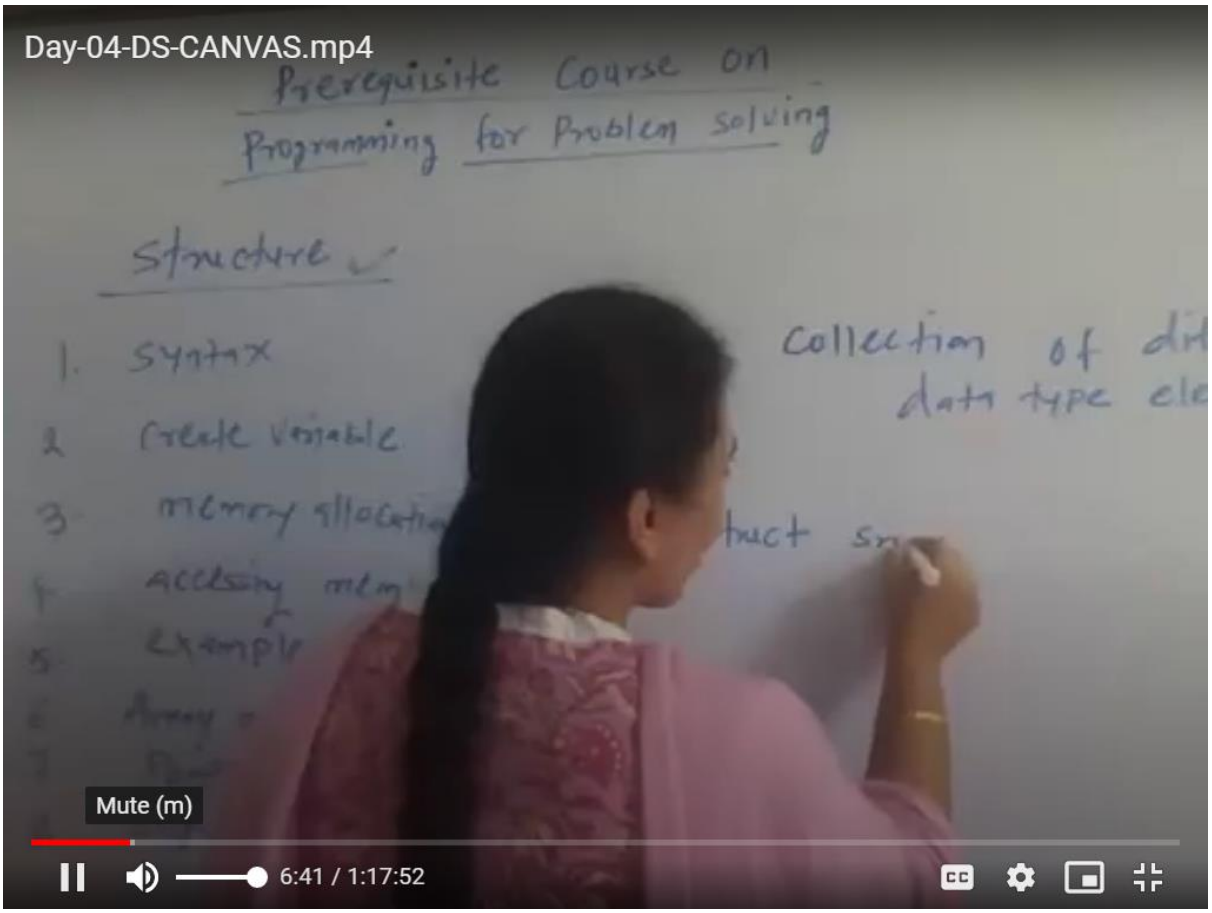





canvas.instructure.com/courses/2163523
Apps
WhatsApp
IV CSE ATTENDANCE
How to protect wor...
MATLAB Drive
JNTUH
JNTUH Study Mater...
Account
Dashboard
Courses
Calendar
Inbox
History
Commons
Help
Previous Year Question Papers
DM Previous Year Question Paper 2017
DM Previous Year Question Paper 2018
Online 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

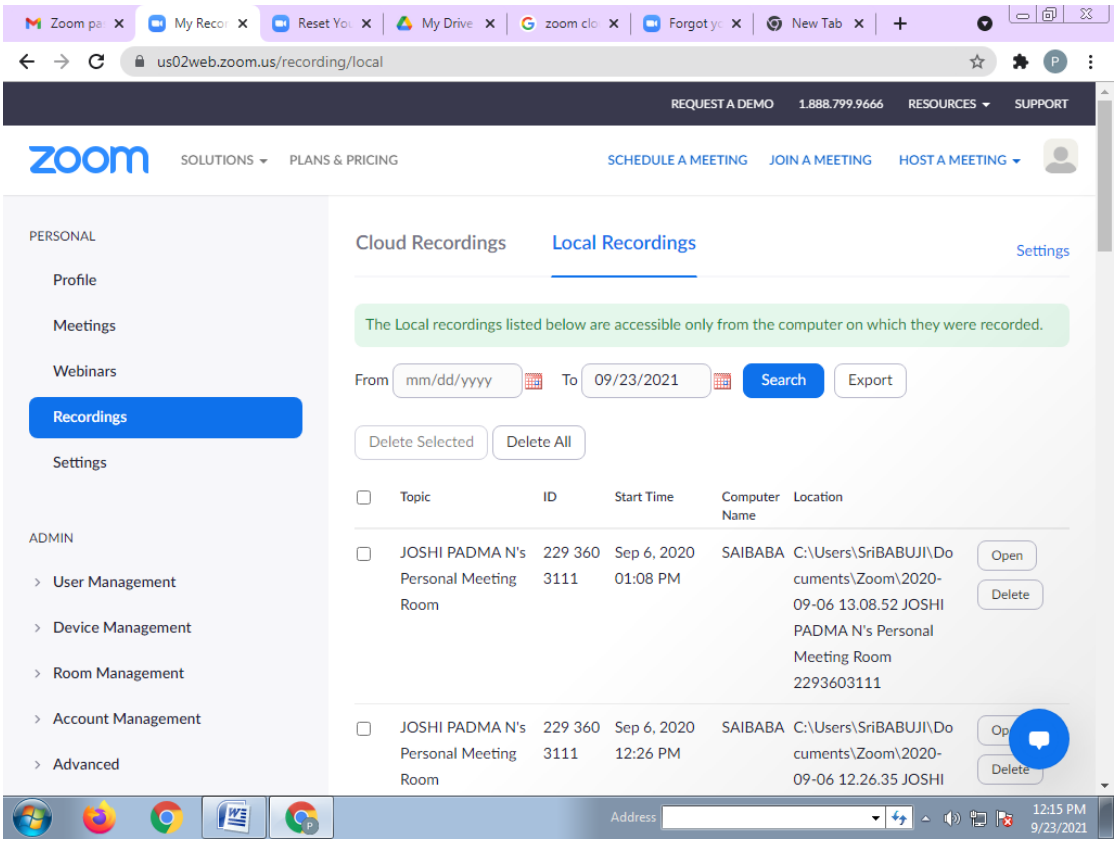

canvas.instructure.com
Apps
WhatsApp
IV CSE ATTENDANCE
How to protect wor...
MATLAB Drive
JNTUH
JNTUH Study Mater...
Reading list
Dashboard
Published Courses (2)
Data Mining
Data Mining (IV-I) 2020-2021
DM_AY 20-21
Python Programming
Python Programming(PP)
CS721PE,20-21
Unpublished Courses (2)
Publish
Publish
To Do
Grade DM LAB Assignment -1 (A Section)
DM_AY 20-21
5 points • Sep 16, 2020 at 11:59pm
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

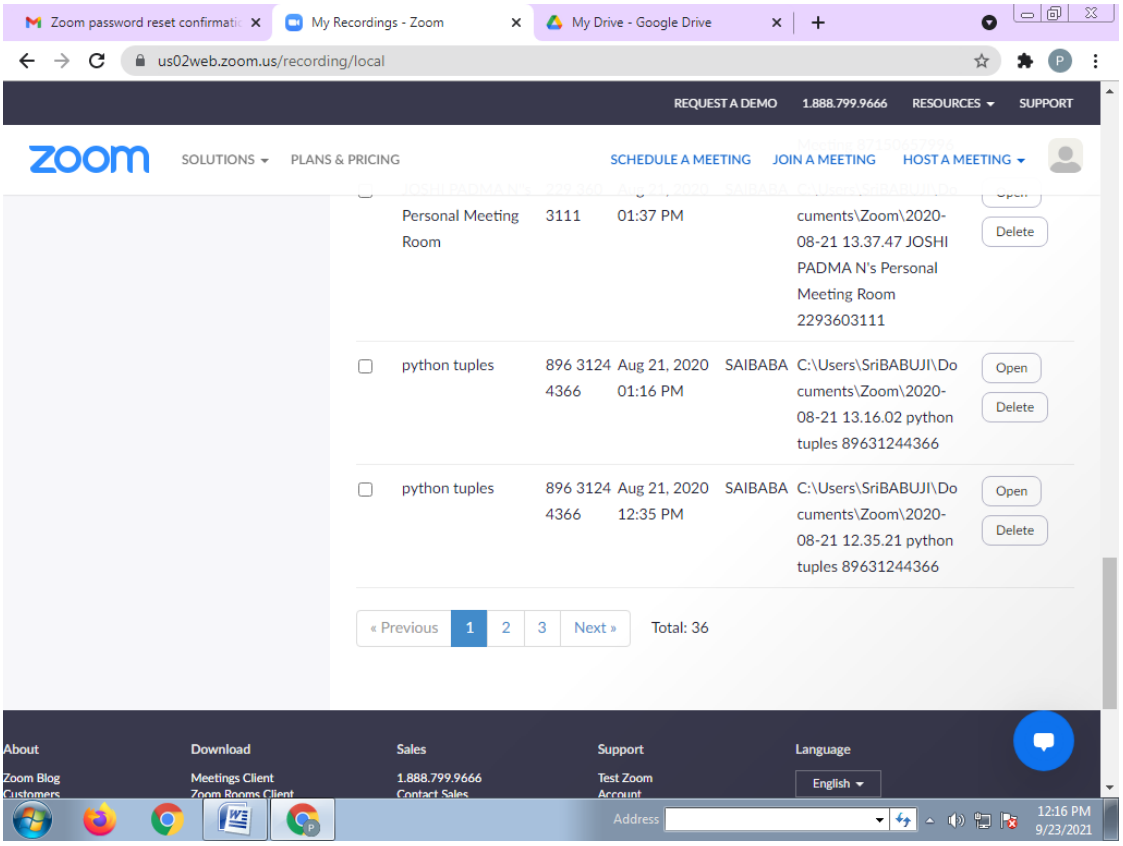

canvas.instructure.com/courses/2163523
Apps
WhatsApp
IV CSE ATTENDANCE
How to protect wor...
MATLAB Drive
JNTUH
JNTUH Study Mater...
Reading list
Account
Dashboard
Courses
Calendar
Inbox
History
Commons
Help
Announcements
Assignments
Discussions
Grades
People
Pages
Files
Syllabus
Outcomes
Rubrics
Quizzes
Modules
BigBlueButton (Conferences)
Collaborations
Attendance
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
Collapse All
View Progress
+ Module
Vision & Mission statements of Institute / Department/PEOs
Vision & Mission statements of Institute
Import from Commons
Choose Home Page
View Course Stream
New Announcement
New Analytics
View Course Notifications
To Do
Grade DM LAB Assignment -1 (A Section)
5 points • Sep 16, 2020 at 11:59pm
Grade DM LAB Assignment -1 (C Section)
5 points • Sep 16, 2020 at 11:59pm
Coming Up
View Calendar
Nothing for the next week

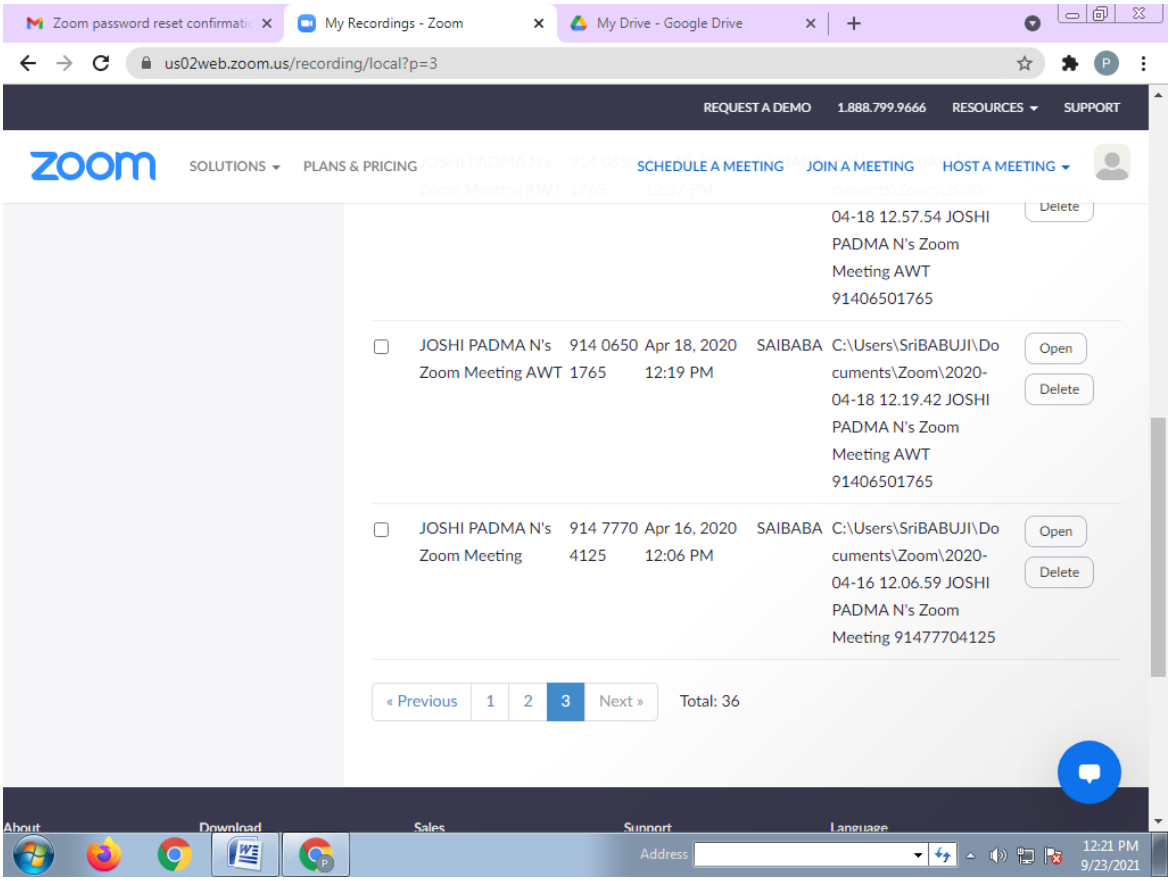

Day-04-DS-CANVAS.mp4
Prerequisite Course on
Programming for Problem solving
Structure
1. Syntax
2 Create variable
3 memory allocation
4 accessing mem
5 example
Collection of
data type
Mute (m)
6:41 / 1:17:52

3.4.3 Zoom for taking Virtual Class:

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







3.4.4 Google Meet for taking Virtual Class:

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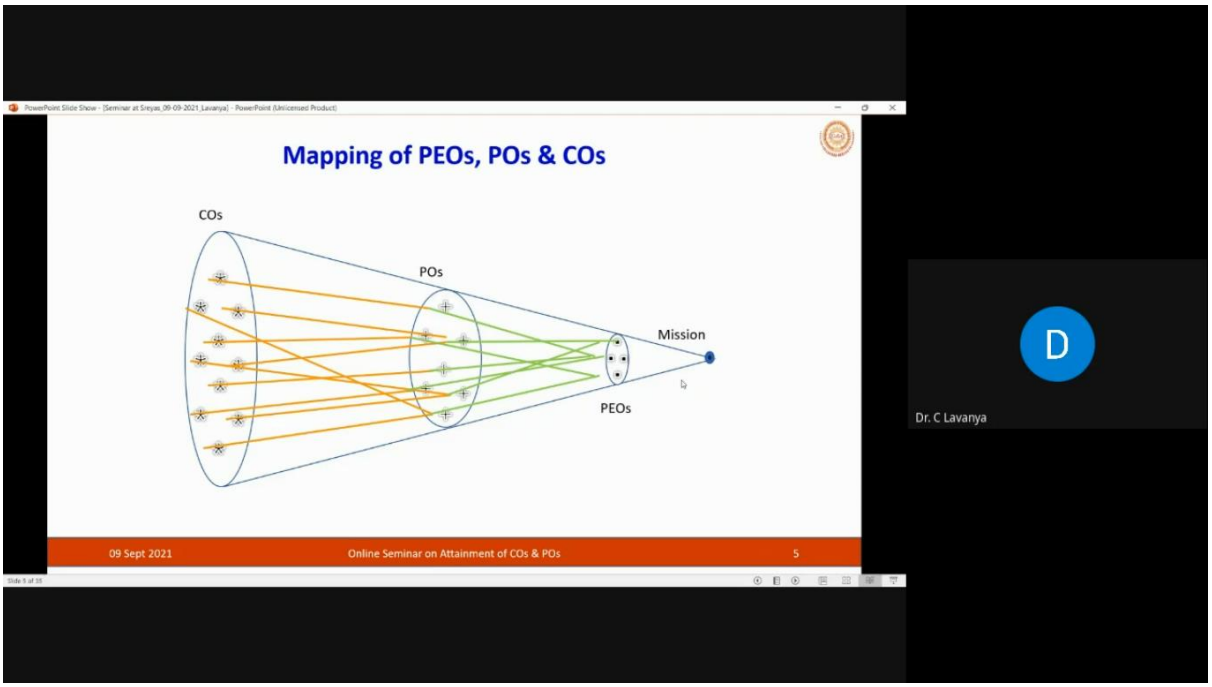
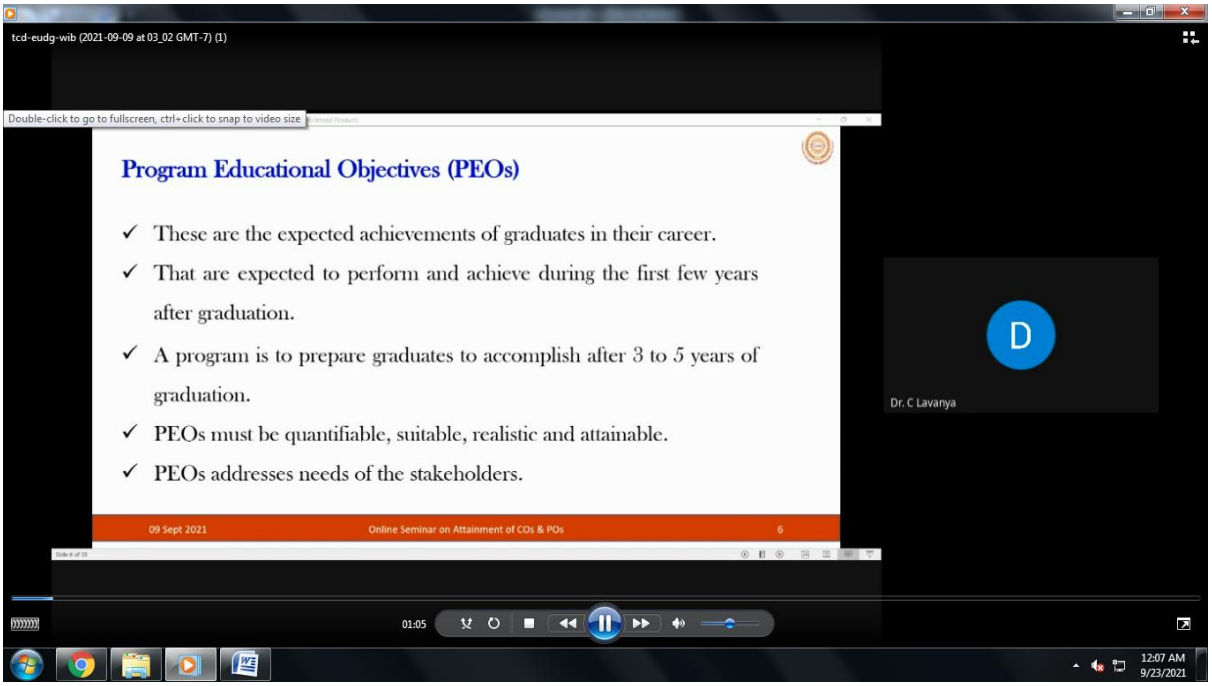
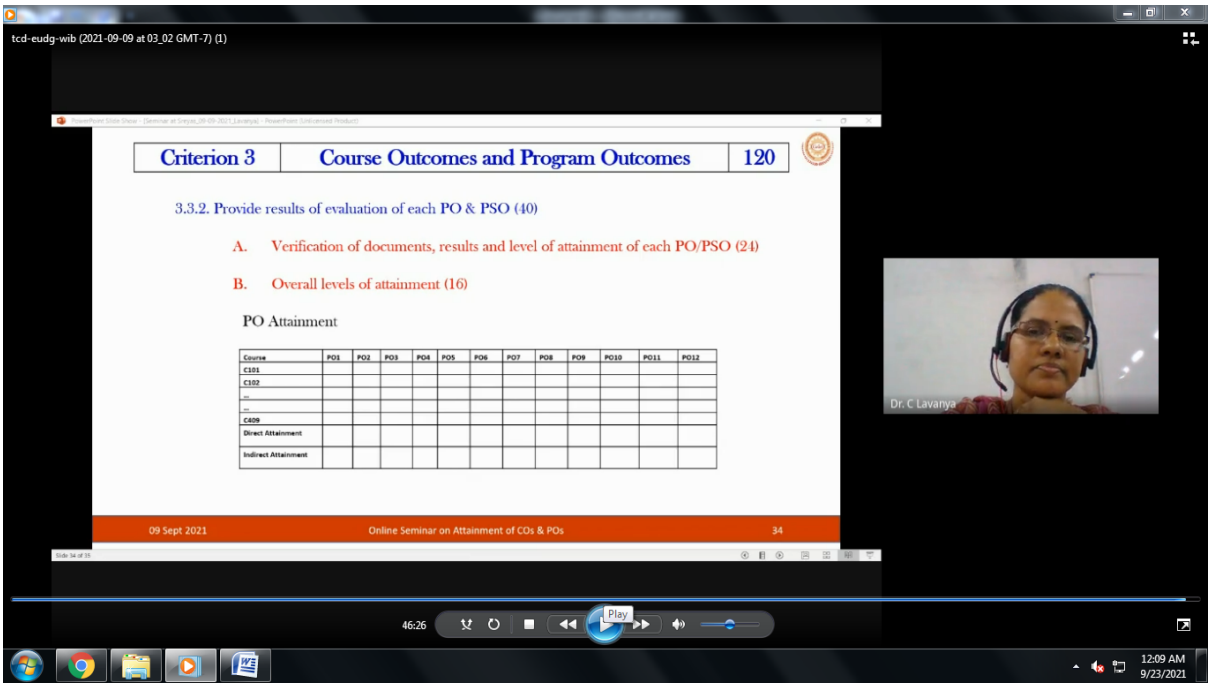
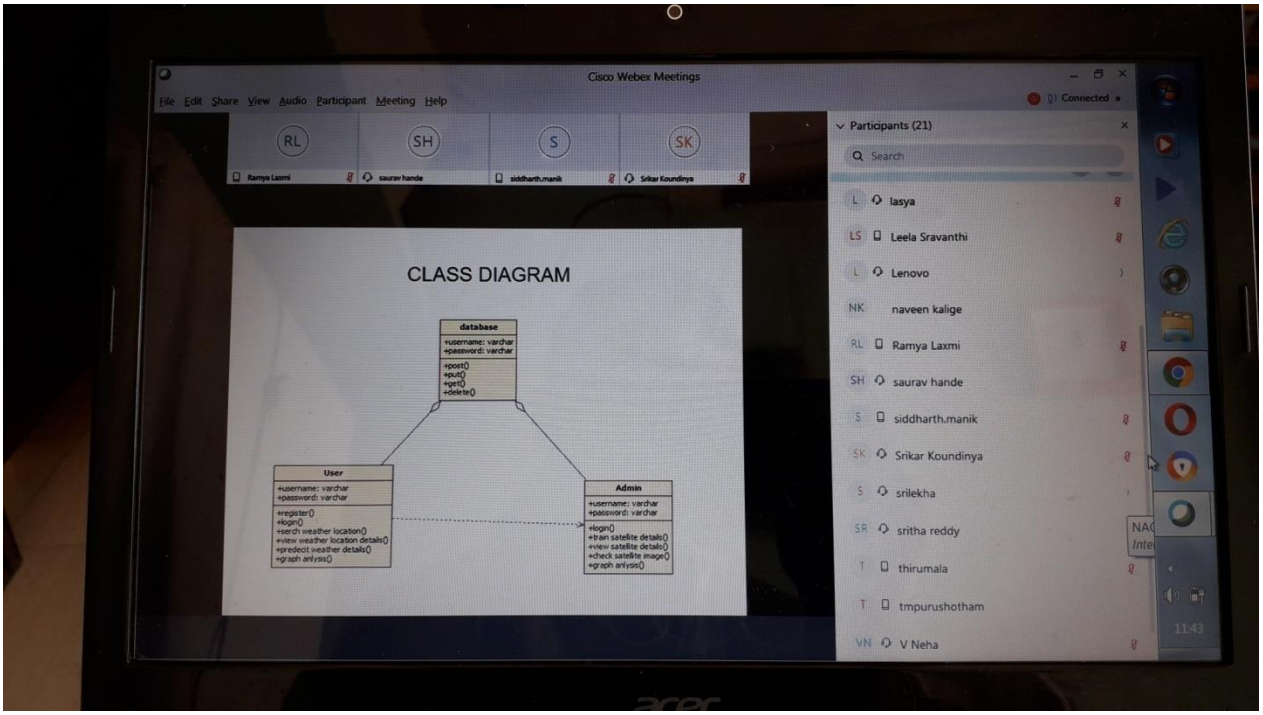
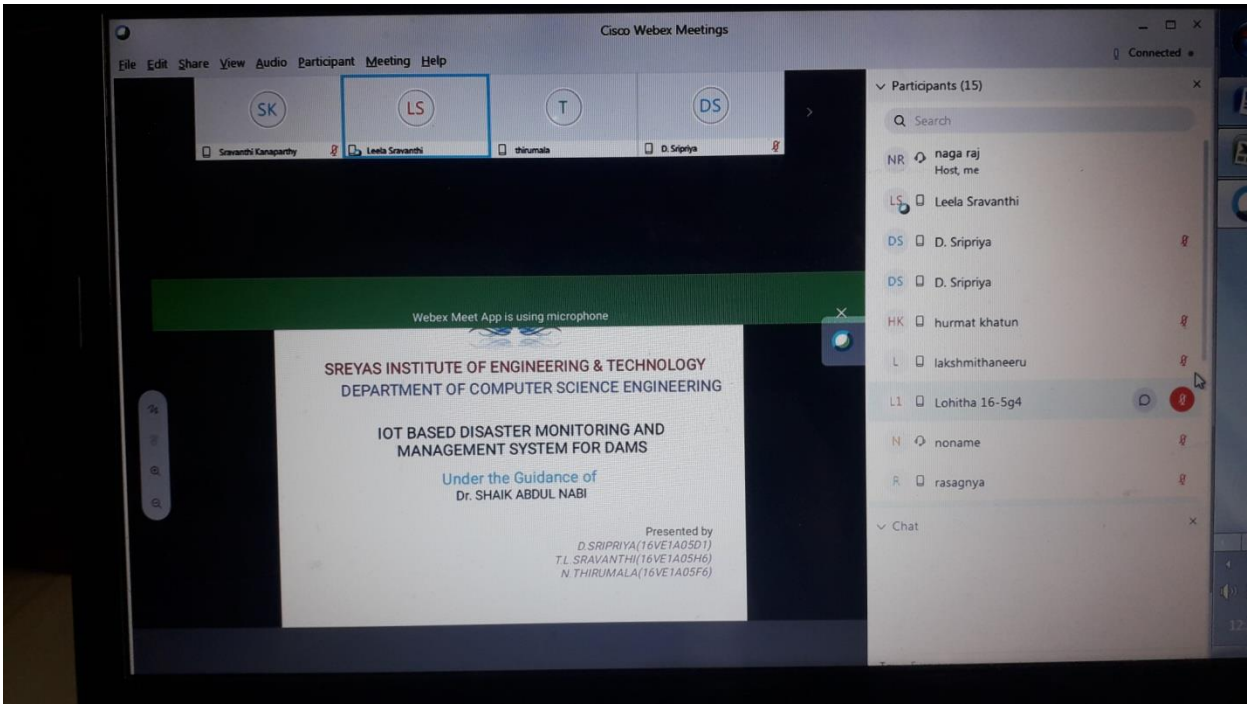


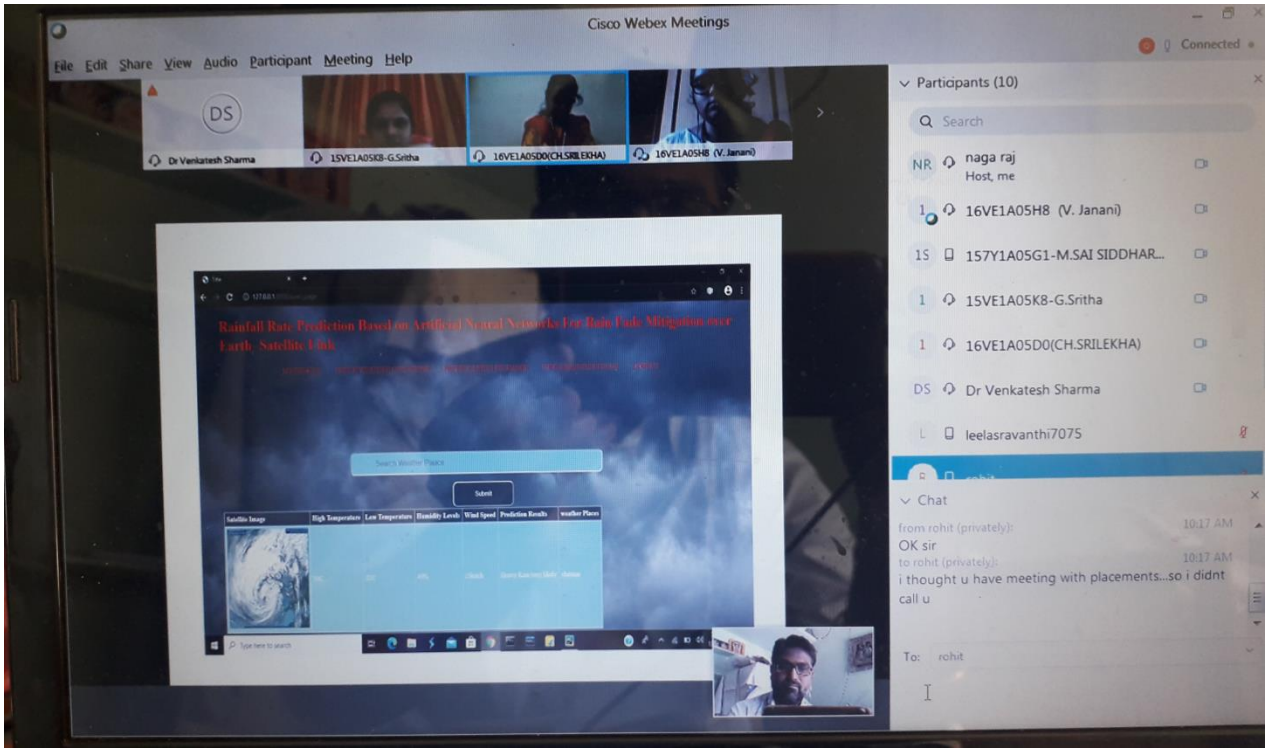

tcd-eudg-wib (2021-09-09 at 03_02 GMT-7) (1)
Double-click to go to fullscreen, ctrl+click to snap to video size
Program Educational Objectives (PEOs)
✓ These are the expected achievements of graduates in their career.
✓ That are expected to perform and achieve during the first few years after graduation.
✓ 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
D
Dr. C Lavanya
01:05
12:07 AM
9/23/2021

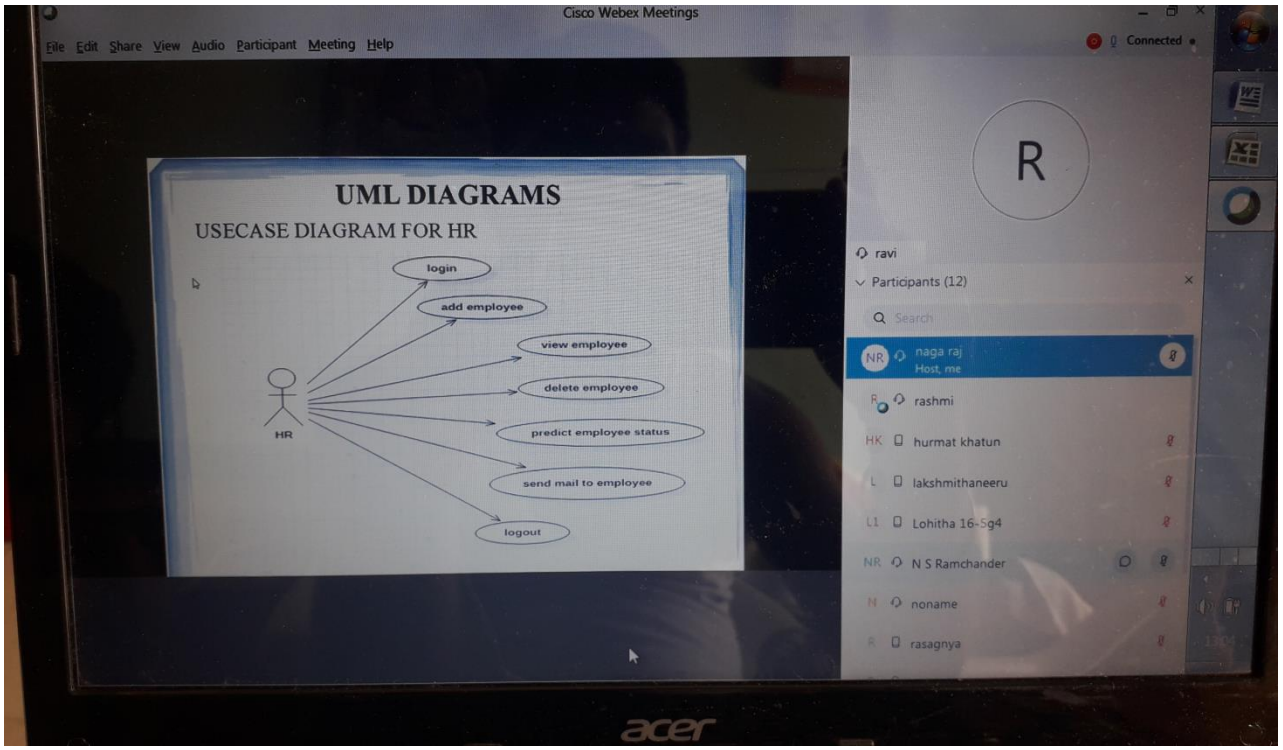

tcd-eudg-wib (2021-09-09 at 03_02 GMT-7) (1)
Criterion 3
Course Outcomes and Program Outcomes
120
3.3.2. Provide results of evaluation of each PO & PSO (40)
A. Verification of documents, results and level of attainment of each PO/PSO (24)
B. Overall levels of attainment (16)
PO Attainment
Course
PO1
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
Dr. C Lavanya
46:26
Play
12:09 AM
9/23/2021

3.4.5 CISCO WebEx for taking Virtual Class:






Cisco Webex Meetings
File Edit Share View Audio Participant Meeting Help
Connected
Participants (10)
Search
naga raj
Host, me
16VE1A05H8 (V. Janani)
157Y1A05G1-M.SAI SIDDHAR...
15VE1A05K8-G.Sritha
16VE1A05D0(CH.SRILEKHA)
Dr Venkatesh Sharma
leelasravanthi7075
Chat
from rohit (privately): 10:17 AM
OK sir
to rohit (privately): 10:17 AM
i thought u have meeting with placements...so i didnt call u
To: rohit


Cisco Webex Meetings
File Edit Share View Audio Participant Meeting Help
Connected
UML DIAGRAMS
USECASE DIAGRAM FOR HR
login
add employee
view employee
delete employee
predict employee status
send mail to employee
logout
HR
R
ravi
Participants (12)
Search
naga raj
Host, me
rashmi
hurmat khatun
lakshmithaneeru
Lohitha 16-5g4
N S Ramchander
noname
rasagnya
acer