VISHNU INSTITUTE OF TECHNOLOGY::BHIMAVARAM

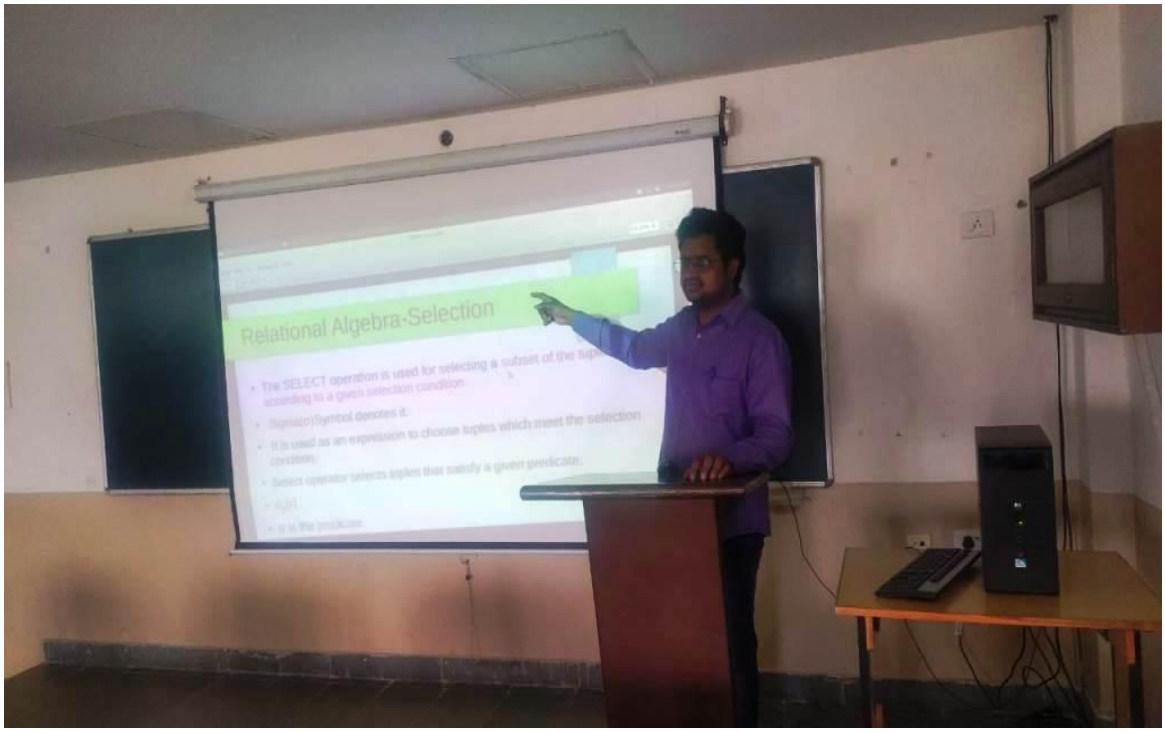
(AUTONOMOUS)

ICT Enabled Tools

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

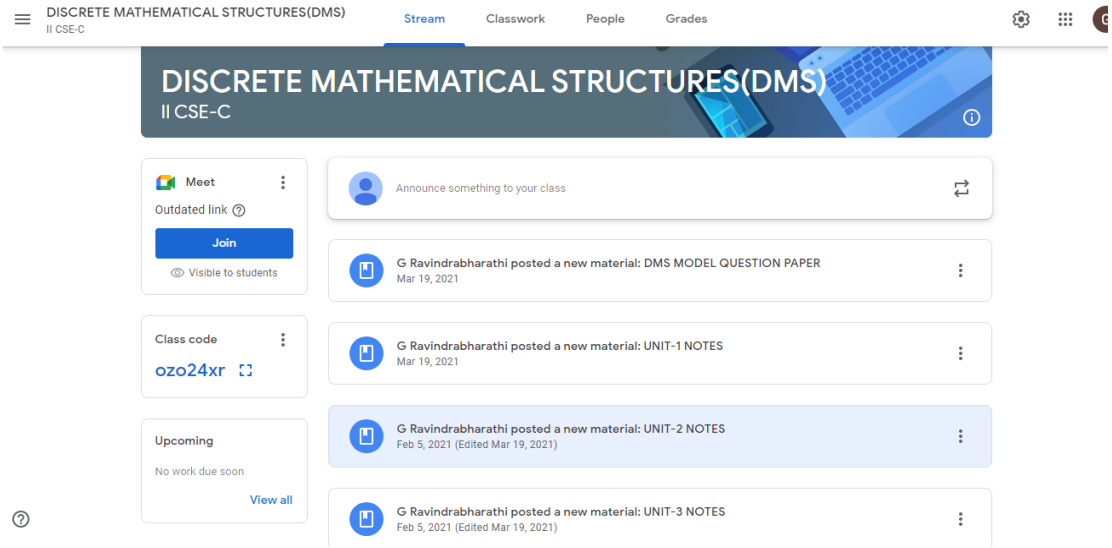
1. Interactive Classrooms

The Digital Interactive Classroom is packaged with a robust infrastructure that helps students to stand globally competent with the help of state-of-the-art technology and this set-up includes a giant Interactive White Board and a projector, a super-fast desktop or a laptop. Classrooms are equipped with ceiling-mounted projectors and whiteboards for writing notes.

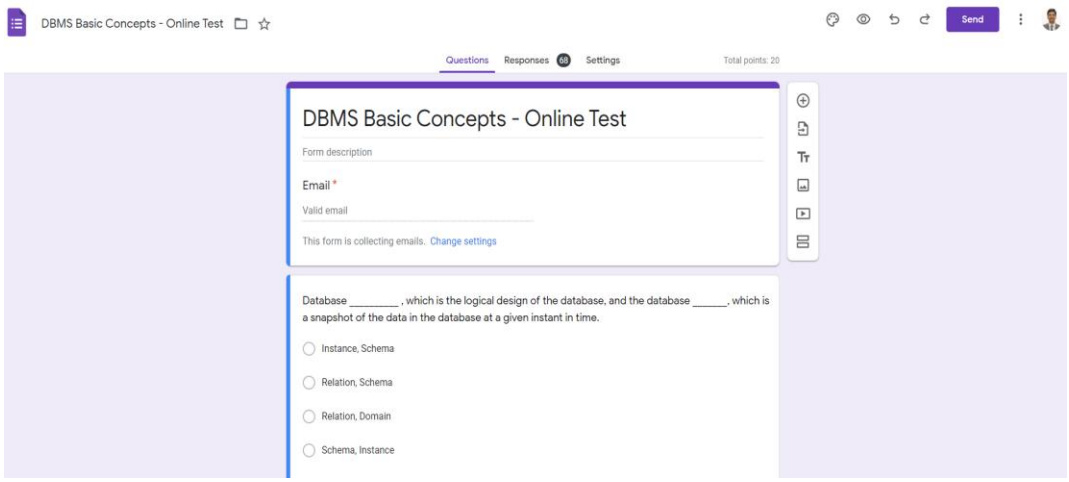


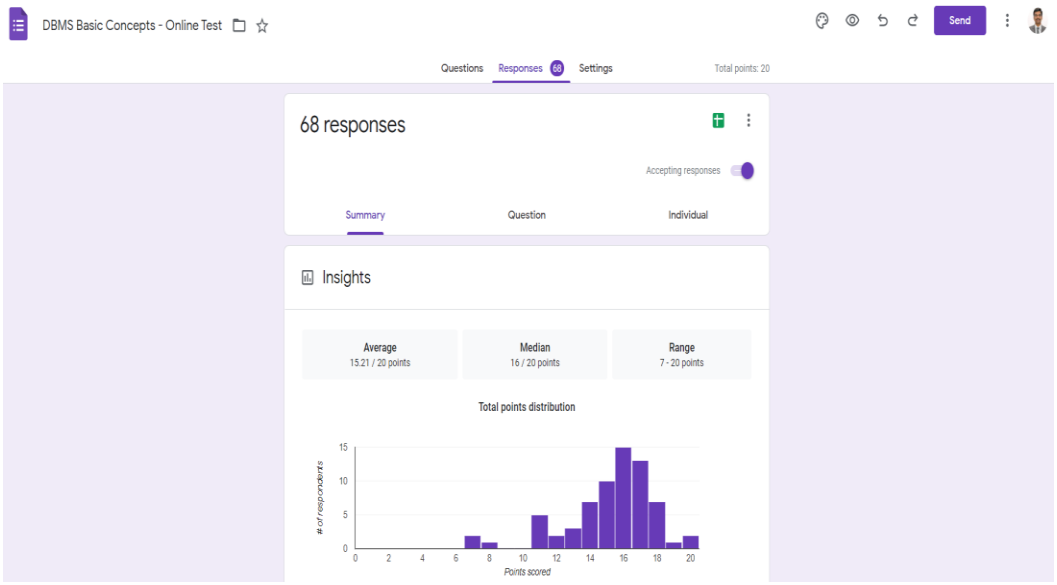
Google classroom

Google Classroom is an application designed to enhance the learning experience which is incorporated in our teaching learning process. It helps to interact with students 24 X 7, by posting technical contents, notes, and assignments and also facilitates to conduct and evaluate online quizzes. The tools offer opportunities for collaboration in real time and the ability to work remotely.



Technical Notes Uploaded

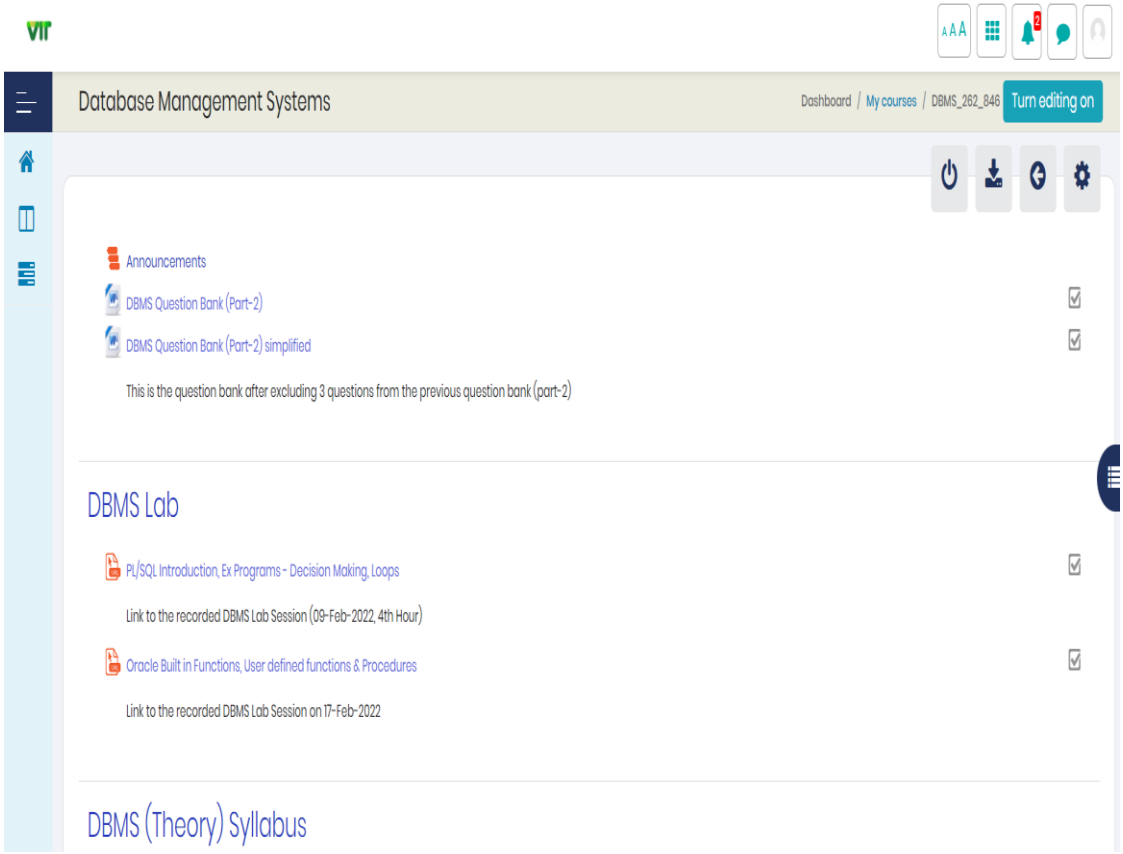


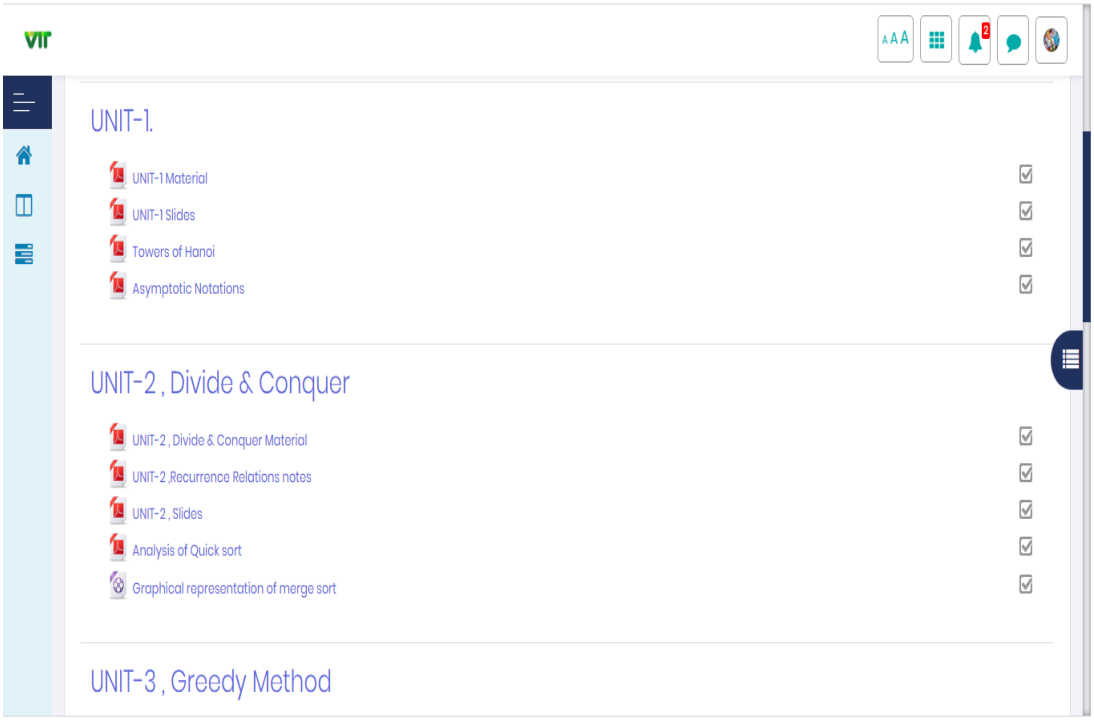


Online Test -Result Summary

2. Vishnu Learning E-Bayaas (LMS)

Sri Vishnu LMS (E-Abyas /Moodle LMS):https://vishnulearning.com/





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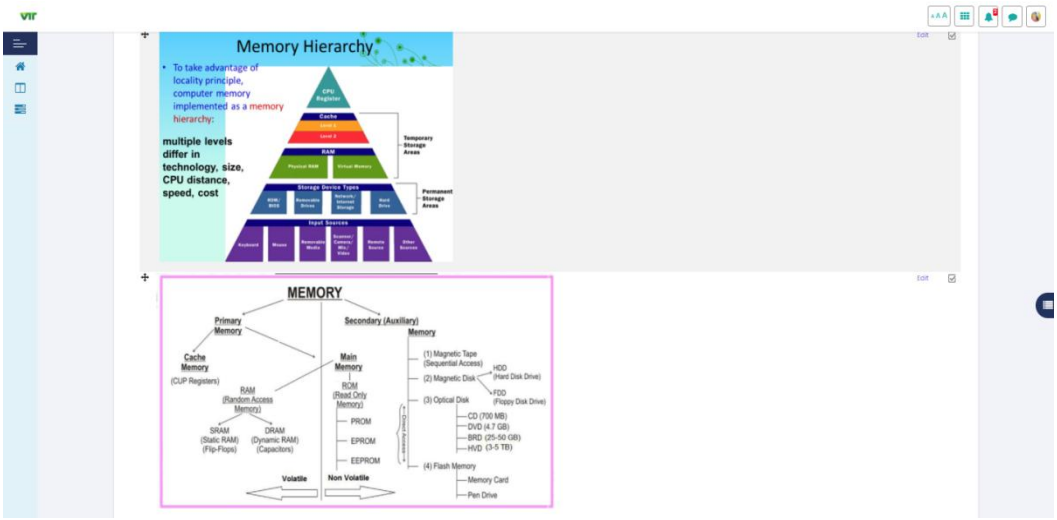

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Email address	MID Question bank	Syllabus	Quiz on Prerequisites	Textbooks	Notes - Question Wise	Unit Wise Question Bank	Question Papers	Module-I presentation	Real-life applications of ..	Video-Introduction to Data ..	Video-KDD and Applications	Millionaire	Data Mining tools	Video-Challenges and DM tasks	Video-Kinds of data where ..	Quiz-3 28 April 2021	What kind of patterns can ..	Video-Functionalities of DM	Crossword Game 29 April 2021	Technologies	Video-Technologies used ..	Issues	Video-Issues	Applications	Quiz 4	Data objects and attributes	video - Data obj and ..	Quiz 5 3 May 2021	Data Visualization techniques
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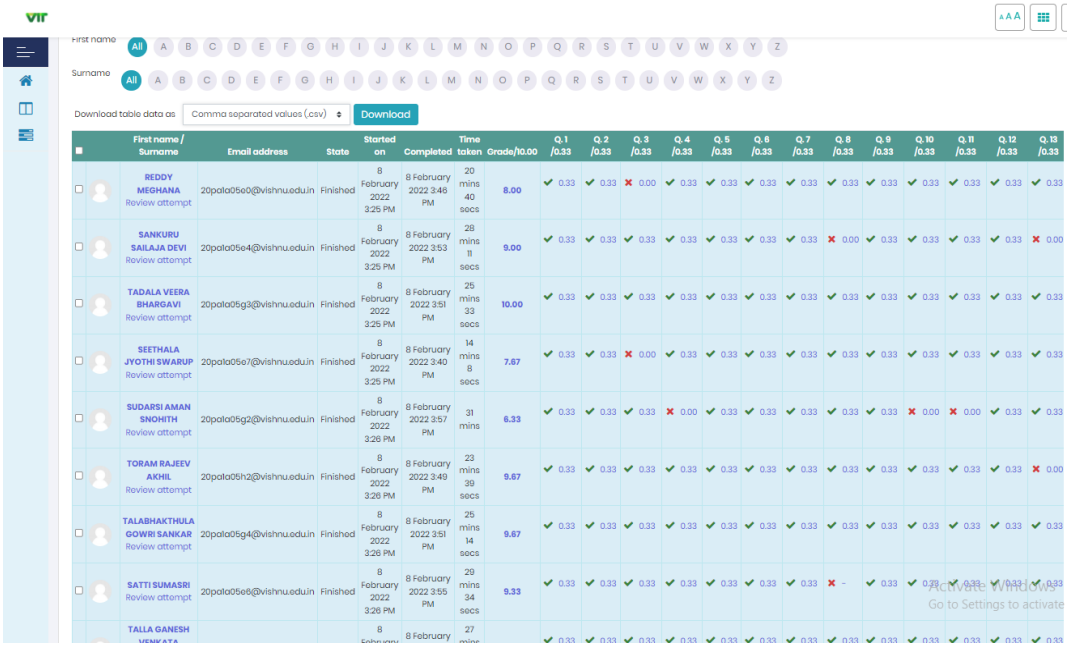
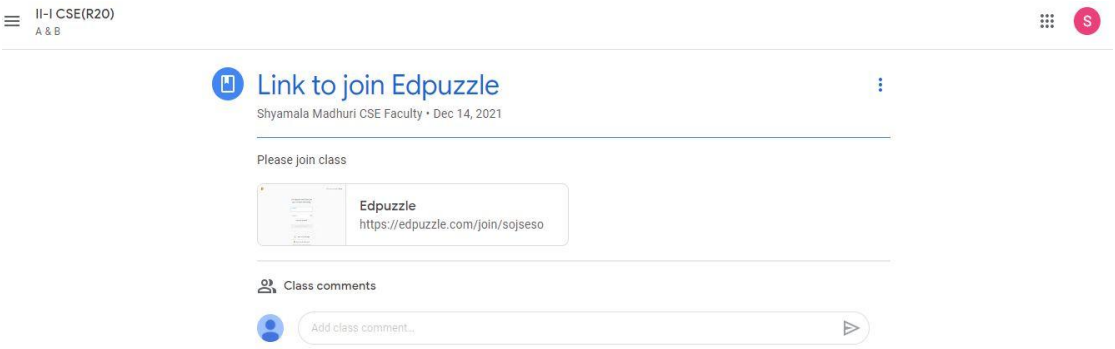
Student Activity Completion

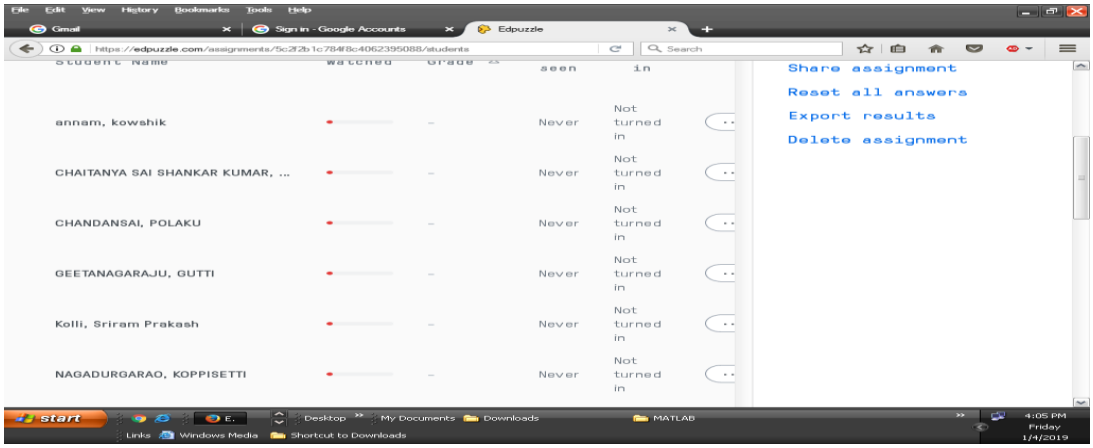


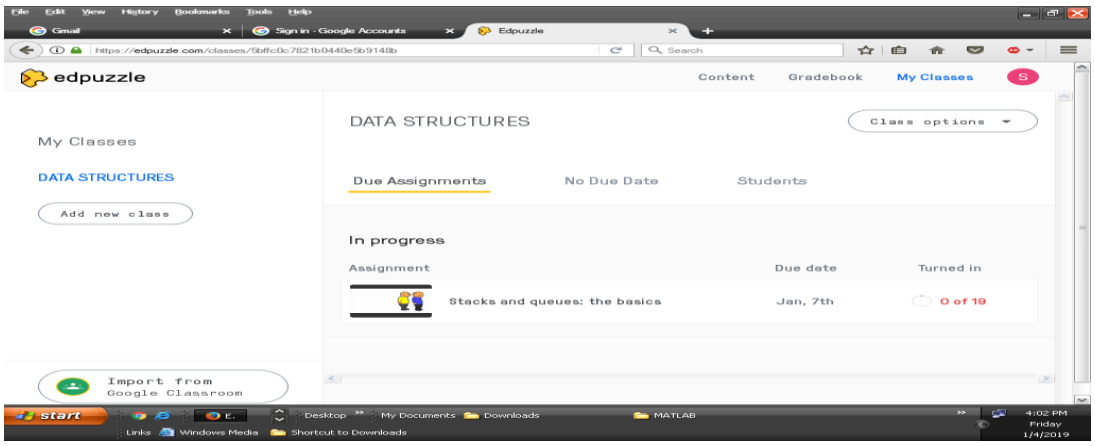
Assignment Completion

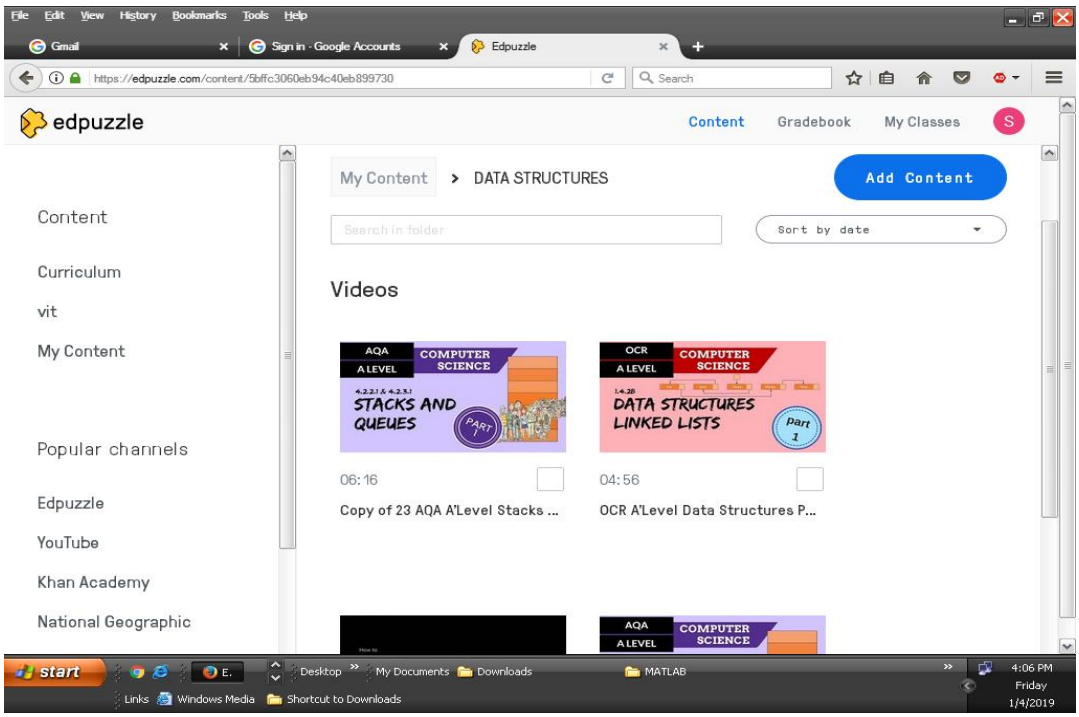
3. ED puzzle

Ed puzzle is a web-based interactive video and formative assessment tool that allows users to crop existing online videos and add content for target specific learning objectives. Faculty custom search the extensive library of available videos and edit them with voice-overs, embedded assessment questions and when deemed necessary they upload their own videos and additional resources through this application. Faculty also draw from the site's curriculum content, assign due dates and prohibit students from fast forward watching through the video. Faculty view student's scores and progress over time as well as the length of time students took to complete a given assignment. The usage of EDpuzzle tool during the class is shown in Figure




Share assignment
Reset all answers
Export results
Delete assignment
annam, kowshik
CHAITANYA SAI SHANKAR KUMAR, ...
CHANDANSAI, POLAKU
GEETANAGARAJU, GUTTI
Kolli, Sriram Prakash
NAGADURGARAO, KOPPISETTI
Never
Not turned in


edpuzzle
Content
Gradebook
My Classes
My Classes
DATA STRUCTURES
Add new class
DATA STRUCTURES
Class options
Due Assignments
No Due Date
Students
In progress
Assignment
Due date
Turned in
Stacks and queues: the basics
Jan, 7th
0 of 19
Import from Google Classroom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Content
Gradebook
My Classes
My Content
DATA STRUCTURES
Add Content
Sort by date
Content
Curriculum
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My Content
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Edpuzzle
YouTube
Khan Academy
National Geographic
Videos
AQA A LEVEL COMPUTER SCIENCE
STACKS AND QUEUES
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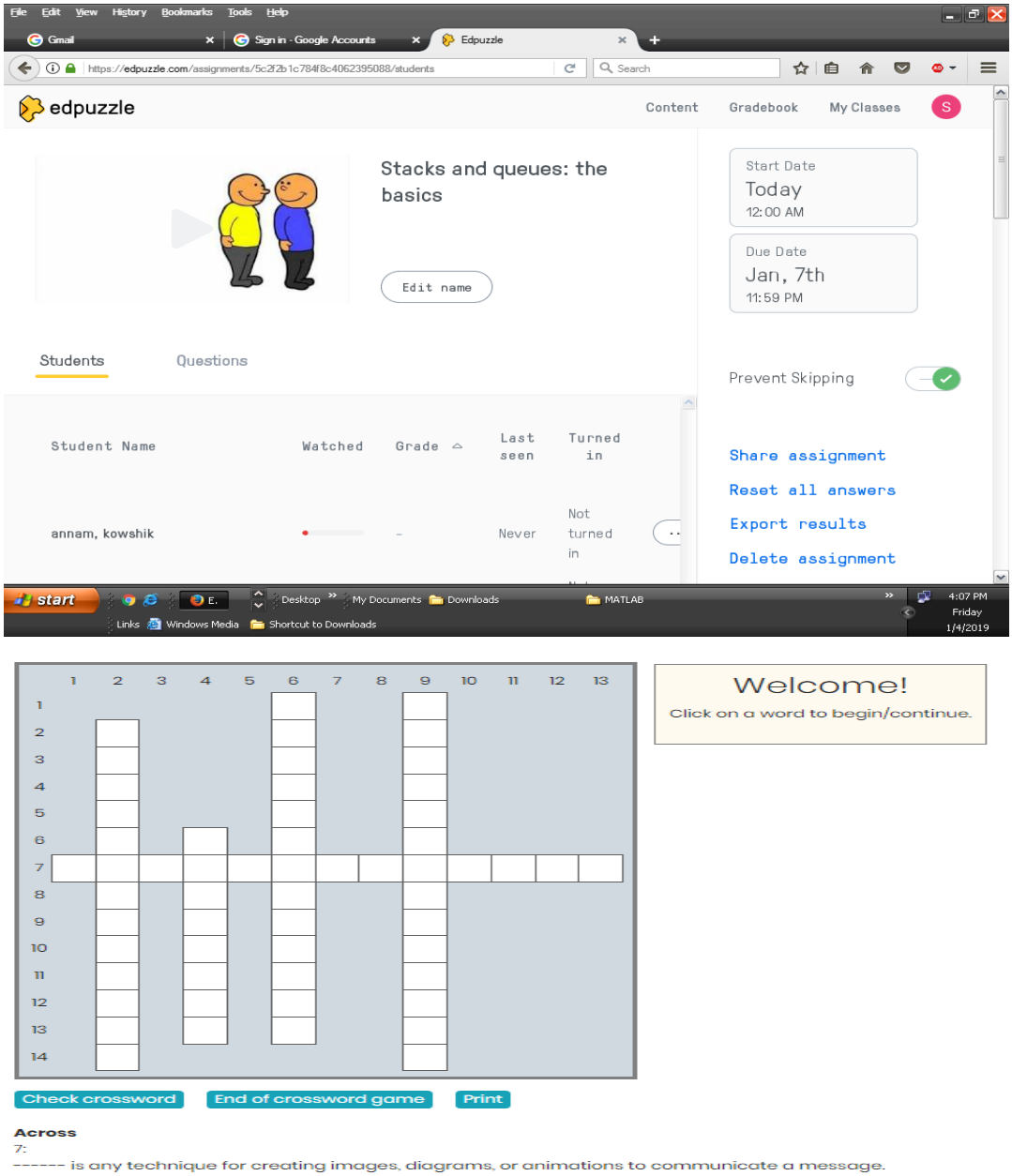
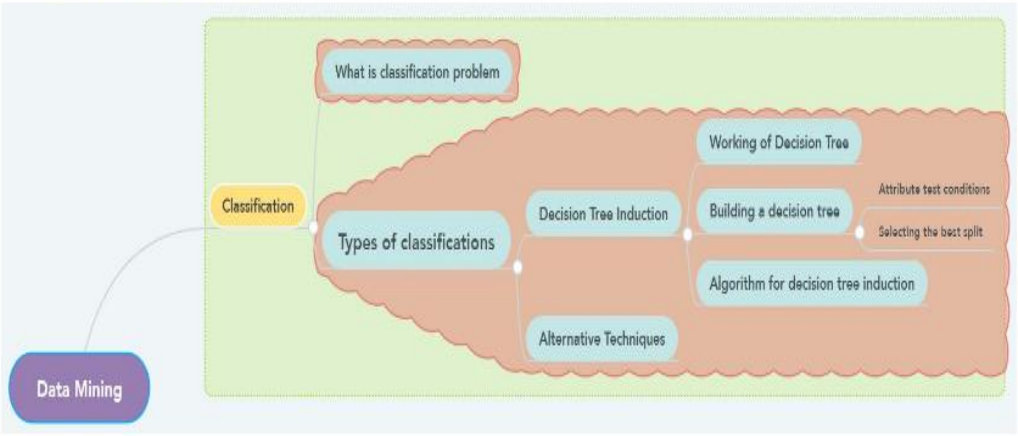


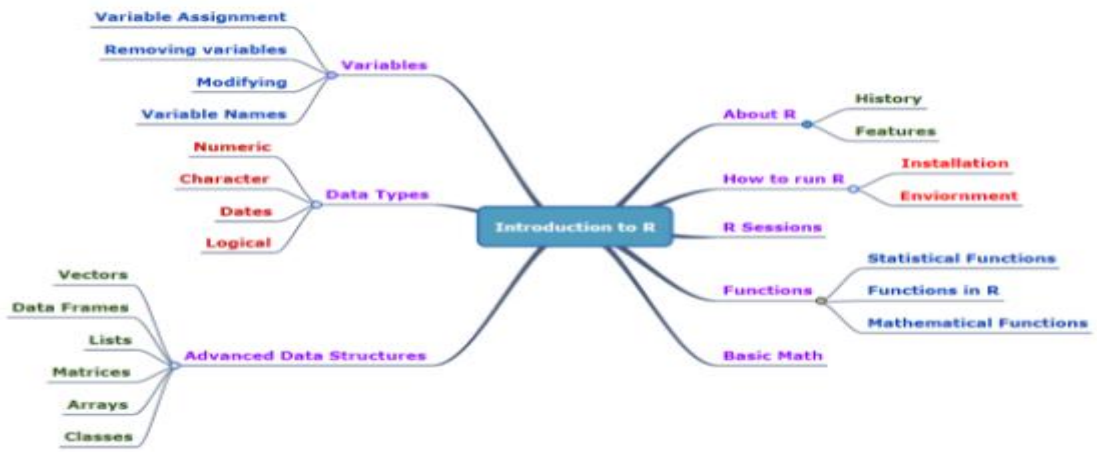
4. Mind Map

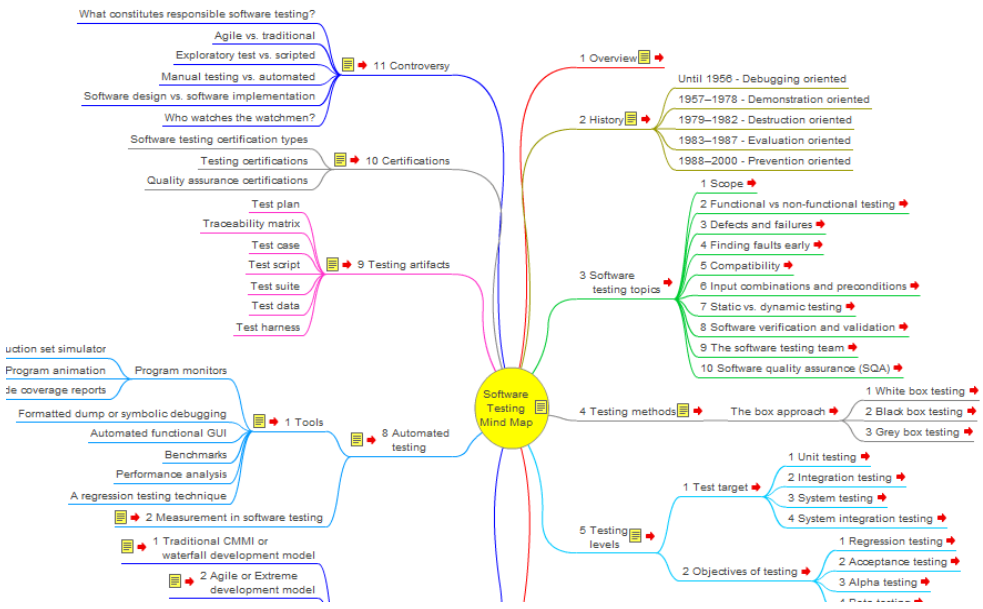
A Mind Map is a diagram for representing tasks, words, concepts, or items linked to and arranged around a central concept or subject using a non-linear graphical layout that allows the user to build an intuitive framework around a central concept. It can turn a long list of monotonous information into a colorful, memorable and highly organized diagram that works in line with your brains natural way of doing things. A Mind Map is an easy way to brainstorm thoughts organically without worrying about order and structure. It allows you to visually structure your ideas to help with analysis and recall. The Mind Map used for Data Warehousing and Data Mining class is shown in Figure.

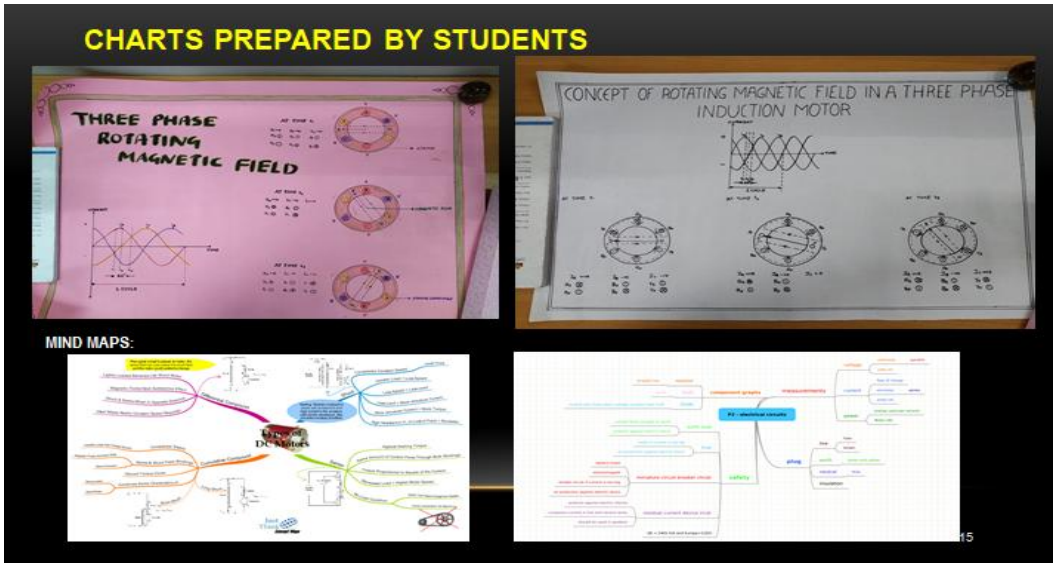
Unit 3 - Classification



The Mind Map used for Statistics with R Programming and Software Testing class is shown in Figure.





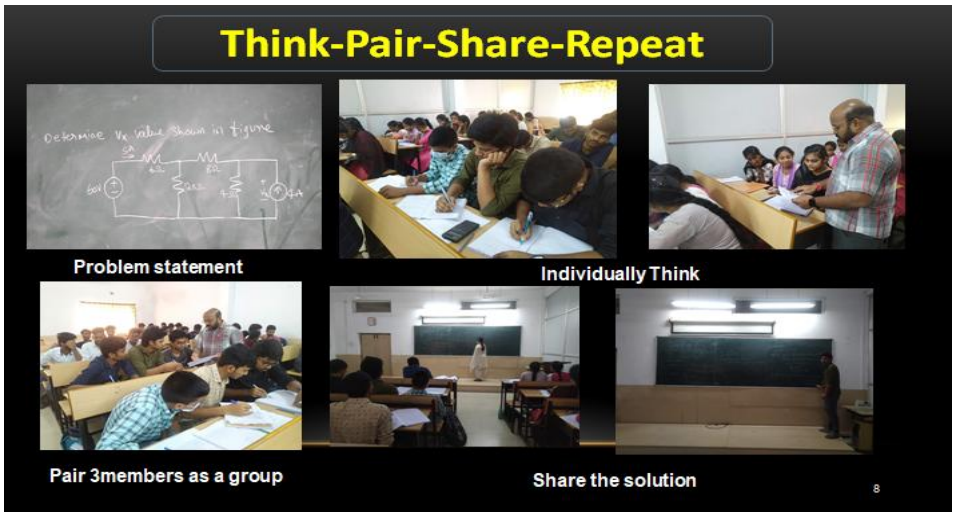


5. Think Pair Share

Think-Pair-Share (TPS) is a cooperative learning activity that can work in varied size classrooms and in any subject. Instructors pose a question, students first THINK to themselves prior to being instructed to discuss their response with a person sitting near them (PAIR)

Activity 1: Think Pair Share

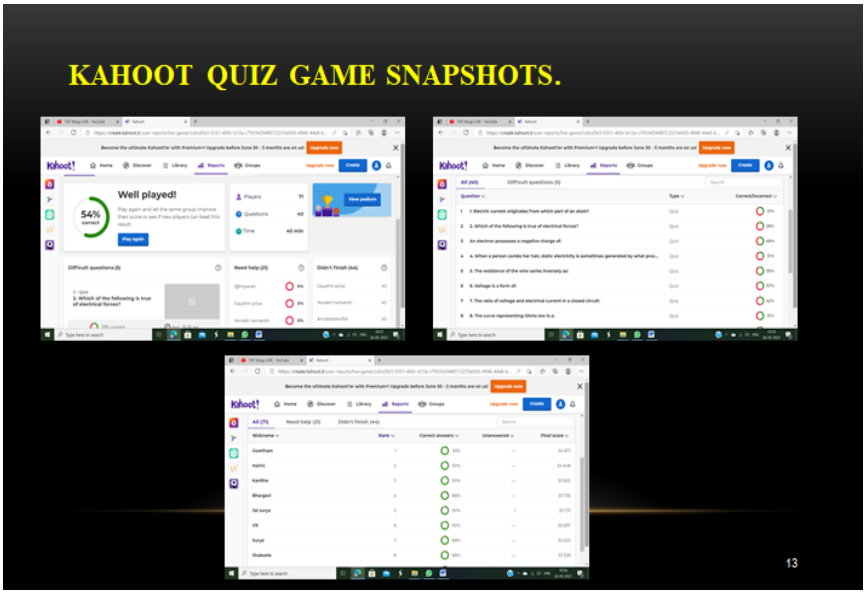
Activity-2: Think Pair Share Repeat



Activity-3: Practical Lab Approach

6. Kahoot Activity in Class room

Kahoot is a free game-based learning platform that makes it fun to learn – any subject, in any language, on any device, for all ages.



7. Weekend Activities

Co-curricular and extracurricular activities are conducted every weekend to motivate the students and to improve problem solving capabilities, leadership abilities in multidisciplinary, cooperation in team work, consciousness in professional ethics and administering critical situations. These activities include Webinar, Aptitude Training, Social Welfare Camp, Problem solving, Entrepreneurship Development Programs, Critical Thinking, Group Discussion, etc

Small – Group Discussions

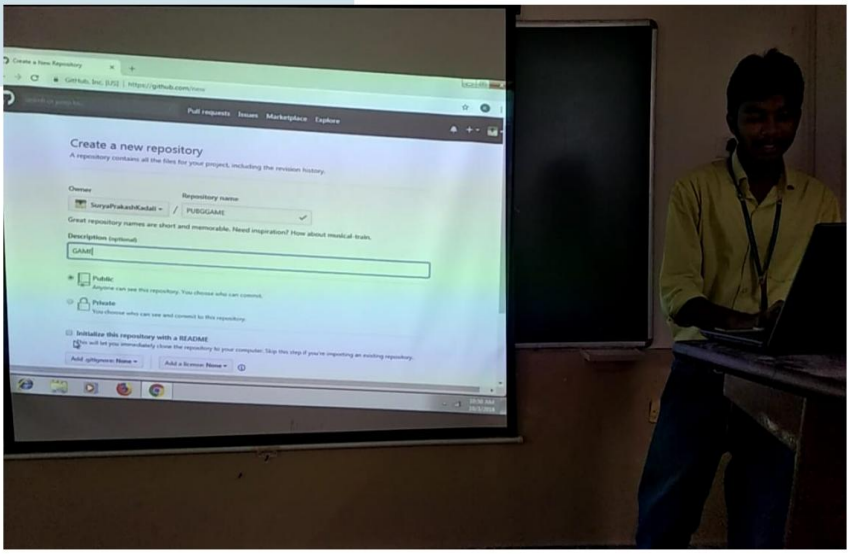
Technique Followed is :
A problem will be given and asked students to discuss various ways of solving it and presenting it.

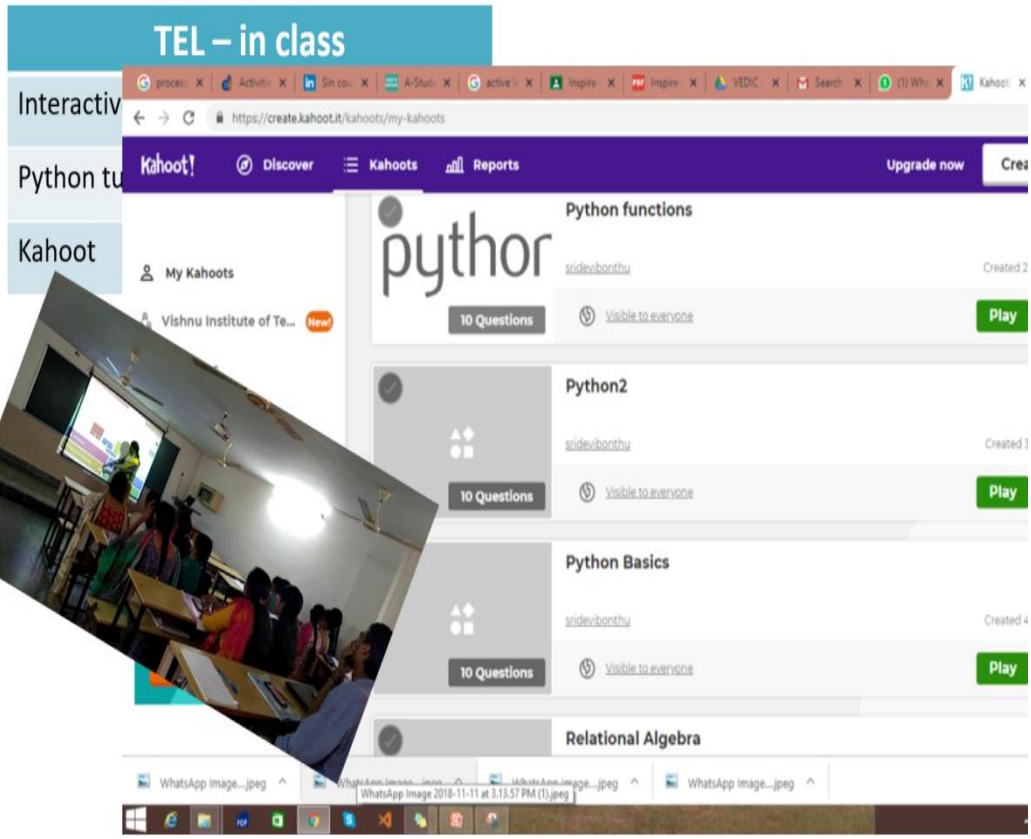
EG: A prime number program can be solved in general method , School method, Sieve method etc.

Students are even allowed to give problems to the rest of the class.

Seminars

Concentrated mainly on the applications of Python





II-I CSE(R20)
A & B

Instructions | Student work

LAB ACTIVITY-3 (SUBMIT ASSIGNMENT BY TOMORROW 5 PM)

Shyamala Madhuri CSE Faculty • Feb 14

50 points | Due Feb 15, 5:00 PM

1.
Ms Aparna is designing an app for her Android mobile. She needs to maintain the contact list (name and the corresponding phone number) in alphabetical order. She needs to display the first name in the list after the last name. Can you do it for her?

Test Case

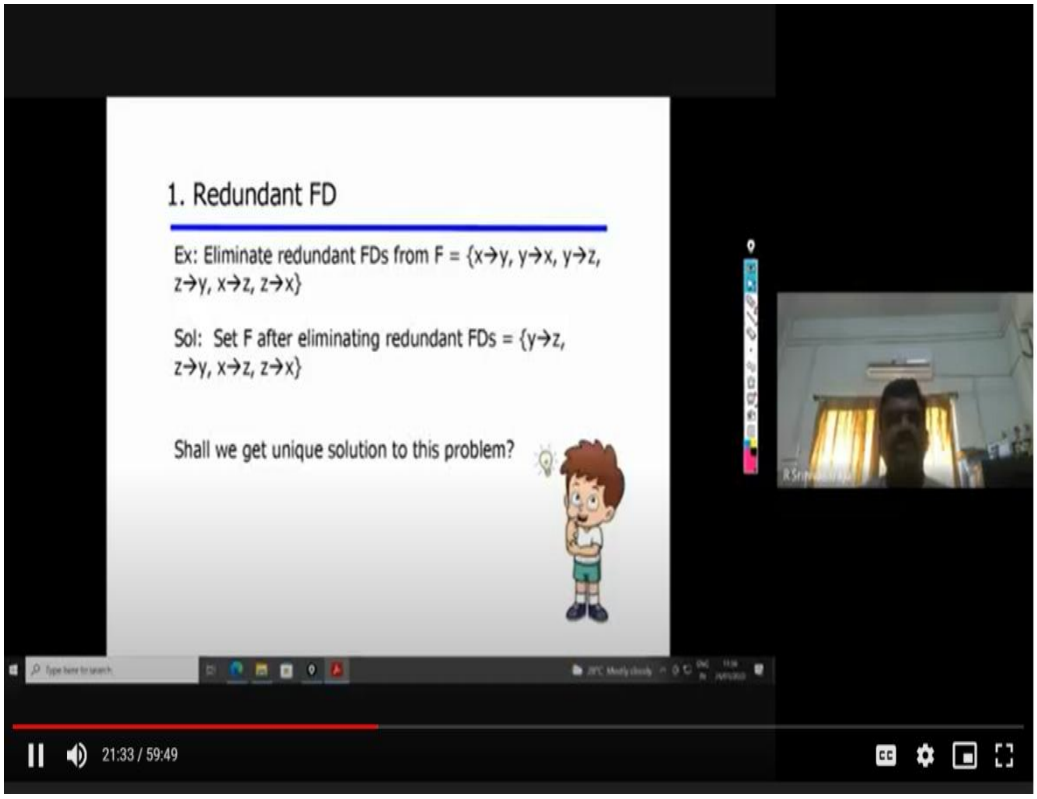
input = rama 9949403399

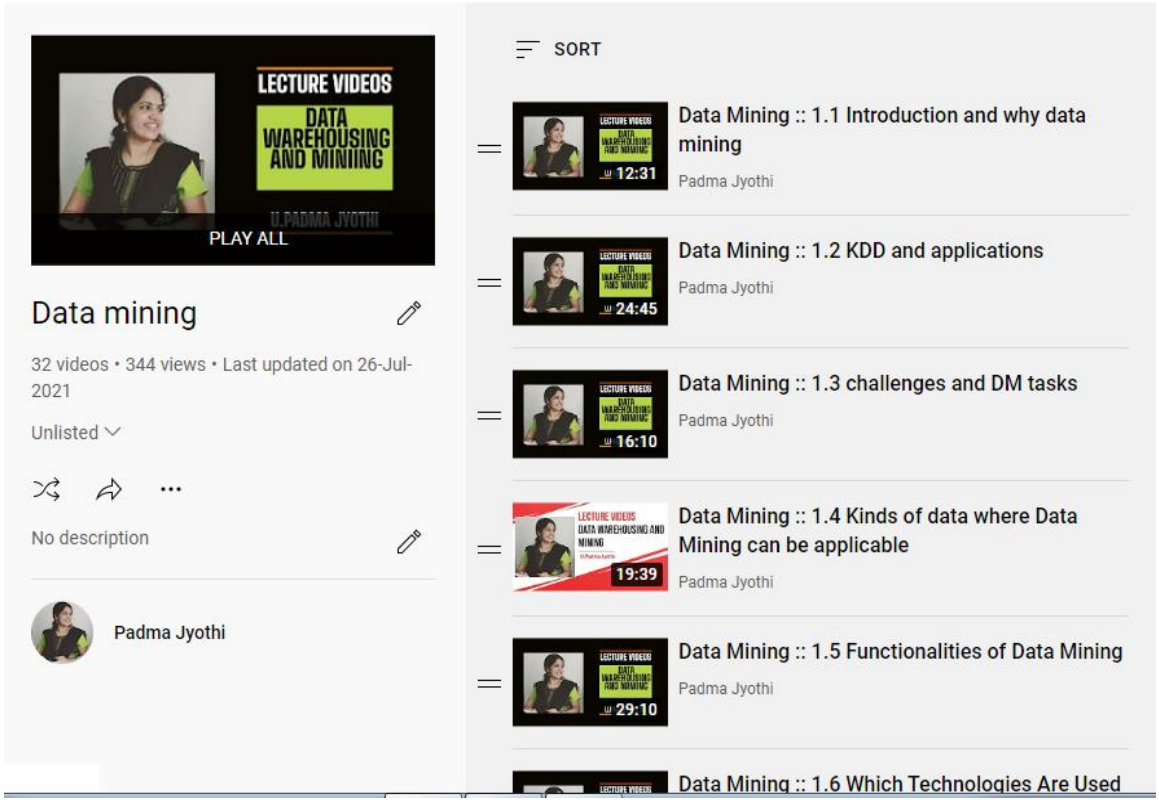
raju 4024241433

8. Project Based Learning

The CSE Department frames its curriculum in such a way that students acquire the skills to design and create complex Electronics systems through various activities including projects. Such projects often force students to use multiple learning techniques to succeed, which includes research, logical deduction, and iterative learning (trial and error). Since these projects are usually too large and complex for one student to do alone, project-based learning also tends to encourage teamwork. Project exhibitions are conducted in the department every year to enrich the project developing skills of the students.

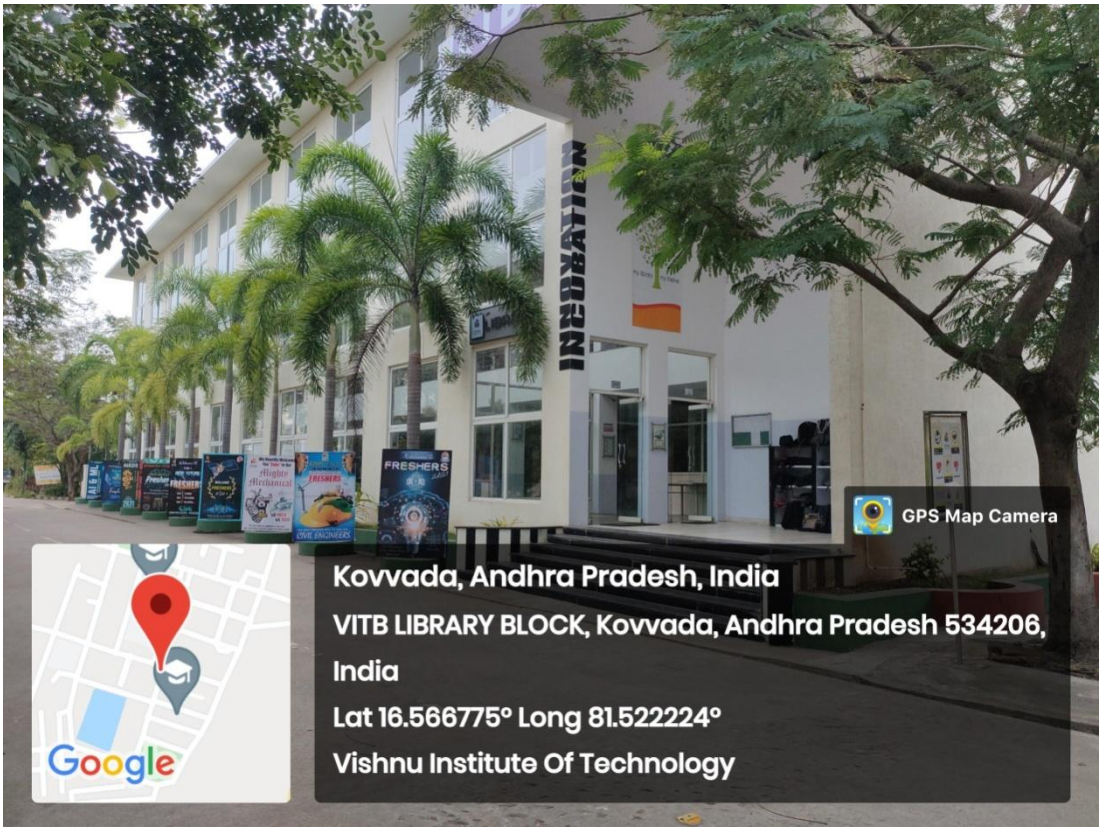
9. Lecture videos



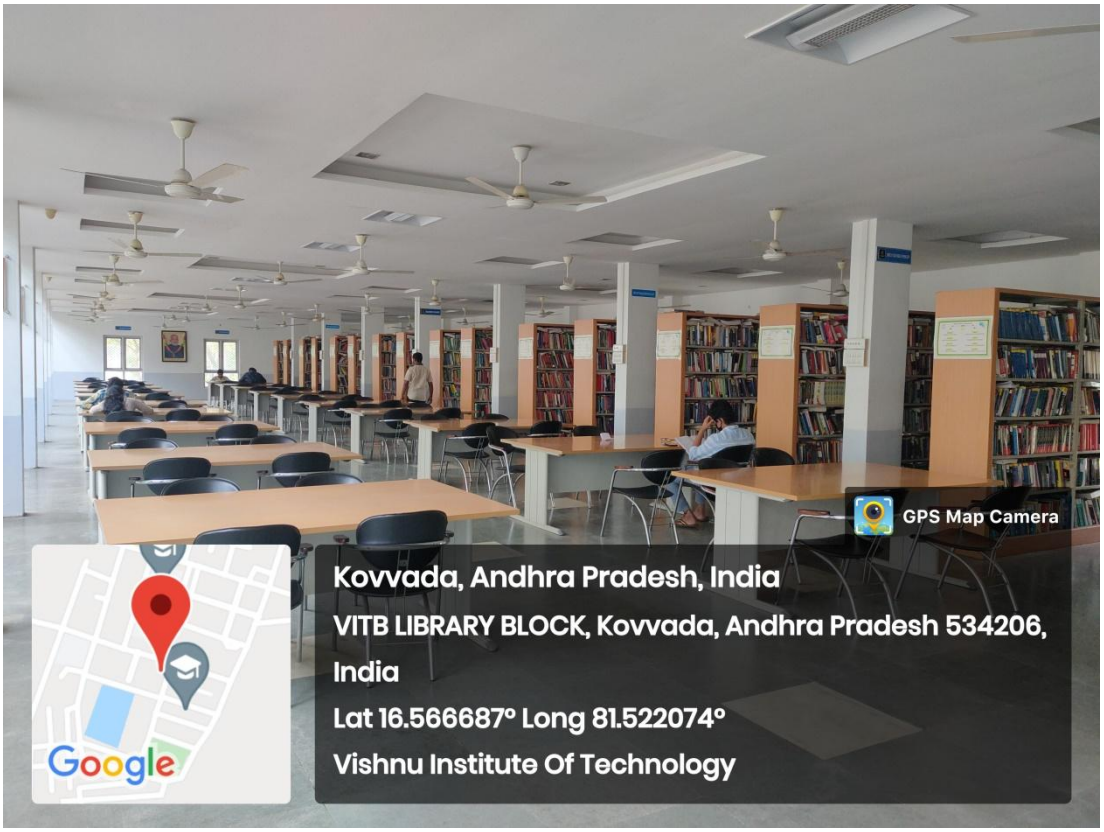


12. Library Facilities

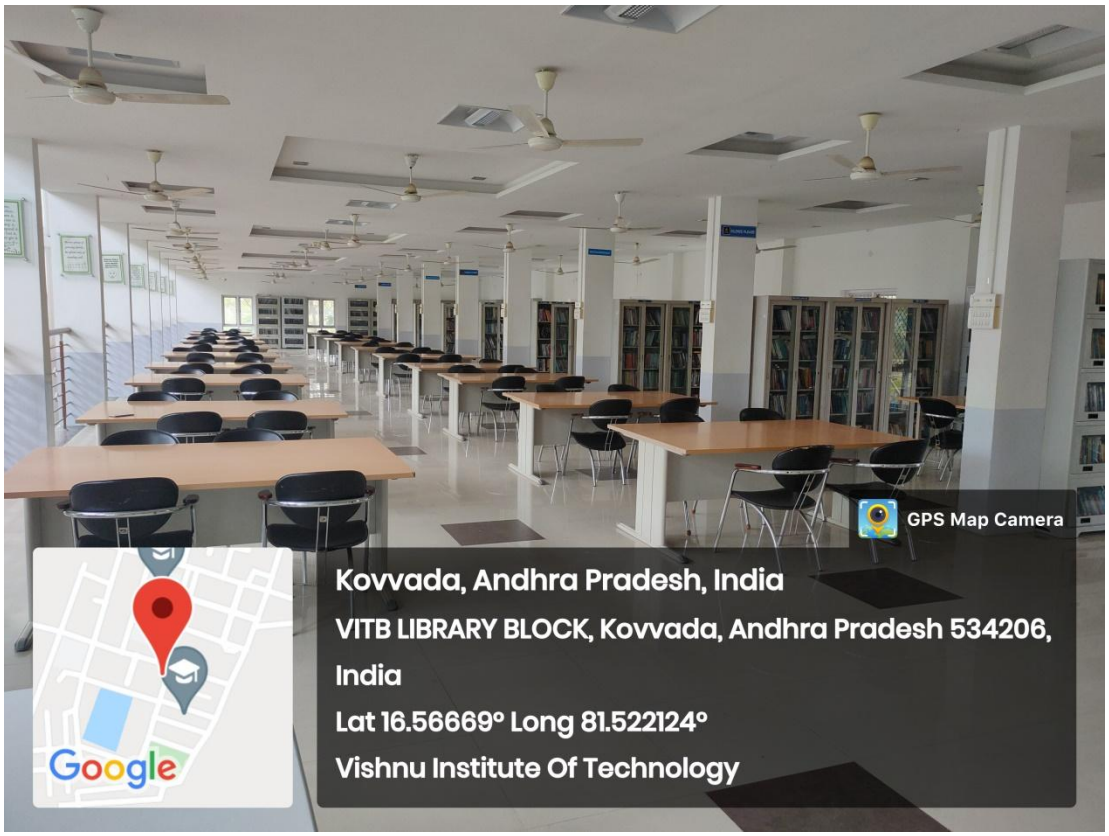
Central Library



Books in Library

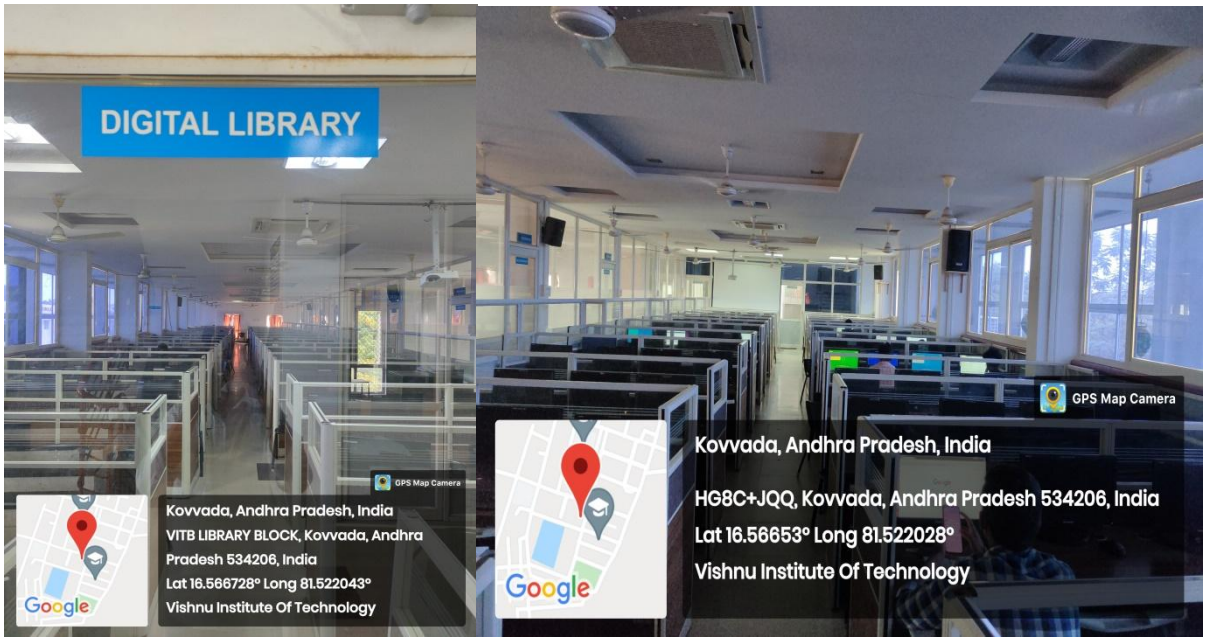


Reference Section in library

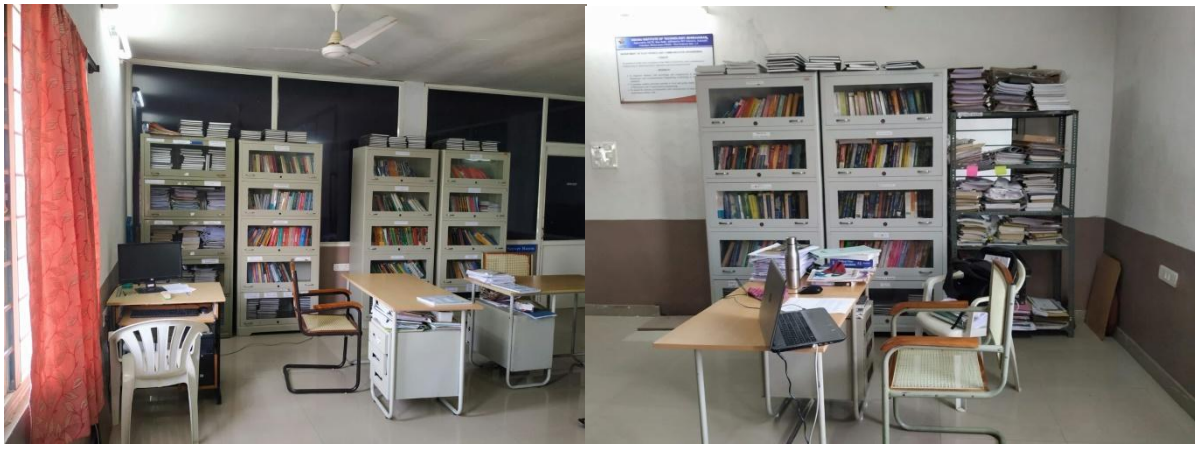


Periodicals and Journals

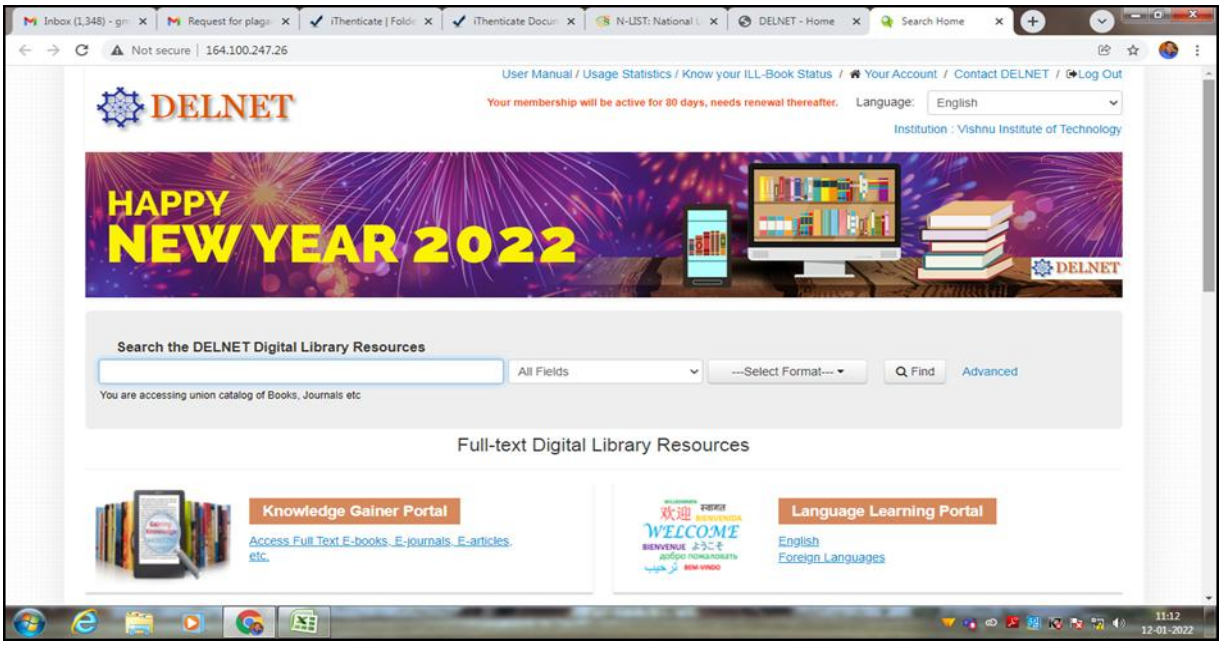
Digital Library



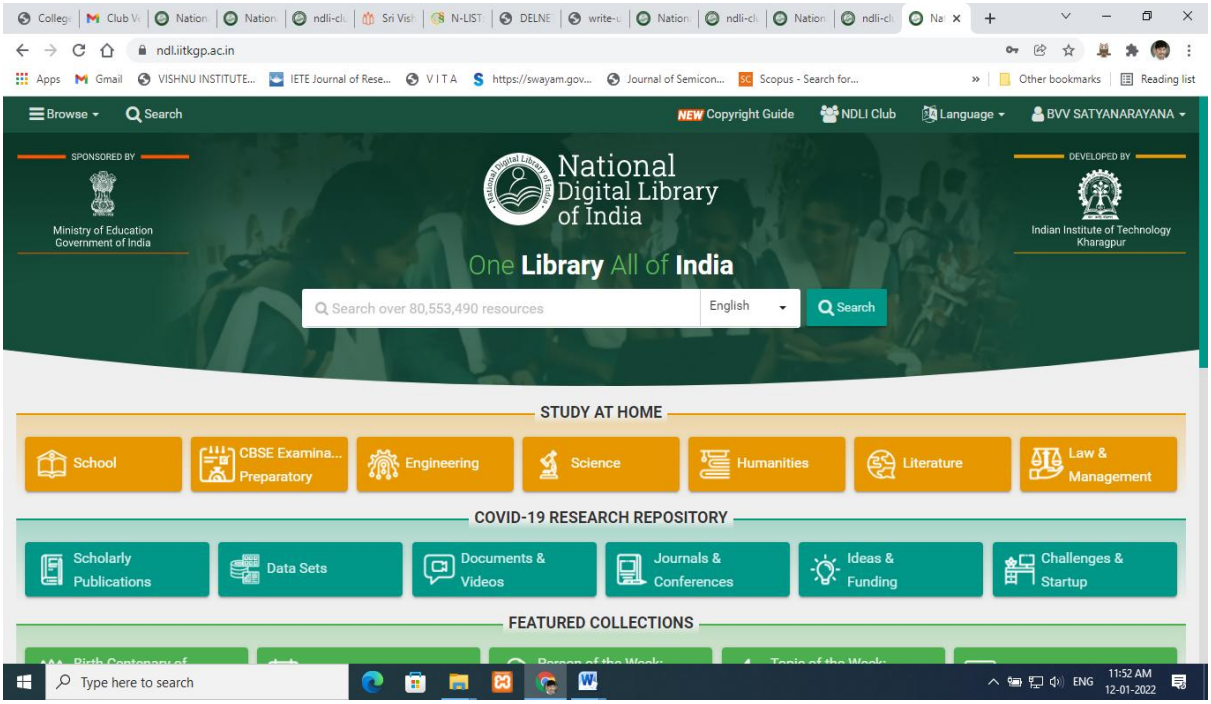
Department Library



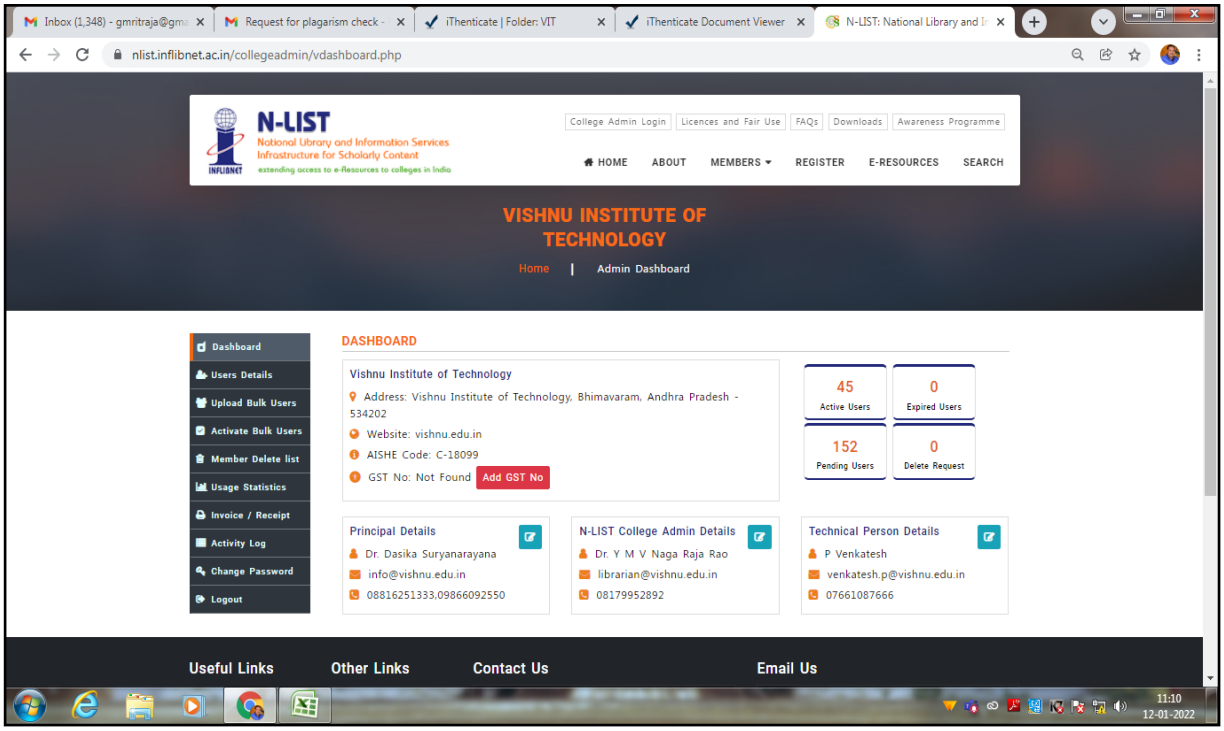
DELNET www.delnet.in



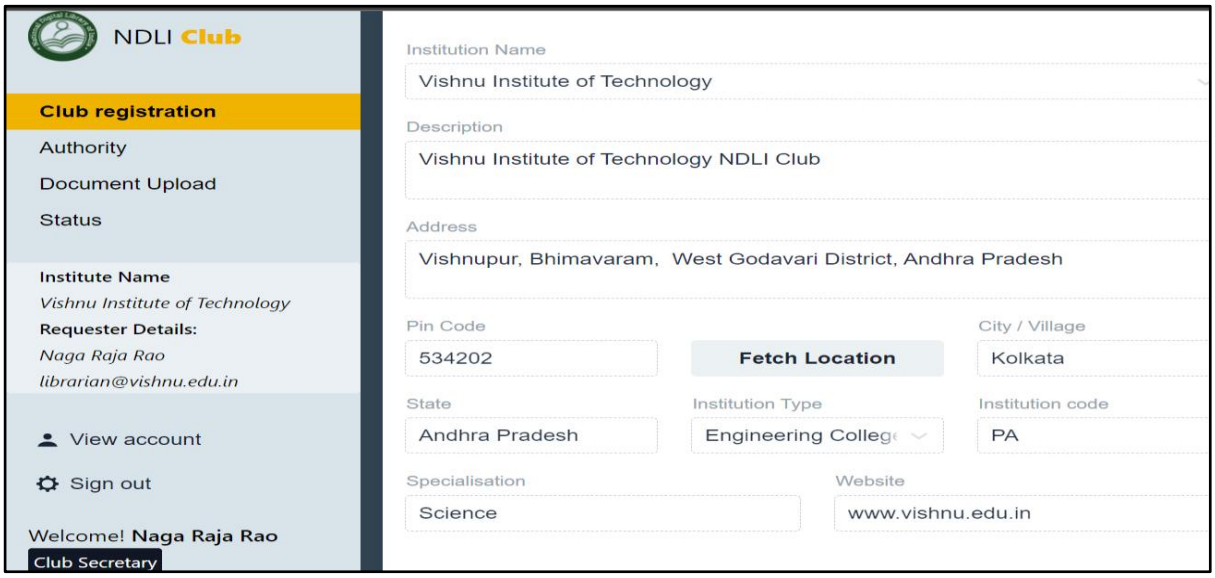
National Digital Library of India: https://ndl.iitkgp.ac.in/



N-List Programme: http://nlist.inflibnet.ac.in



NDLI Club:https://nlist.inflibnet.ac.in/veresources.php

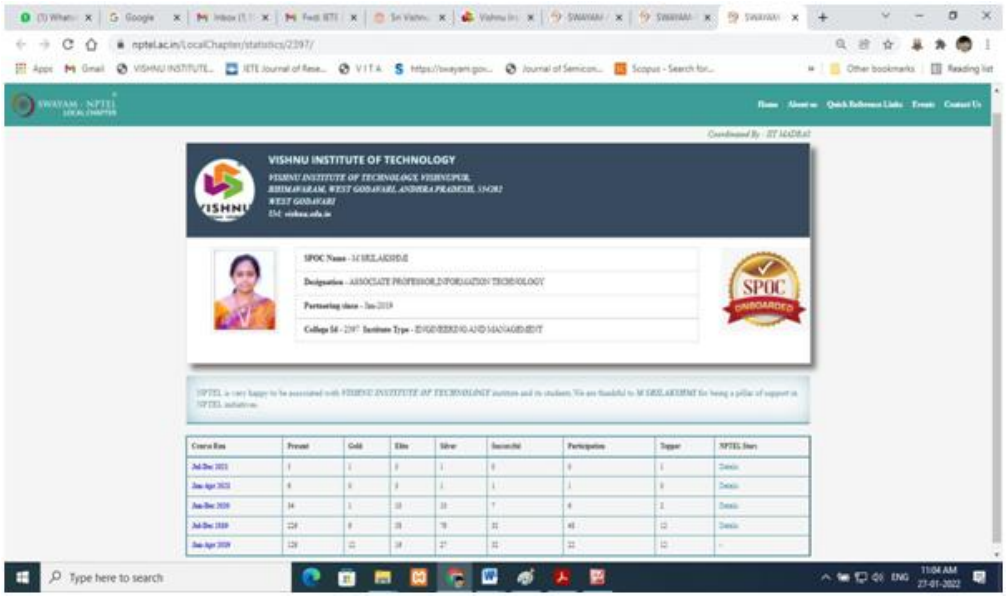


13. Online Courses

Add on Coursesand MOOC

Programs NPTEL

https://nptel.ac.in/LocalChapter/statistics/2397/



Faculty members and students undergo online courses from the sources like Coursera, Edx, NPTEL, Spoken tutorial, etc. in their area of interest. This helps them to enrich their knowledge on current trends and also to equip themselves with inter-domain expertise. They are certified by the National and International universities and are motivated towards lifelong learning. Online courses also provide forum for discussion among the experts and students worldwide.

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

Roll No: NPTEL19CS41S61160137

To
ARLA LAKSHMANA RAO
2-7
REGILAPADU,TCHRPALEM
WEST GODAVARI
ANDHRA PRADESH
534462
PH. NO :6302794256

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

TOP TOPPER 5%

This certificate is awarded to

ARLA LAKSHMANA RAO

for successfully completing the course

The Joy of Computing Using Python

with a consolidated score of **90** %

Online Assignments	24.75/25	Programming Exam	25/25	Proctored Exam	40/50

Total number of candidates certified in this course: **8505**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Oct 2019
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL19CS41S61160137

To validate and check scores: https://nptel.ac.in/noc

LEARNING WITHOUT LIMITS · coursera · SPECIALIZATION CERTIFICATE

4 Courses

- **AWS Fundamentals: Going Cloud-Native**
- **AWS Fundamentals: Addressing Security Risk**
- **AWS Fundamentals: Migrating to the Cloud**
- **AWS Fundamentals: Building Serverless Applications**

aws

Sep 18, 2020

Shyamala Madhuri Yerra

AWS Fundamentals

has successfully completed the online, non-credit Specialization

AWS Fundamentals

In this Specialization, learners gained proficiency in essential concepts, services, and use cases within the Amazon Web Services (AWS) cloud ecosystem, including core AWS services and key AWS security concepts. The Specialization also covered fundamental strategies for planning and migrating existing workloads to AWS and how to build and deploy serverless applications with AWS. Learners are given opportunities to solidify their understanding by engaging in various hands-on labs and exercises throughout the Specialization.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
coursera.org/verify/specialization/ELJJPCQJ7F84

COURSE
CERTIFICATE

Nov 19, 2021

PILLI SHYAMALA MADHURI

has successfully completed

Cybersecurity Roles, Processes & Operating System Security

an online non-credit course authorized by IBM and offered through Coursera

Coreen Ryskamp
Program Manager
IBM Security Learning Services

Verify at coursera.org/verify/VMXXKEGWKPD8

Coursera has confirmed the identity of this individual and their participation in the course.

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

Roll No: NPTEL20CS35S1037429

To
P.SHYAMALA MADHURI
41023, KAPULAPETA,NEAR SBI BANK,UNDI
UNDI
WEST GODAVARI
ANDHRA PRADESH - 534199
PH. NO :9292403349

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

Covid-19 impacted January 2020 semester

This certificate is awarded to

P.SHYAMALA MADHURI

for passing the course

The Joy of Computing using Python

*with Score** **96** %

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Apr 2020
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

*Continuous online assessment score

To validate and check scores: https://nptel.ac.in/noc

kaggle

CERTIFICATE OF COMPLETION

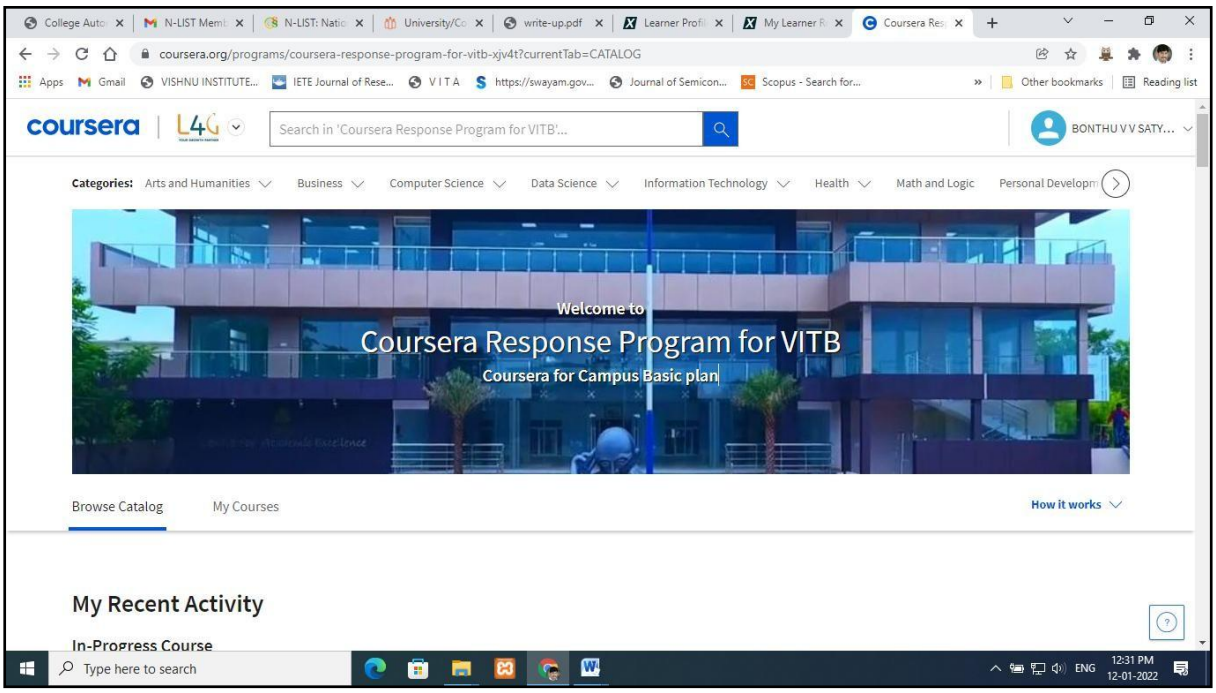
Shyamala Madhuri

HAS SUCCESSFULLY COMPLETED THE COURSE

Intro to Machine Learning

ON OCTOBER 1, 2021

DAN BECKER, KAGGLE INSTRUCTOR

ALEXIS COOK, HEAD OF KAGGLE LEARN

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