

# VISHNU INSTITUTE OF TECHNOLOGY::BHIMAVARAM

## (AUTONOMOUS)

### ICT Enabled Tools

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

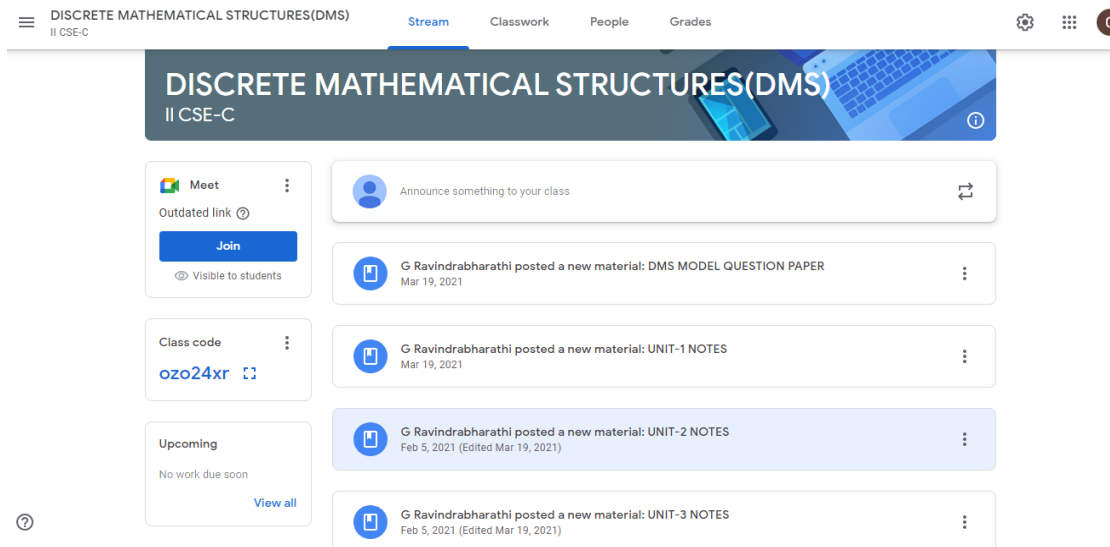
#### 1. Interactive Classrooms

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.

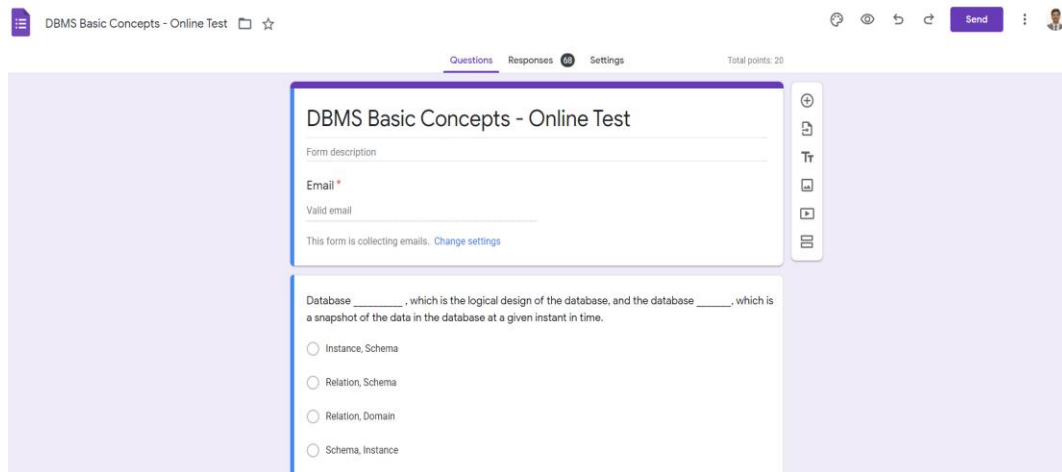


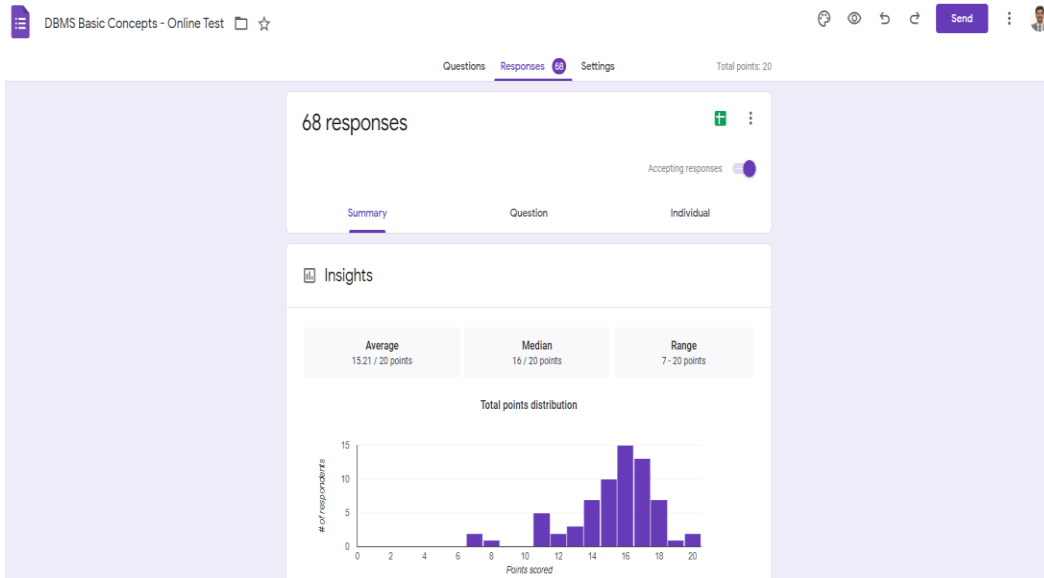
## Google classroom

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/>

VIT

Database Management Systems

Dashboard / My courses / DBMS\_262\_848 Turn editing on

Announcements

- DBMS Question Bank (Part-2)
- DBMS Question Bank (Part-2) simplified

This is the question bank after excluding 3 questions from the previous question bank (part-2)

DBMS Lab

- PL/SQL Introduction, Ex Programs - Decision Making, Loops   
Link to the recorded DBMS Lab Session (09-Feb-2022, 4th Hour)
- Oracle Built in Functions, User defined functions & Procedures   
Link to the recorded DBMS Lab Session on 17-Feb-2022

DBMS (Theory) Syllabus



## Student Activity Completion

First name / Surname	Email address	State	Started on	Completed	Time taken	Grade/10.00	Q.1 /0.33	Q.2 /0.33	Q.3 /0.33	Q.4 /0.33	Q.5 /0.33	Q.6 /0.33	Q.7 /0.33	Q.8 /0.33	Q.9 /0.33	Q.10 /0.33	Q.11 /0.33	Q.12 /0.33	Q.13 /0.33
REDDY MESHANA	20pala05e0@vishnu.edu.in	Finished	8 February 2022 3:25 PM	8 February 2022 3:45 PM	20 mins 40 secs	8.00	✓ 0.33	✓ 0.33	✗ 0.00	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33
SANKURU SAILAJA DEVI	20pala05e4@vishnu.edu.in	Finished	8 February 2022 3:25 PM	8 February 2022 3:53 PM	28 mins 11 secs	8.00	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✗ 0.00	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✗ 0.00
TADALA VEERA BHARGAVI	20pala05g3@vishnu.edu.in	Finished	8 February 2022 3:25 PM	8 February 2022 3:51 PM	25 mins 33 secs	10.00	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33
SEETHALA JYOTHI SWARUP	20pala05o7@vishnu.edu.in	Finished	8 February 2022 3:25 PM	8 February 2022 3:40 PM	14 mins 8 secs	7.67	✓ 0.33	✓ 0.33	✗ 0.00	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33
SUDARSI AMAN SNOHITH	20pala05g2@vishnu.edu.in	Finished	8 February 2022 3:28 PM	8 February 2022 3:57 PM	31 mins	6.33	✓ 0.33	✓ 0.33	✓ 0.33	✗ 0.00	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✗ 0.00	✗ 0.00	✓ 0.33	✓ 0.33
TORAM RAJEEV AKHIL	20pala05h2@vishnu.edu.in	Finished	8 February 2022 3:28 PM	8 February 2022 3:49 PM	23 mins 39 secs	9.67	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✗ 0.00
TALABHAKTHULA GOWRI SANKAR	20pala05g4@vishnu.edu.in	Finished	8 February 2022 3:28 PM	8 February 2022 3:51 PM	25 mins 14 secs	9.67	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33
SATTI SUMASRI	20pala05e8@vishnu.edu.in	Finished	8 February 2022 3:28 PM	8 February 2022 3:55 PM	29 mins 34 secs	9.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✗ 0.00	✓ 0.33	0.00	0.00	0.00	0.00
TALLA GANESH			8 February		27		✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33	✓ 0.33

### 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



Edpuzzle assignment results page. The table shows student names, progress bars, and submission status.

STUDENT NAME	WATCHED	GRADE	seen	in	
annam, kowshik	<div style="width: 100%;"></div>	-	Never	Not turned in	⋮
CHAITANYA SAI SHANKAR KUMAR, ...	<div style="width: 100%;"></div>	-	Never	Not turned in	⋮
CHANDANSAI, POLAKU	<div style="width: 100%;"></div>	-	Never	Not turned in	⋮
GEETANAGARAJU, GUTTI	<div style="width: 100%;"></div>	-	Never	Not turned in	⋮
Kolli, Sriram Prakash	<div style="width: 100%;"></div>	-	Never	Not turned in	⋮
NAGADURGARAO, KOPPISETTI	<div style="width: 100%;"></div>	-	Never	Not turned in	⋮

Share assignment  
Reset all answers  
Export results  
Delete assignment

Edpuzzle 'My Classes' page for 'DATA STRUCTURES'. It shows a table of assignments.

Assignment	Due date	Turned in
Stacks and queues: the basics	Jan, 7th	0 of 19

Import from Google Classroom

Edpuzzle 'My Content' page for 'DATA STRUCTURES'. It displays video thumbnails.

My Content > DATA STRUCTURES

Search in folder:  Sort by date:

Videos

<p>06:16 Copy of 23 AQA ALevel Stacks ...</p>	<p>04:56 OCR ALevel Data Structures P...</p>
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**Welcome!**  
Click on a word to begin/continue.

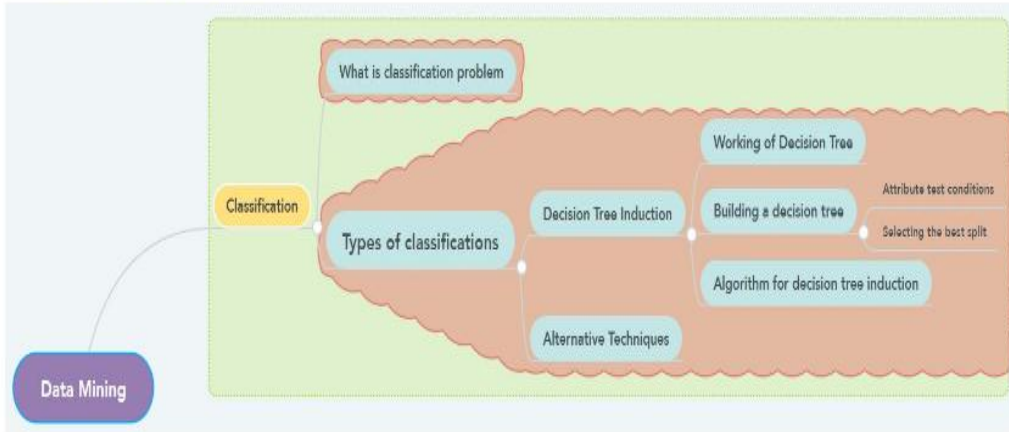
[Check crossword](#)   [End of crossword game](#)   [Print](#)

**Across**  
7: ----- is any technique for creating images, diagrams, or animations to communicate a message.

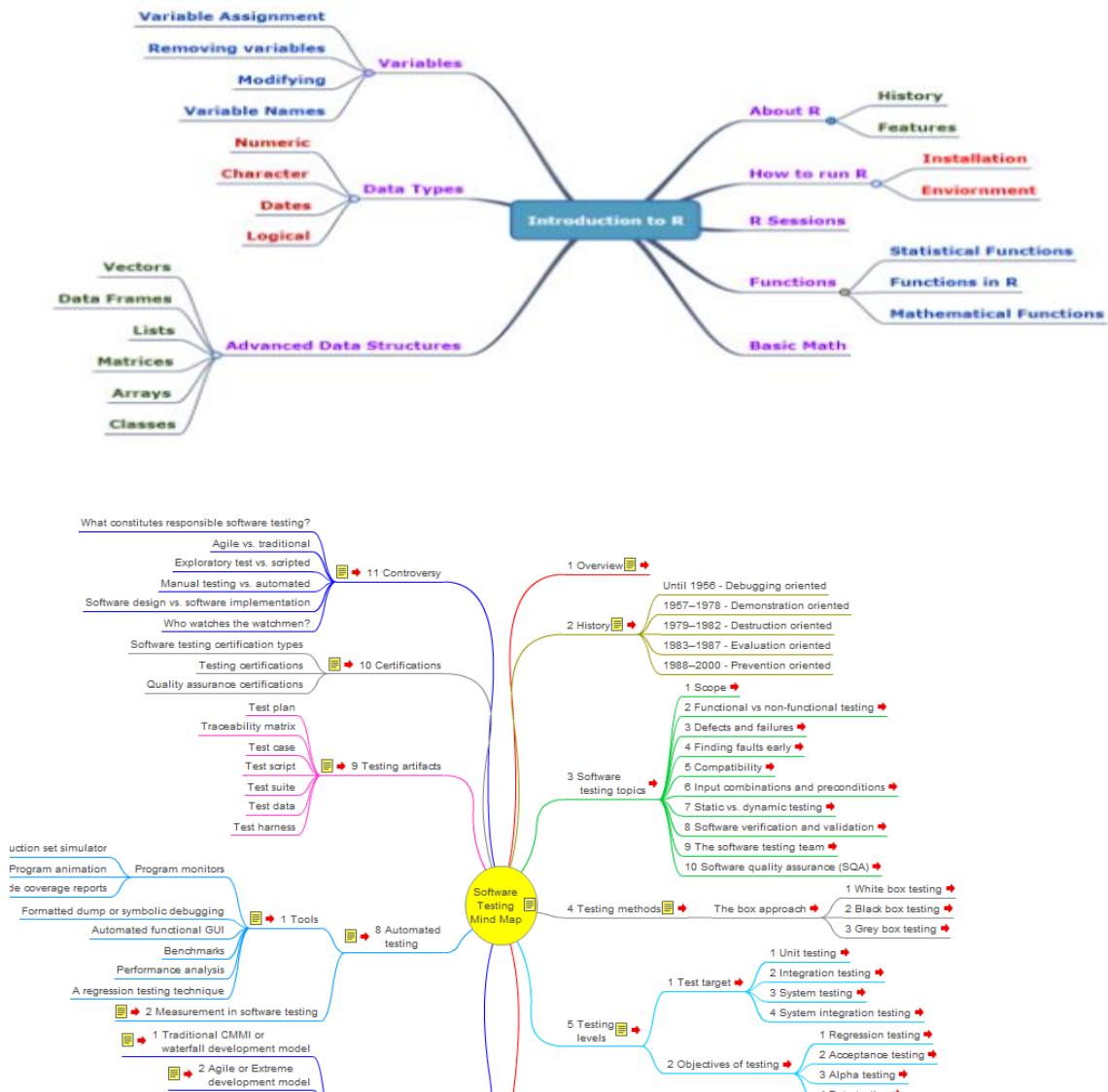
#### 4. Mind Map

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.

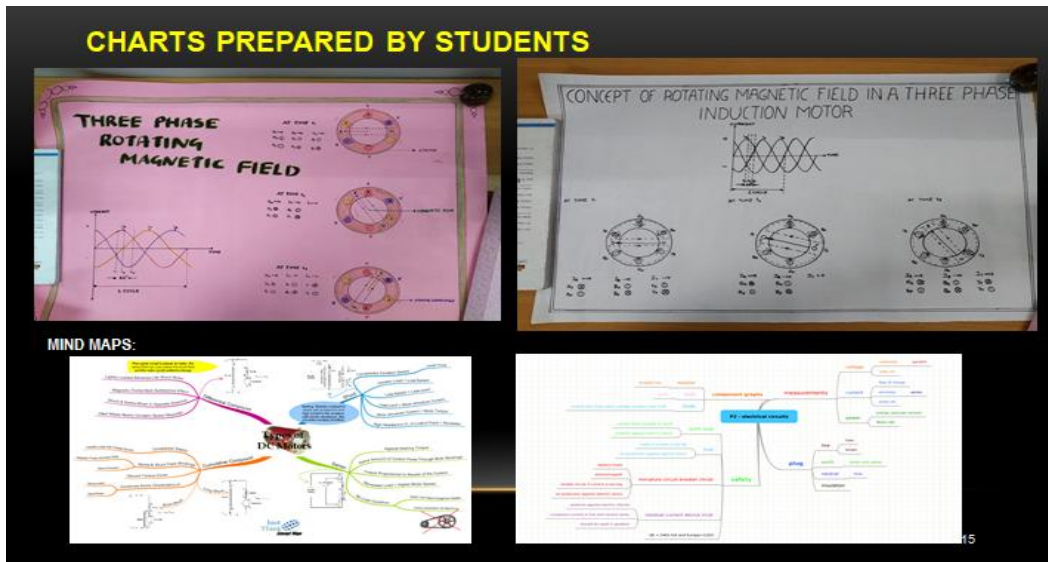
# Unit 3 - Classification



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







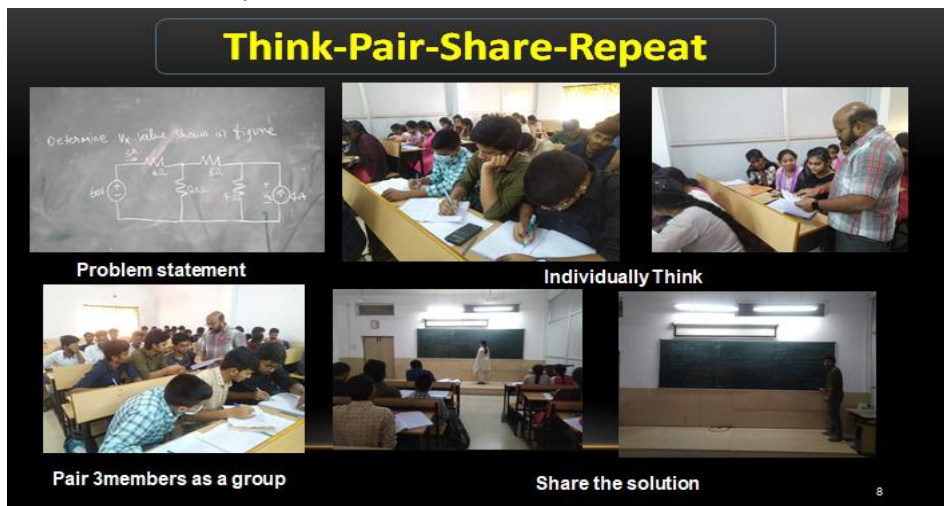
## 5. Think Pair Share

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

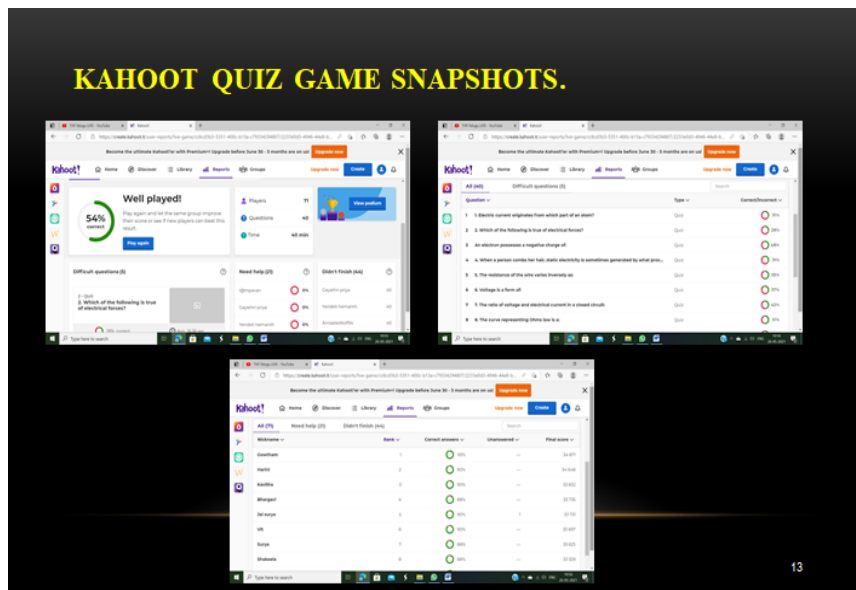


### Activity-3: Practical Lab Approach



### 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.

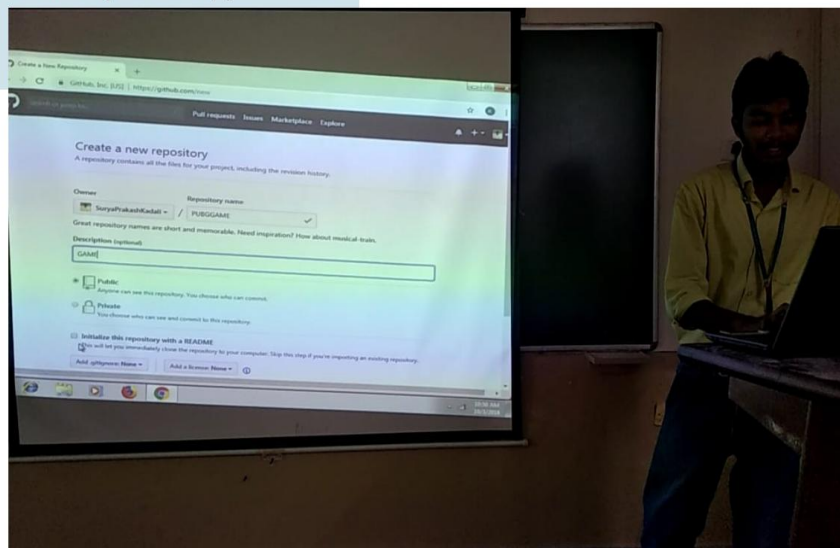
EG: A prime number program can be solved in general method , School method, Sieve method etc.

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



## Seminars

Concentrated mainly on the applications of Python



**TEL – in class**

Interactiv  
Python tu  
Kahoot

My Kahoots  
Vishnu Institute of Te...

Python functions  
sidevibonthu  
Created 2  
10 Questions  
Visible to everyone  
Play

Python2  
sidevibonthu  
Created 1  
10 Questions  
Visible to everyone  
Play

Python Basics  
sidevibonthu  
Created 4  
10 Questions  
Visible to everyone  
Play

Relational Algebra

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?

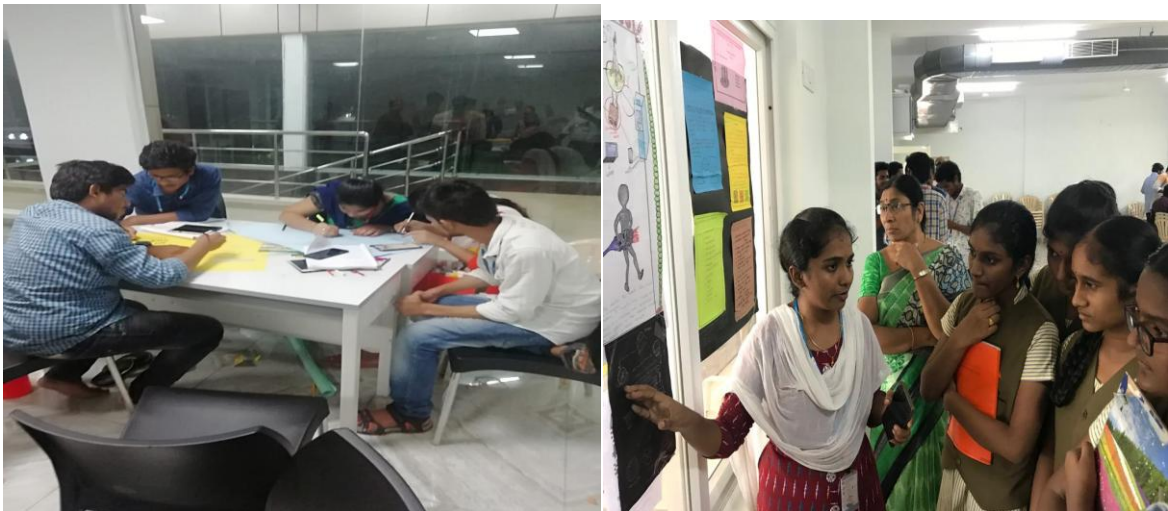
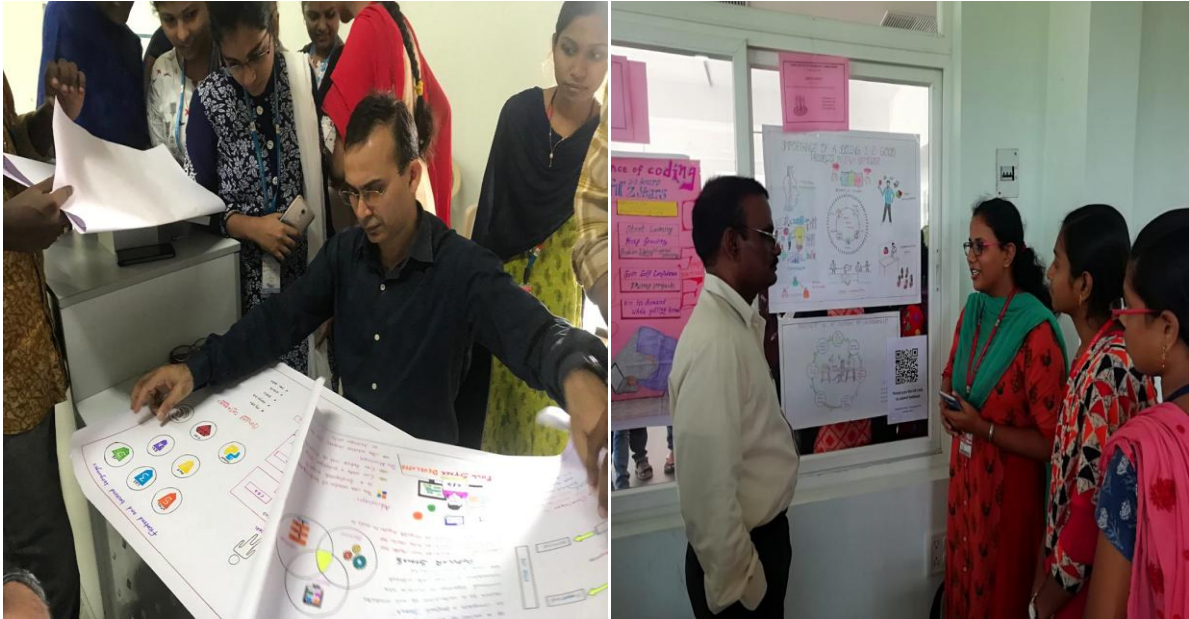
Test Case

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

1. Redundant FD

Ex: Eliminate redundant FDs from  $F = \{x \rightarrow y, y \rightarrow x, y \rightarrow z, z \rightarrow y, x \rightarrow z, z \rightarrow x\}$

Sol: Set F after eliminating redundant FDs =  $\{y \rightarrow z, z \rightarrow y, x \rightarrow z, z \rightarrow x\}$

Shall we get unique solution to this problem?

21:33 / 59:49

**LECTURE VIDEOS**  
**DATA WAREHOUSING AND MINING**  
U. PADMA JYOTHI  
PLAY ALL

### Data mining

32 videos • 344 views • Last updated on 26-Jul-2021

Unlisted

No description

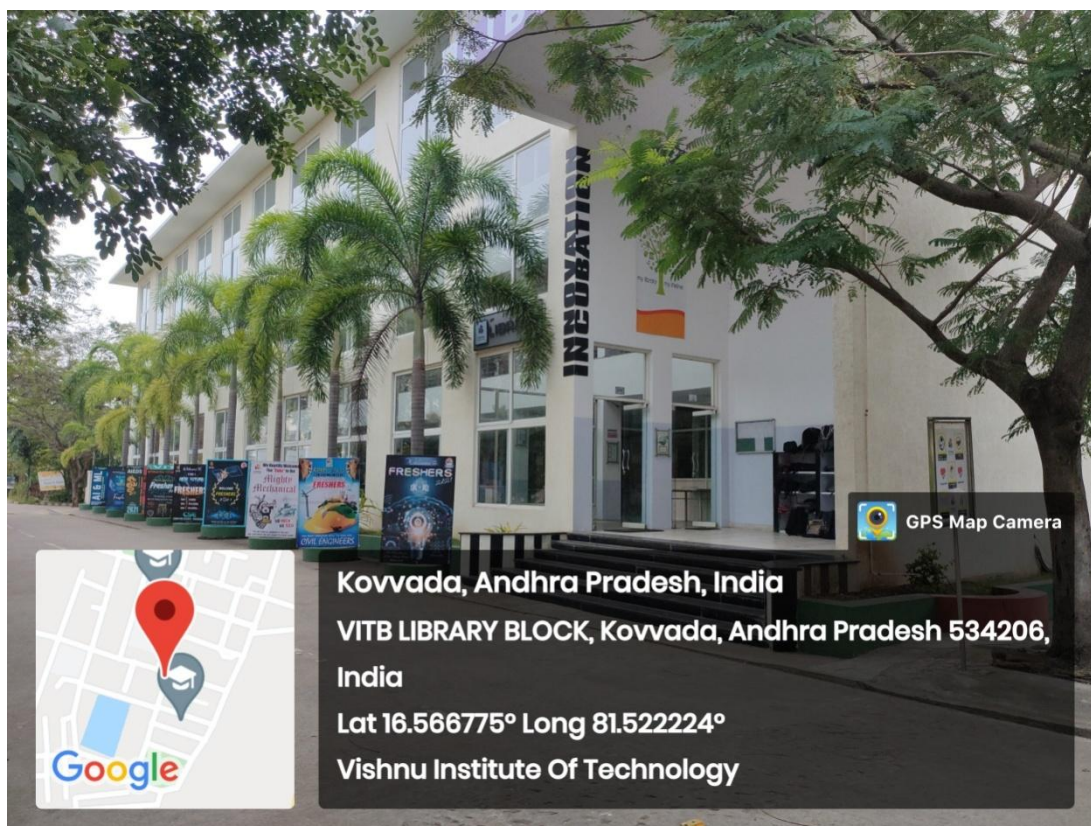
Padma Jyothi

**SORT**

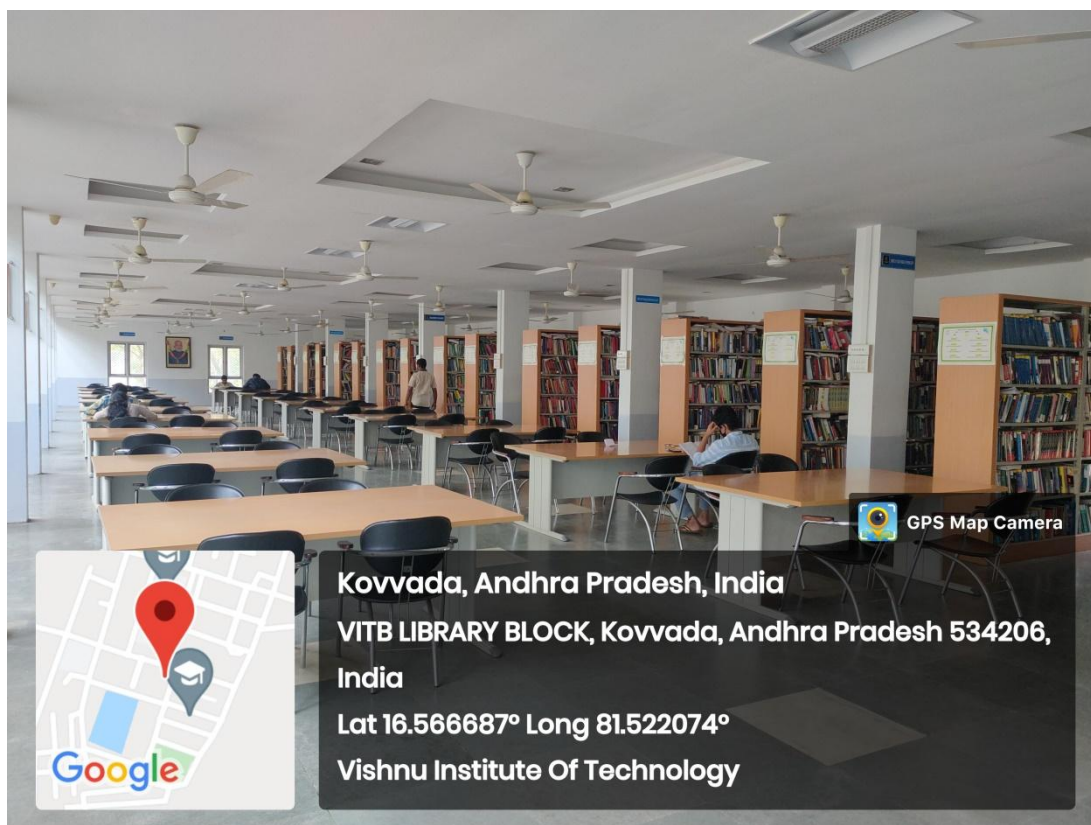
- Data Mining :: 1.1 Introduction and why data mining**  
12:31  
Padma Jyothi
- Data Mining :: 1.2 KDD and applications**  
24:45  
Padma Jyothi
- Data Mining :: 1.3 challenges and DM tasks**  
16:10  
Padma Jyothi
- Data Mining :: 1.4 Kinds of data where Data Mining can be applicable**  
19:39  
Padma Jyothi
- Data Mining :: 1.5 Functionalities of Data Mining**  
29:10  
Padma Jyothi
- Data Mining :: 1.6 Which Technologies Are Used**

## 12. Library Facilities

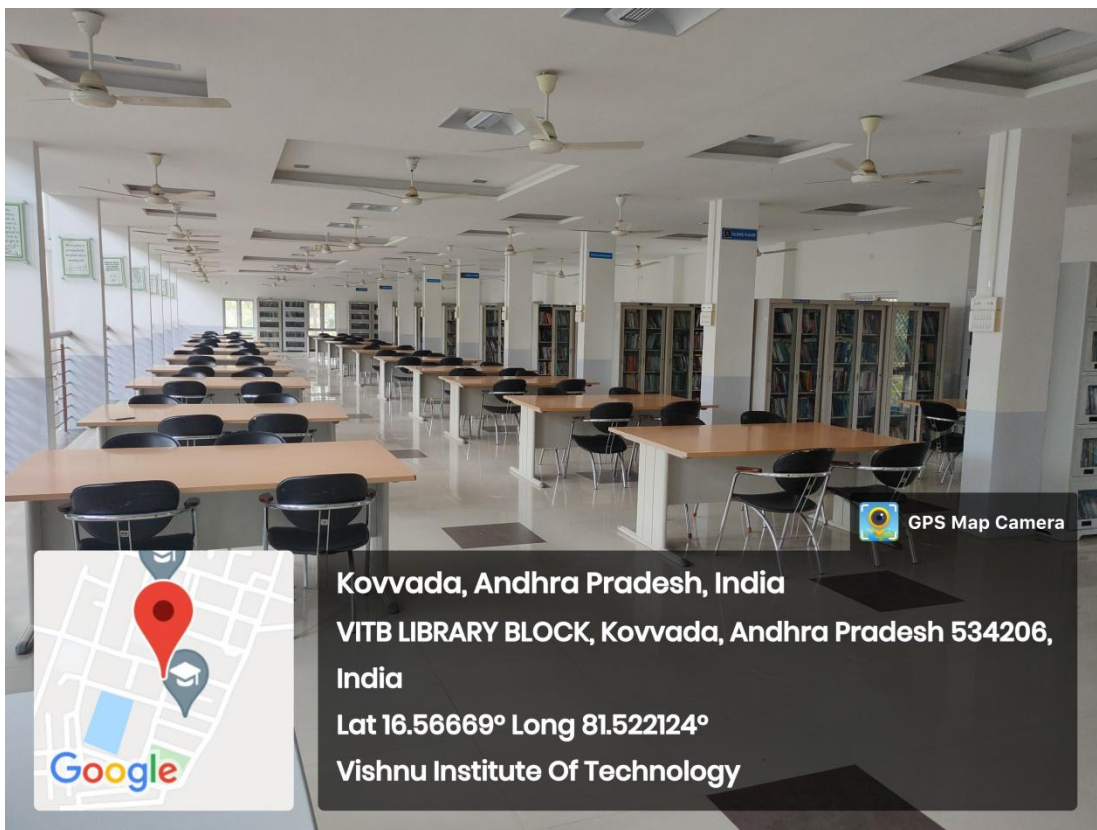
### Central Library



### Books in Library



## Reference Section in library

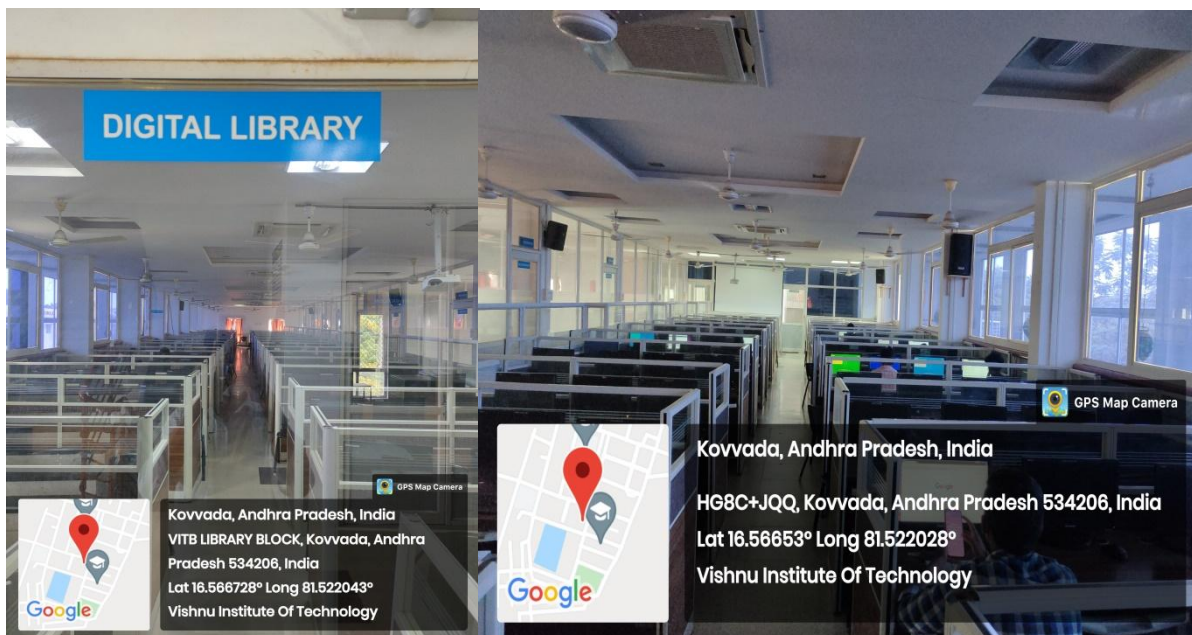


## Periodicals and Journals





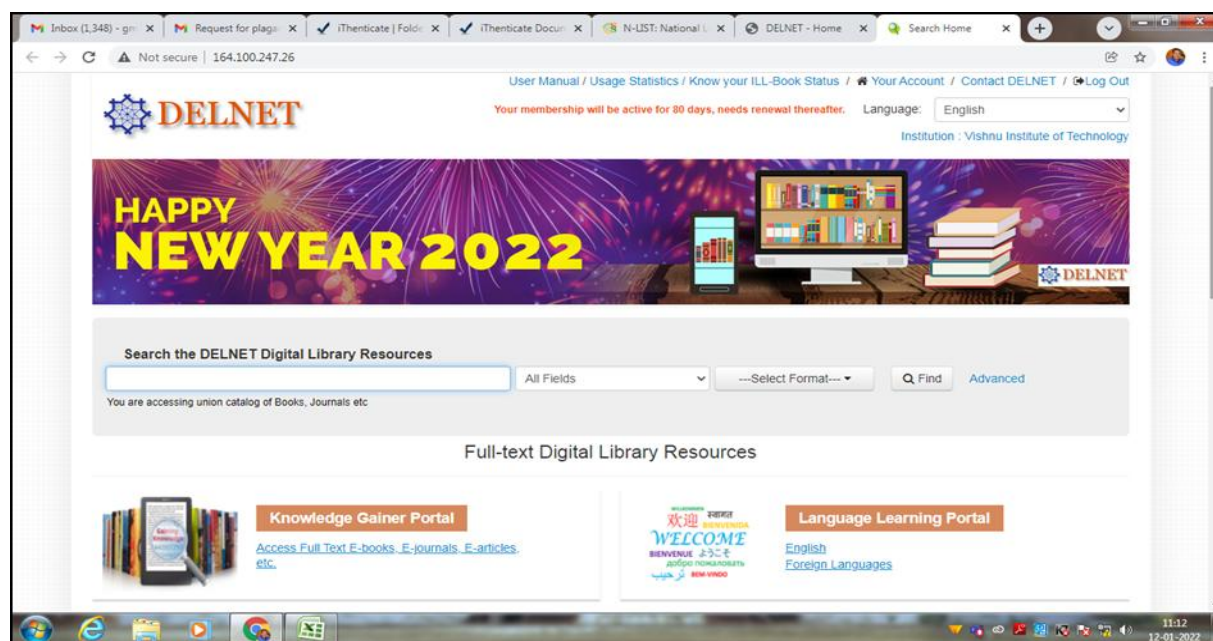
## Digital Library



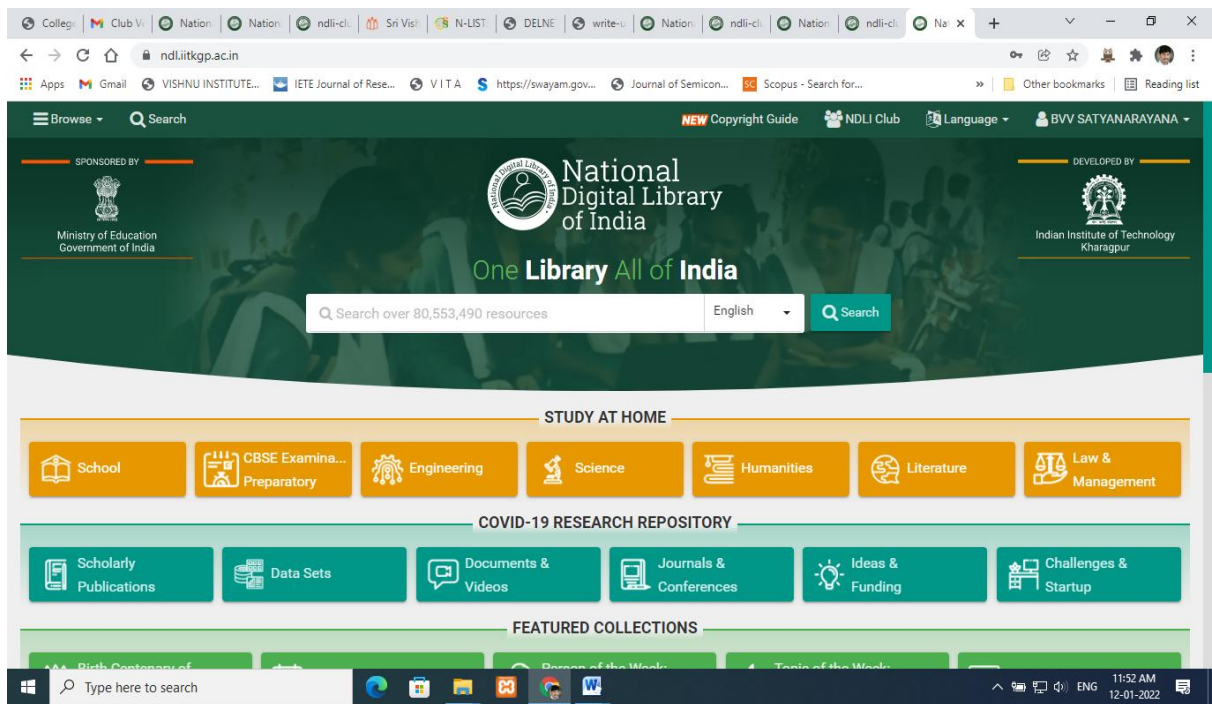
## Department Library



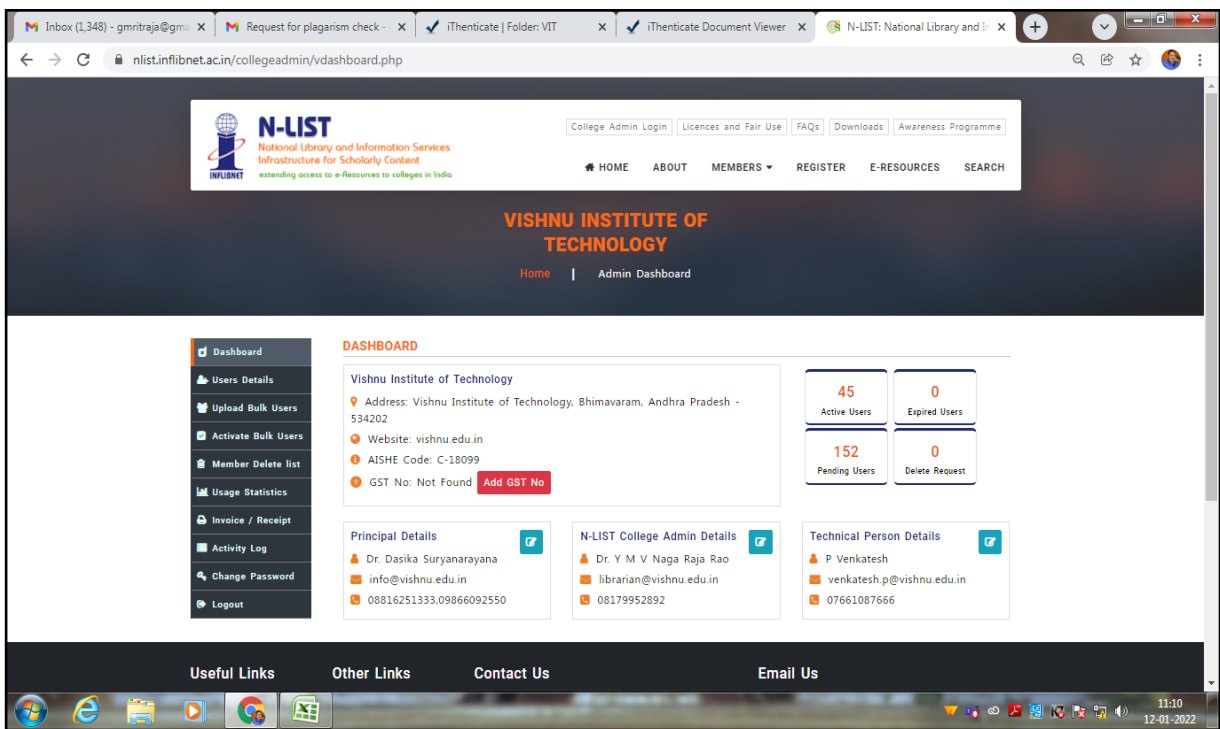
## DELNET [www.delnet.in](http://www.delnet.in)



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>

The screenshot shows the NDLI Club registration interface. On the left is a sidebar with the NDLI Club logo and navigation options: Club registration, Authority, Document Upload, Status, View account, and Sign out. The main area contains a registration form with the following fields: Institution Name (Vishnu Institute of Technology), Description (Vishnu Institute of Technology NDLI Club), Address (Vishnupur, Bhimavaram, West Godavari District, Andhra Pradesh), Pin Code (534202), City / Village (Kolkata), State (Andhra Pradesh), Institution Type (Engineering College), Institution code (PA), Specialisation (Science), and Website (www.vishnu.edu.in). A 'Fetch Location' button is also present.

### 13. Online Courses

Add on Courses and MOOC

Programs NPTEL

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

The screenshot shows a web browser displaying an NPTEL course page for Statistics. The page header includes the NPTEL logo and navigation links. The main content area features the Vishnu Institute of Technology logo and details for the course: SPOC Name (M. S. Lakshmi), Designation (Associate Professor, Department of Technology), and College (VIT - VIT). A table below the course details shows the course schedule and enrollment statistics.

Course Run	Prereq	Coll	Enr	Slvr	Secur	Participate	Topic	NPTEL Item
Jul-Dec 2021	1	1	1	1	1	1	1	1
Jan-Apr 2022	1	1	1	1	1	1	1	1
Jul-Dec 2022	1	1	1	1	1	1	1	1
Jan-Apr 2023	1	1	1	1	1	1	1	1

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, TCHRAPELEM  
 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)

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**

  
**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


  
FREE ONLINE EDUCATION  
**swayam**  
UPEDEA SWAYAM SWAYAM SWAYAM

Roll No: NPTEL19CS41S61160137
To validate and check scores: <https://npTEL.ac.in/noc/>



4 Courses

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



Sep 18, 2020

## Shyamala Madhuri Yerra

has successfully completed the online, non-credit Specialization

# AWS Fundamentals

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](https://coursera.org/verify/specialization/ELJJPCQJ7F84)



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*

Coreen Ryskamp  
Program Manager  
IBM Security Learning Services

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/VMXXKEGWKPD8](https://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)



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*

**Prof. Andrew Thangaraj**  
NPTEL Coordinator  
IIT Madras



Indian Institute of Technology Madras



\*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*

DAN BECKER, KAGGLE INSTRUCTOR

*Alexis Cook*

ALEXIS COOK, HEAD OF KAGGLE LEARN

**Coursera** <https://www.coursera.org/programs/coursera-response-program-for-vitb-xjv4t?currentTab=CATALOG>

