Department of Computer Science
STAR-DBT ACTIVITIES
2021-22

Seminars/ workshops/Exhibitions

Academic year	Nature of program	Dates/Duration	Title of Program	Number of beneficiaries
2021-22	International Webinar	26th November 2021	Ethical hacking	60
	Webinar	6th November 2021	Cyber Security	205
	Webinar	30th October 2021	Service Management & Service Now	78
	2 Day Webinar	4th &5th October 2021	Real –Time Applications on Digital Image Processing and Network Security Applications Using Deep Learning Tools with Matlab	206
2021-2022	Workshop	29th Nov 2021 to 3rd Dec, 2021	PHP with MYSQL	100
	Workshop	18th February, 2022 to 23rd February, 2022	IoT with RASPBERRY PI using Python	39
2021-2022	Poster presentations	28th February, 2022	Integration of science and technology for Sustainable future	56
	E-Waste to Best, Art and Craft Activity	12th November 2021	E-Waste to Best, Art and Craft Activity	26

Report on International Webinar on "Ethical Hacking"

Report on International Webinar on "Ethical Hacking"

An International Webinar on "Ethical Hacking"was conducted by the Department of Computer Science, under the DBT Star College scheme, on 26h November, 2021.

The speaker for the Webinar was Mr. Srinivasrao Kotipalli, who works for Global Bank in Singapore as a Senior Cyber Security Manager. He is also an Offensive Security Certified Professional (OSCP) and Offensive Security Certified Expert(OSCE). Mr. N. Bhaskar, Lecturer, Department of Computer Science, welcomed the guest speaker.

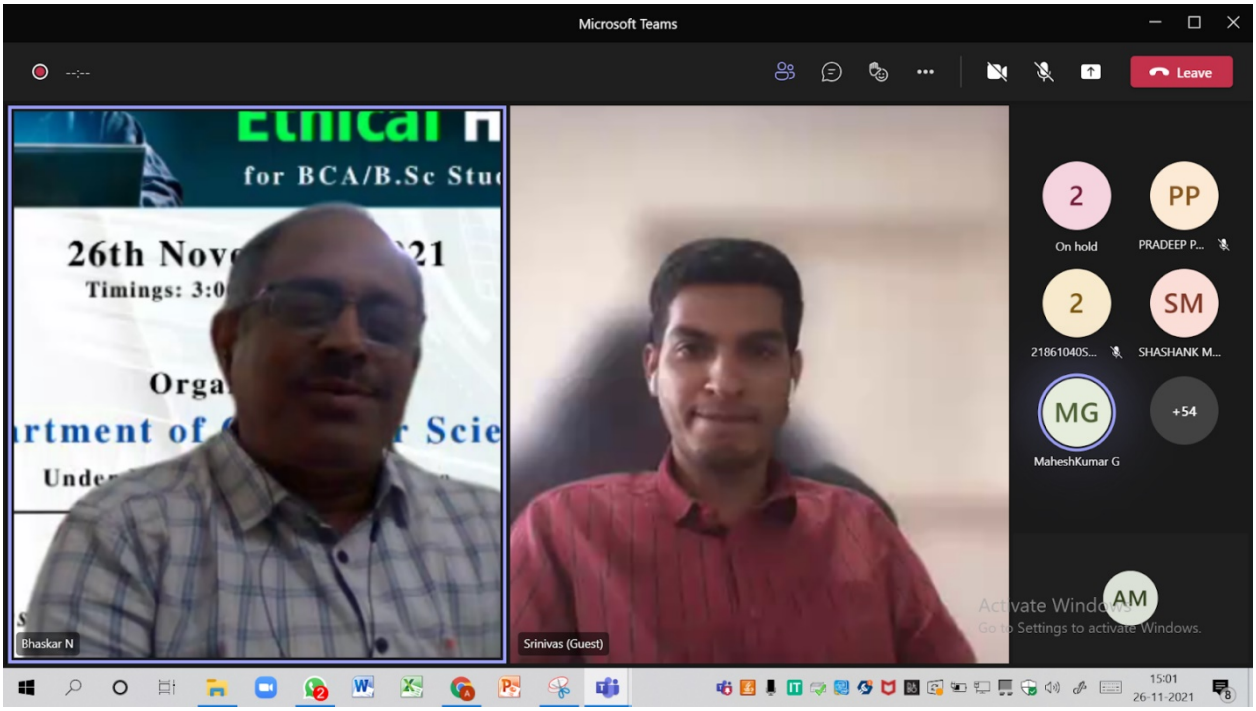
He focused on various topics related to Ethical hacking and Information Security.

Mr. Srinivas highlighted on the need for Security and what Hacking is. He also focused on how Web Application Security is provided.

He also briefed to the students as to who are the different types of Hackers and what do they do, like Black Hat Hackers, White Hat Hackers, Grey Hat Hackers, Hacktivists, Script Kiddies.

He also ran a sample Hacking Code and showed the minimal instructions that are executed for the data to be stolen.

Mr Srinivas also educated the students about 'Careers in Information Security' – He also mentioned the various roles in the industry in the field of Information Security such as - Penetration Testing (Ethical Hacking), Red Team, Yellow Teams, Digital Forensics, Security Operations Center,Security Architects, Bug Bounties, Security Blogging, Security Training-Online and Offline, Freelancing etc.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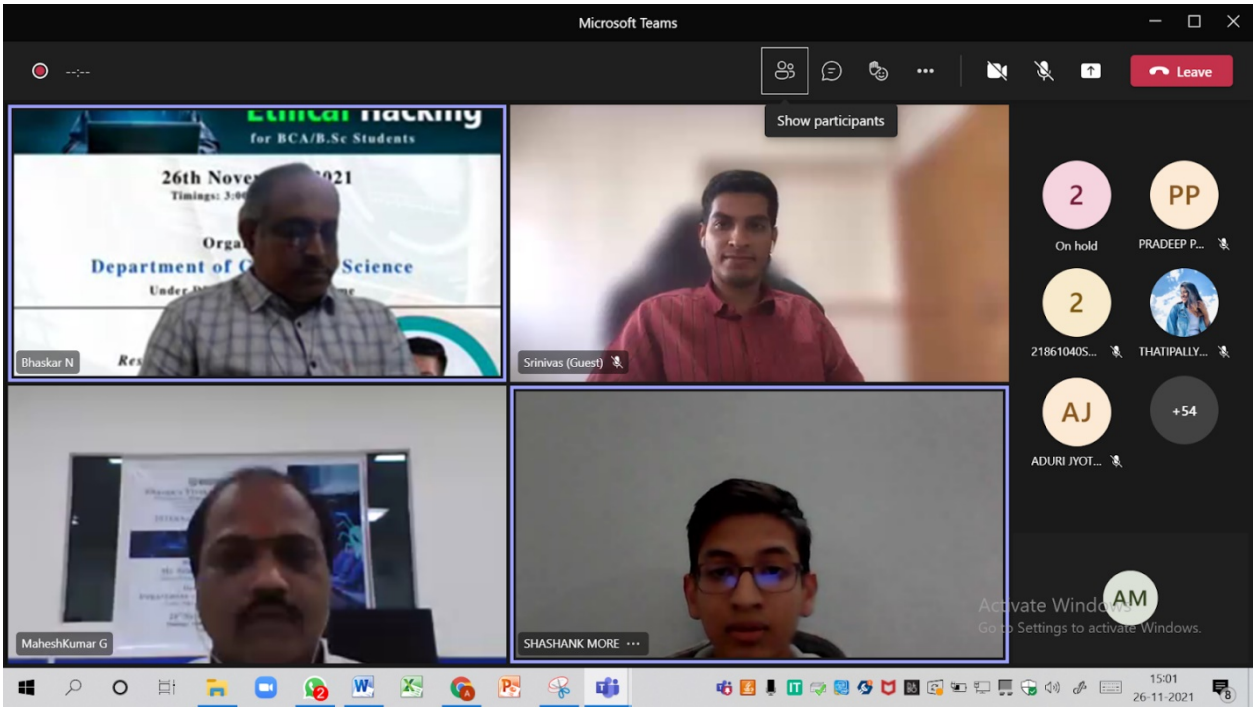
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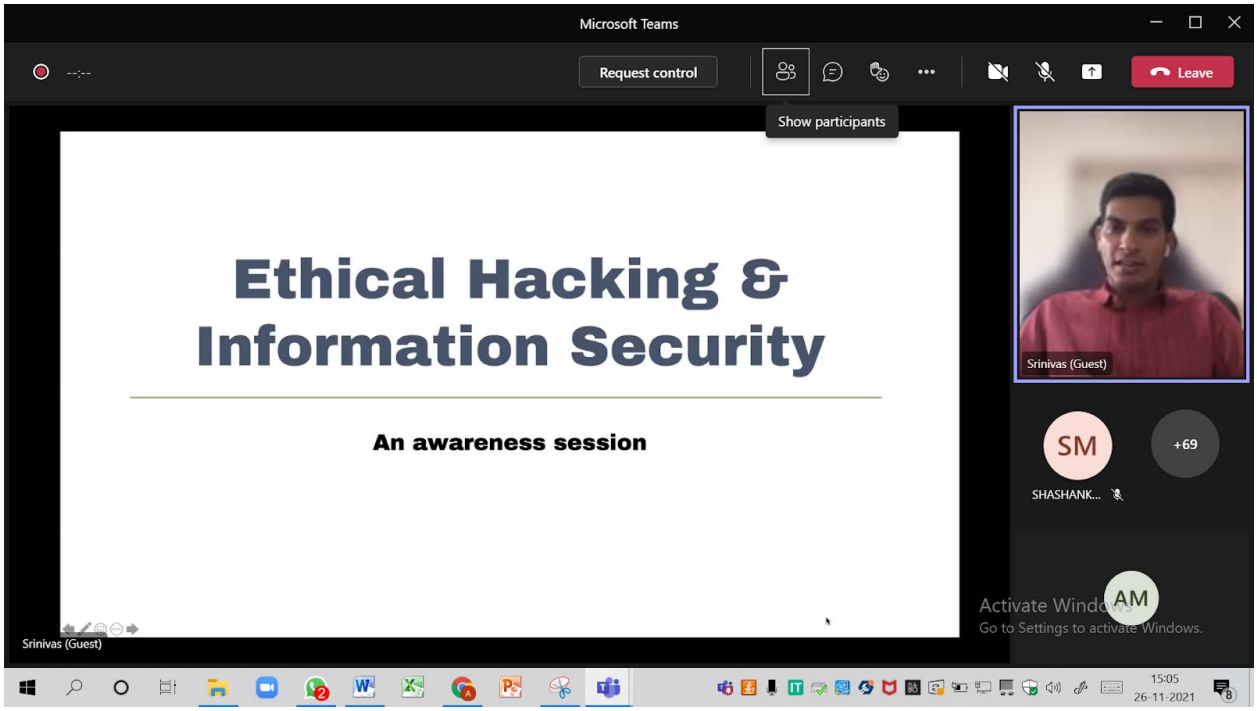
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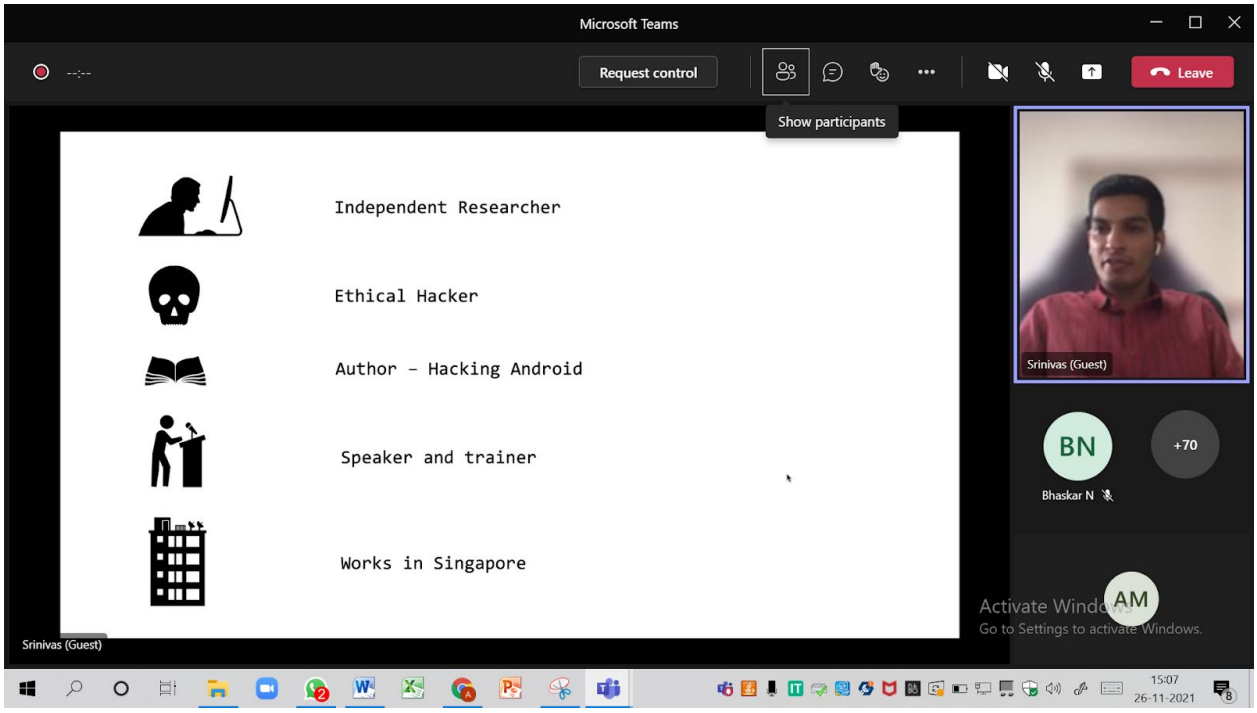
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Ethical Hacker
Author – Hacking Android
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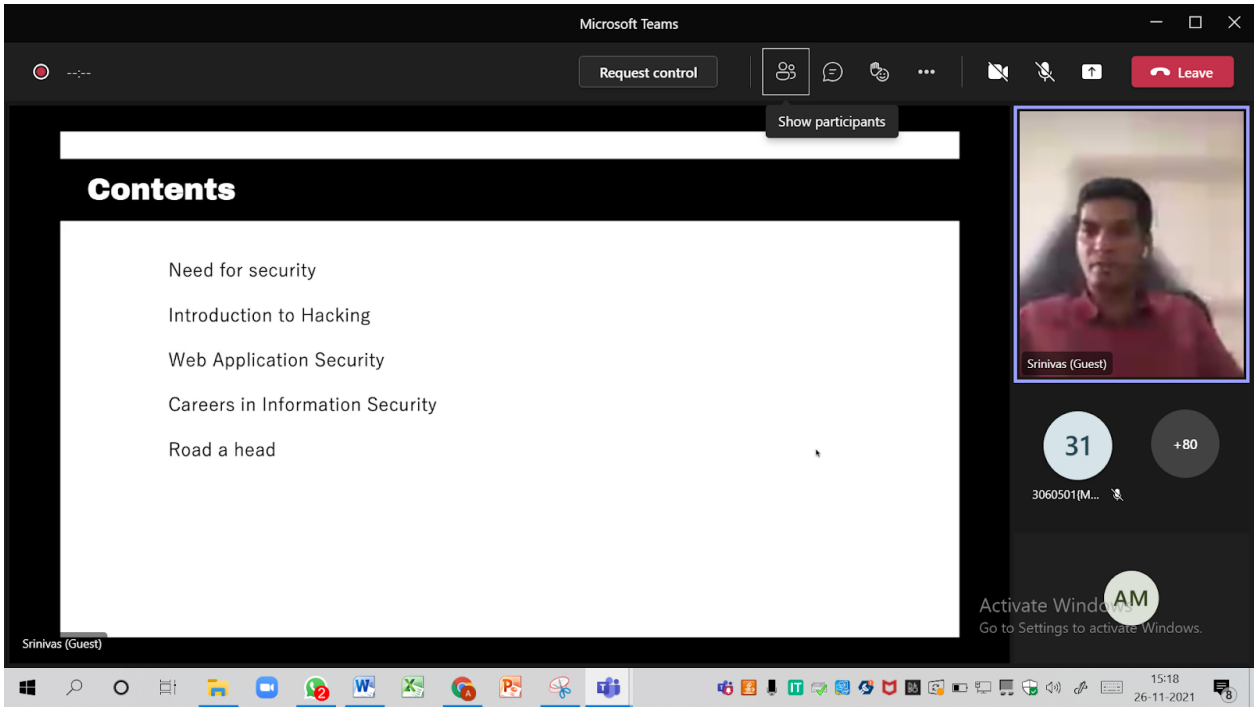
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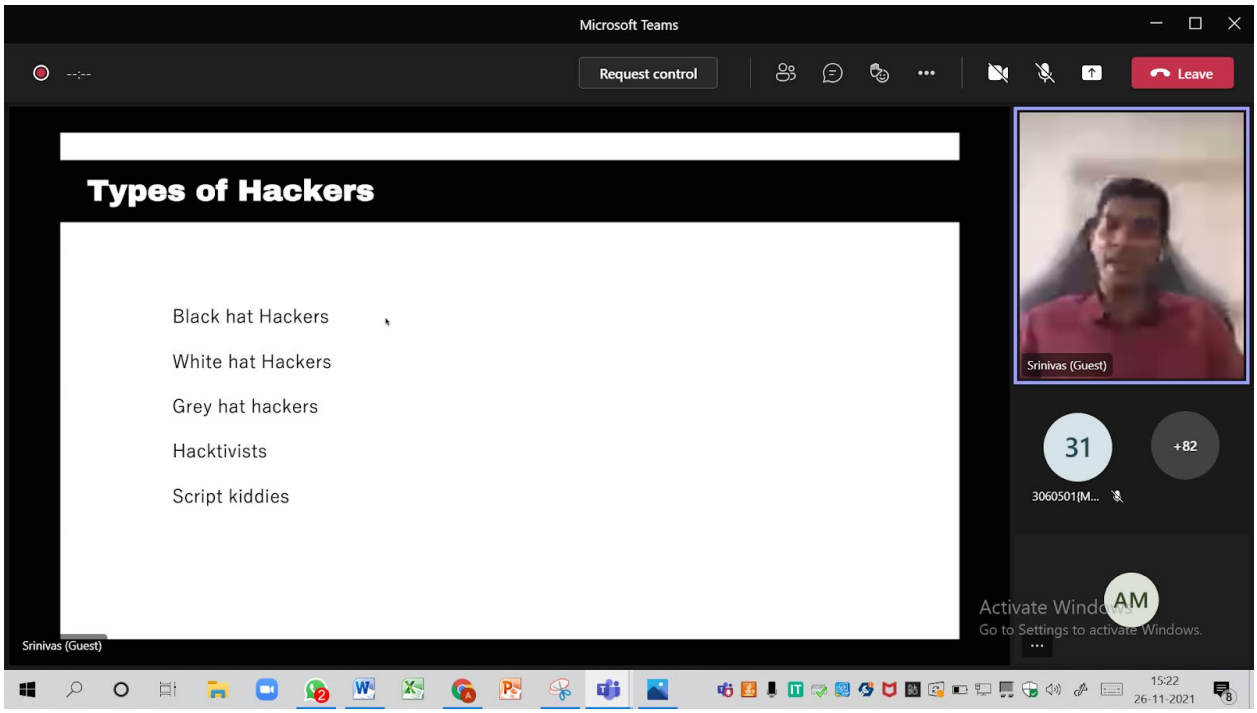
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White hat Hackers
Grey hat hackers
Hacktivists
Script kiddies
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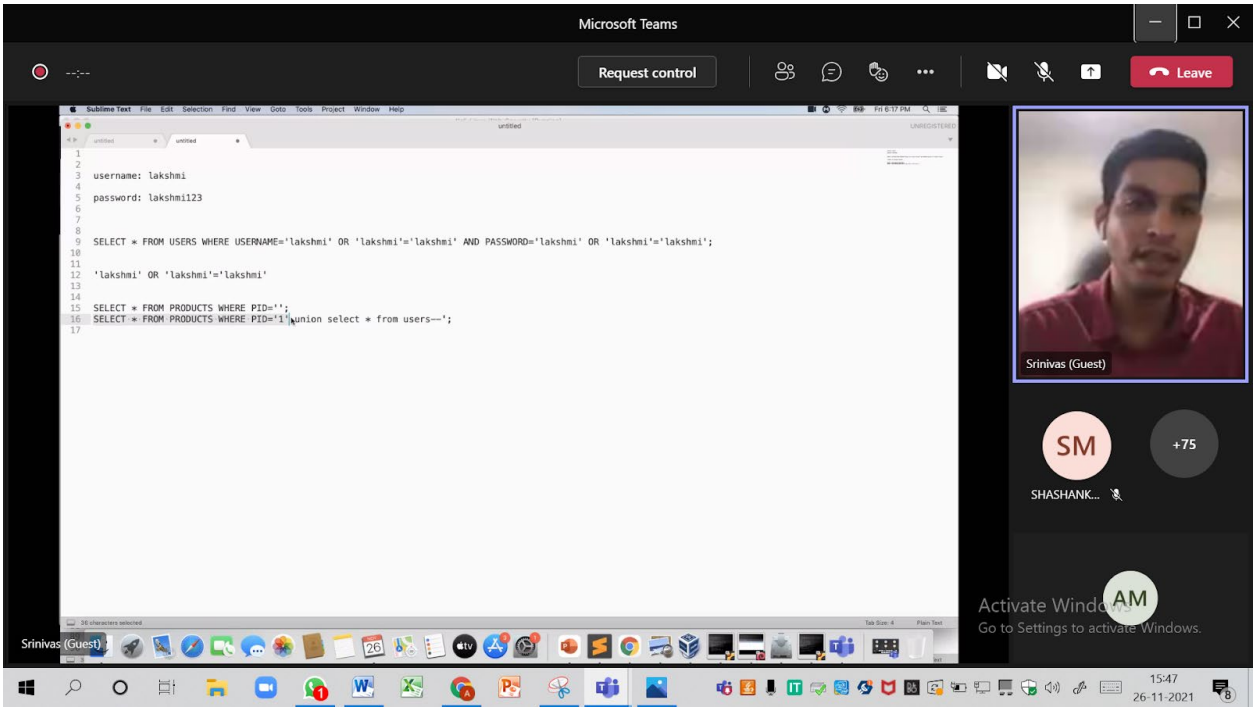
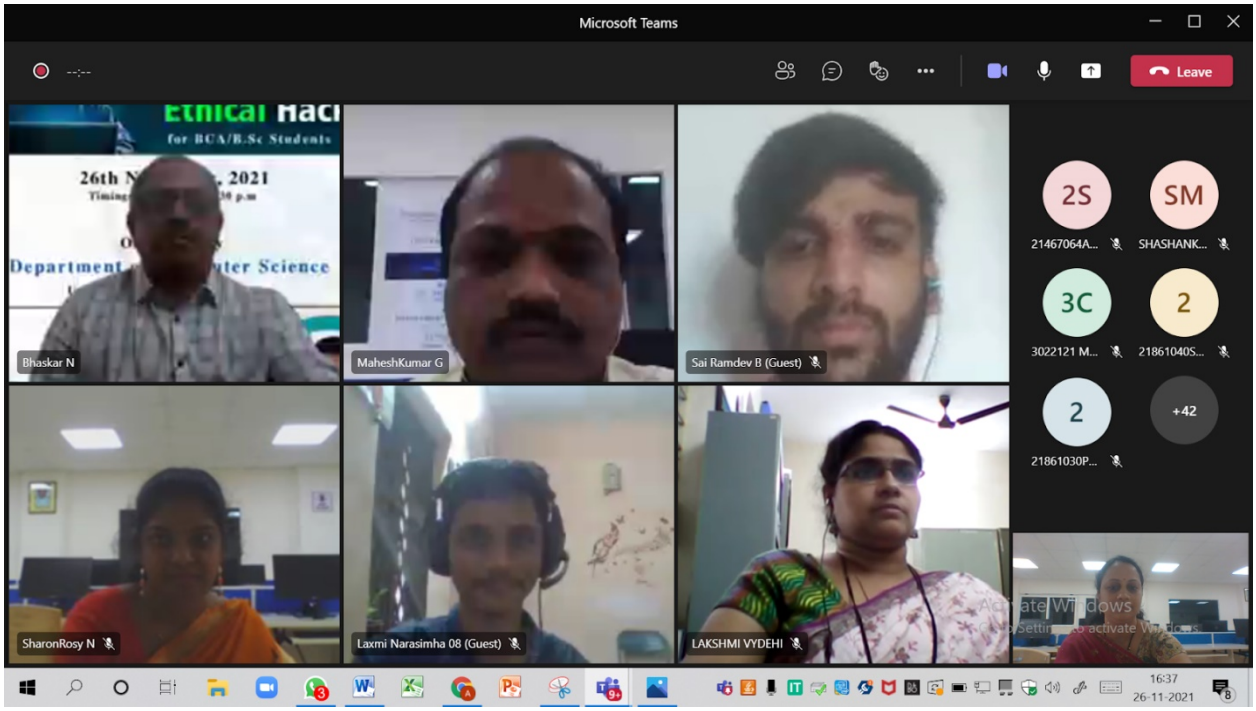




There were around 60 students who actively participated and interacted in the webinar. They also had their queries related to Ethical Hacking, clarified from the speaker. The session concluded with Mr. G Mahesh Kumar, Asst Professor, Dept. of Computer Science, proposing the Vote of Thanks.

Report on Cyber Security Webinar – 6th November, 2021

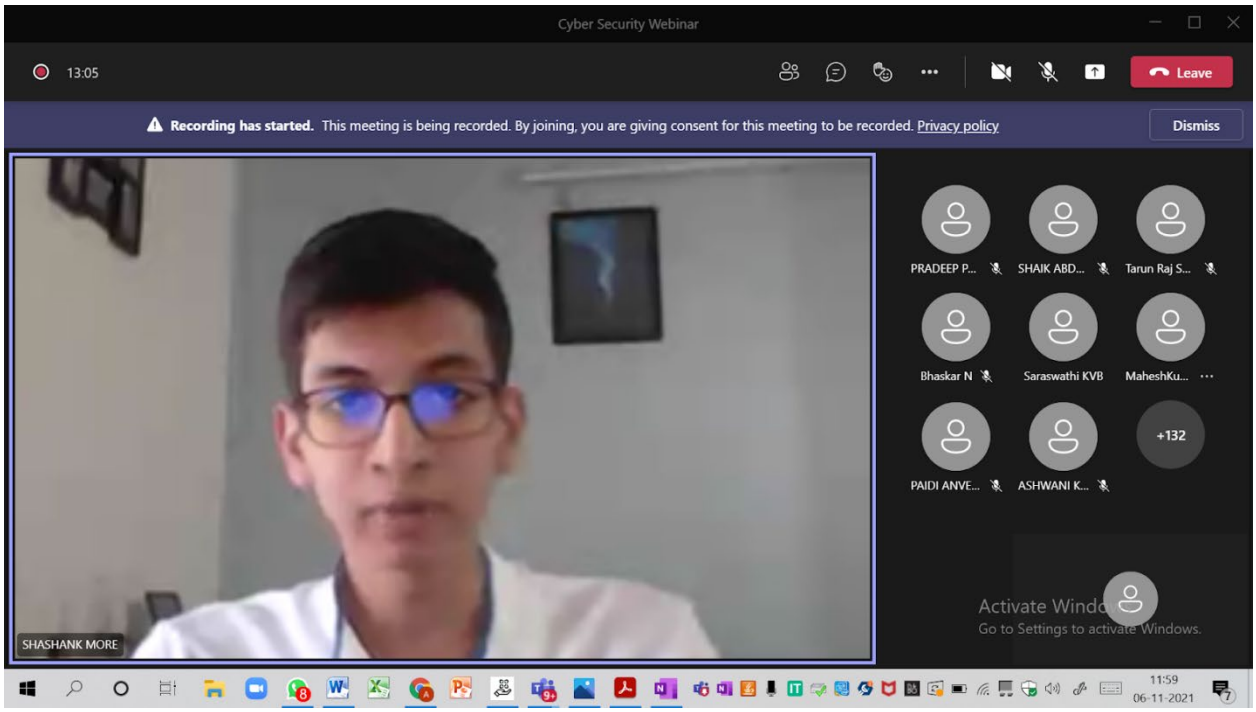
Report on Cyber Security Webinar – 6th November, 2021

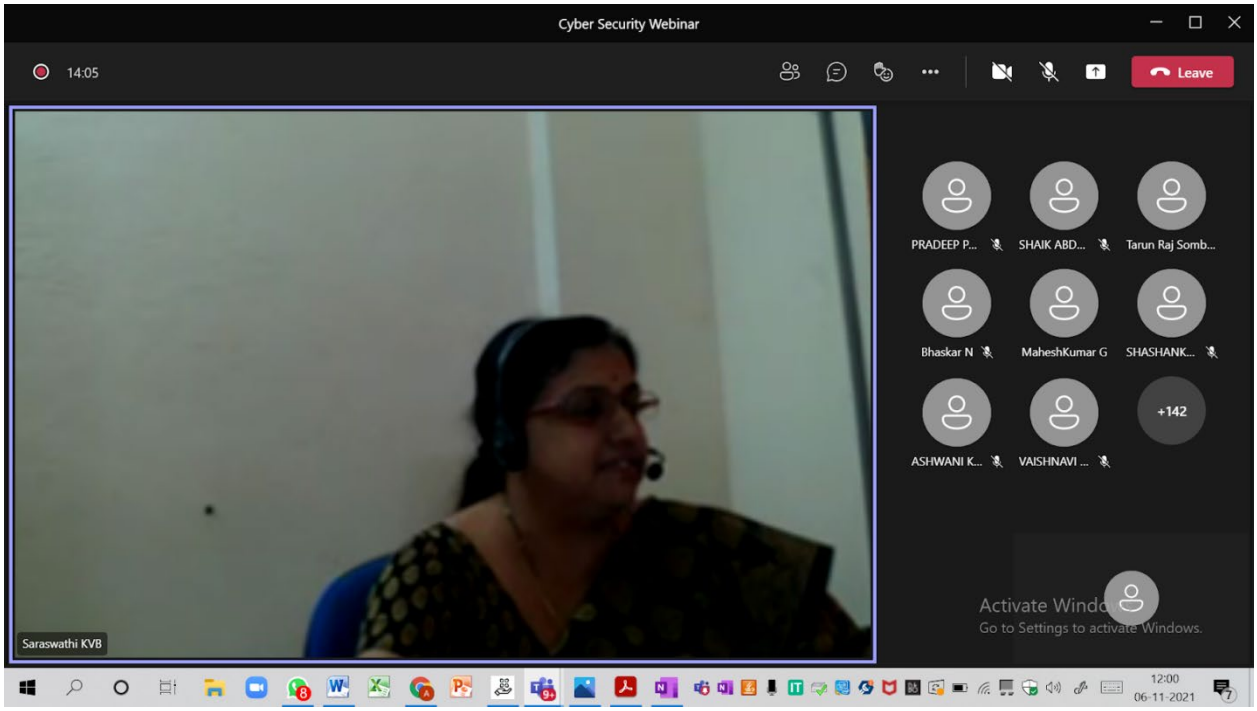
A webinar on **Cyber Security** was organized by the department of Computer Science under the DBT- Star College Scheme, on the 6th November, 2021. The speakers invited for the session was Mr S Tarun Raj, Senior Security Analyst, Stefanini India Pvt. Ltd., Hyderabad, and Mr N Prithvi Raj, Senior Security Analyst, Stefanini India Pvt. Ltd., Hyderabad. Mr S Tarun Raj is also the alumni of the BCA programme from our college.

The webinar began at 12:00 p.m. with the welcome address given by Mrs KVB Saraswathi, Head, Department of Computer Science. The session was taken over by Mr. Prithvi Raj and MrTarun Raj who started with stating the need of the Internet in the modern era, Importance of Cyber Security, the top 10 OWASP (Open Web Applications Security Project). They also highlighted on the types of threats to security, causes of phishing, differences between surface web, dark web, deep web etc. The session also included a local demo of how phishing is done.

The session was very informative and knowledgeable with students interacting with the speakers and clarifying questions on what kind of courses and certifications would help them pursue a better career in the field of Cyber Security.

The session concluded with the vote of thanks proposed by Mr. G Mahesh Kumar, Assistant Professor, Department of Computer Science and BCA Programme Coordinator, thanking the speakers and the audience for their active participation. There were a total of 205 participants including faculty and students of various streams for the webinar.

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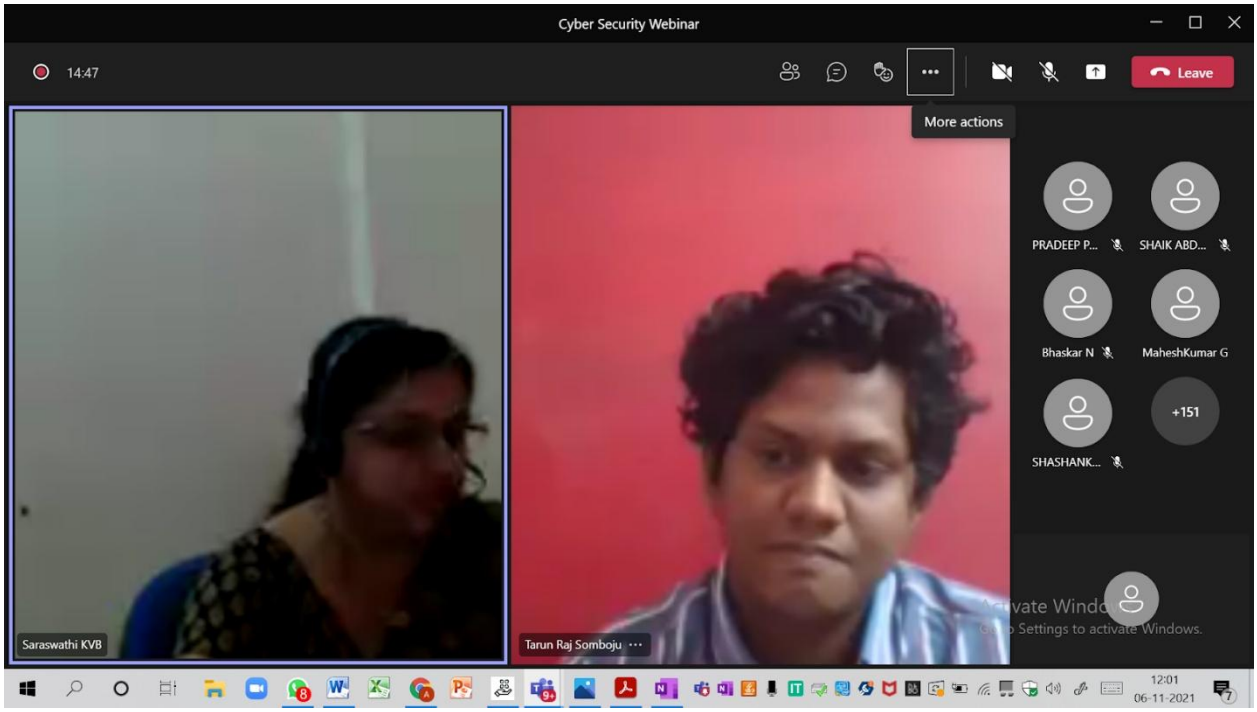
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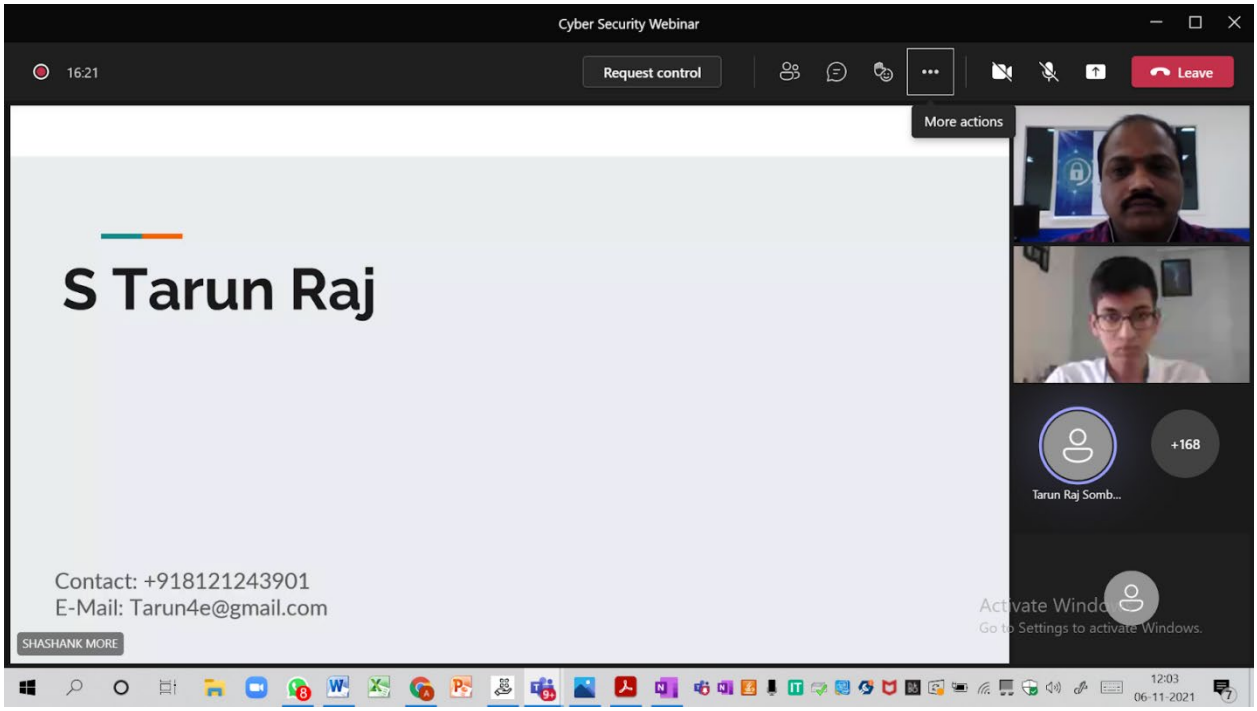
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E-Mail: Tarun4e@gmail.com
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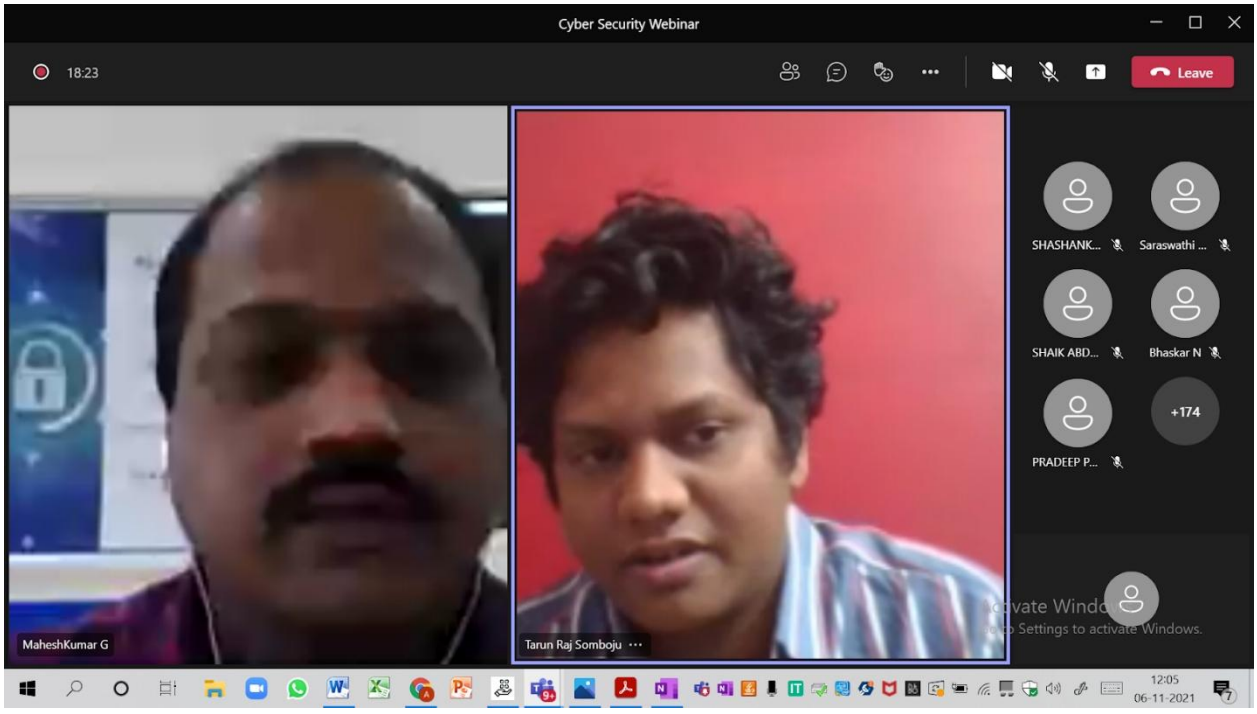
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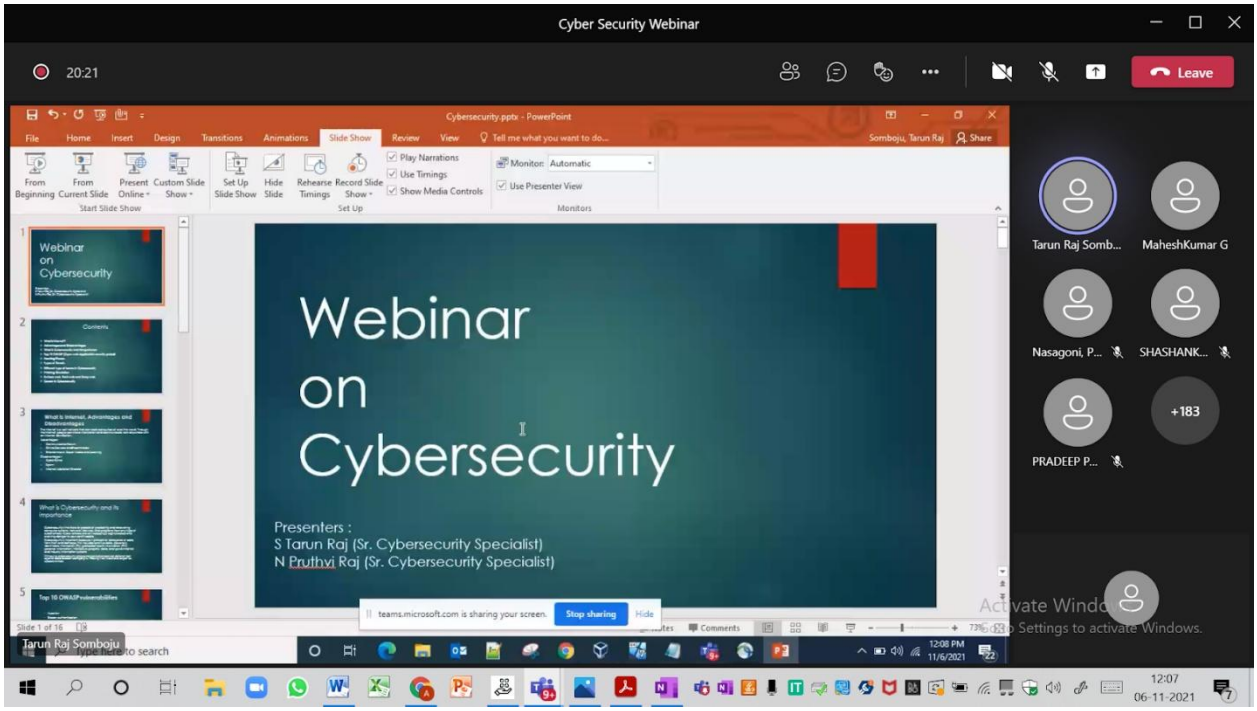
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N Pruthvi Raj (Sr. Cybersecurity Specialist)
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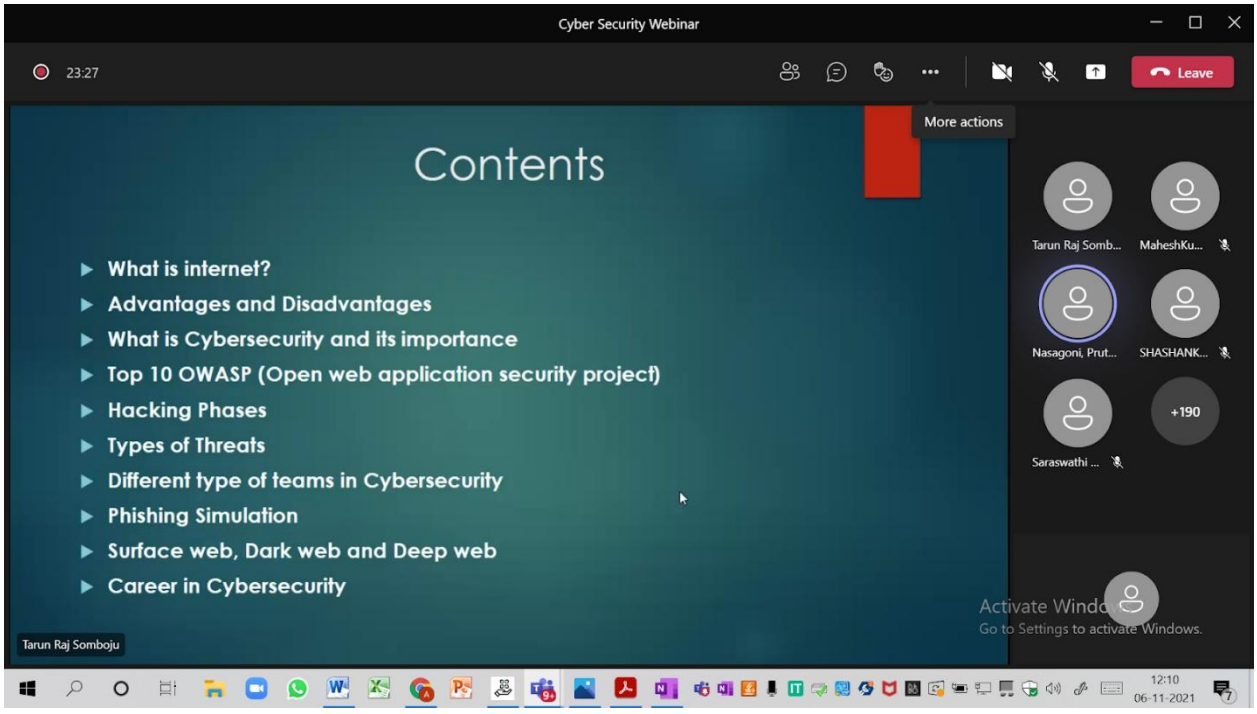
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Contents
What is internet?
Advantages and Disadvantages
What is Cybersecurity and its importance
Top 10 OWASP (Open web application security project)
Hacking Phases
Types of Threats
Different type of teams in Cybersecurity
Phishing Simulation
Surface web, Dark web and Deep web
Career in Cybersecurity
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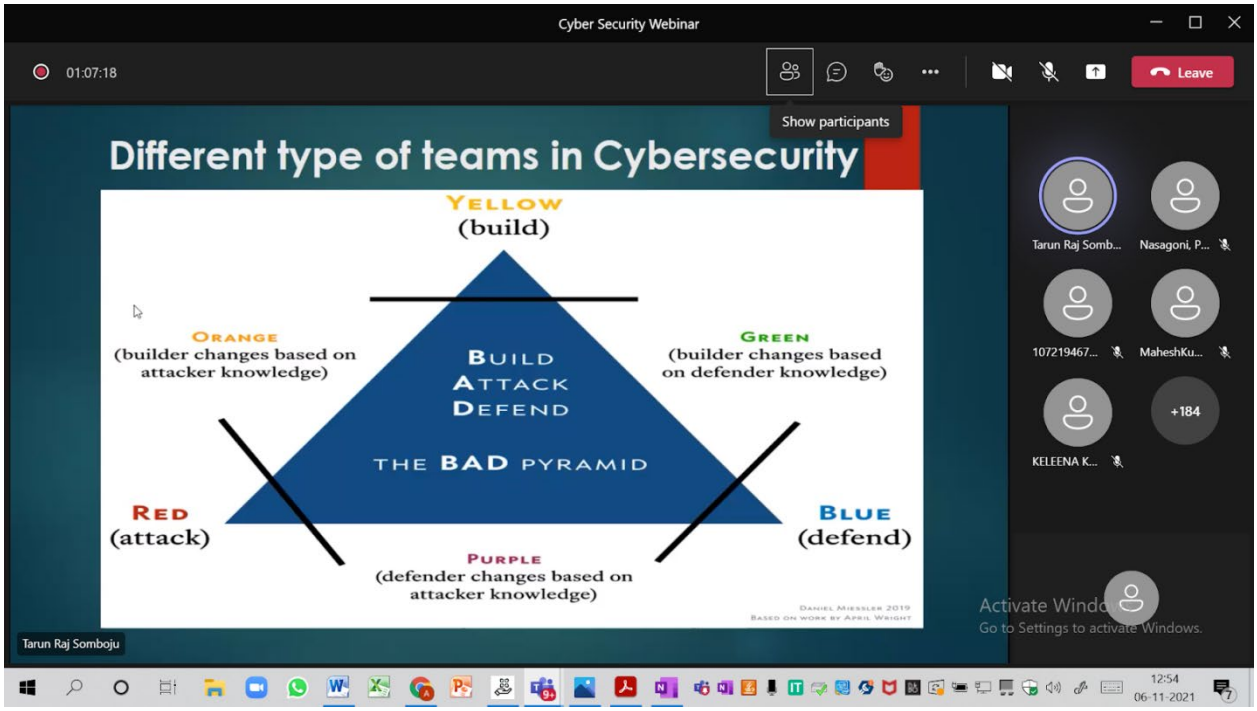
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Different type of teams in Cybersecurity
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ORANGE
(builder changes based on attacker knowledge)
GREEN
(builder changes based on defender knowledge)
BUILD
ATTACK
DEFEND
THE BAD PYRAMID
RED
(attack)
BLUE
(defend)
PURPLE
(defender changes based on attacker knowledge)
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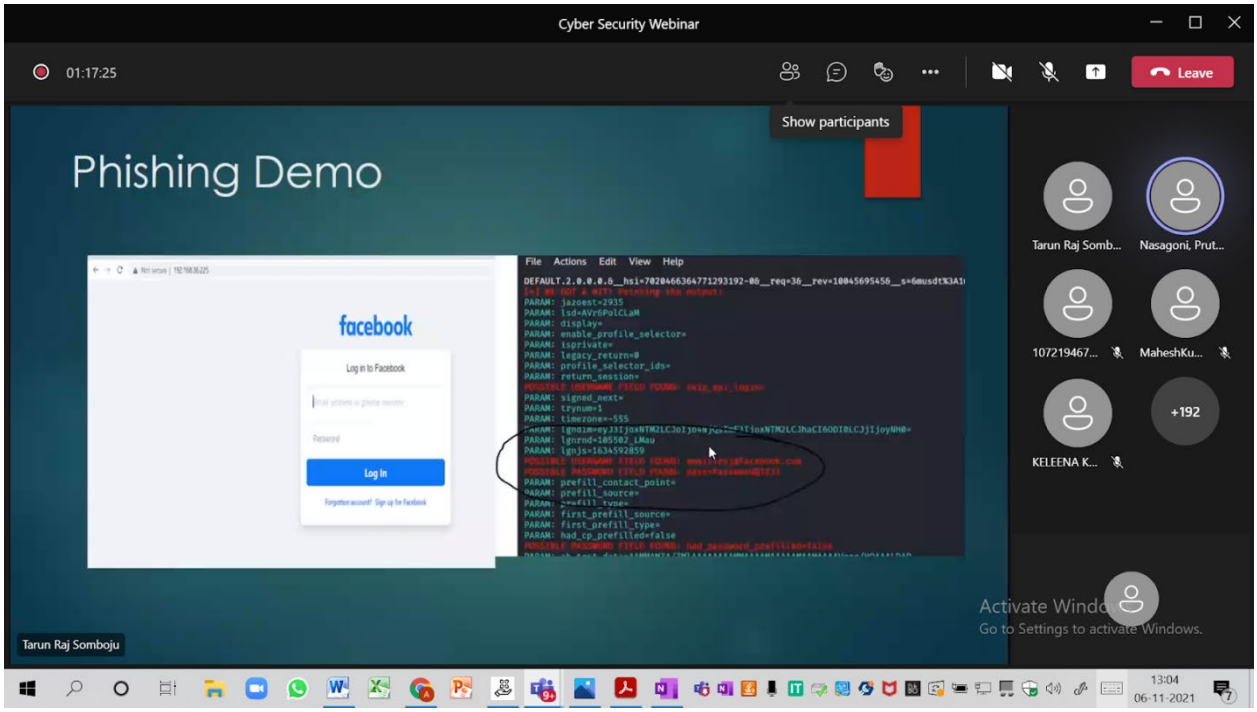
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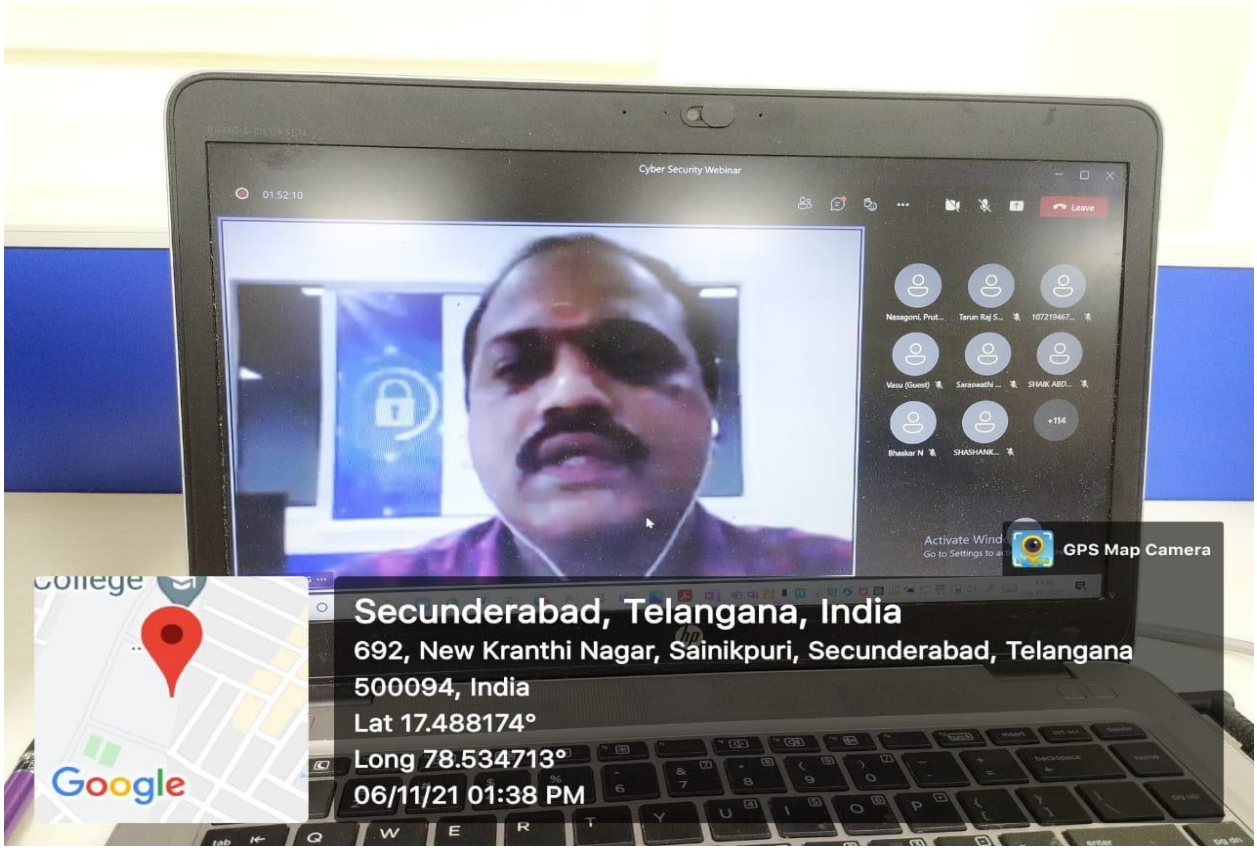
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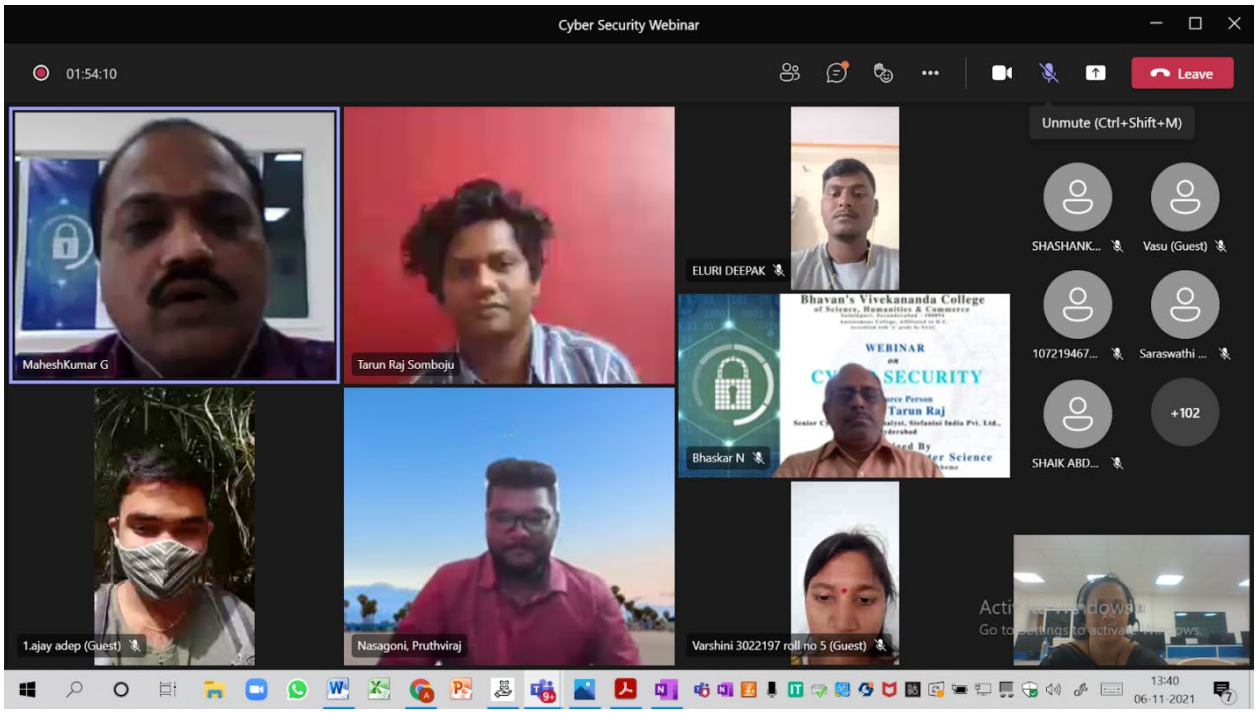
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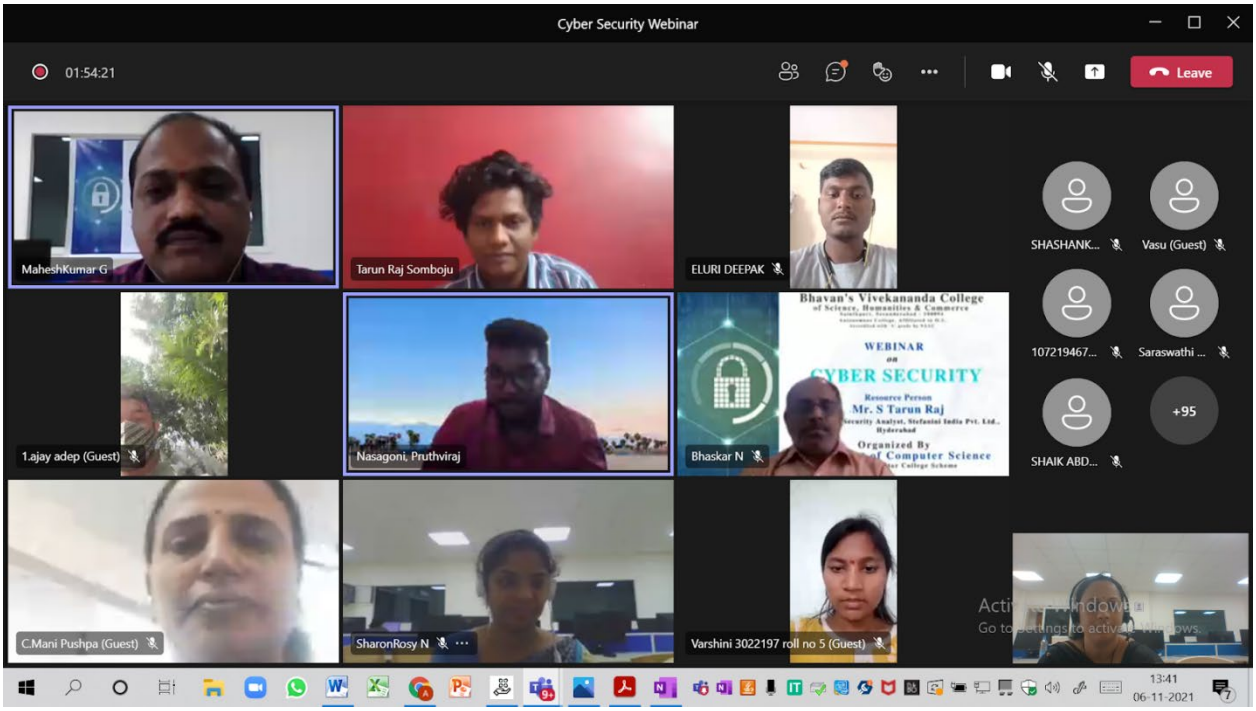
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WEBINAR
on
CYBER SECURITY
Resource Person
Mr. S Tarun Raj
Organized By
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Webinar on “Service Management and ServiceNow”

Bharatiya Vidya Bhavan

BHAVAN'S VIVEKANANDA COLLEGE

of Science, Humanities & Commerce

Sainikpuri, Secunderabad - 500094

Autonomous College, Affiliated to O.U.

Accredited with 'A' grade by NAAC

WEBINAR

on

"SERVICE MANAGEMENT AND SERVICENOW"

for BCA/B.Sc Students

30th October, 2021

Timings: 3:00 p.m to 4:30 p.m

Organized by

Department of Computer Science

Under DBT-Star College Scheme

Resource Person

Mr. Y Satya Kiran Kumar

Vice President

ITSM and Cloud Computing

Deutsche Bank

For Further Details Contact:

Mr. N. Bhaskar
9347983943
Mr. G. Mahesh Kumar
9849874907

Platform Teams : Click here

Webinar on "Service Management and ServiceNow"

Department of Computer Science had organized a webinar on "Service Management and ServiceNow" under DBT-Star College Scheme on 30-OCT-2021 from 3:00 P.M. to 4:30 P.M. for both BSC & BCA students.

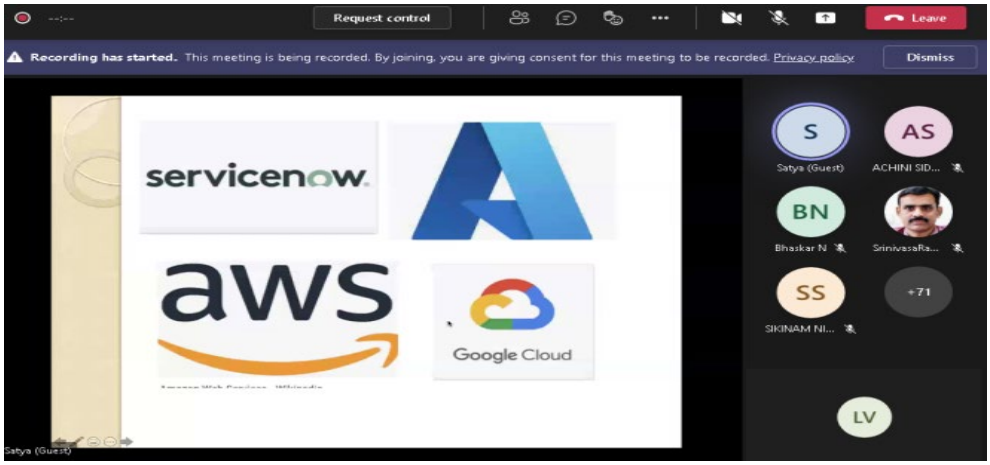
Total number of participants: 78.

Resource person: Mr.Y. SATYA KIRAN KUMAR
(Vice President, ITSM and Cloud Computing, Deutsche Bank.)

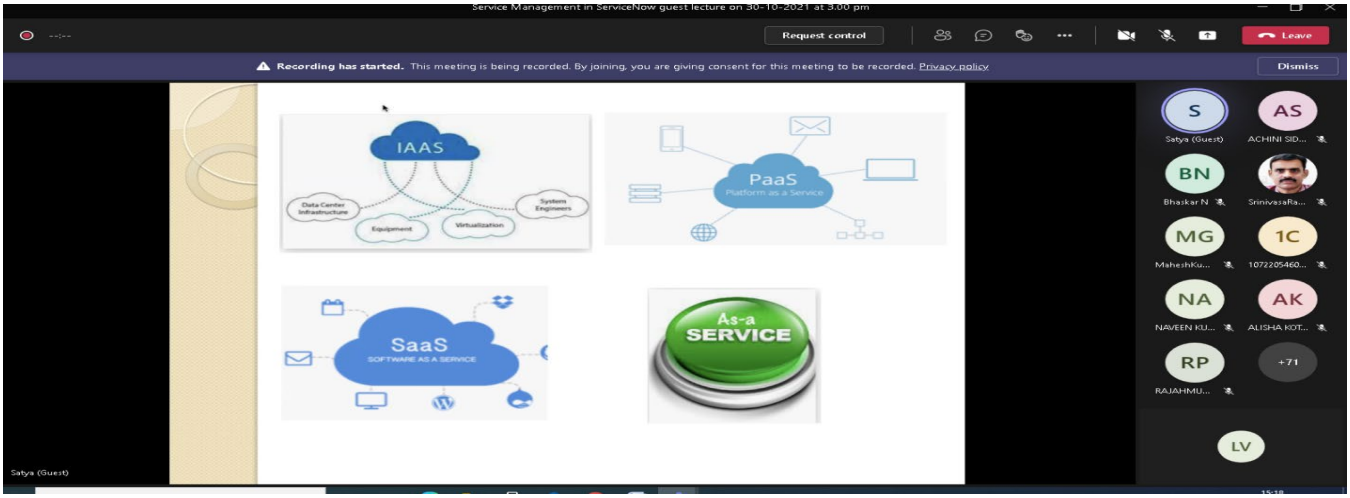
The topics covered were:

Service Management and ServiceNow: -

- Service Now –is a service that is a support for the Organizations to use the AWS, Azure, Google Cloud.



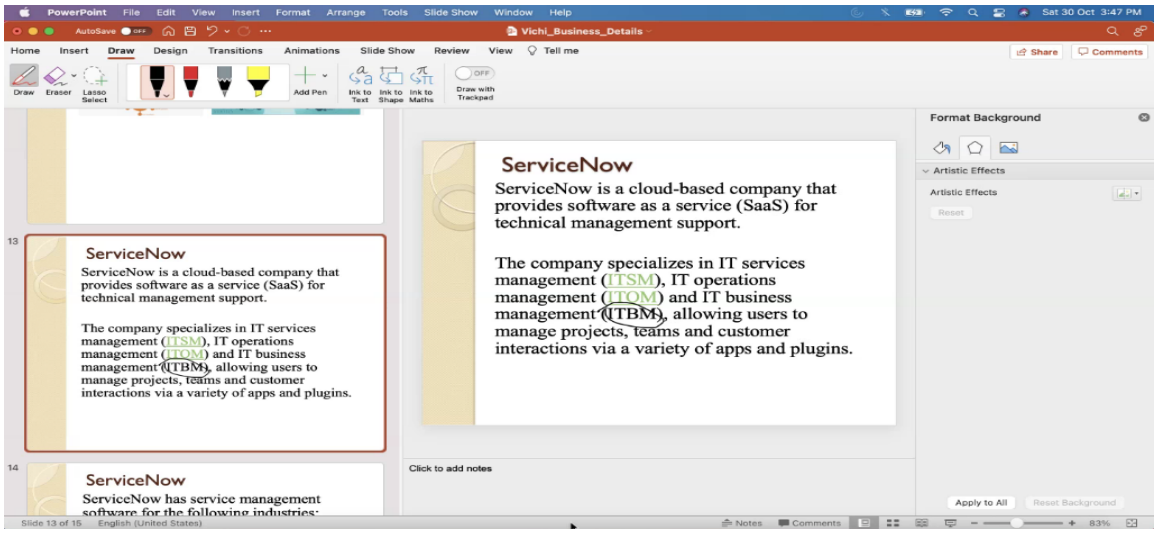
- Services can be as a – Infrastructure as a service
  Platform as a Service
  Software as a Service
  Service as a Service



It is a company which provide with the IT service management.

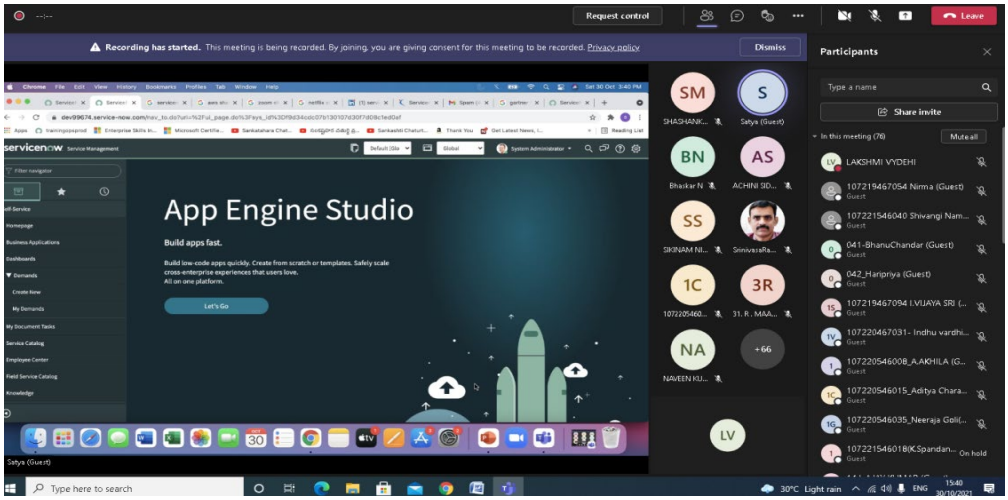
It is an Application Software.

It executes on Cloud; no Downloading or Running time required



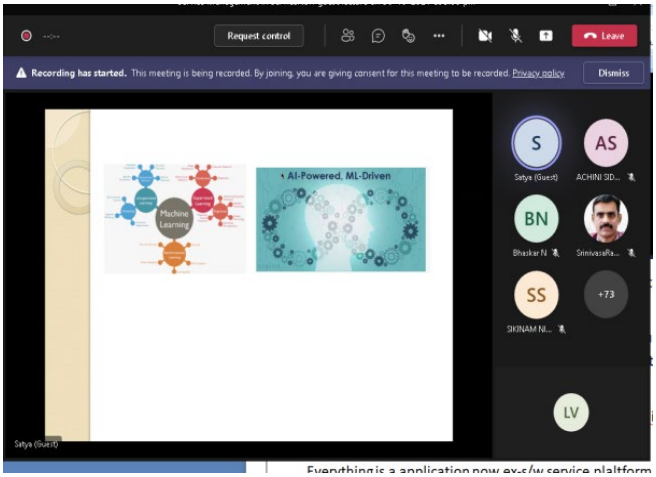
It is a Paid service. They provide us with the URL with which we can use directly.

It is a ready to use software.



It uses AI, ML for developing applications, to integrate machines with other products.

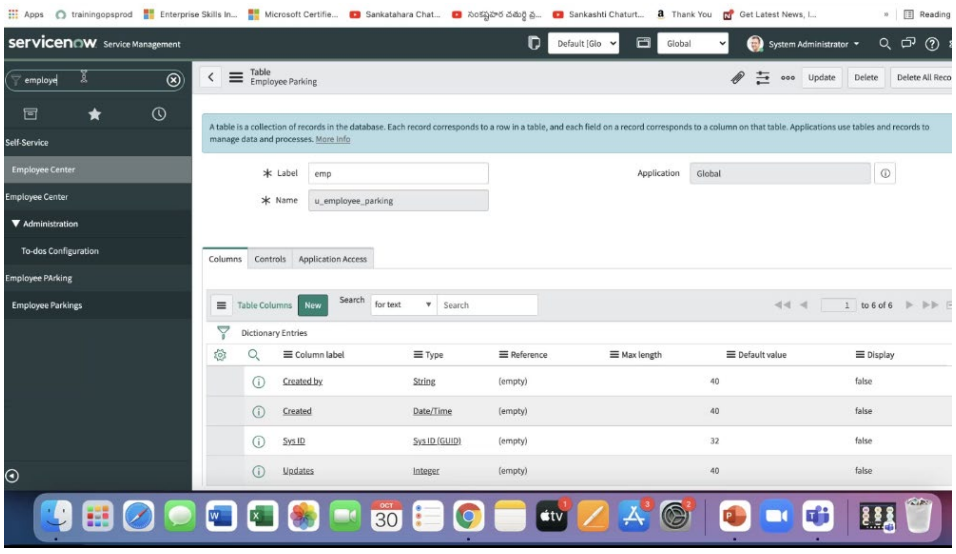
Ex: Build a machine in AWS, Google Cloud, FB,Whats App.

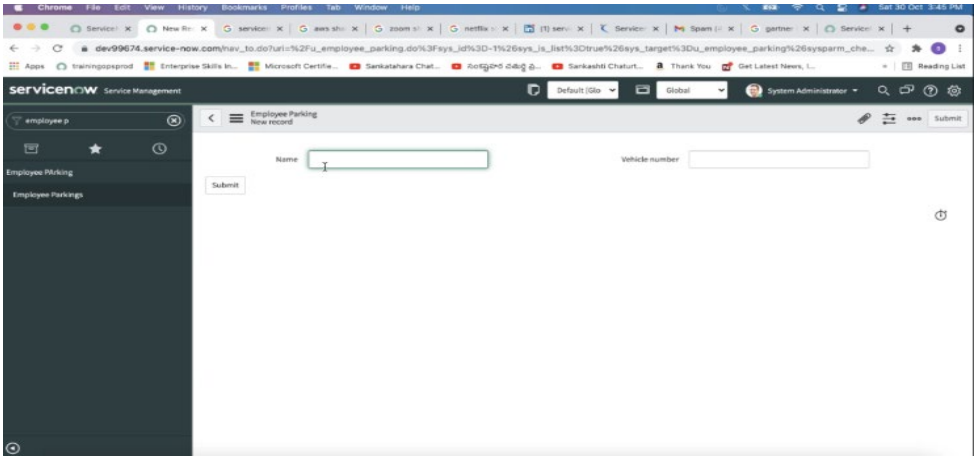


It allows the company to use their Applications.ex-Incidents

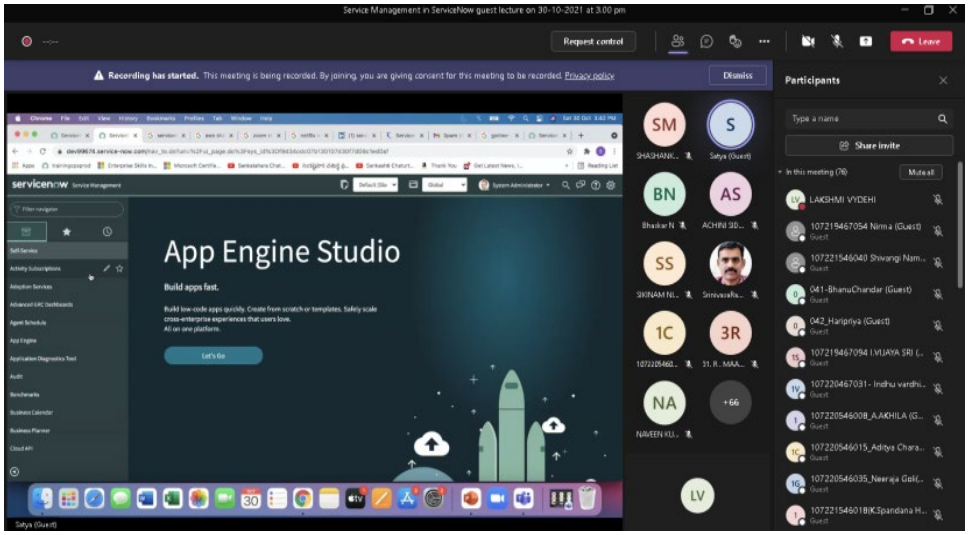
We can create our own customised Application on their platform.

It is not only restricted to IT; but also it does Non -IT related services ex-Employee Parking

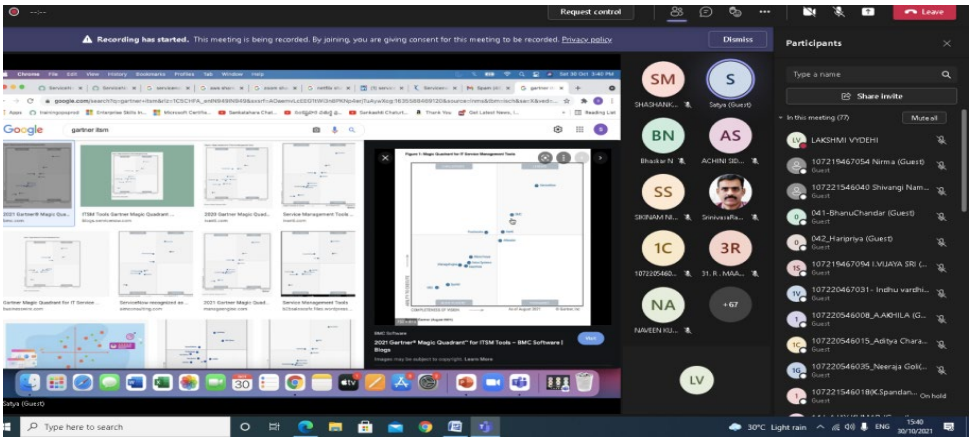




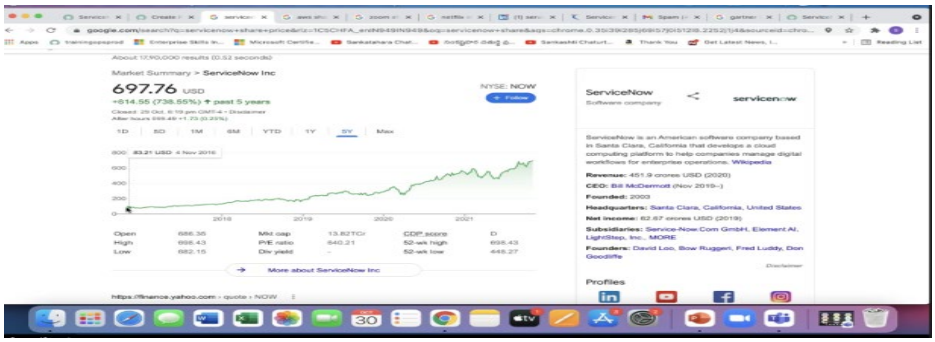
It also has free Application support for users.



- Software Ranking Company:-Gartner ITSM

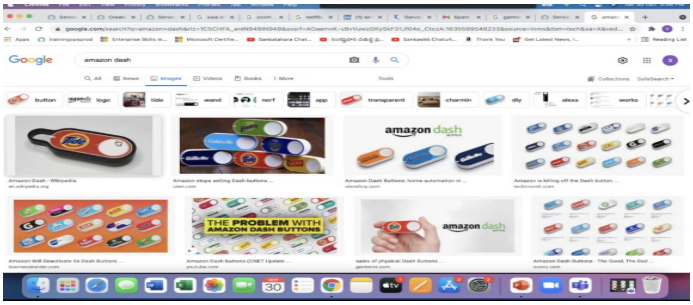


- Growth of ServiceNow in 2021:

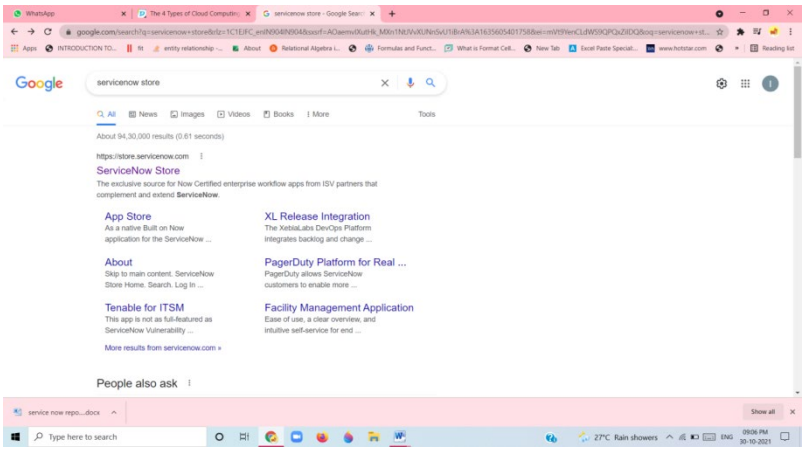


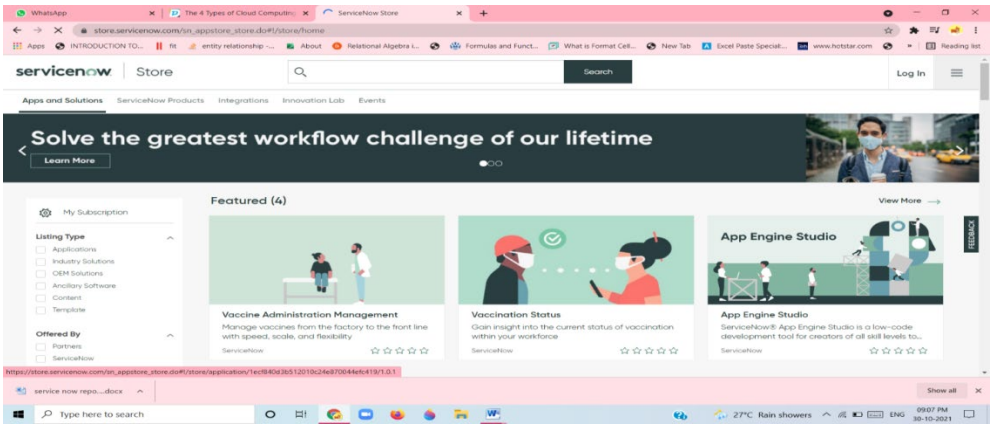
- **Security:**
  It has its own credentials to login. Any Unauthorized user we can get a SMS, email –to Administrator.
- **Maintenance:**
  It uses ML, AI for the products and in case of technical issues they will contact the technical department.

Ex:-Amazon Dash:-it will help to raise a complaint by pressing the button to the Technical team. .



- It also has its own store service Now store.

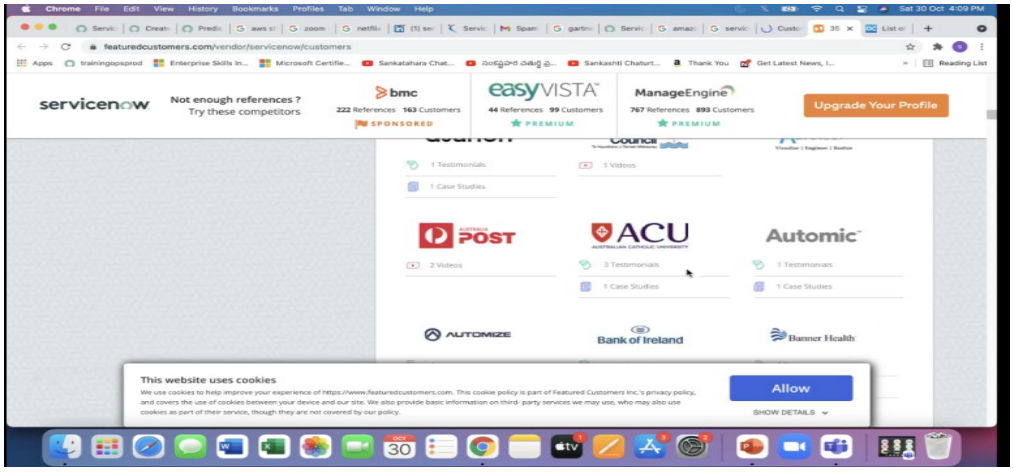


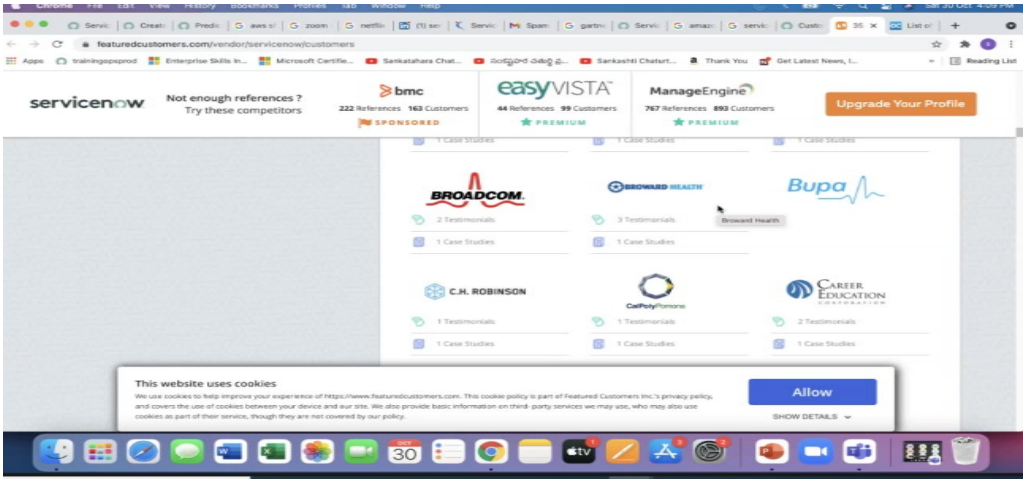


It is a one centralized application using which we can interact with any other application.

Ex:-McDonalds has been built on Service Now platform.

- Companies using ServiceNow Globally





- **Requirement for Freshers:-**

1.Tools& Technologies for Service Now

1.How to use the tools and product management Apps

2.Cloud Computing.

3.BackEnd –Web technologies,jscript,css,html ,Angular

4.DB

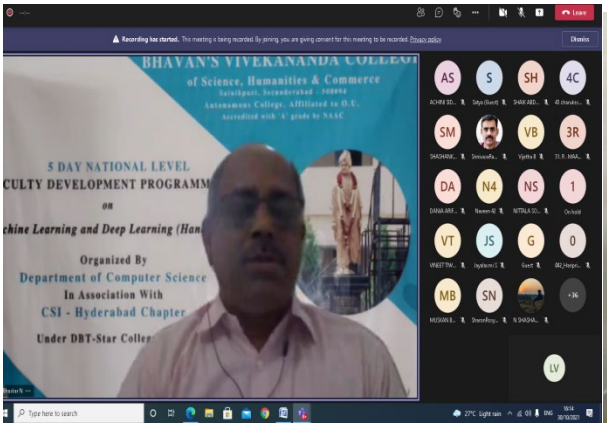
5. How to navigate & use the product worldwide.(Understanding the tools where and when to use the tool)

Min 3-6 months Knowledge will help for better job Opportunities

2.Domain Knowledge:-

Basic Domain Knowledge-ie their roles and responsibilities.

- **Vote of Thanks** given by :-Mr.N.Bhaskar (Lecturer in Computer Science Department)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Accredited with 'A' grade by NAAC
5 DAY NATIONAL LEVEL
CULTY DEVELOPMENT PROGRAMM
on
chine Learning and Deep Learning (Han
Organized By
Department of Computer Science
In Association With
CSI - Hyderabad Chapter
Under DBT-Star Colle

GPS Map Camera
Secunderabad, Telangana, India
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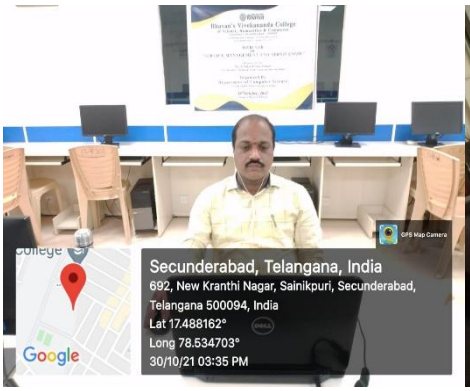
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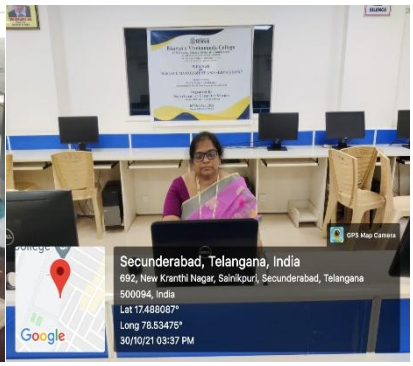
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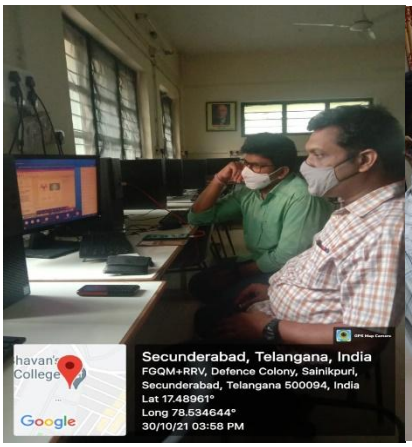
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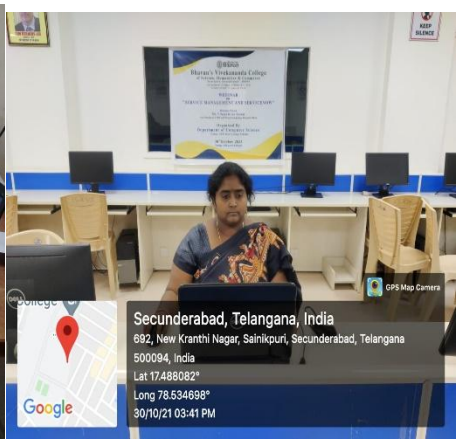
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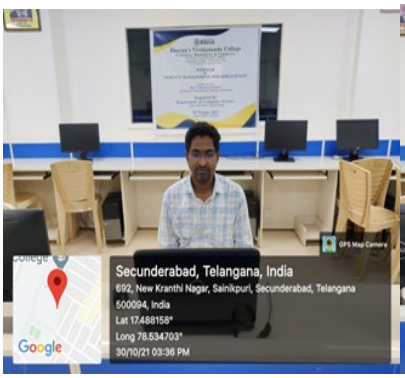
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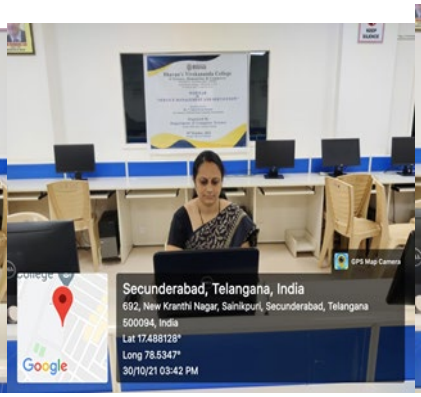
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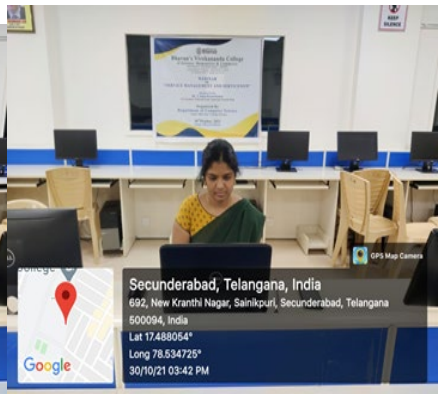
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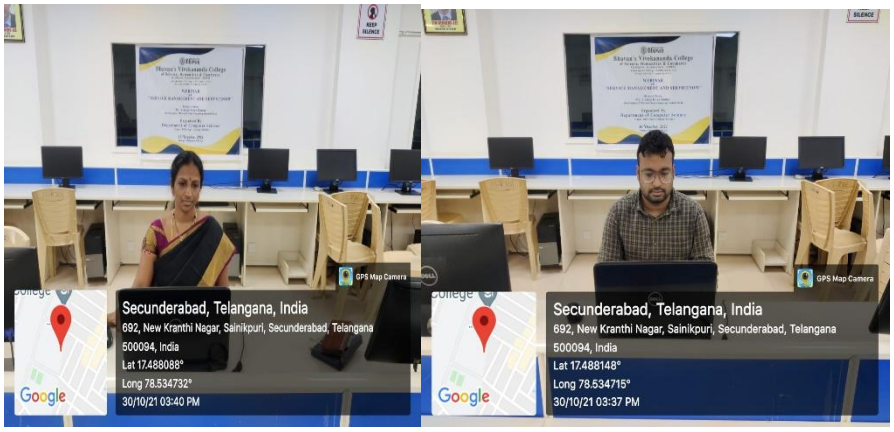


Webinar was very informative and received very positive feedback from students.

Report on 2 Day Webinar on

" Real –Time Applications on Digital Image Processing

and Network Security Applications

Using Deep Learning Tools with Matlab"

4th &5th October, 2021

(Under DBT-Star College Scheme)

The Department of Computer Science organized **a 2 Day Webinar on " Real –Time Applications on Digital Image Processing and Network Security Applications Using Deep Learning Tools with Matlab" on** 4th &5th October, 2021 online, through ZOOM platform

Day 1(4.10.2021)- Report

Mrs K Padma Priya, Lecturer, Department of Computer Science, welcomed Mrs K.V.B. Saraswathi, Head, Dept of Computer Science, guests and all the participants. She briefed on the purpose of the webinar, thanked DBT STAR College Scheme for permitting and organizing various Seminars/ FDP /Conferences and wished the gathering a happy learning experience.

Mrs K. V. B.Saraswathi, welcomed the attendees and briefed on the topics to be covered in the 2 day Webinar and shared that there were 206 people who registered for the webinar.

Mr N Bhaskar, Lecturer, Department of Computer Science introduced the speaker for the webinar **Mr. K. Kalyan Kumar, Senior project Engineer, DSP, Pantech Solutions Pvt. Ltd, Hyderabad.**

Describing various types of Images, types, formats of image, he gave a comprehensive explanation on Image Processing Techniques

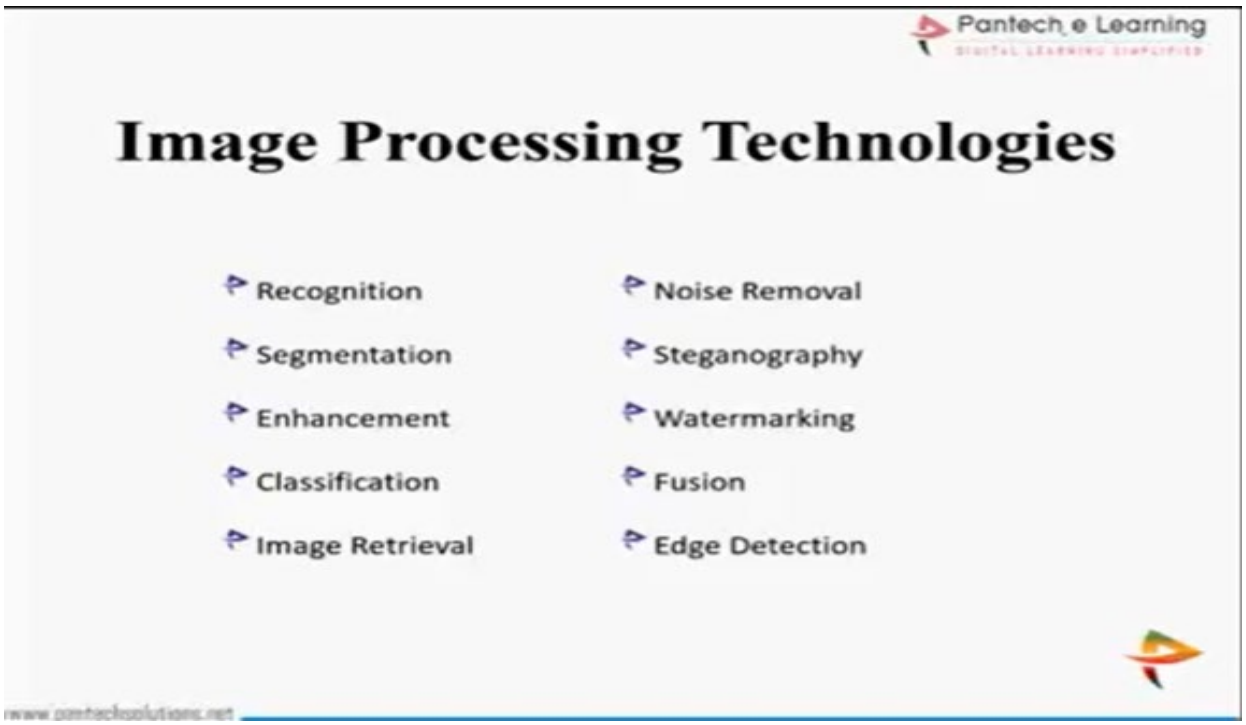
Pantech e Learning

Lecture Outline In This Session

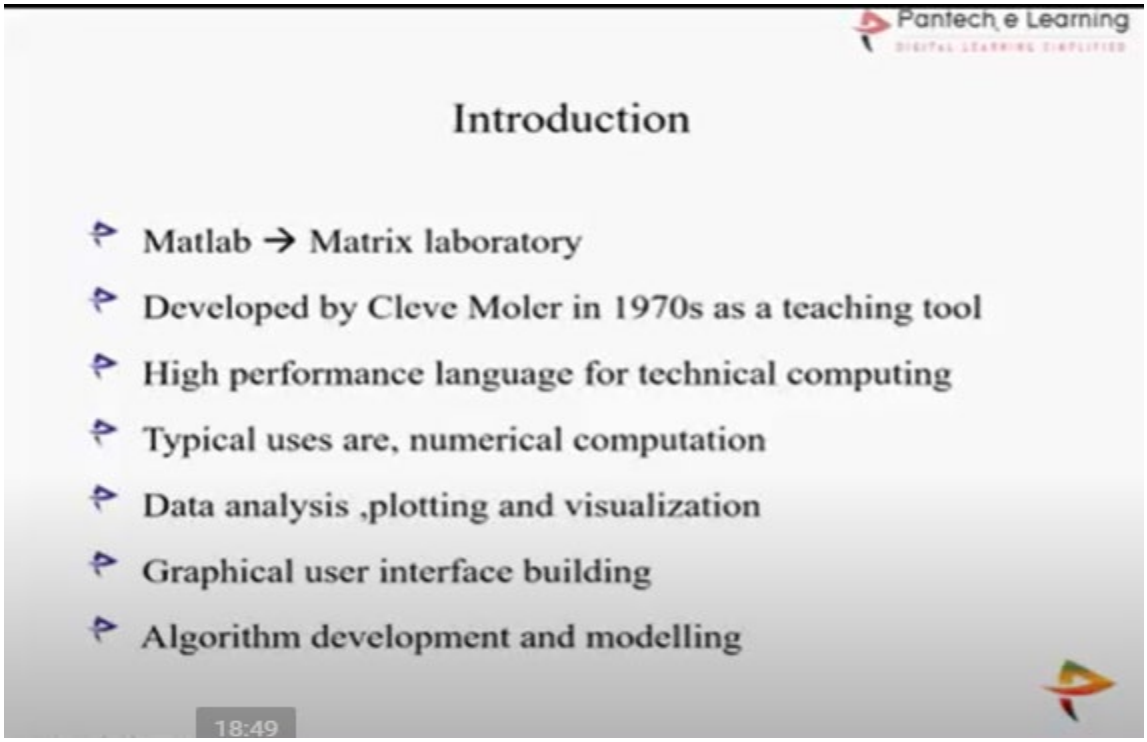
- IMAGE
- TYPES OF IMAGES
- IMAGE FILE FORMATS
- LAB SESSION PROCESS

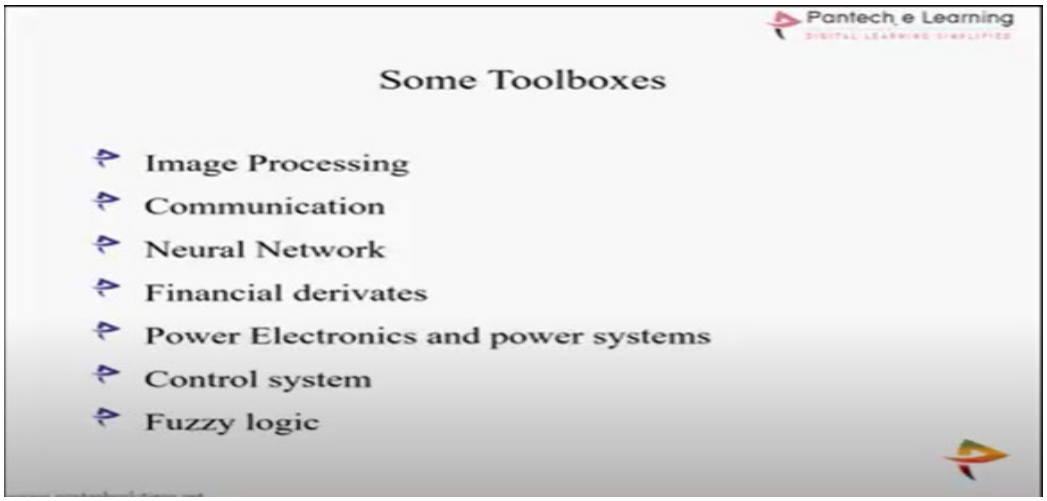
Pantech e Learning

Way of image processing

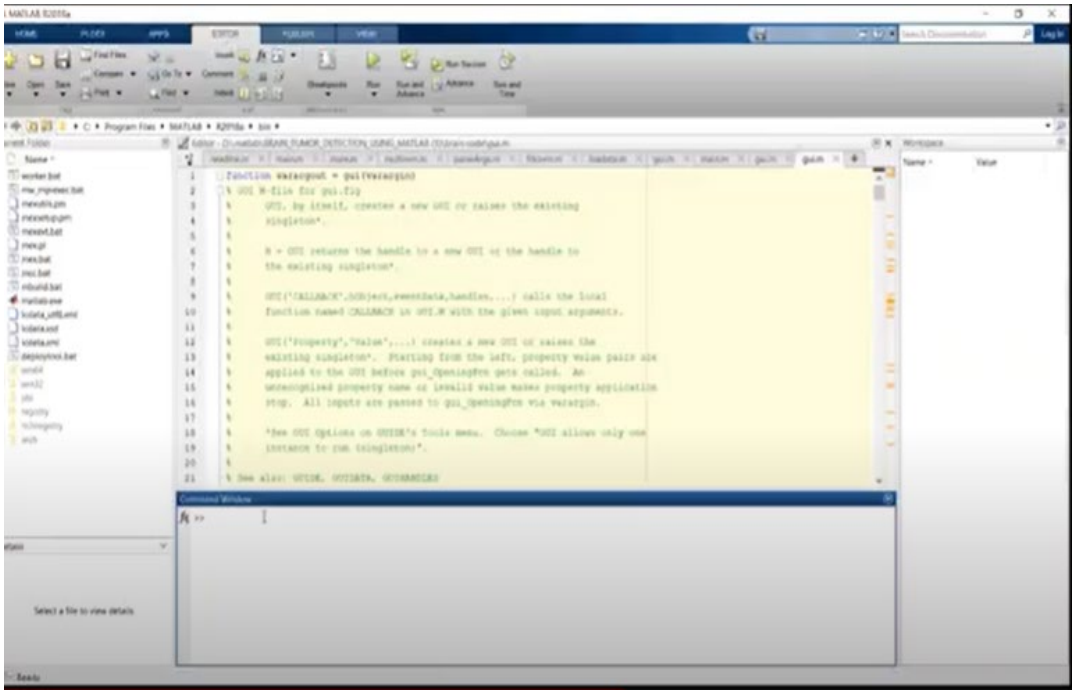


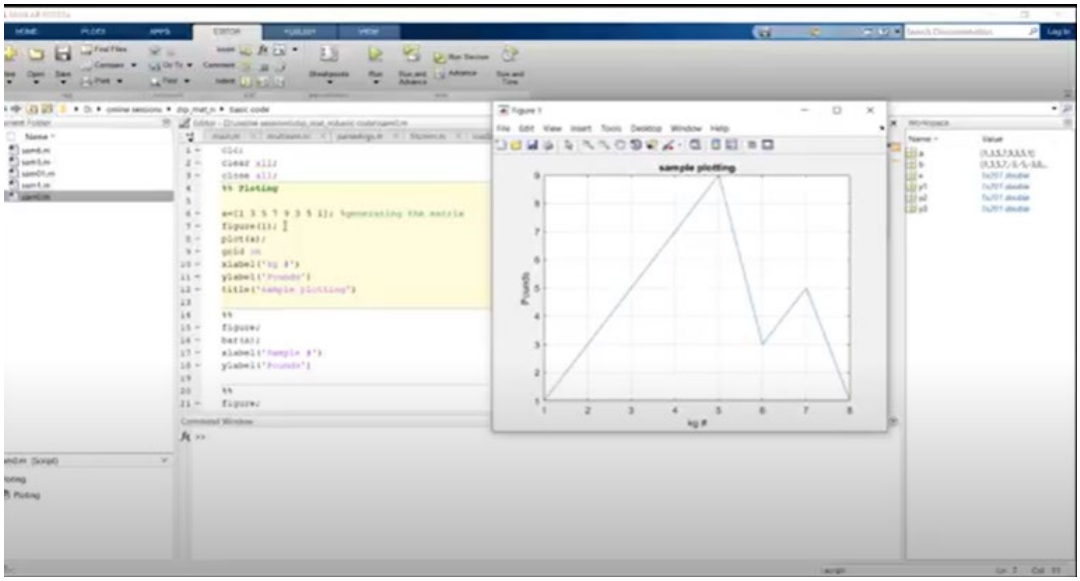
The second session was on MatLab, taken by Mr. **K. Kalyan Kumar.** He comprehensively explained about Matlab and mentioned the tools, windows available in it.





Matlab Window

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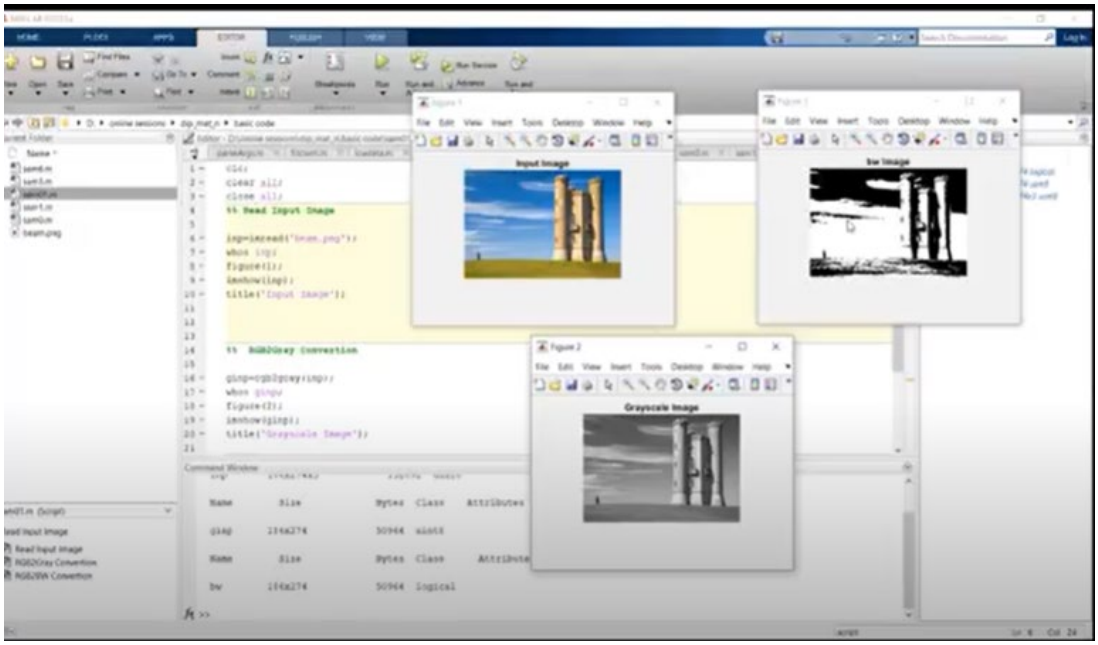
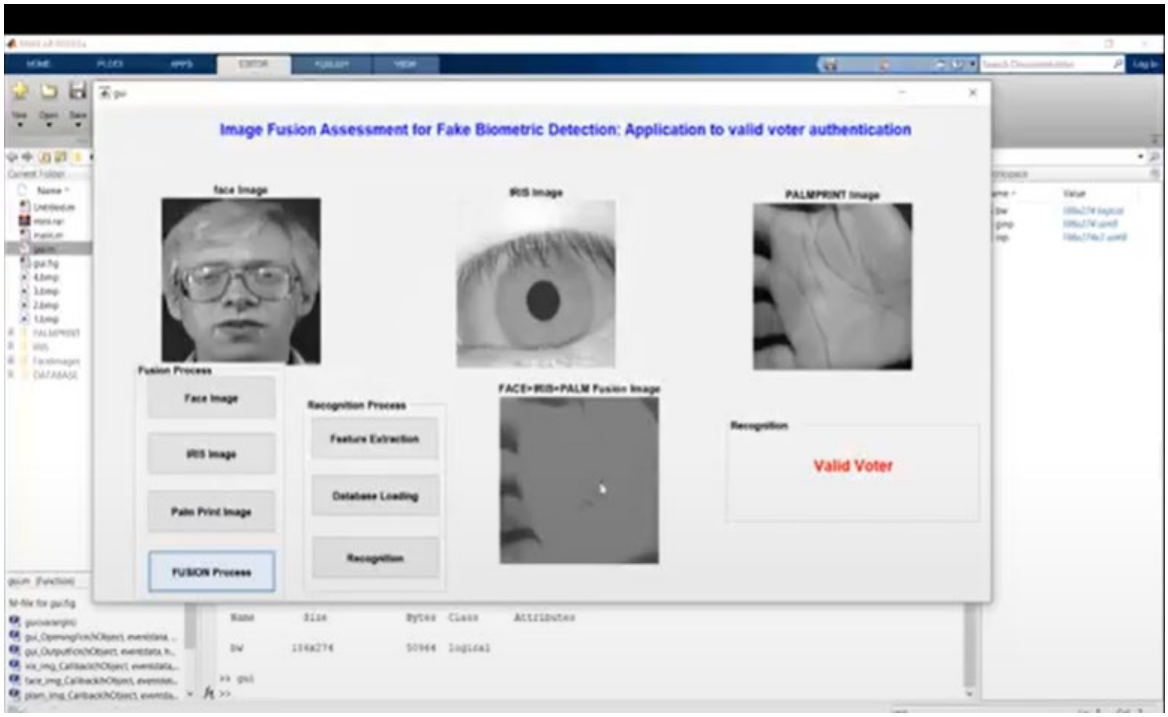
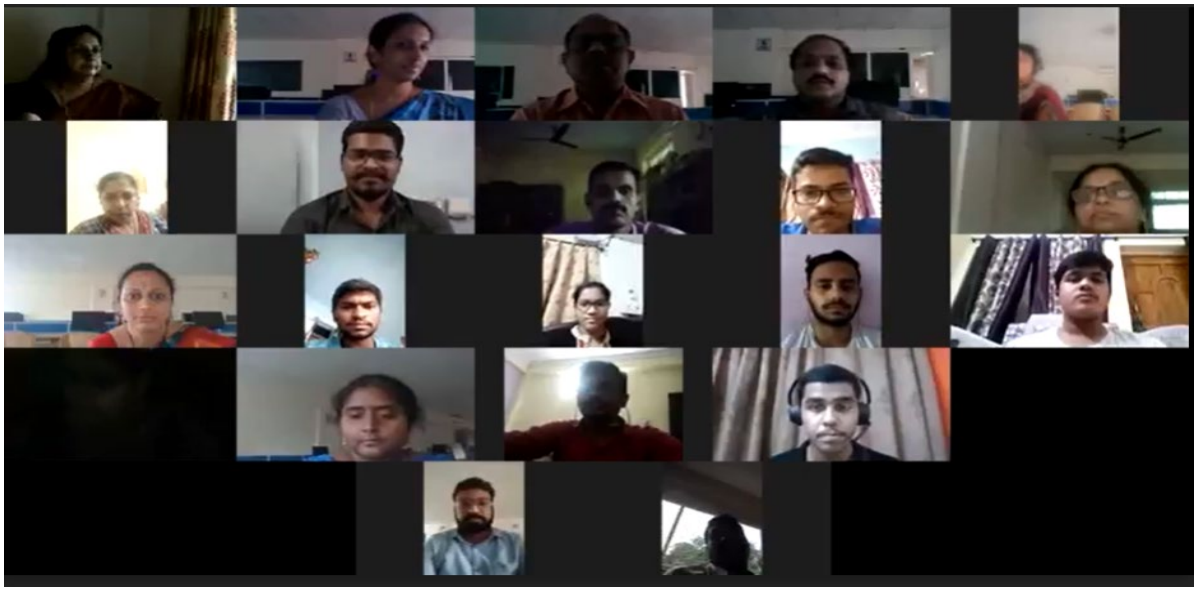


He also briefed on a few Future extraction Image processing technologies such as recognition, segmentation, enhancement, classification, fusion and noise removal, Black and white conversion images.



Mrs S Jayalakshmi, Lecturer, Department of Computer Science summarised the day and thanked Mr. K. Kalyan Kumar, Mrs K.V.B. Saraswathi and all the participants of the webinar.



Day 2(5.10.2021)- Report

Day 2 began with Mrs. S Jayalakshmi, introducing the speaker Mr. K. Kalyan Kumar, Senior project Engineer, DSP, Pantech Solutions Pvt. Ltd, Hyderabad, He spoke on "**Steganography".**

He mentioned various Segmentation techniques, wavelet transformations, Applications of Steganography, Protection of data

Screenshots

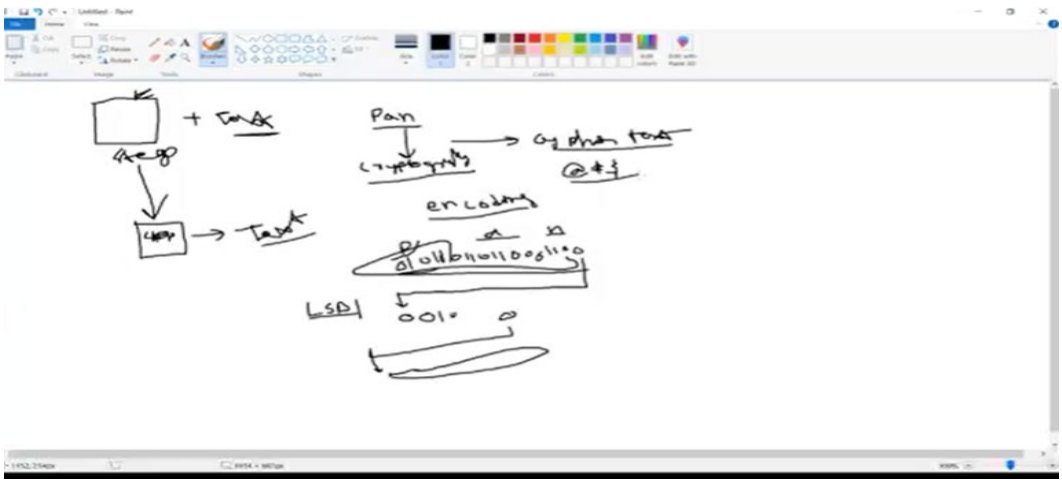
Pantech e Learning

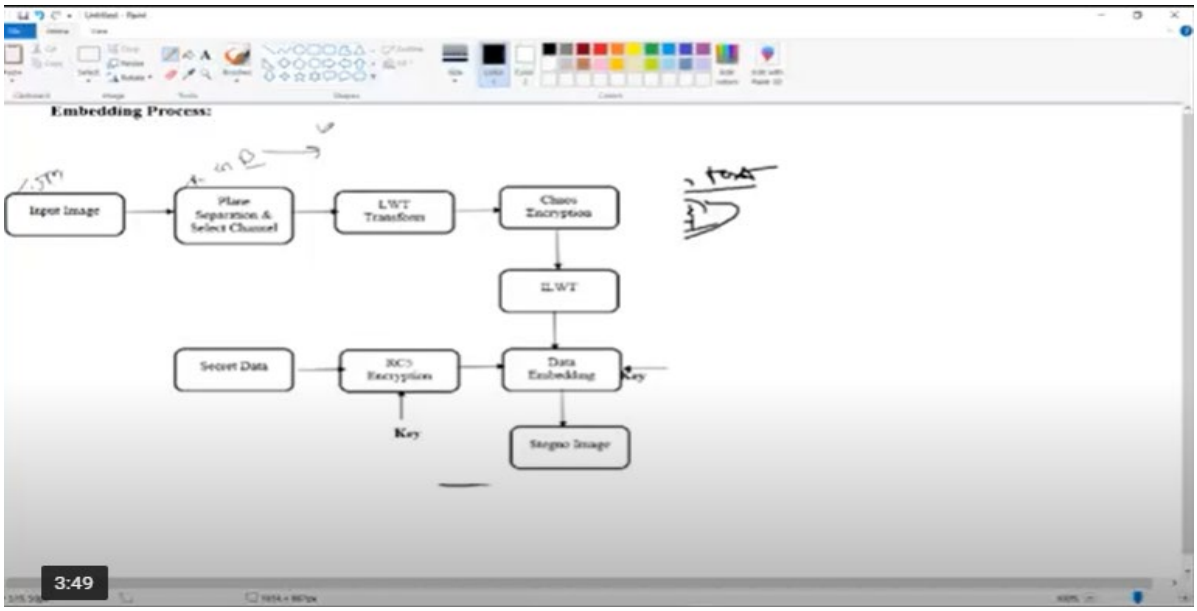
Concept

An enhancement of data protection system for secret communication using reserve room in encrypted images based on texture analysis with lifting wavelet is proposed here.

The wavelet will decompose the image into four frequency sub bands namely LL, LH, HL and HH. These coefficients are then utilized in the encoder for removing the redundancies.

www.pantechelearning.com





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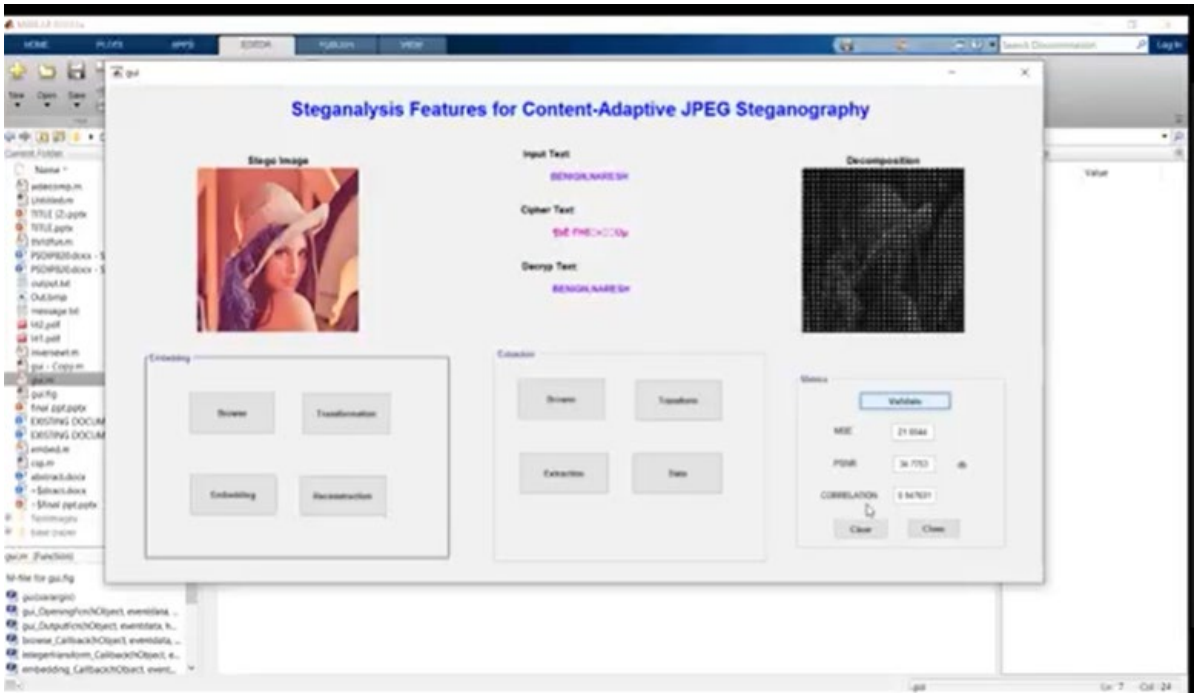
Steganalysis Features for Content-Adaptive JPEG Steganography
Stego Image
Input Text:
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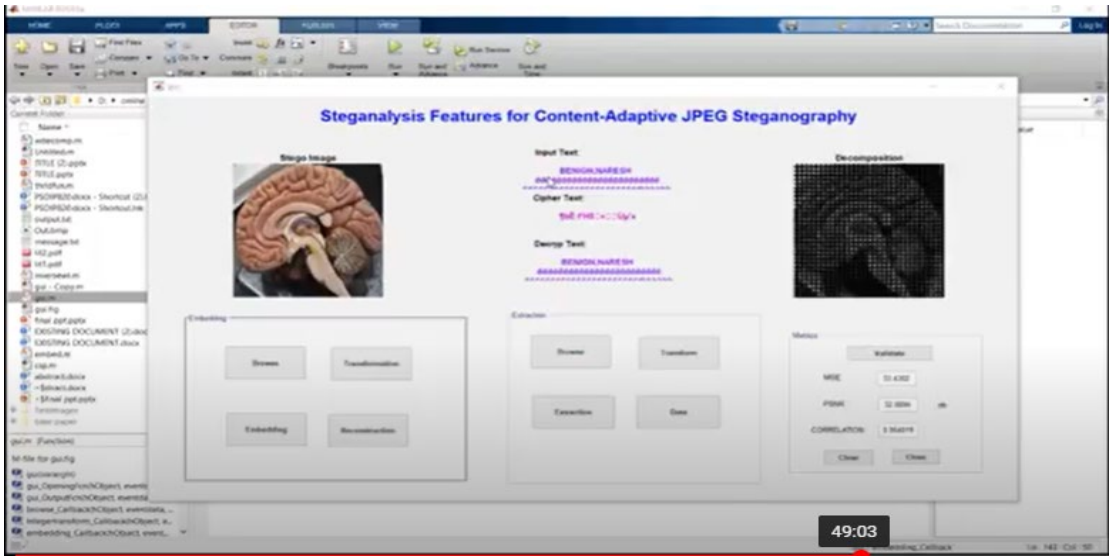
Cipher Text:
Decrypt Text:
BENGALNARESH
Decomposition


Steganalysis Features for Content-Adaptive JPEG Steganography
Stego Image
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Cipher Text:
Decrypt Text:
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Decomposition
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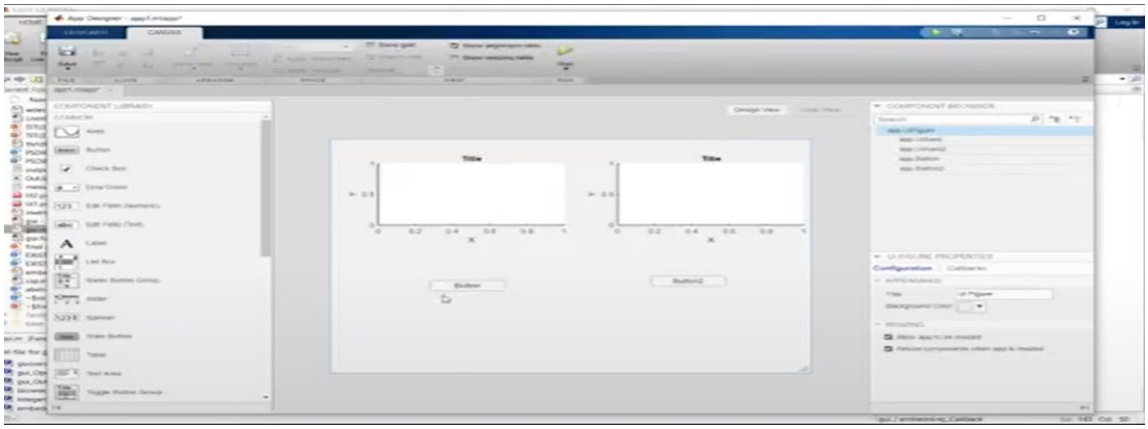
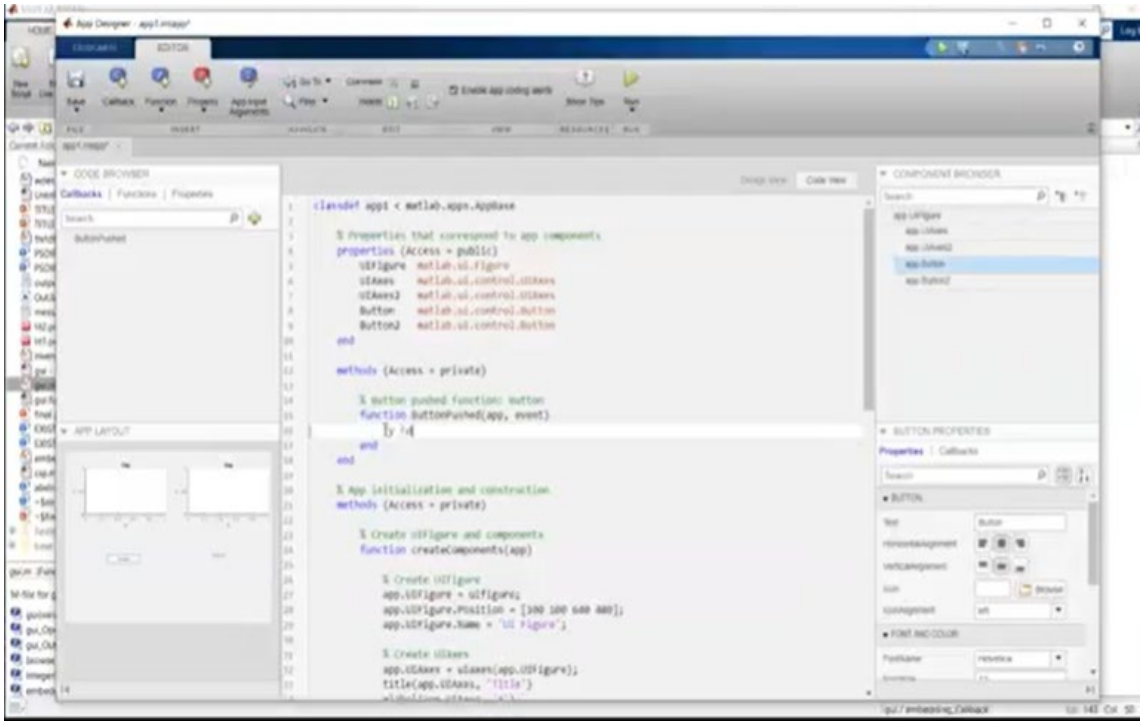
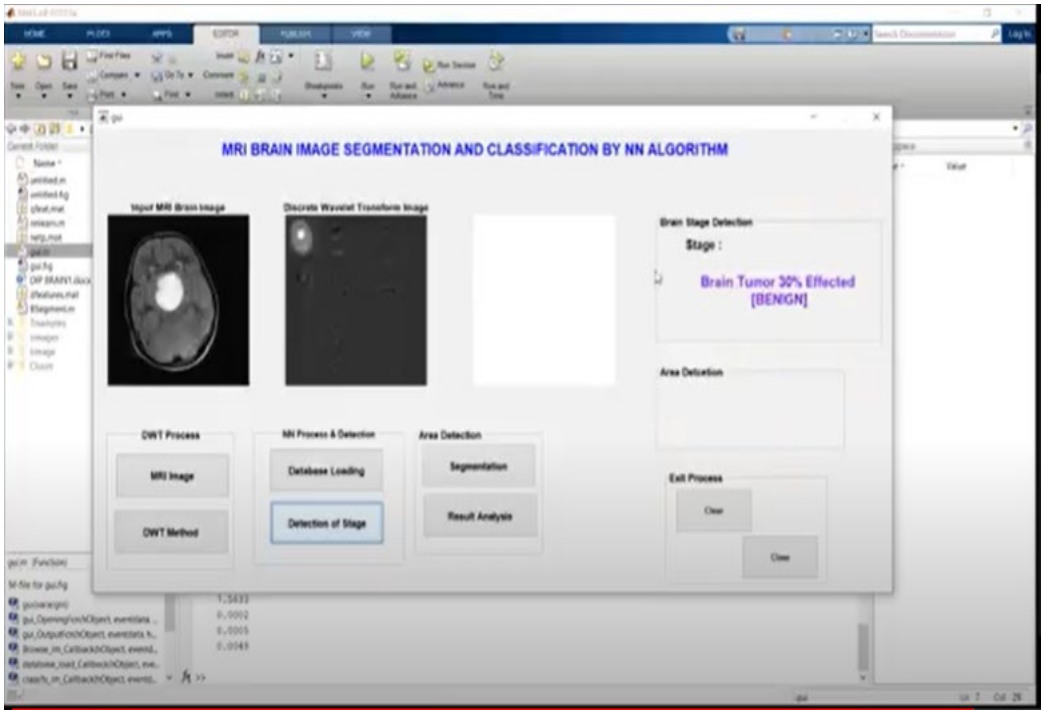
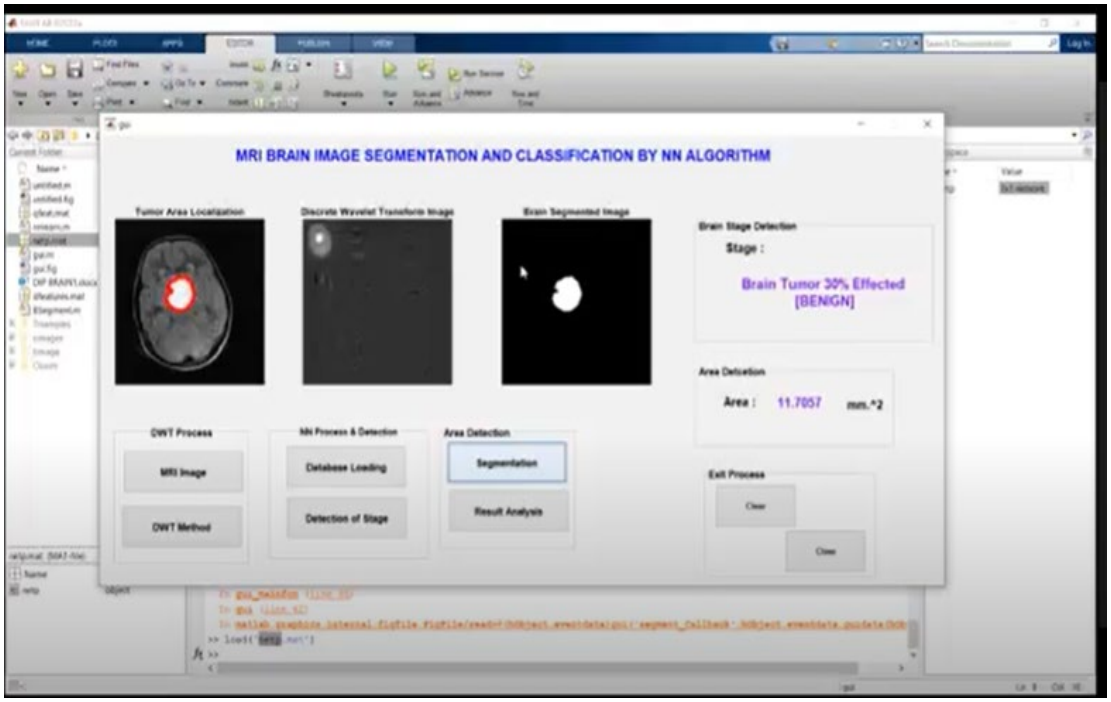


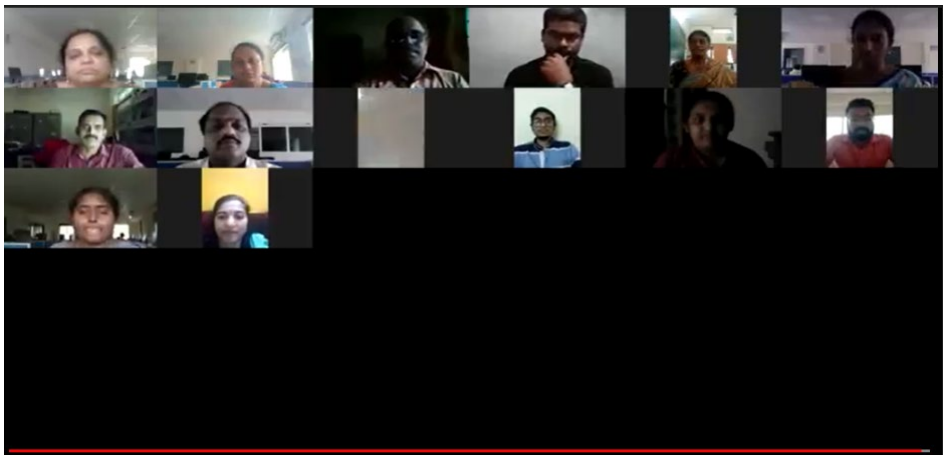

App Designer - app1.mlapp
CODE BROWSER
Callbacks | Functions | Properties
ButtonPushed
APP LAYOUT
COMPONENT BROWSER
BUTTON PROPERTIES
classdef app1 < matlab.apps.AppBase
% Properties that correspond to app components
properties (Access = public)
UIFigure matlab.ui.Figure
UIAxes matlab.ui.control.UIAxes
UIAxes2 matlab.ui.control.UIAxes
Button matlab.ui.control.Button
Button2 matlab.ui.control.Button
end
methods (Access = private)
% Button pushed function: Button
function ButtonPushed(app, event)
end
end
% App initialization and construction
methods (Access = private)
% Create UIFigure and components
function createComponents(app)
% Create UIFigure
app.UIFigure = uifigure;
app.UIFigure.Position = [100 100 640 480];
app.UIFigure.Name = 'UI Figure';
% Create UIAxes
app.UIAxes = uiaxes(app.UIFigure);
title(app.UIAxes, 'Title')


gui
MRI BRAIN IMAGE SEGMENTATION AND CLASSIFICATION BY NN ALGORITHM
Input MRI Brain Image
Discrete Wavelet Transform Image
Brain Stage Detection
Stage :
Brain Tumor 30% Effected
[BENIGN]
Area Detection
DWT Process
MRI Image
DWT Method
NN Process & Detection
Database Loading
Detection of Stage
Area Detection
Segmentation
Result Analysis
Exit Process
Clear
Close



Valedictory Session:

Mrs. K Padma Priya hosted the valedictory session. Mrs. K.V.B Saraswathi presented a report on 2 Day Webinar on **" Real –Time Applications on Digital Image Processing and Network Security Applications Using Deep Learning Tools with Matlab"**



Mr. N Bhaskar, proposed vote of thanks for Day 2 of the Webinar and thanked Sri Air Cmdr. (Retd) JLN Sastry VSM, Vice Chairman, Bharatiya Vidya Bhavan Sainikpuri Kendra, Prof Y Ashok, Principal BVC, Mrs. B Niraimathi Vice Principal BVC and Mrs. K.V. B. Saraswathi Head Dept of Computer Science.

He expressed his gratitude to the eminent speaker , **Mr. K. Kalyan Kumar, Senior project Engineer, DSP, Pantech Solutions Pvt. Ltd, Hyderabad, for taking the sessions.**

Closing the session, he thanked Mr. Sridhar, Office Superintendent, BVC, for all the support.

Workshops
A Report on
5 Day Workshop on PHP with MYSQL

Bharatiya Vidya Bhavan

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PHP WITH MYSQL WORKSHOP

for BCA/B.Sc IInd and IIIrd year Students

from 29-11-2021 TO 03-12-2021

3:00 PM TO 4:30PM

Organized by

Department of Computer Science

Under DBT-Star College Scheme

Resource Person

Singoji Vinay Kumar Chary

Program Officer - IT
Watershed Support Services and Activities Network
Nagole, Hyderabad, Telangana

E-Certificate will be provided

Platform Teams : Click here

Coordinators:

Mr. N. Bhaskar
9347983943
Mr. G. Mahesh Kumar
9849874907

A Report on
5 Day Workshop on PHP with MYSQL
29th November to 3rd December 2021

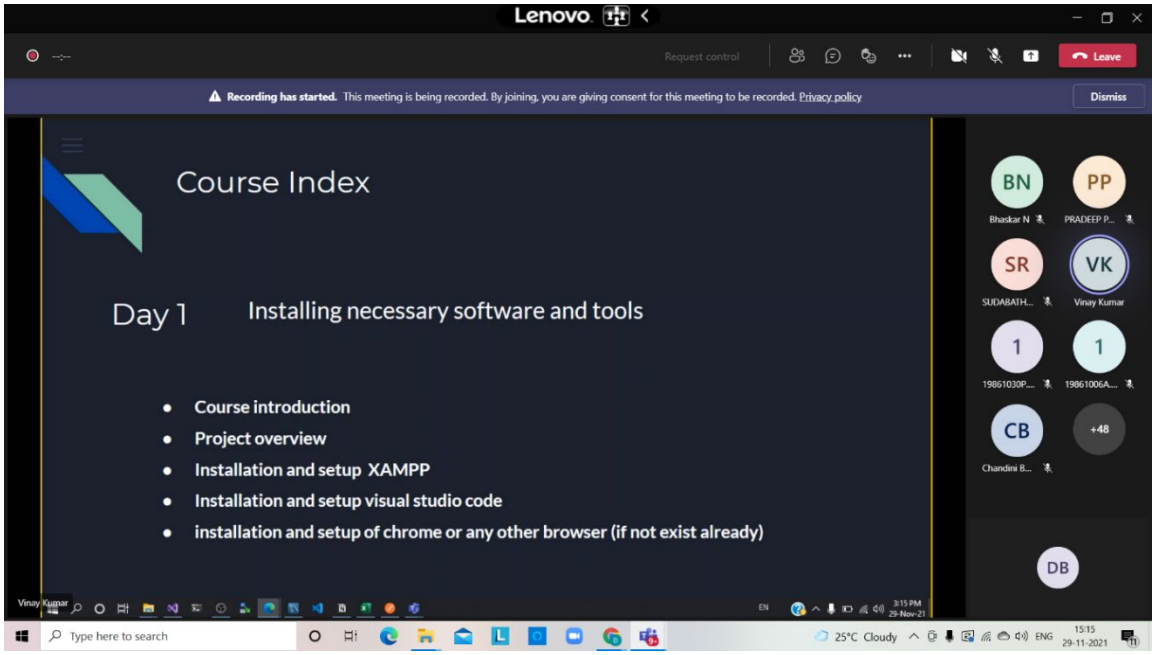
Department of Computer Science had organized 5 Day Workshop on PHP with MYSQL through online mode under **DBT- Star College Scheme**, from 29th November to 3rd December 2021 for B.Sc and BCA II and III year students.

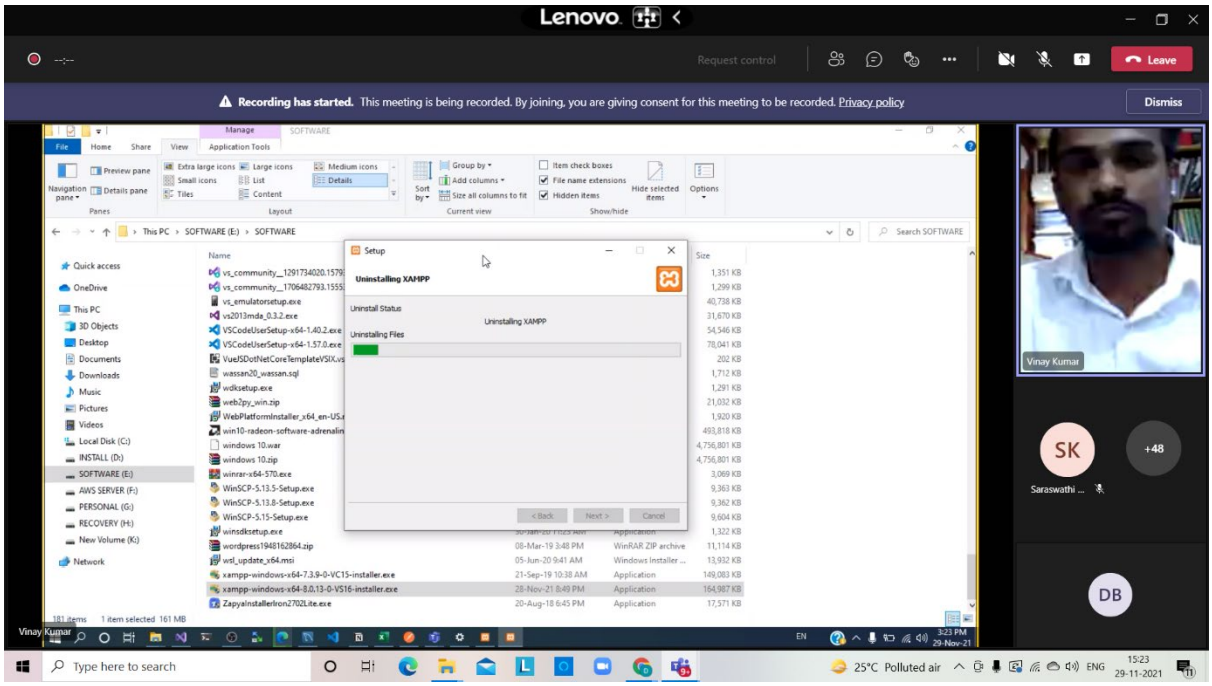
The Resource person invited for the session was, Mr.S Vinay Kumar Chary Program Officer - IT Watershed Support Services and Activities Network Nagole, Hyderabad, Telangana.

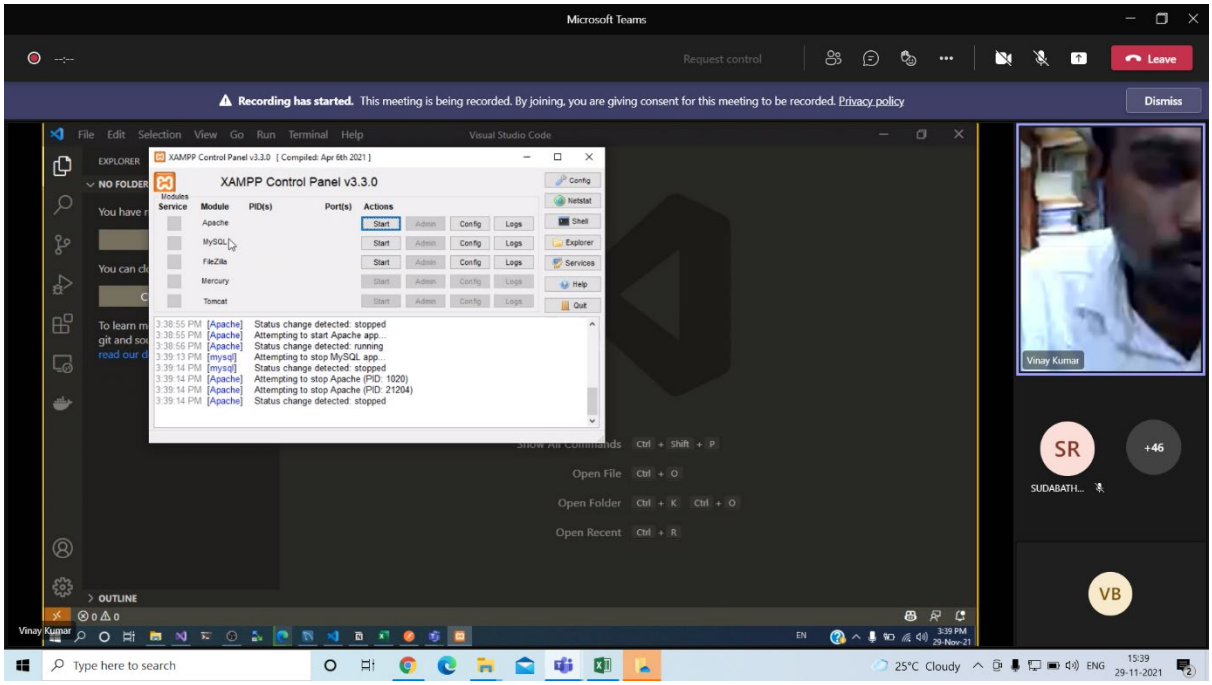
The workshop started at 3:00 p.m with the welcome address given by Mr.N.Bhaskar, Lecturer, Department of Computer Science welcomed him as Alumini of Bhavan's Vivekananda College. The session was taken over by Mr.Vinay Kumar , he briefed about day wise schedule for 5 Day workshop and gave introduction about PHP and MY SQL There were a total of 100 participants including faculty and students of various streams for the Workshop.

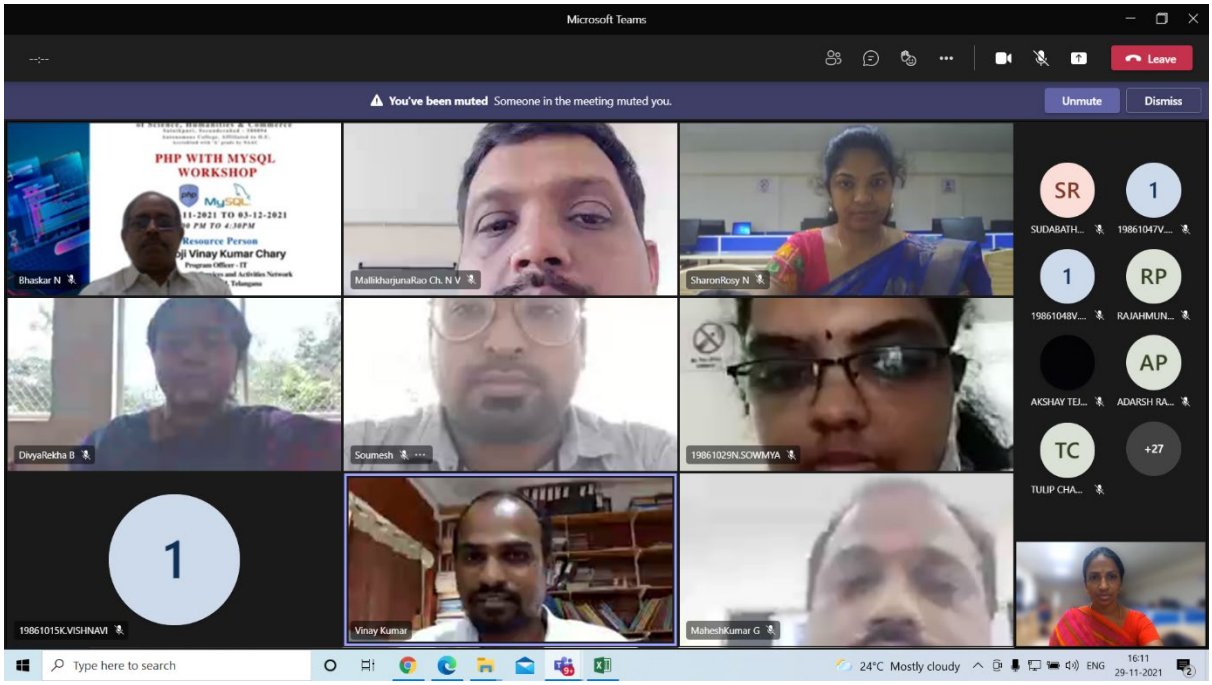
The five-day schedule:

Day 1:
He explained about necessary tools needed to install and explained how to setup visual studio code practically and also highlighted the points on project implementation basing on these tools.


Lenovo
Request control
Leave
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
Course Index
Day 1
Installing necessary software and tools
Course introduction
Project overview
Installation and setup XAMPP
Installation and setup visual studio code
installation and setup of chrome or any other browser (if not exist already)
BN
Bhaskar N
PP
PRADEEP P...
SR
SUDABATH...
VK
Vinay Kumar
1
19861030P...
1
19861006A...
CB
Chandini B...
+48
DB
Vinay Kumar
Type here to search
25°C Cloudy
ENG
15:15
29-11-2021


Lenovo
Request control
Leave
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
Setup
Uninstalling XAMPP
Uninstall Status
Uninstalling XAMPP
Uninstalling Files
Vinay Kumar
SK
Saraswathi ...
+48
DB
Vinay Kumar
Type here to search
25°C Polluted air
ENG
15:23
29-11-2021



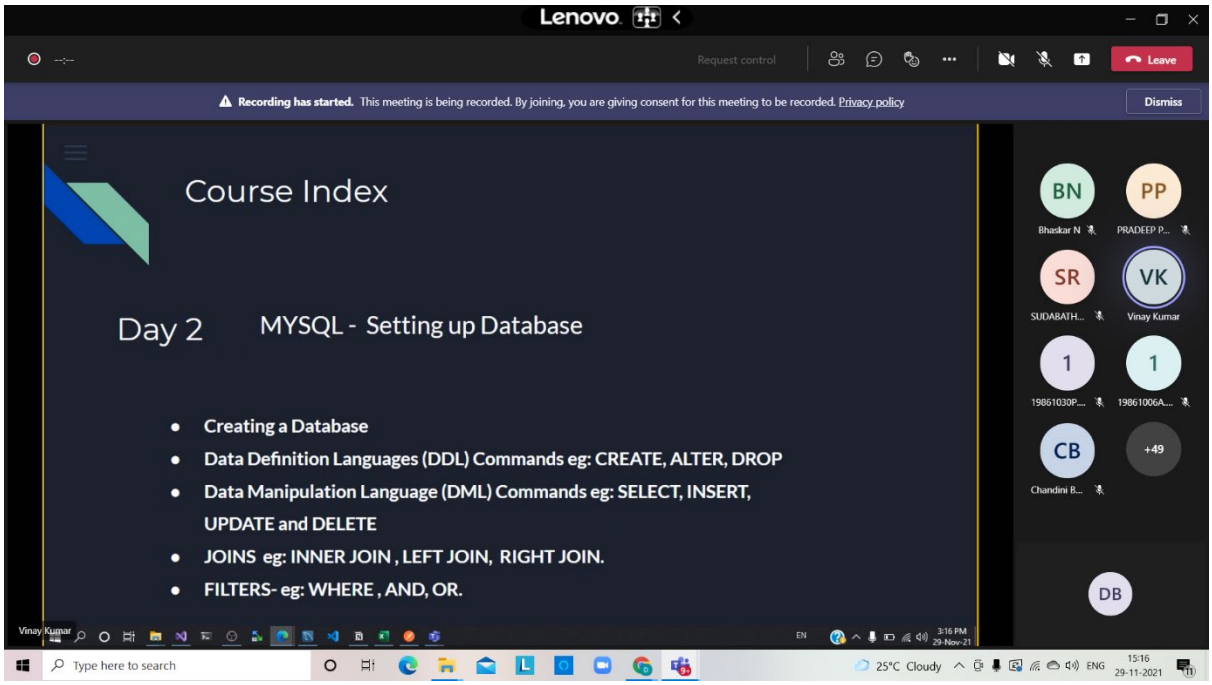


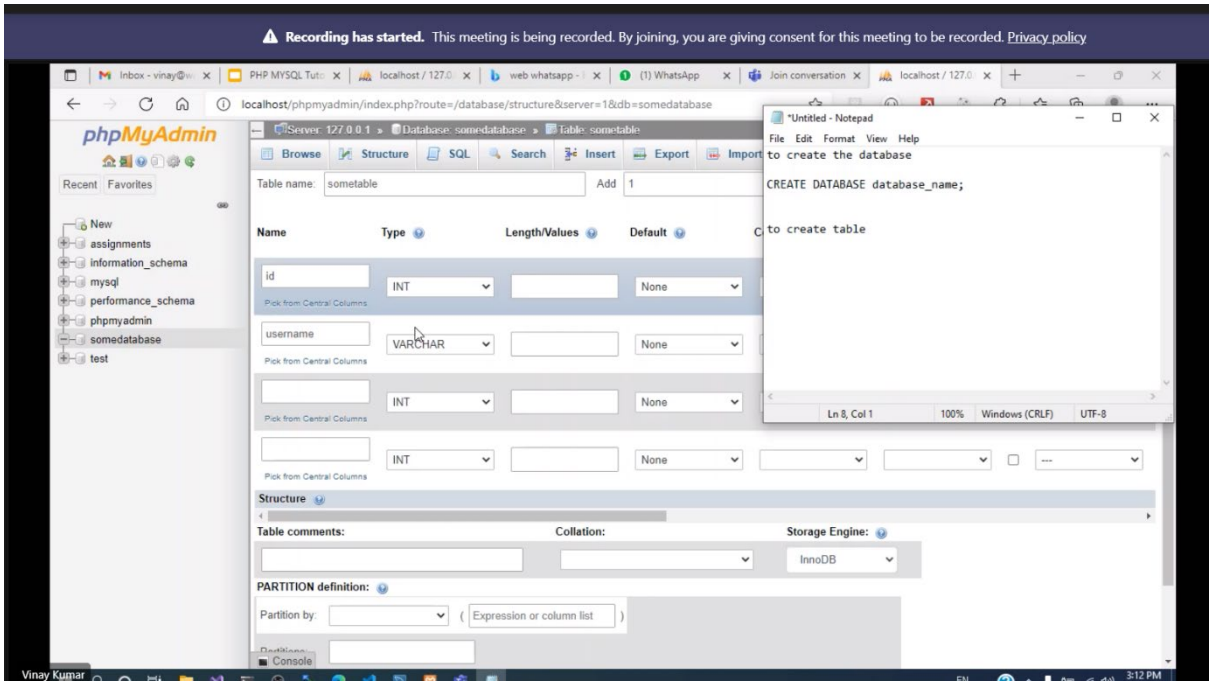
Day 2:

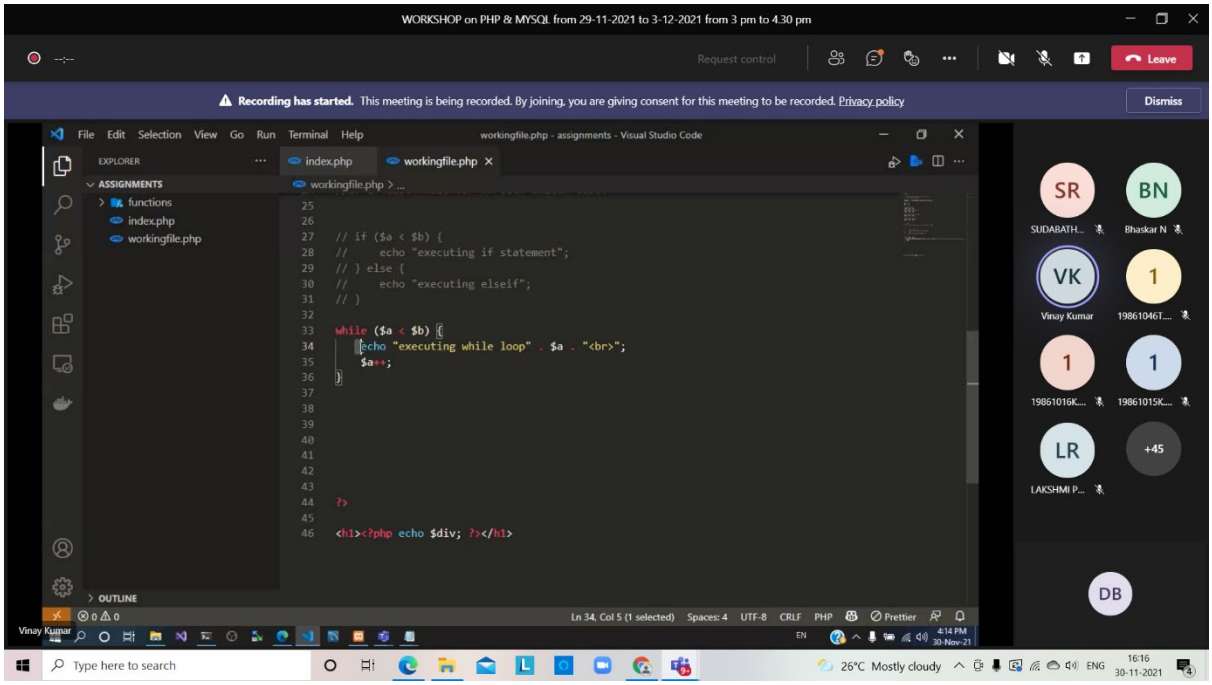
Day 2 Session started with MYSQL Mr. S Vinay Kumar explain creating Database and table in SQL and assigning datatypes to the variables using the software and practically showed students to execute queries

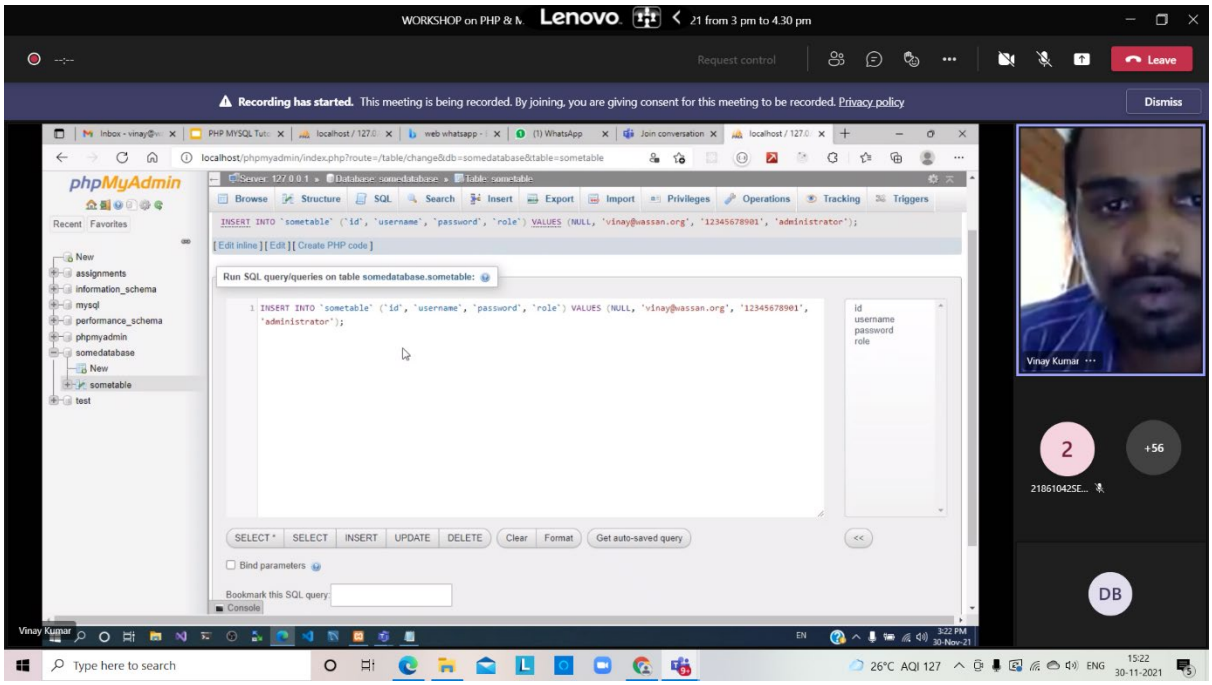
He explained queries on DDL commands like CREATE, ALTER, DROP ETC.
Showed how to implement Filters like WHERE, AND, OR.

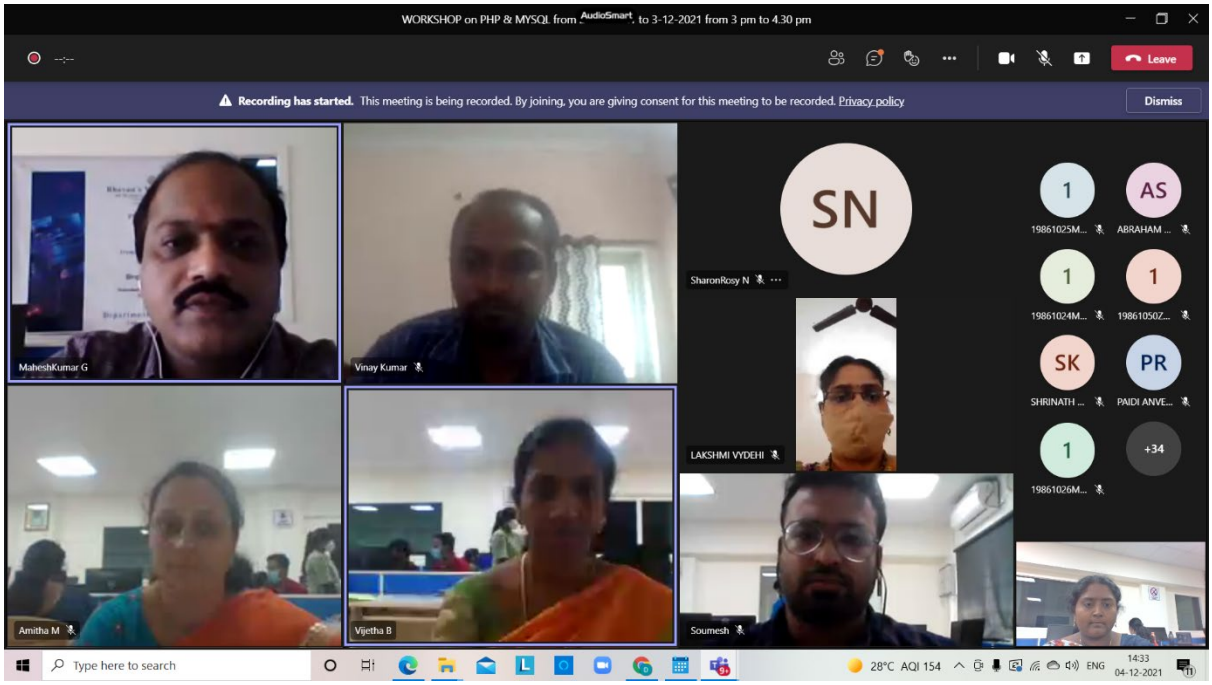
Mr. Vinay Kumar explained about types of JOINS like INNER JOIN, RIGHT JOIN, LEFT JOIN and practically executed queries on joins.






WORKSHOP on PHP & MYSQL from 29-11-2021 to 3-12-2021 from 3 pm to 4.30 pm
Leave
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
workingfile.php - assignments - Visual Studio Code
index.php
workingfile.php
// if ($a < $b) {
// echo "executing if statement";
// } else {
// echo "executing elseif";
// }
while ($a < $b) {
echo "executing while loop" . $a . "<br>";
$a++;
}
?>
<h1><?php echo $div; ?></h1>
SR
BN
VK
1
1
1
LR
+45
DB
Vinay Kumar
Type here to search
26°C Mostly cloudy
16:16
30-11-2021


WORKSHOP on PHP & M
21 from 3 pm to 4.30 pm
Leave
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
localhost/phpmyadmin/index.php?route=/table/change&db=somedatabase&table=sometable
phpMyAdmin
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
INSERT INTO `sometable` (`id`, `username`, `password`, `role`) VALUES (NULL, 'vinay@wassan.org', '12345678901', 'administrator');
Run SQL query/queries on table somedatabase.sometable:
SELECT *
SELECT
INSERT
UPDATE
DELETE
Clear
Format
Get auto-saved query
Bind parameters
Bookmark this SQL query
Console
Vinay Kumar
2
+56
DB
Type here to search
26°C AQI 127
15:22
30-11-2021



Day :3

The 3rd day of Workshop started with basics of PHP its syntax, variables in PHP.Mr. Vinay Kumar described about different types of operators, implementation of Arrays and Functions in PHP and also implementation of it in project

He clearly explained about different FORMS like GET and POST. Mr.Vinay cleared all the doubts of students with good patience and also highlighted on how to connect to database in MY SQL.

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Course Index
Day 3
PHP - Learning Basics
Basic Syntax
Variables
Operators
Arrays
Functions
Forms - GET , POST
MySqli -> (to connect to database)
Type here to search
25°C Cloudy
Lenovo
Leave
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
Vinay Kumar
Bhaskar N
MUDDAM S...
Chandini B...
MaheshKu...
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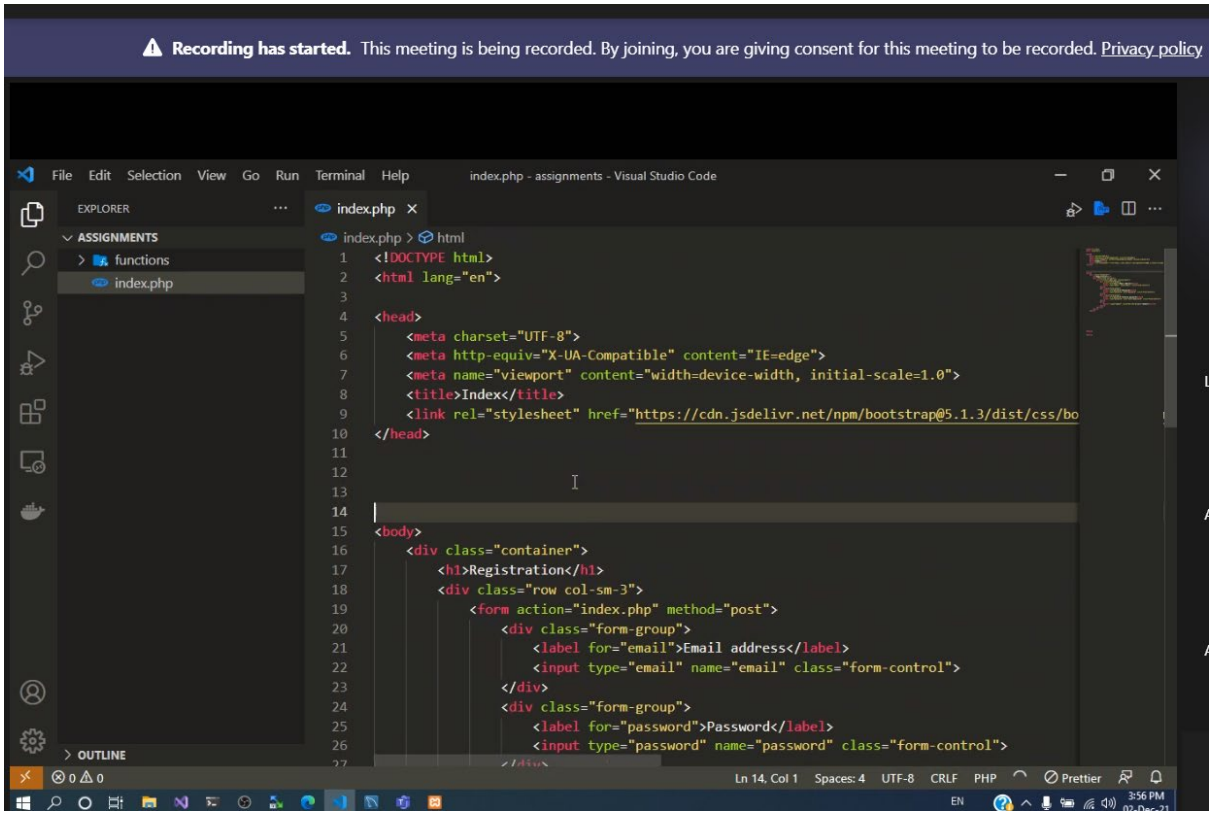
+37
DB
Type here to search
25°C Cloudy
ENG
15:11
29-11-2021

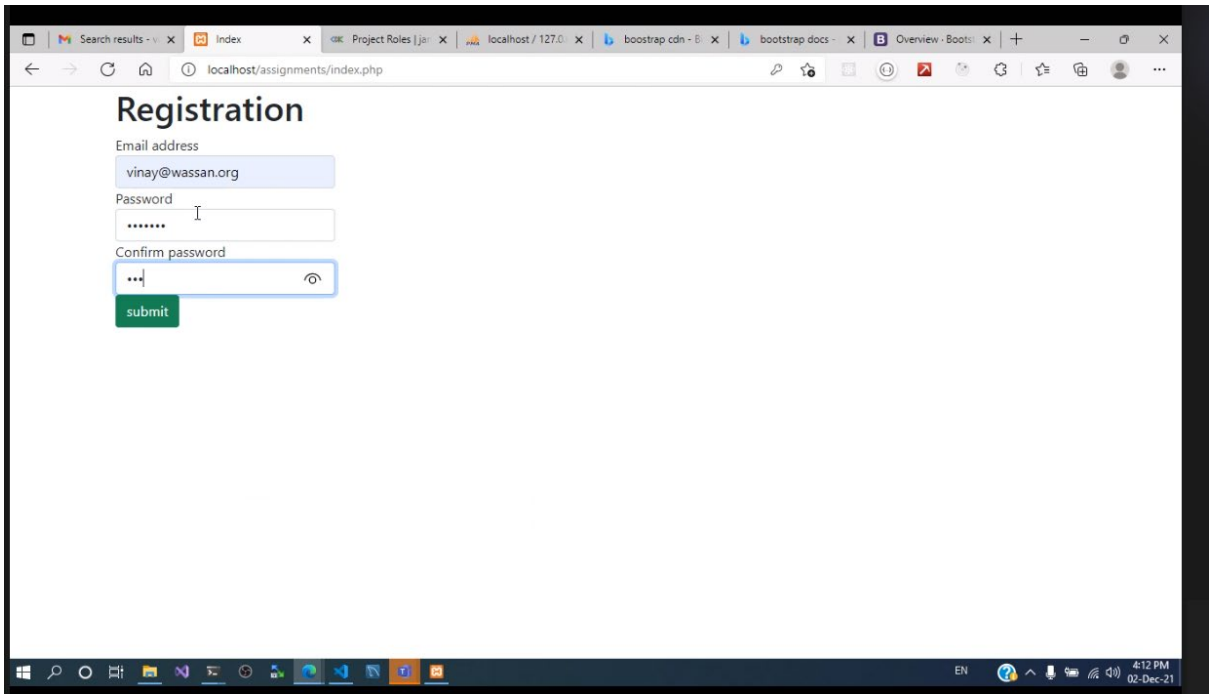

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
File Edit Selection View Go Run Terminal Help
index.php - assignments - Visual Studio Code
EXPLORER
ASSIGNMENTS
functions
index.php
index.php
index.php > html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Index</title>
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bo
</head>
<body>

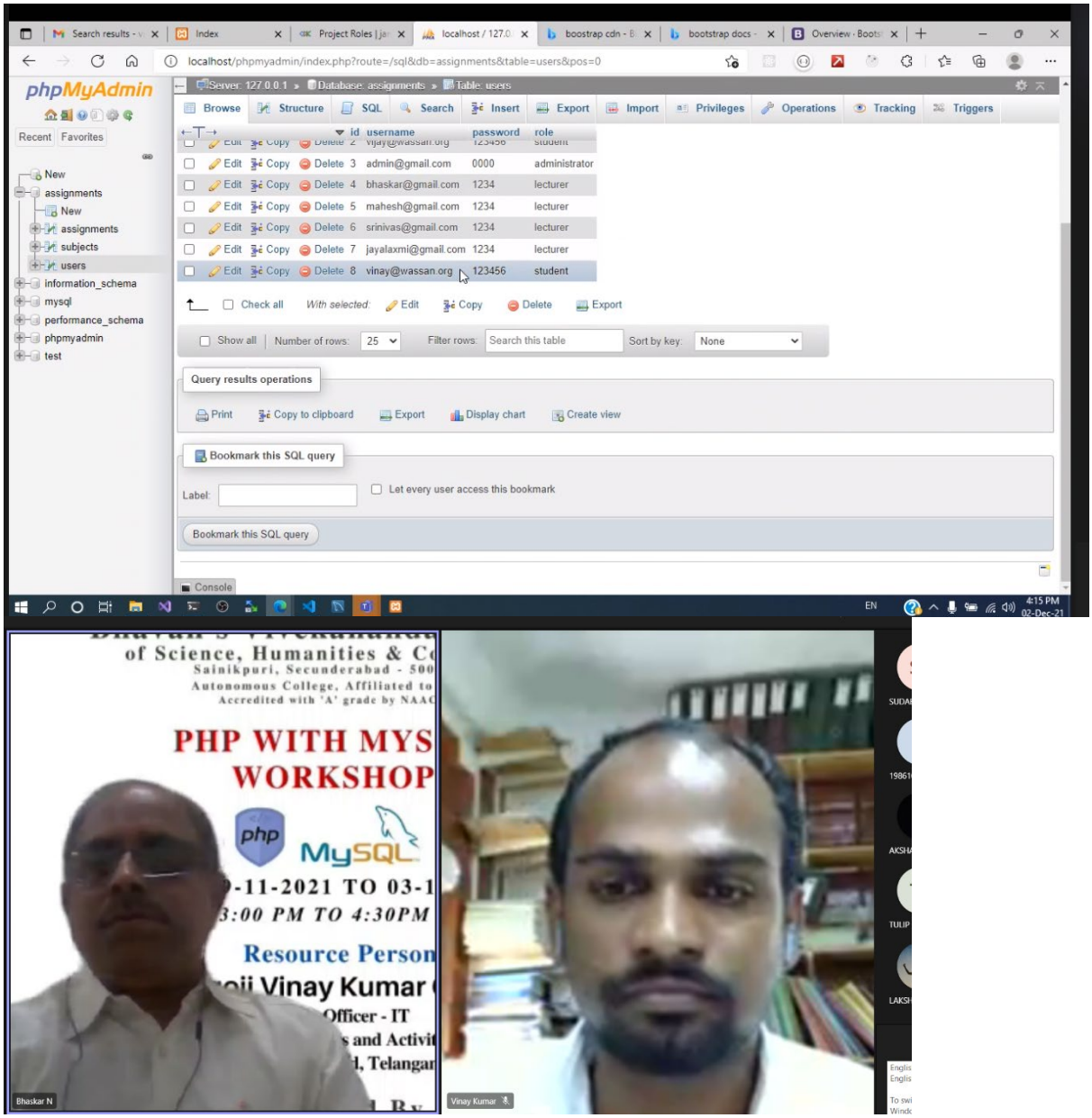
<h1>Registration</h1>

<form action="index.php" method="post">

<label for="email">Email address</label>
<input type="email" name="email" class="form-control">

<label for="password">Password</label>
<input type="password" name="password" class="form-control">
OUTLINE
Ln 14, Col 1 Spaces: 4 UTF-8 CRLF PHP Prettier
3:56 PM
02-Dec-21


localhost/assignments/index.php
Registration
Email address
vinay@wassan.org
Password
Confirm password
submit
4:12 PM
02-Dec-21

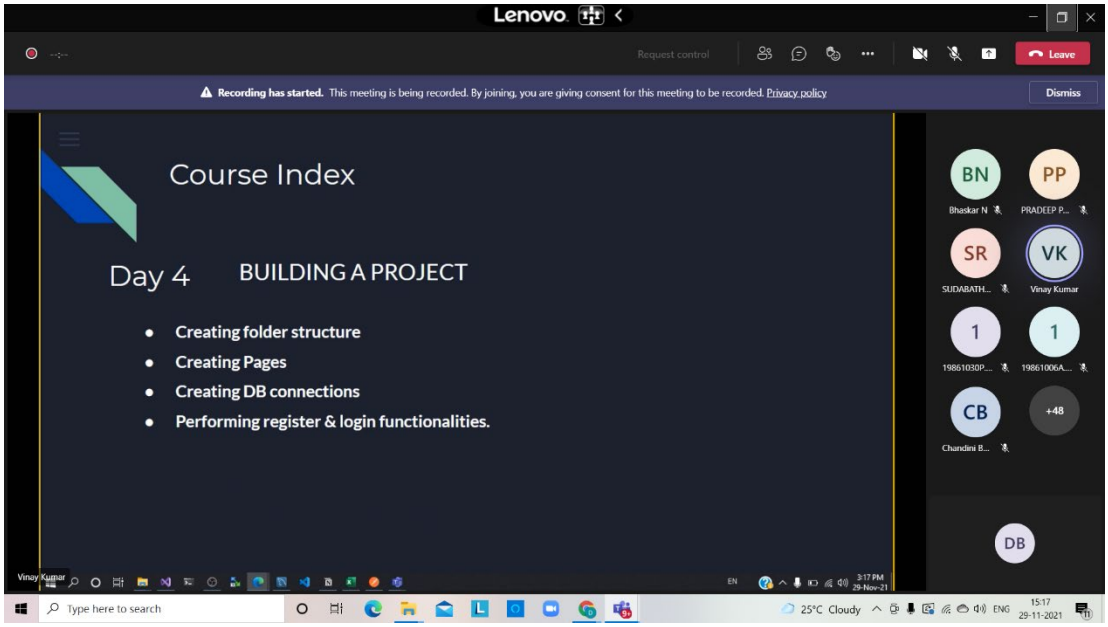


Day 4:

Day 4 of Workshop started with how to build a project. Mr.Vinay just briefed about the previous day topics and started session by explaining how to create Folder structure and create pages in the Folder .

He created live Database and showed clearly how to connect the Databases in PHP. He has taken live example of “Register Database” explained how to register and Login formalities.

The session was very informative and students asked many doubts in creating Database and connecting it.


Lenovo
Request control
Leave
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
Course Index
Day 4 BUILDING A PROJECT
Creating folder structure
Creating Pages
Creating DB connections
Performing register & login functionalities.
BN
Bhaskar N
PP
PRADEEP P...
SR
SUDABATH...
VK
Vinay Kumar
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CB
Chandini B...
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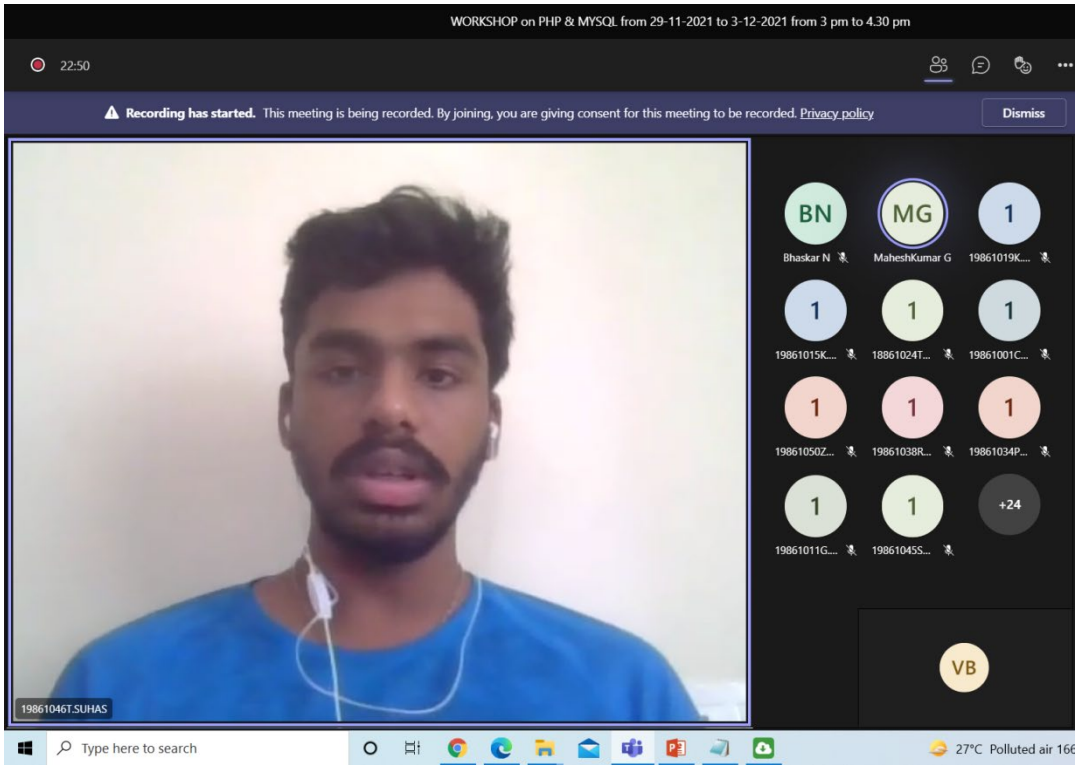
DB
Vinay Kumar
Type here to search
EN
3:17 PM
29-Nov-21
25°C Cloudy
ENG
15:17
29-11-2021


WORKSHOP on PHP & MYSQL from 29-11-2021 to 3-12-2021 from 3 pm to 4.30 pm
22:50
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
19861046T.SUHAS
BN
Bhaskar N
MG
MaheshKumar G
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19861015K...
1
18861024T...
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19861001C...
1
19861050Z...
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19861038R...
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19861011G...
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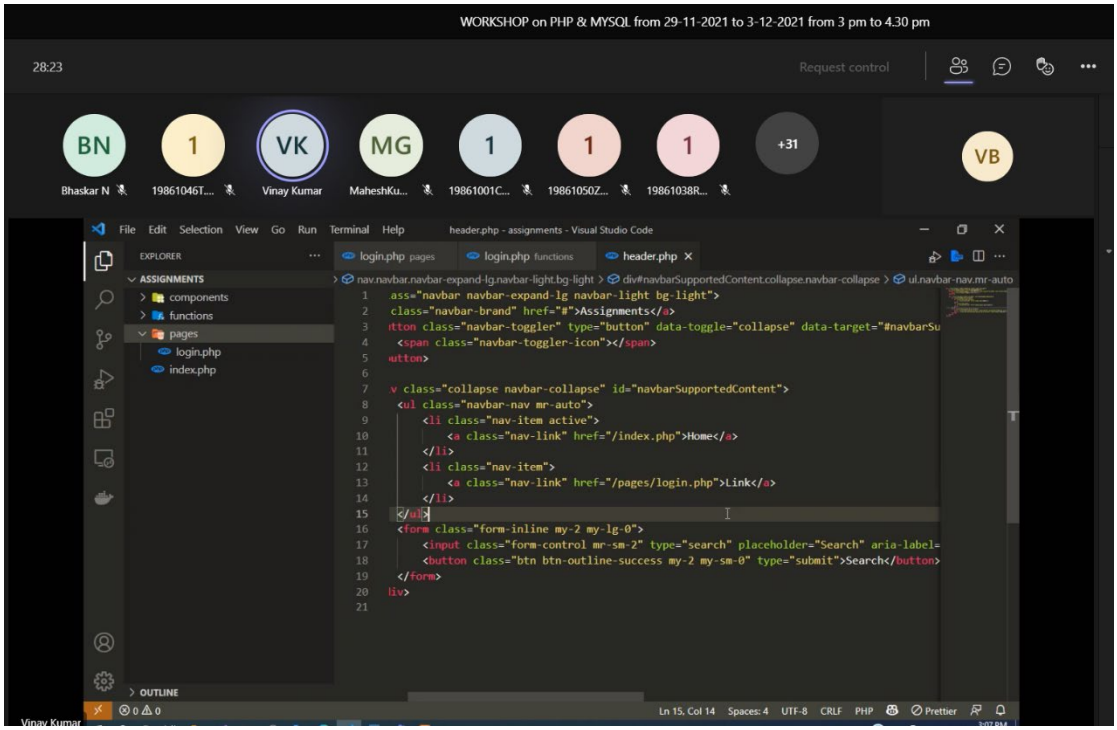
19861045S...
+24
VB
Type here to search
27°C Polluted air 166


WORKSHOP on PHP & MYSQL from 29-11-2021 to 3-12-2021 from 3 pm to 4.30 pm
28:23
Request control
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VK
Vinay Kumar
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MaheshKu...
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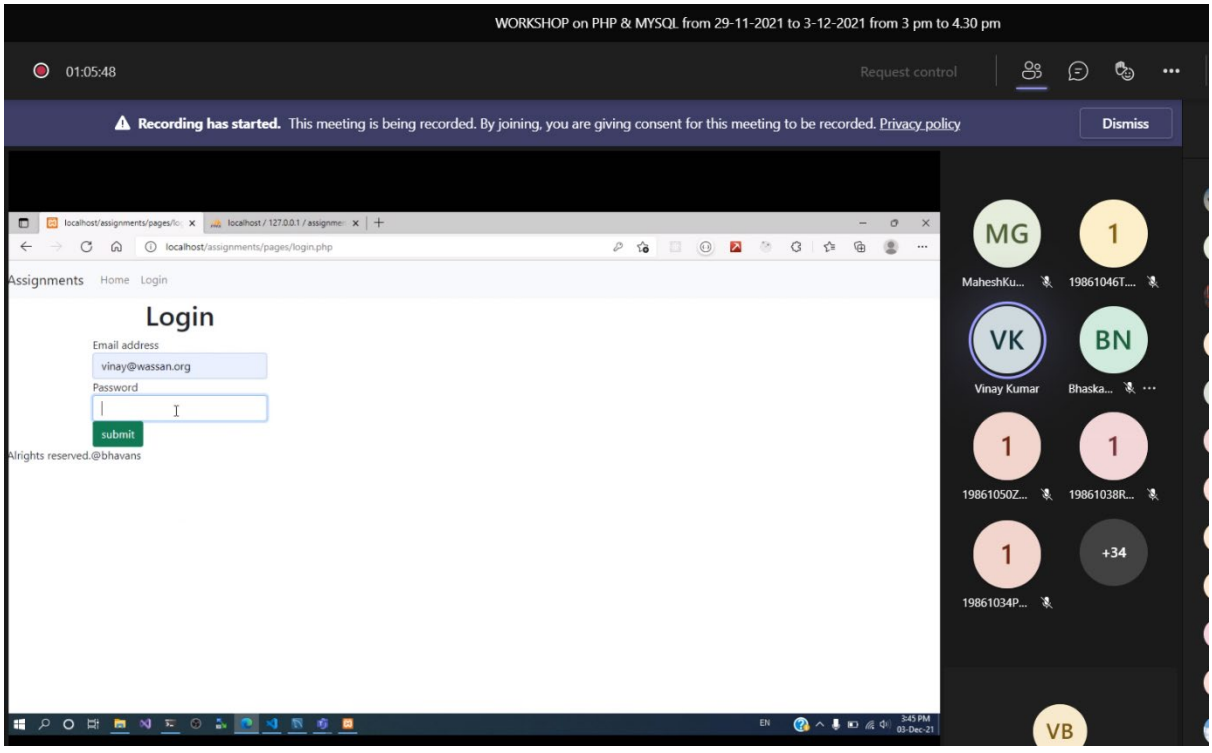
19861001C...
1
19861050Z...
1
19861038R...
+31
VB
File Edit Selection View Go Run Terminal Help
header.php - assignments - Visual Studio Code
EXPLORER
ASSIGNMENTS
components
functions
pages
login.php
index.php
login.php pages
login.php functions
header.php
OUTLINE
Ln 15, Col 14 Spaces: 4 UTF-8 CRLF PHP Prettier


WORKSHOP on PHP & MYSQL from 29-11-2021 to 3-12-2021 from 3 pm to 4.30 pm
01:05:48
Request control
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
localhost/assignments/pages/login.php
Assignments
Home
Login
Login
Email address
vinay@wassan.org
Password
submit
Alrights reserved.@bhavans
MG
MaheshKu...
1
19861046T....
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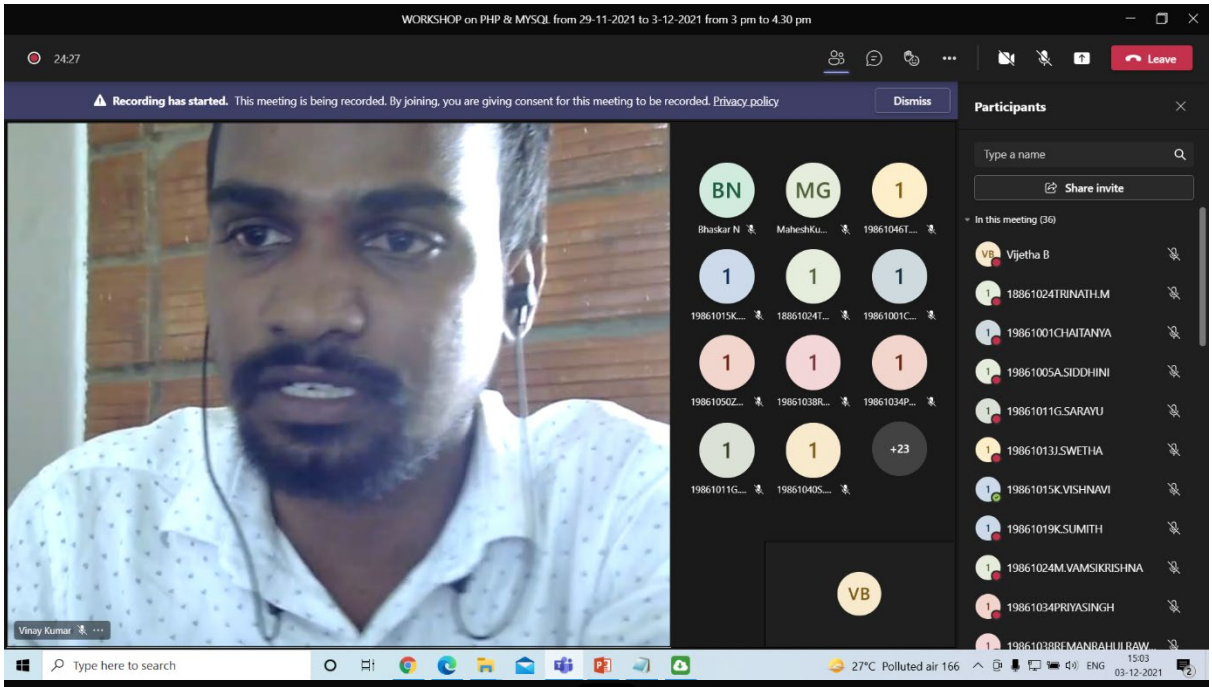
VB

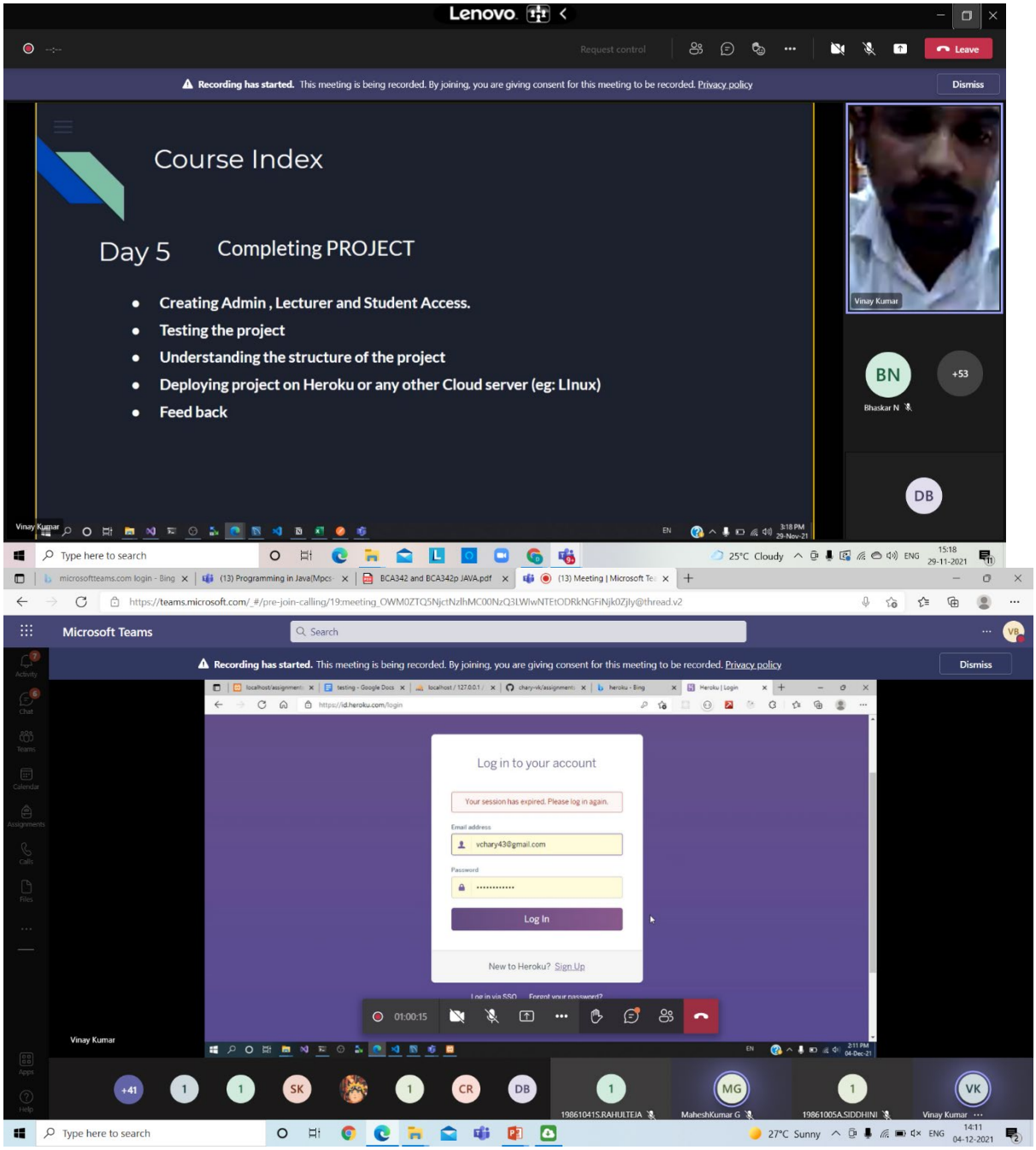


Day 5:

Last day of Workshop started at 3:00 p.m wherein Mr. Vinay Kumar Chary created Admin and explained student access to it in detail.

He described structure of the project,Deploying project on Heroku or any other Cloud Server like Linux.

He also showed how to test the project in detail.


Lenovo
Request control
Leave
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
Course Index
Day 5 Completing PROJECT
Creating Admin , Lecturer and Student Access.
Testing the project
Understanding the structure of the project
Deploying project on Heroku or any other Cloud server (eg: LInux)
Feed back
Vinay Kumar
BN
Bhaskar N
+53
DB
Type here to search
25°C Cloudy
ENG
15:18
29-11-2021
https://teams.microsoft.com/_#/pre-join-calling/19:meeting_OWM0ZTQ5NjctNzlhMC00NzQ3LWIwNTEtODRkNGFiNjk0ZjIy@thread.v2
Microsoft Teams
Search
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
Log in to your account
Your session has expired. Please log in again.
Email address
vchary43@gmail.com
Password
Log In
New to Heroku? Sign Up
01:00:15
Vinay Kumar
+41
SK
CR
DB
MG
MaheshKumar G
VK
Vinay Kumar
27°C Sunny
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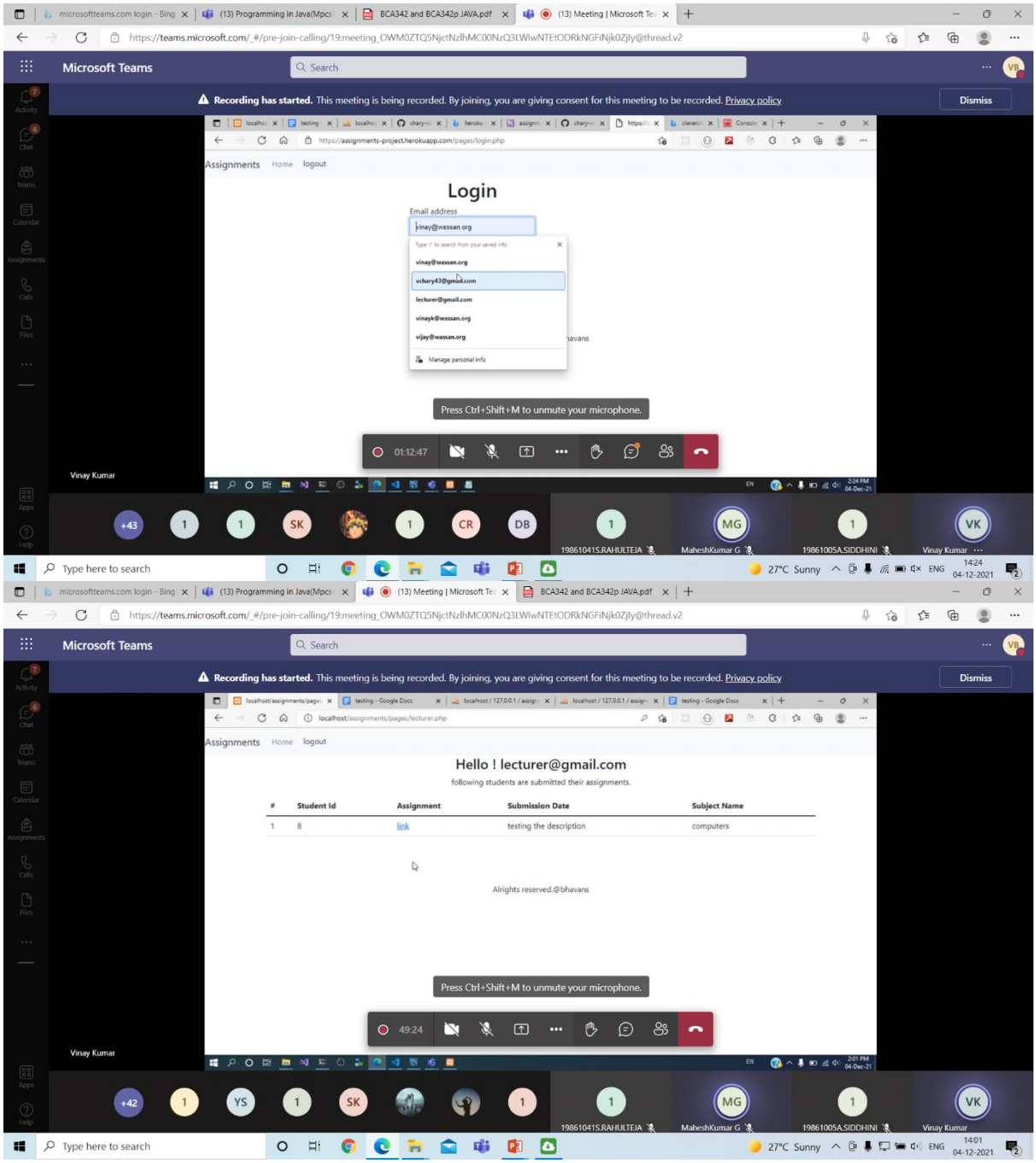
14:11
04-12-2021


Microsoft Teams
Search
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
Assignments
Home
logout
Login
Email address
vinay@wassan.org
vinay@wassan.org
vchary43@gmail.com
lecturer@gmail.com
vinayk@wassan.org
vijay@wassan.org
Manage personal info
Press Ctrl+Shift+M to unmute your microphone.
01:12:47
Vinay Kumar
19861041S.RAHULTEJA
MaheshKumar G
19861005A.SIDDHINI
Vinay Kumar
Type here to search
27°C Sunny
ENG
14:24
04-12-2021
Microsoft Teams
Search
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
Dismiss
Assignments
Home
logout
Hello ! lecturer@gmail.com
following students are submitted their assignments.
Student Id Assignment Submission Date Subject Name
1 8 link testing the description computers
Alrights reserved.@bhavans
Press Ctrl+Shift+M to unmute your microphone.
49:24
Vinay Kumar
19861041S.RAHULTEJA
MaheshKumar G
19861005A.SIDDHINI
Vinay Kumar
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27°C Sunny
ENG
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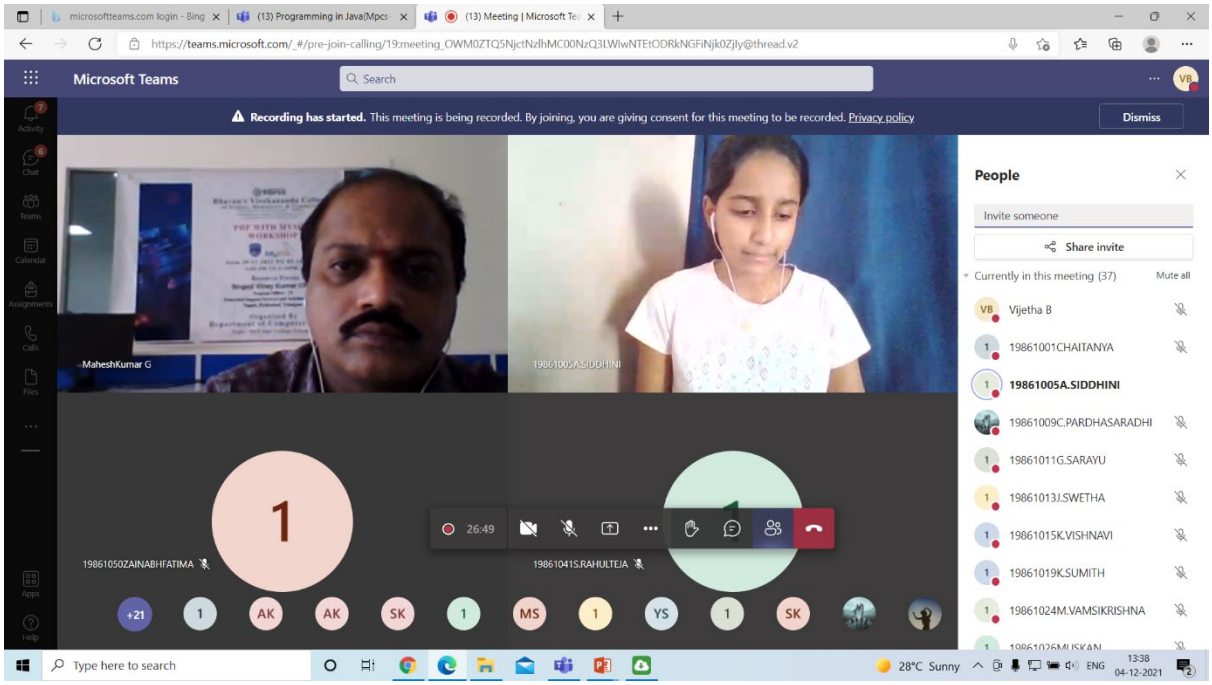
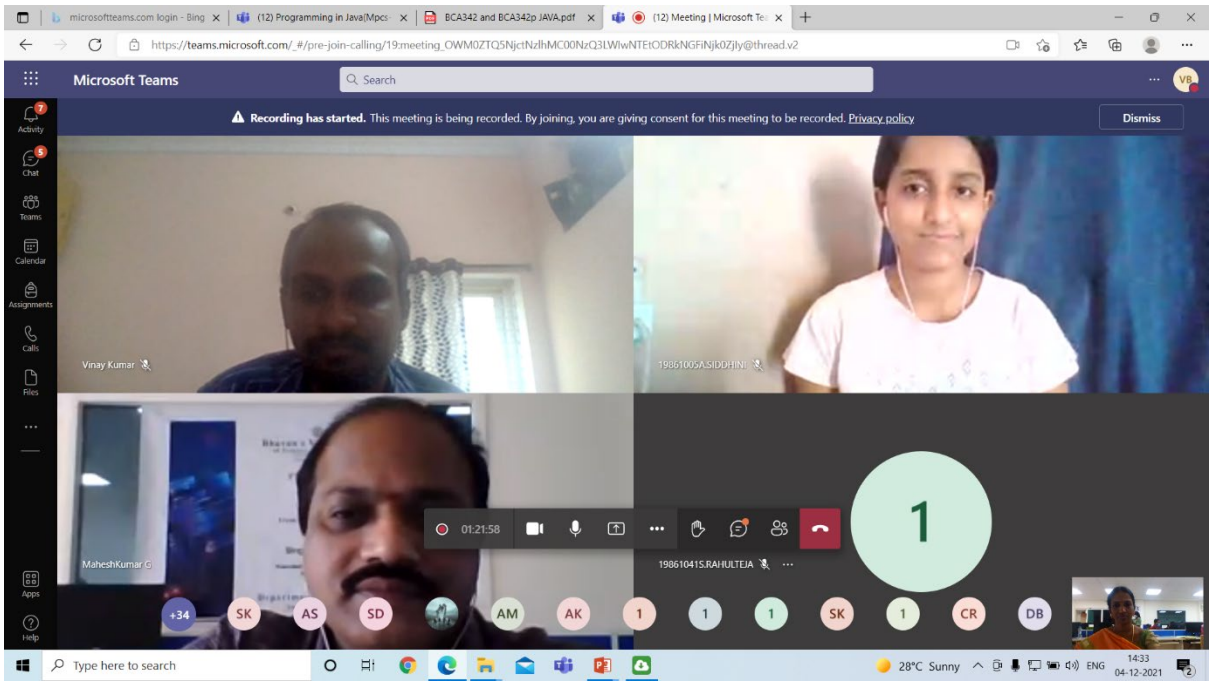
04-12-2021





The session concluded with the vote of thanks proposed by Mr. G Mahesh Kumar, Assistant Professor, Department of Computer Science and BCA Programme Coordinator, thanking the speaker and Alumini Mr.Vinay Kumar Chary and the audience for their active participation.

Students gave very good feedback and suggested for more such sessions.

Report on IoT with RASPBERRY PI using Python

Department of Computer Science organized a 30hrs value added course on" IoT with RASPBERRY PI using Python" for M.Sc. (Computer Science) 3rd semester students from 18th February 2022 to 23rd February, Timing 9.30 am to 4.30 pm in Computer science Lab N21C. A total of 39 students and 10 faculties attended the course.

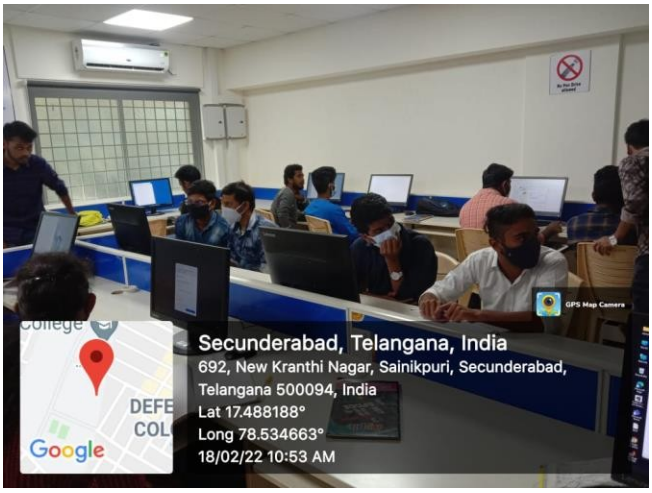
The course was organized in collaboration with Pantech E-Learning solutions Hyderabad. The topics were delivered and demonstrated by course instructors Mr. K KALYAN KUMAR, and Mr.GANESH from Pantech E-Learning solutions.

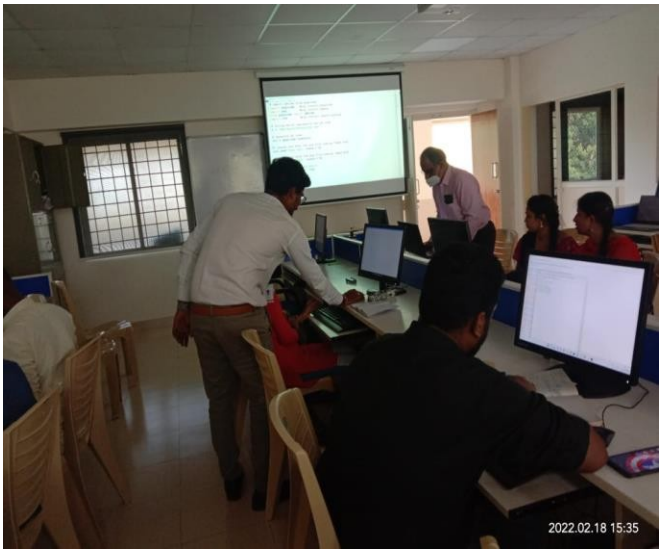
The brief summary of the course is given below:

Day /Date	Theory/Concept	Practical implementation
18th Feb 2022	Basics of python programming and example programs	Generation and detection of QR code and CAPCHA generation
19th Feb 2022	Introduction IoT and its applications, Raspberry PI connectivity and Operating system installation.	LED connectivity and experimented ontraffic signal application using python codding
21st Feb 2022	Sensor connectivity and coding for each sensor using raspberry pi and python.	Experimented object identification, fire identification and gas detection implemented these using buzzer and LED signals.
22nd Feb 2022	IoT cloud connectivity using thing speak cloud. Account and channel creation. Explored Free SMS services.	Generating and storing sensor data in cloud. Analyzing and generating report. Generating and sending bulk SMS using python codding.
23rd Feb 2022	Picture identification, Video capturing and Frame detection, Open CV generation.	Face identification, and analysis single or multiple images using python code.

Day 1: 18th Feb 2022

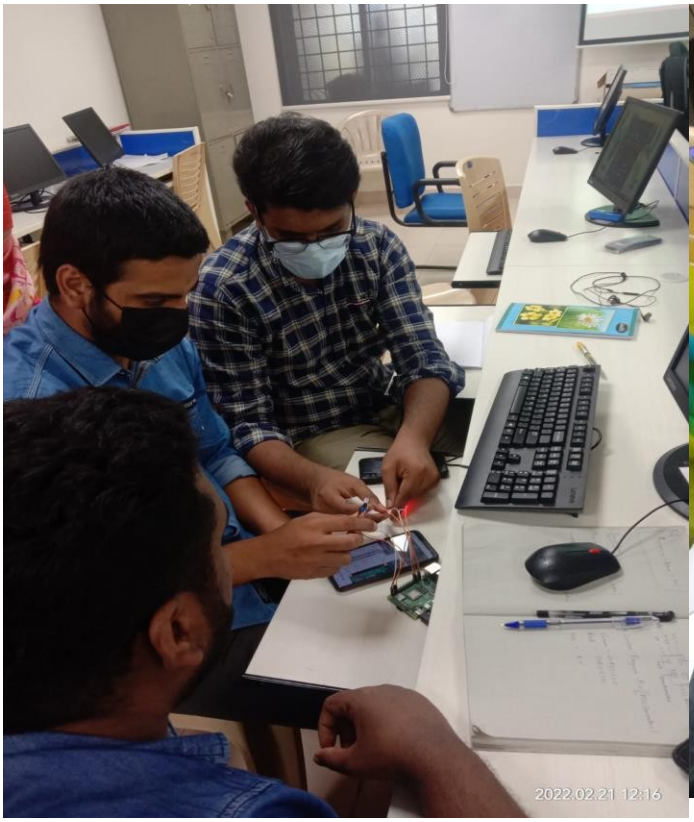
Introduction to PythonAnd QR code Generation and Detection

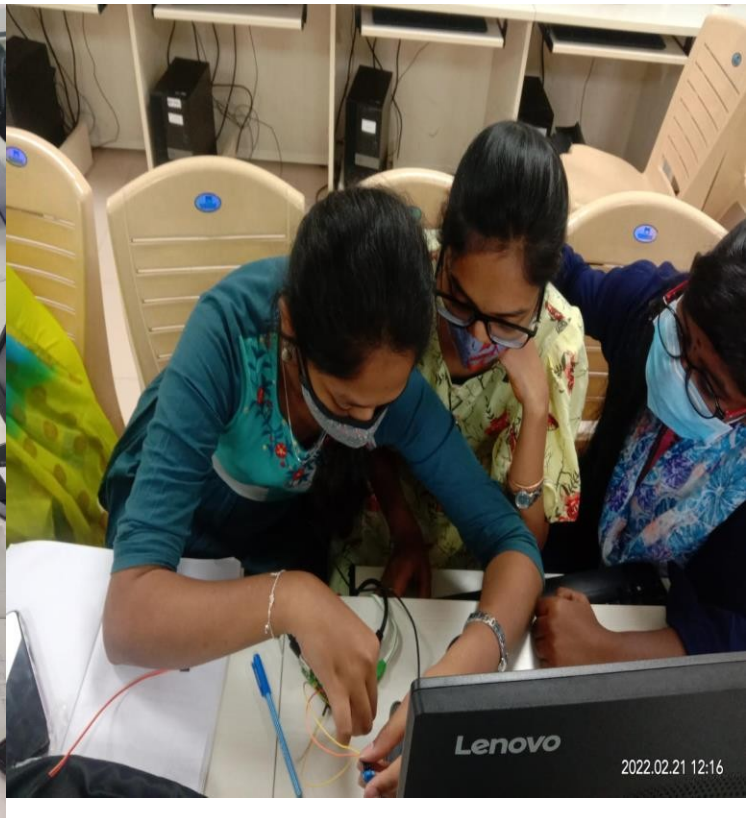


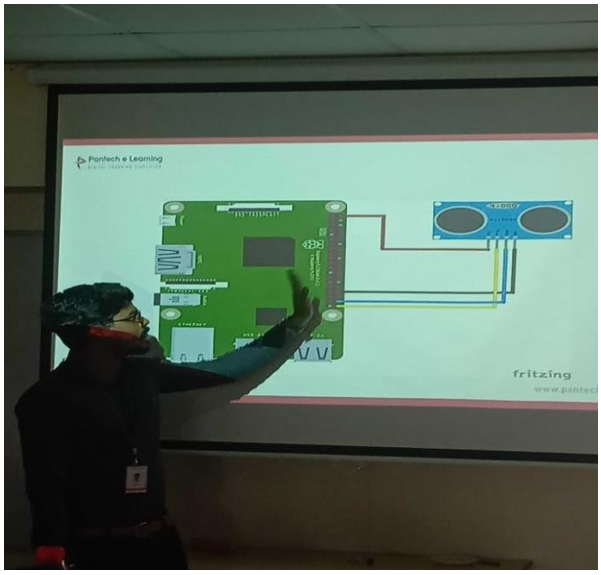


Day 2 : 19th Feb 2022 Introduction IoT and its applications and Raspberry Pi Practical applications

Day 3 : 21st Feb 2022 Sensor connectivity and coding for LED and Buzzer applications.



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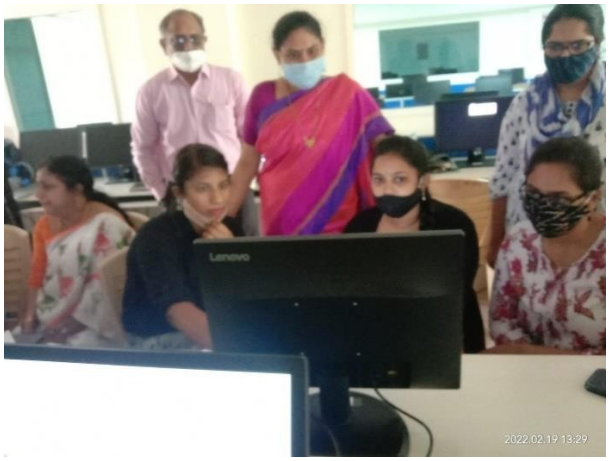
2022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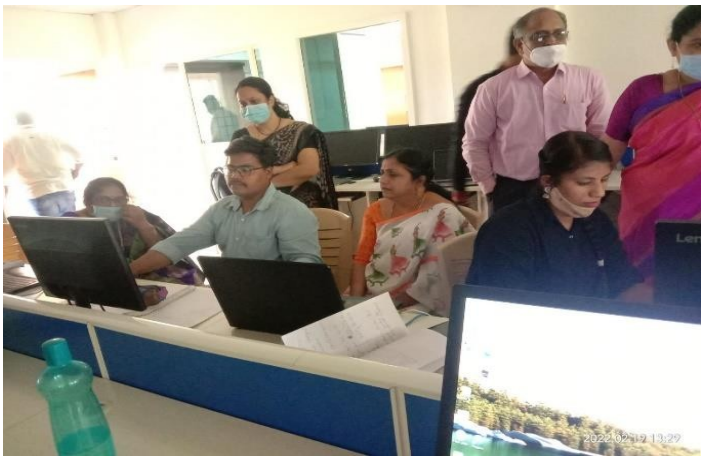
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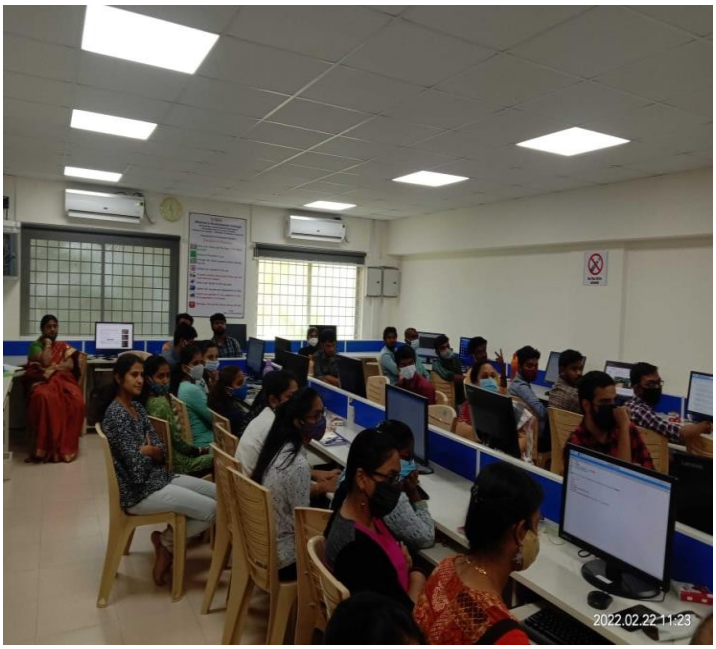
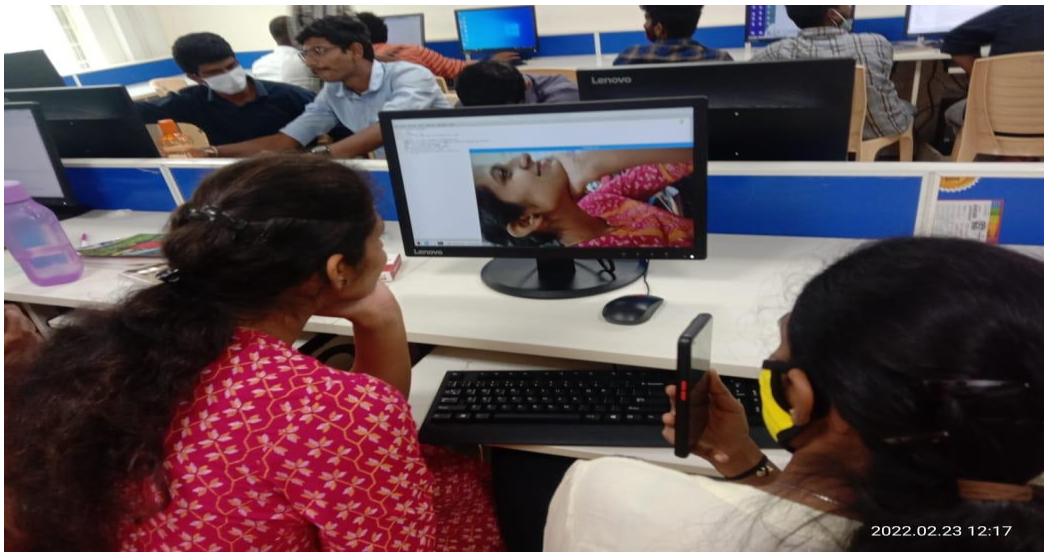
Day 4 :22nd Feb 2022

IoT Cloud connectivity using Thing speek Sending bulk SMS using coding.



Day 5: 23rd Feb 2022 Picture identification, Video capturing and Frame detection, Open CV generation



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OF SCIENCE, HUMANITIES & COMMERCE

SAINIKPURI, SECUNDERABAD - 500094

AUTONOMOUS COLLEGE, AFFILIATED TO O.U.

ACCREDITED WITH 'A' GRADE BY NAAC

National Science Day

28th February, 2022

Integrated Approach in Science and Technology for a Sustainable Future

Poster Presentation Event Registration: *Click here*

Registration Link : *Click here*

Poster theme: ***Integrated Approach in Science and Technology for a Sustainable Future.***
Team size: *3*
Poster size: Landscape *A3*
Any pic format

Organized by

Faculty of Physical Sciences & Life Sciences

Under DBT-Star College Scheme

REPORT ON NATIONAL SCIENCE DAY- 2022

National Science Day was celebrated by the Physical Sciences and Life Sciences Faculty of Bhavan's Vivekananda College of Science Humanities and Commerce, to mark the discovery of the Raman effect byIndian physicist Sir C. V. Raman on 28 February 1928, for which Sir C.V. Raman was awarded the Nobel Prize in Physics in 1930.

The theme of National Science Day 2022 is 'Integrated Approach in Science and Technology for a SustainableFuture'.

The session began with the welcome note by Dr. Anuradha, Coordinator, National Science and Head, Dept.of Micro-Biology, BVC. This was followed by the welcomeaddress by Air Cmde. J L N Sastry Garu, Vice- Chairman, Bharatiya Vidya Bhavan, Sainikpuri Kendra and Dr Y Ashok, Principal, BVC, who were the Chief Invitees forthe session.

The keynote speaker for the Inaugural Session was

Dr.P. D Babu, Centre Director, UGC-DAE Consortium for Scientific Research, Mumbai Centre. Dr P.D Babu spoke about Atomic Energy, Role of Neutrons, structure of a Nuclear Power Reactor, which was really very informative.

The Inaugural session was followed by the Technical Session, by Prof M V Ramana Murthy Garu, Former Professor, Computer Science, Osmania University and Presently working as a Professor and Head, Dept, of M & H, MGIT, Hyderabad. This session began with the welcome address given by Mrs K V B Saraswathi Devi, Head, Dept. of Computer Science.

Prof M V Ramana Murthy Garu, focused on IoT in Real- Time how is it going to effect the future. He had also focused on how IoT works, the current status and future prospect of IoT, Challenges of IoT, Future of IoT and the Various Real-Time applications of IoT. The lecture delivered by Prof M V Ramana Murthy Garu, gave an insight as to what the future technology is going to be about.

This session concluded with the vote of thanks, by Mr N Bhaskar, Assistant Professor, Bhavan's Vivekananda College. Around 90 students including Faculty from the Dept. of Computer Science had participated in the session.

The third session was Poster Presentations which was conducted online related to the theme specified for National Science Day- 2022, that is Integrated Approach of Science and Technology for a Sustainable Future.

The judge for the event was Dr Hemalatha, AssistantProfessor and former HOD Dept. of Computer Science University College for Women, Hyderabad.

There were around 21 teams which actively participated in the Poster Presentation Competition both from UGand PG.

There were around 56 students who participated in thePoster Presentation event.

The Poster Presentation winners in UG and PG

UG

First

Team	Roll No	Student Name	Class	Year/Sem	Topic
TEAM-8	107220546004	Akanksha Vasudeva Hanumapally	B.Sc. HDS	II/IV th SEM	Integration of science and technology for Sustainable future
	107220546044	Shubham Singh	B.Sc . HDS	II/IV th SEM	Integration of science and technologyfor Sustainable future
	107220546008	Attem Akhila Mudiraj	B.Sc. HDS	II/IV th SEM	Integration of science and technology for Sustainable future

Second

Team	Roll No	Student Name	Class	Year/Sem	Topic
TEAM-2	107221861036	S. SIDDARTH	B.C.A	1st SEM	Integration of science and technology for Sustainable development
	107221861035	R SHRI NIHESH KUMAR	B.C.A	1st SEM	Integration of science and technology for Sustainable development
	107221861047	VIGNAN THUMMA	B.C.A	1st SEM	Integration of science and technology for Sustainable development

PG

First

Team	Roll No	Student Name	Class	Year/Sem	Topic
TEAM-12	107221504042	SANKOJI SRAVYA RANI	MSC(COMPUTER SCIENCE)	I/I	ARTIFICIAL INTELLIGENCE
	107221504010	CHINDAM VINITHA	MSC(COMPUTER SCIENCE)	I/I	
	107221504009	CHINDAM RAJASRI	MSC(COMPUTER SCIENCE)	I/I	

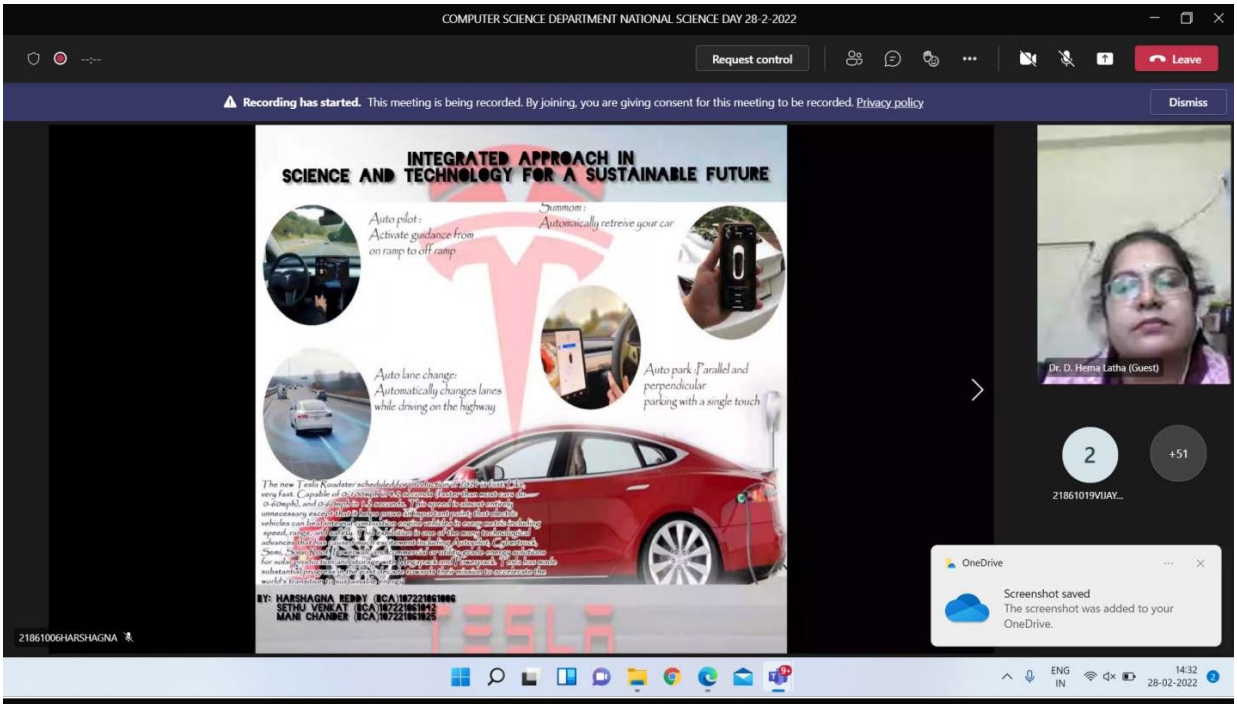
Second

Team	Roll No	Student Name	Class	Year/Sem	Topic
TEAM-7	107220504011	DALIPARTHI SARADA DEVI	MSC COMPUTER SCIENCE	I/I	BLOCKCHAIN
	107221504022	KADUMURI SAHITHI KRISHNA	MSC(COMPUTERSCIENCE)	I/I	

This session concluded with Vote of Thanks by

Mrs K Padmapriya, Assistant Professor,

Dept. of ComputerScience, Bhavan's Vivekananda College.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INTEGRATED APPROACH IN
SCIENCE AND TECHNOLOGY FOR A SUSTAINABLE FUTURE
Auto pilot :
Activate guidance from
on ramp to off ramp
Summon :
Automatically retreive your car
Auto lane change:
Automatically changes lanes
while driving on the highway
Auto park :Parallel and
perpendicular
parking with a single touch
BY: HARSHAGNA REDDY (BCA)
SETHU VENKAT (BCA)
MANI CHANDER (BCA)
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Dr. D. Hema Latha (Guest)
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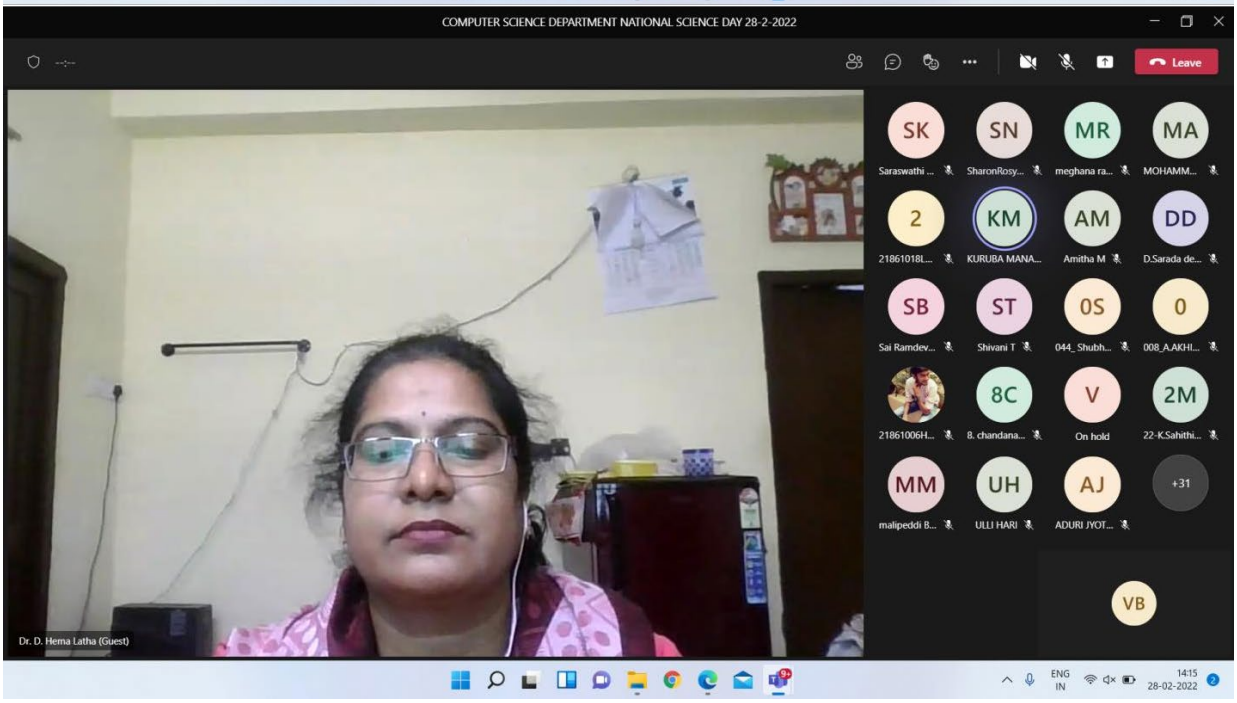
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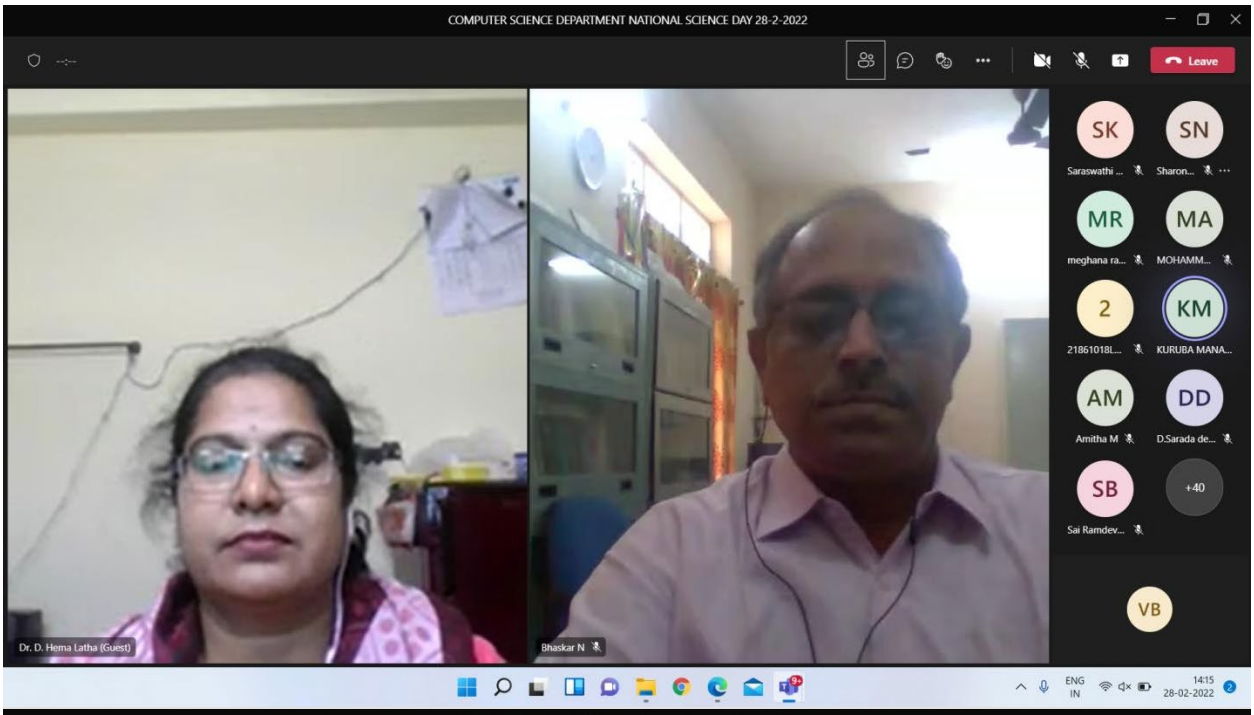
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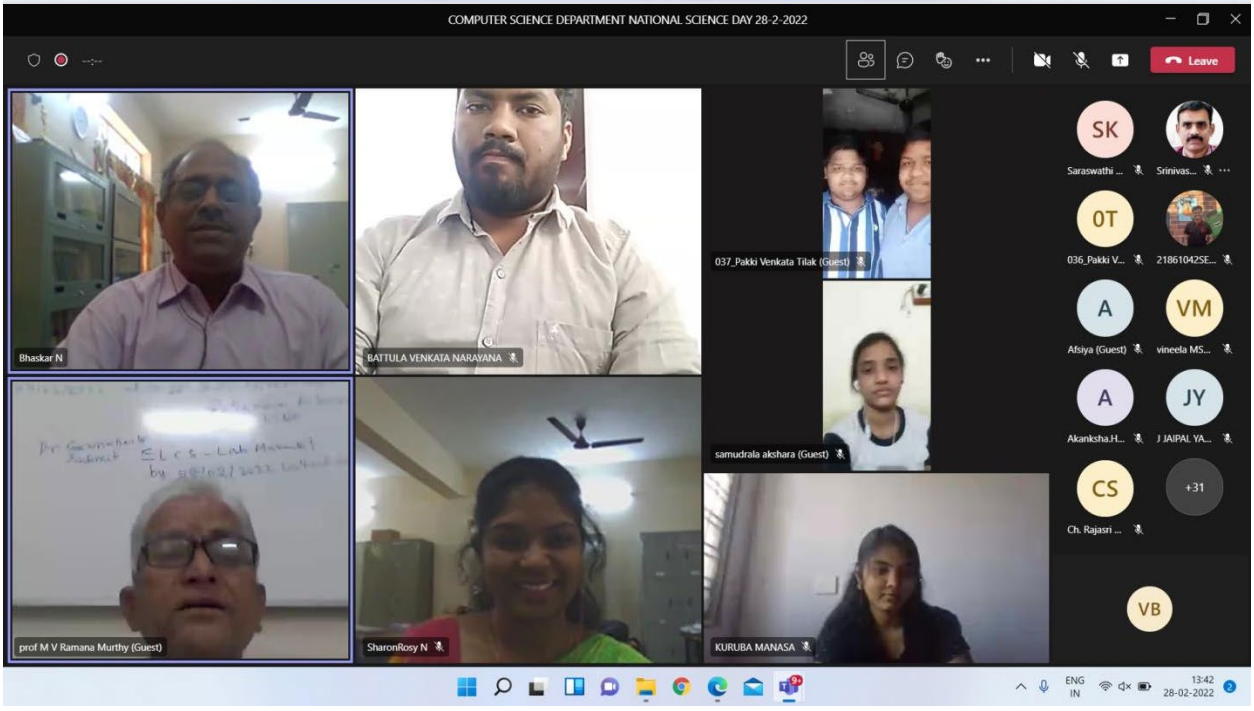
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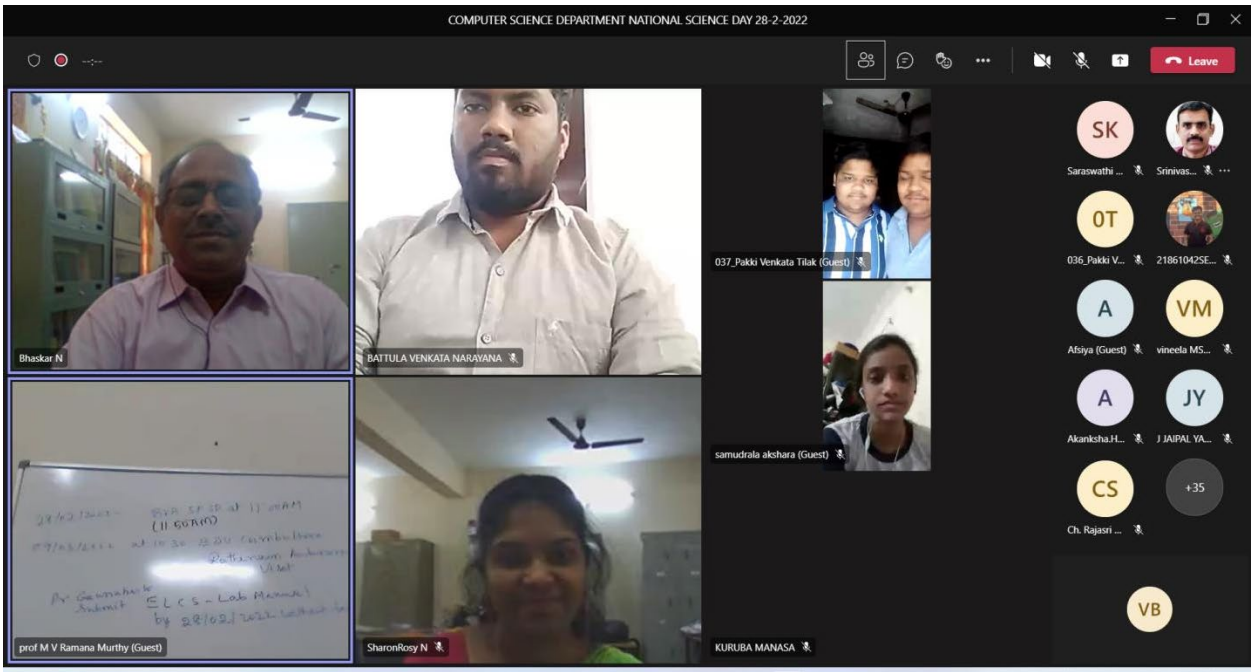
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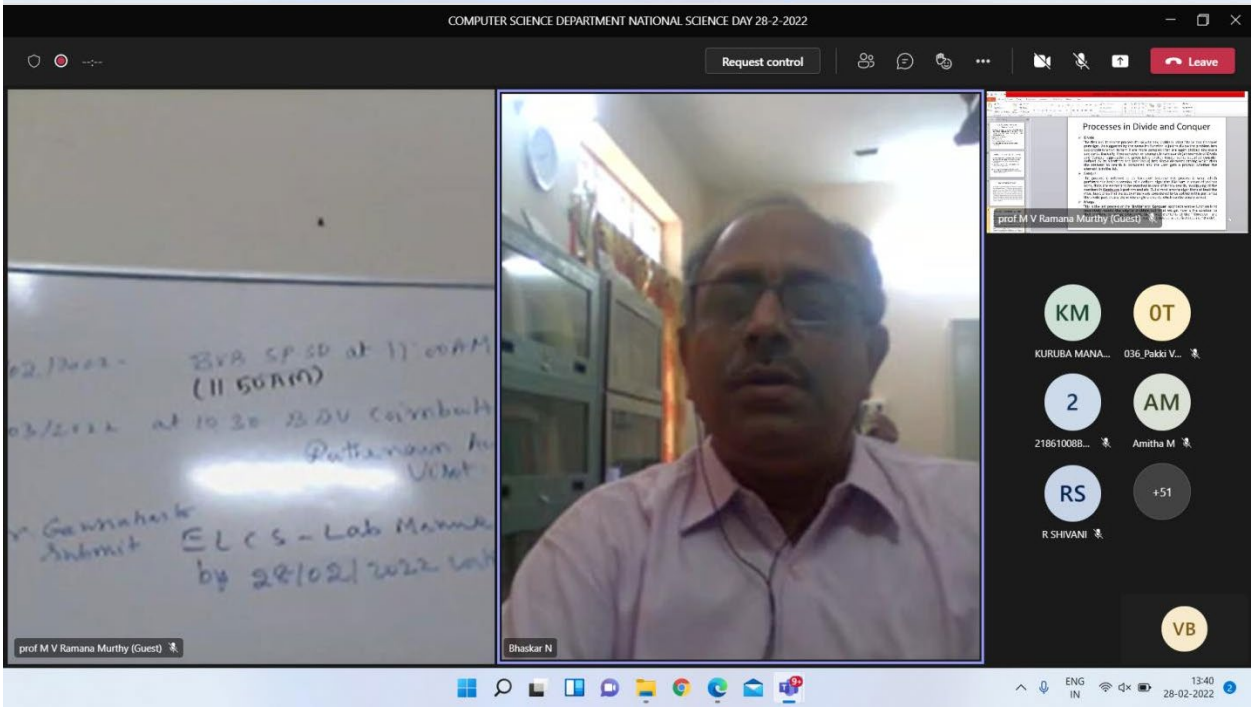
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Processes in Divide and Conquer
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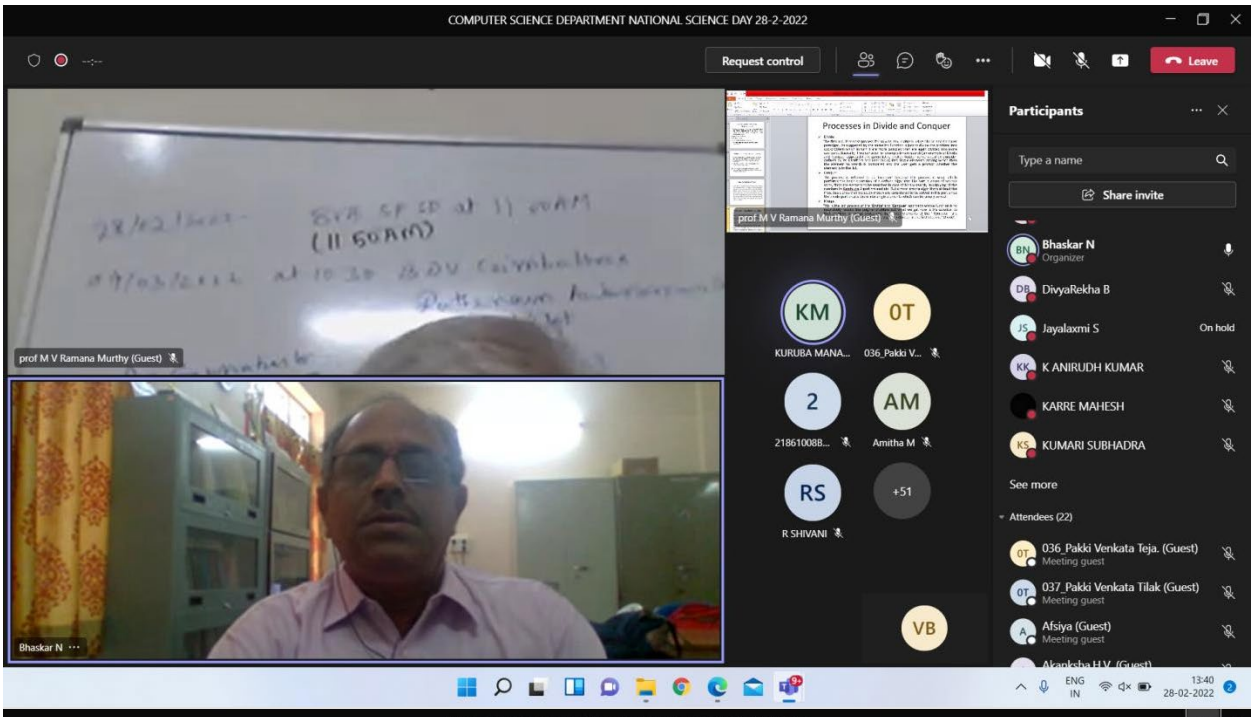
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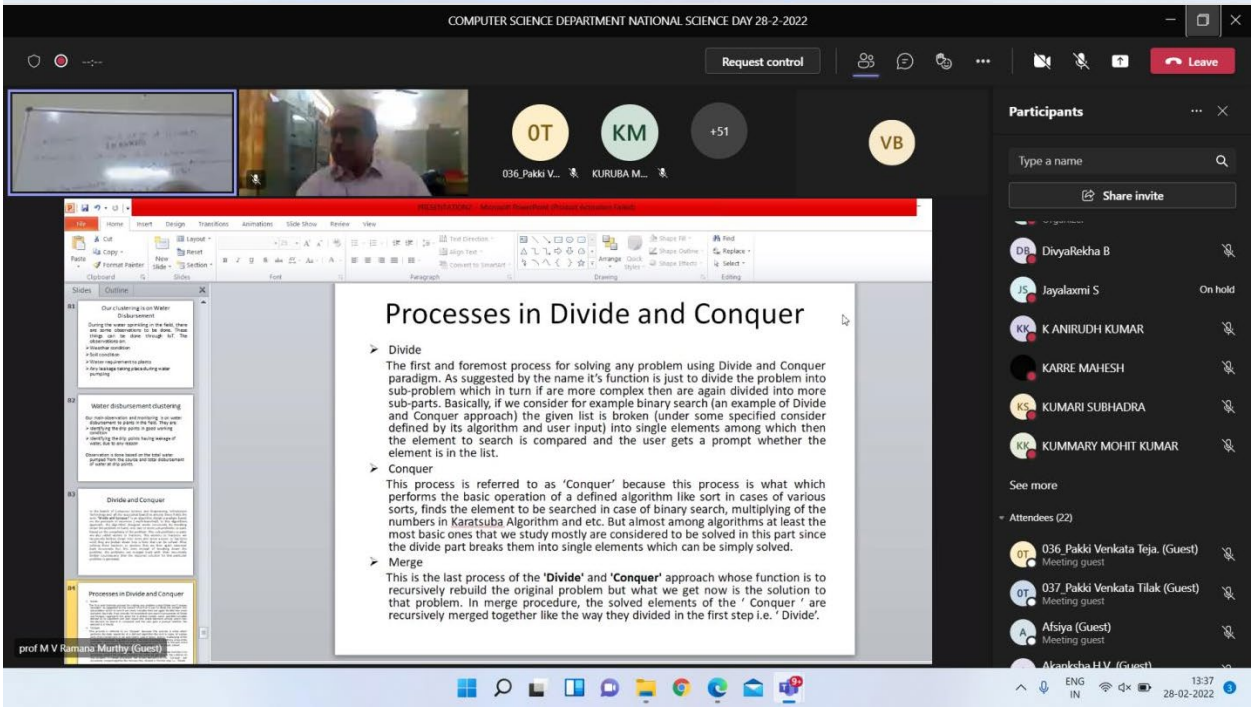
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Processes in Divide and Conquer
Divide
The first and foremost process for solving any problem using Divide and Conquer paradigm. As suggested by the name it's function is just to divide the problem into sub-problem which in turn if are more complex then are again divided into more sub-parts. Basically, if we consider for example binary search (an example of Divide and Conquer approach) the given list is broken (under some specified consider defined by its algorithm and user input) into single elements among which then the element to search is compared and the user gets a prompt whether the element is in the list.
Conquer
This process is referred to as 'Conquer' because this process is what which performs the basic operation of a defined algorithm like sort in cases of various sorts, finds the element to be searched in case of binary search, multiplying of the numbers in Karatsuba Algorithm and etc. But almost among algorithms at least the most basic ones that we study mostly are considered to be solved in this part since the divide part breaks them into single elements which can be simply solved.
Merge
This is the last process of the 'Divide' and 'Conquer' approach whose function is to recursively rebuild the original problem but what we get now is the solution to that problem. In merge procedure, the solved elements of the ' Conquer ' are recursively merged together like the way they divided in the first step i.e. ' Divide'.
prof M V Ramana Murthy (Guest)
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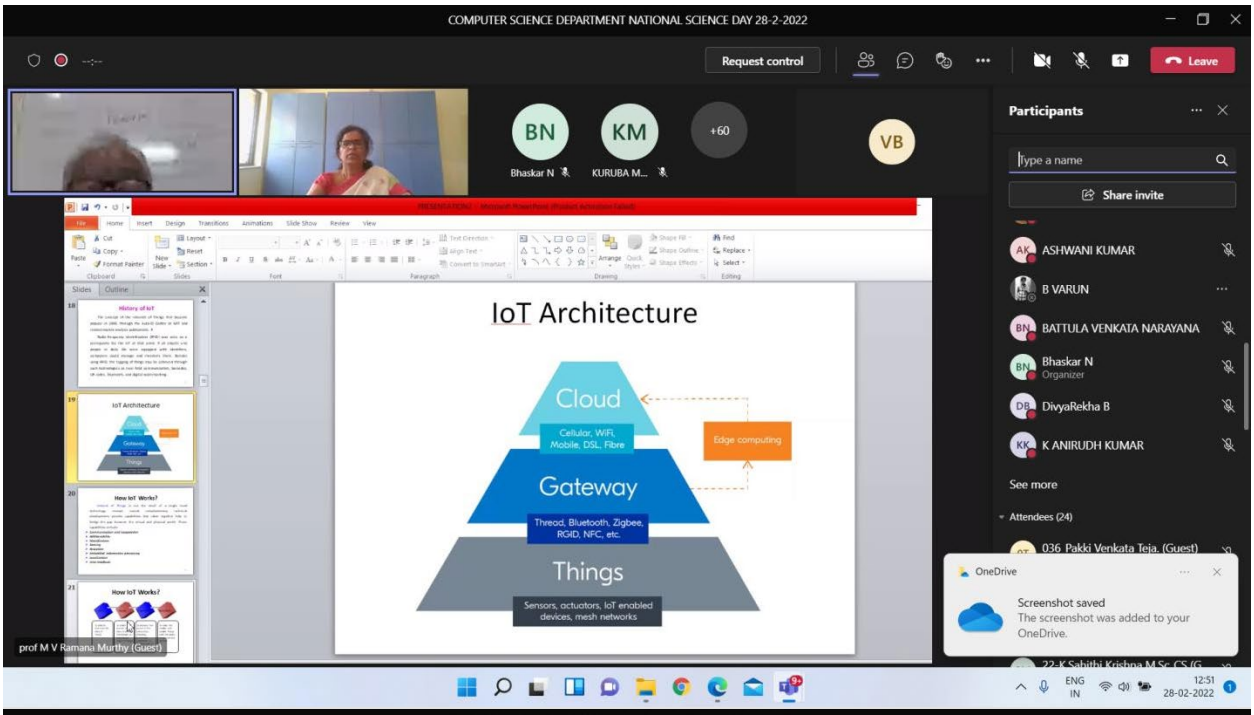
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IoT Architecture
Cloud
Cellular, WiFi, Mobile, DSL, Fibre
Edge computing
Gateway
Thread, Bluetooth, Zigbee, RGID, NFC, etc.
Things
Sensors, actuators, IoT enabled devices, mesh networks
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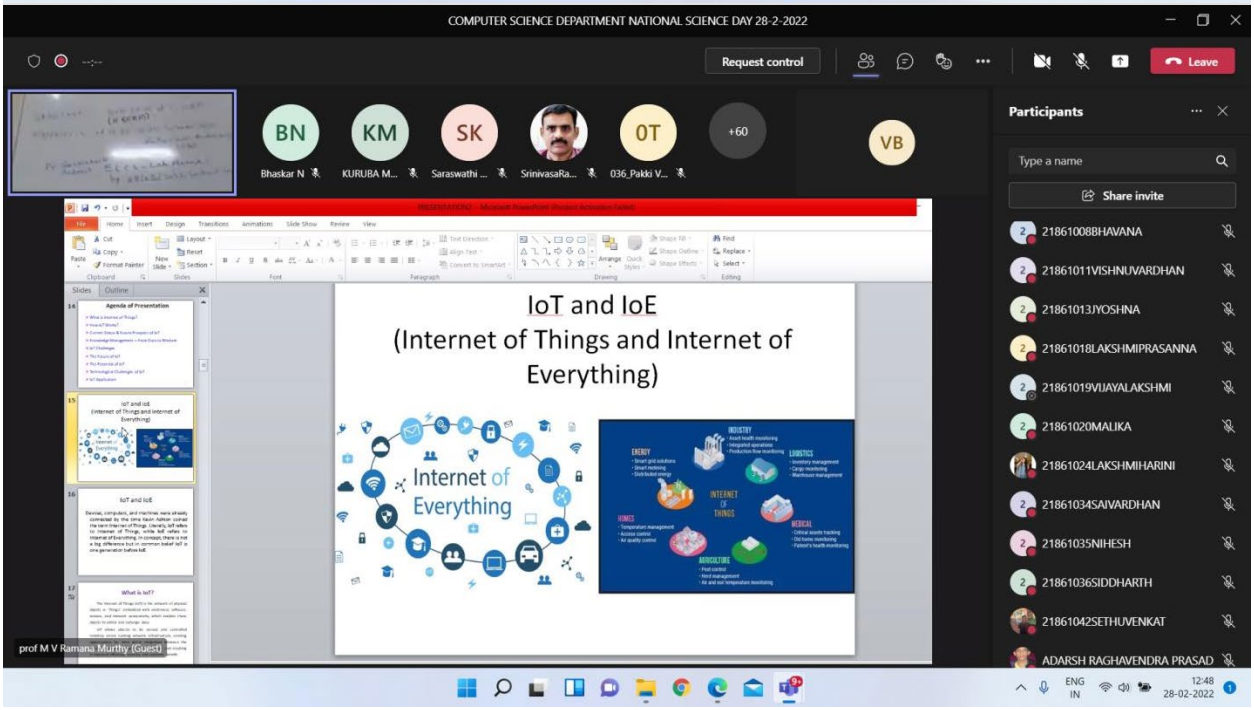
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IoT and IoE
(Internet of Things and Internet of Everything)
Internet of Everything
INDUSTRY
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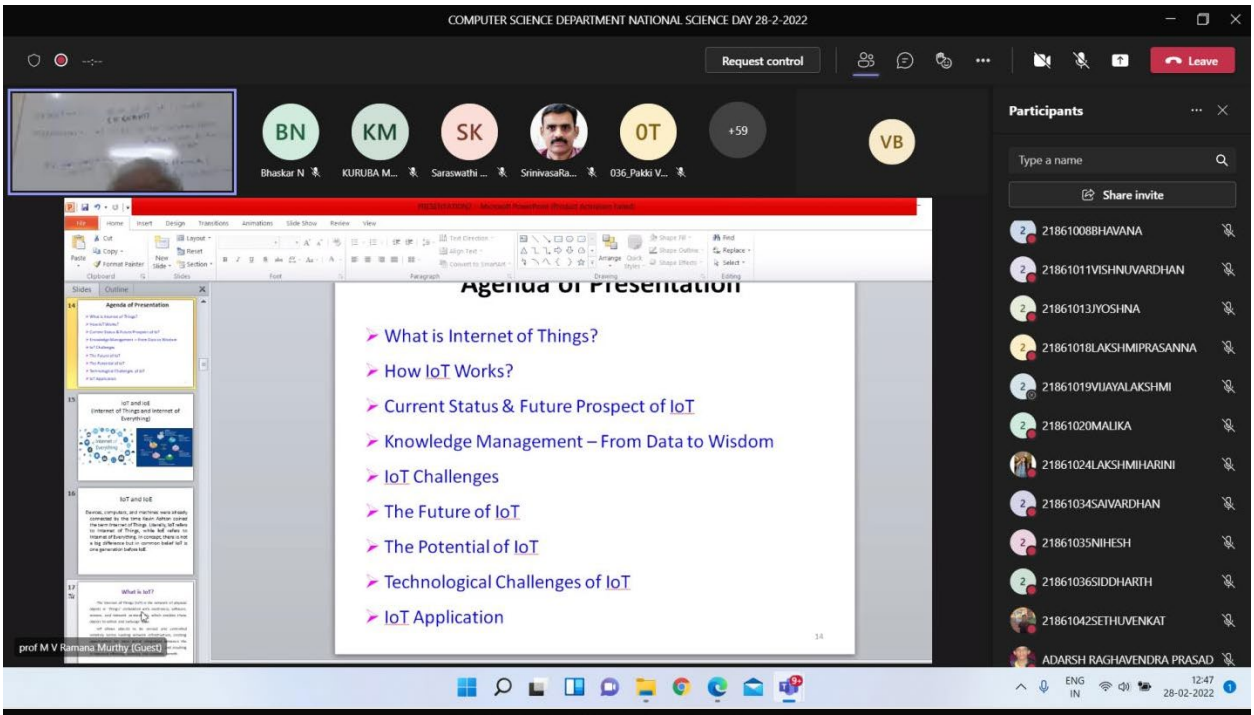
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ADARSH RAGHAVENDRA PRASAD
Agenda of Presentation
What is Internet of Things?
How IoT Works?
Current Status & Future Prospect of IoT
Knowledge Management – From Data to Wisdom
IoT Challenges
The Future of IoT
The Potential of IoT
Technological Challenges of IoT
IoT Application
prof M V Ramana Murthy (Guest)
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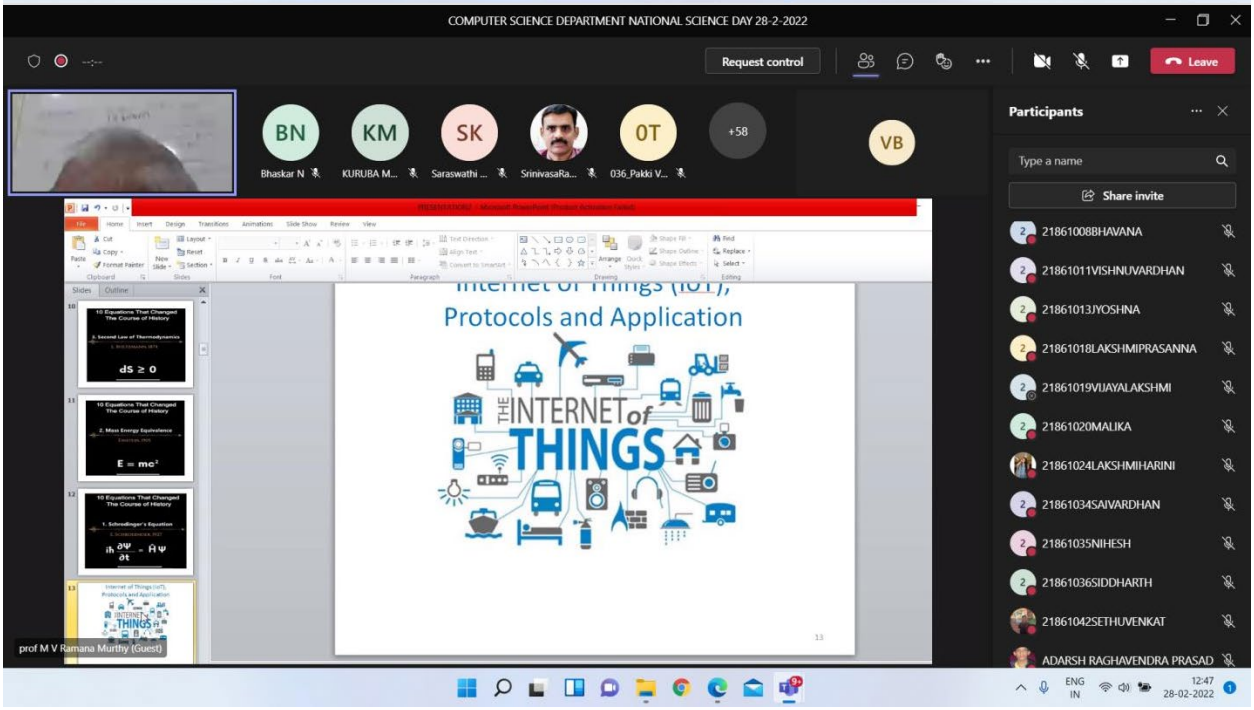
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Protocols and Application
THE INTERNET of THINGS
prof M V Ramana Murthy (Guest)
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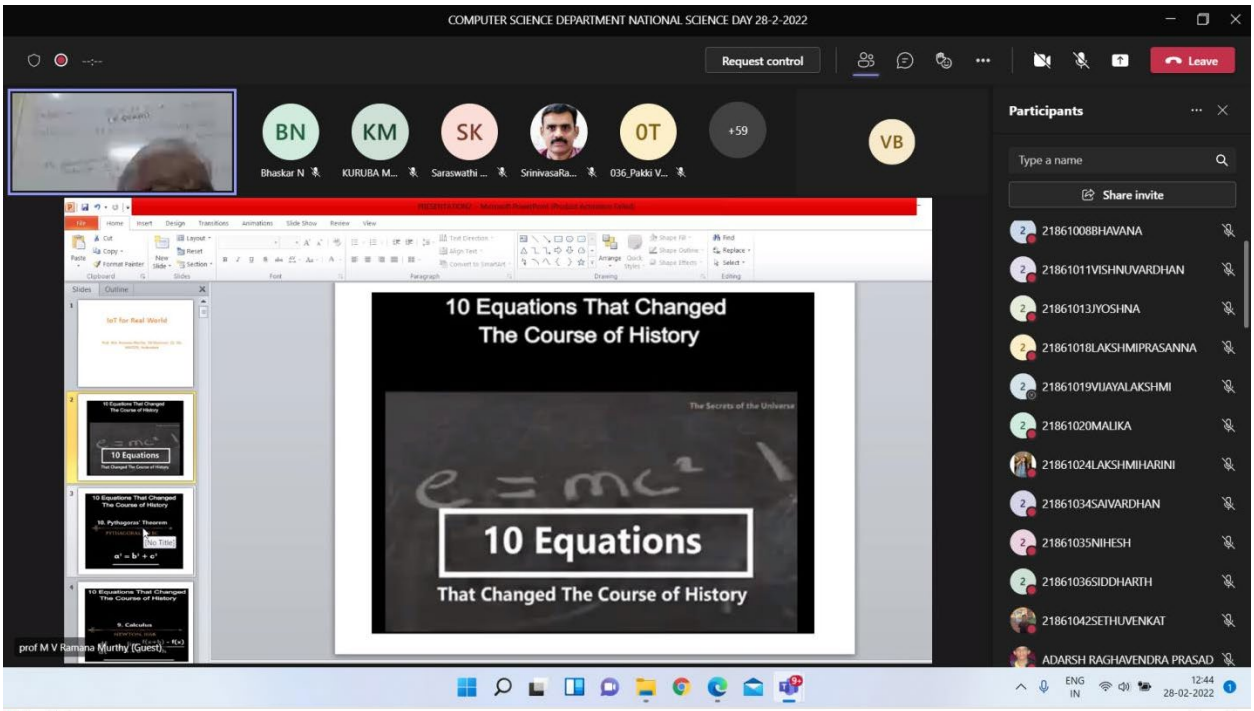
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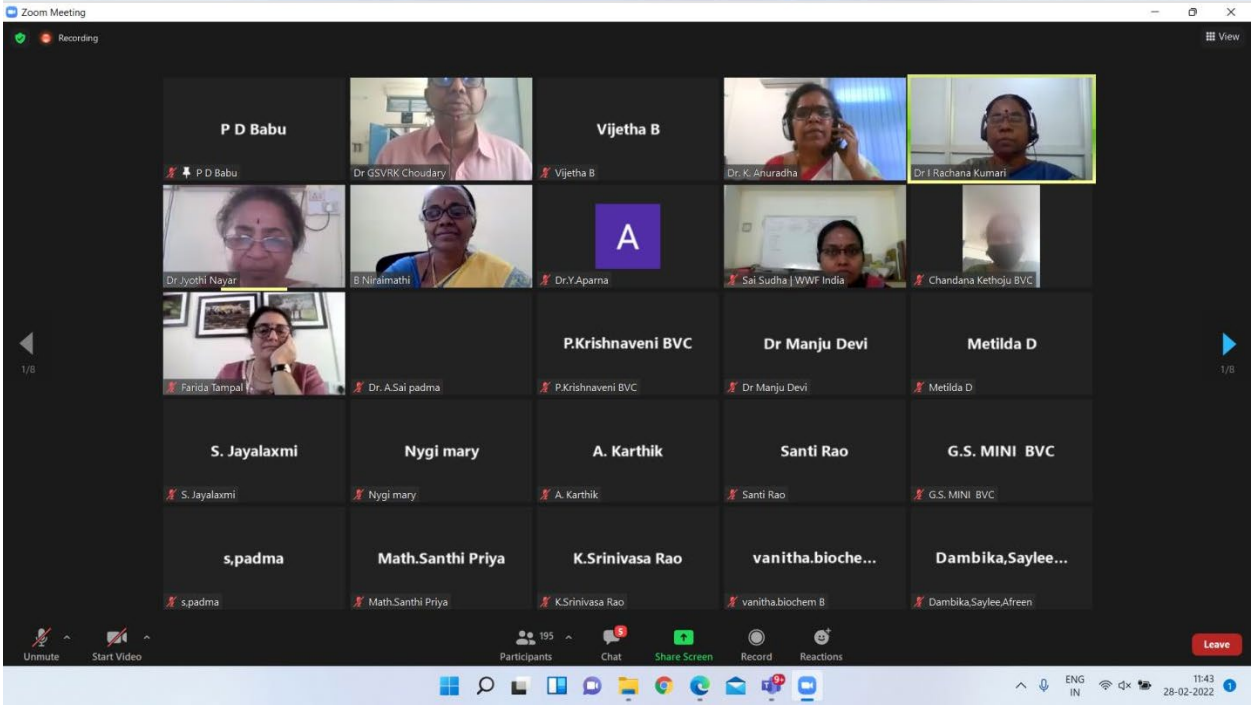
10 Equations That Changed The Course of History
10 Equations
That Changed The Course of History
prof M V Ramana Murthy (Guest)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Dr GSVRK Choudary
Vijetha B
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Dr I Rachana Kumari
Dr.Jyothi Nayar
B Niraimathi
Dr.Y.Aparna
Sai Sudha | WWF India
Chandana Kethoju BVC
Farida Tampal
Dr. A.Sai padma
P.Krishnaveni BVC
Dr Manju Devi
Metilda D
S. Jayalaxmi
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Santi Rao
G.S. MINI BVC
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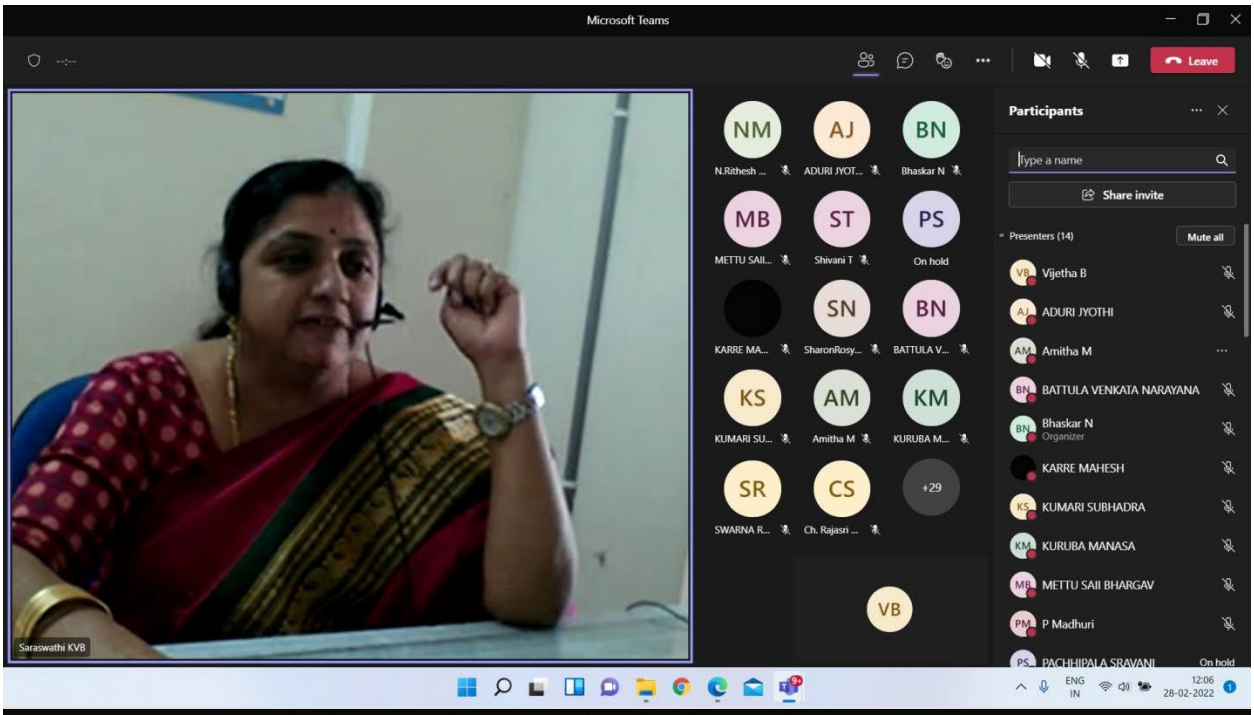
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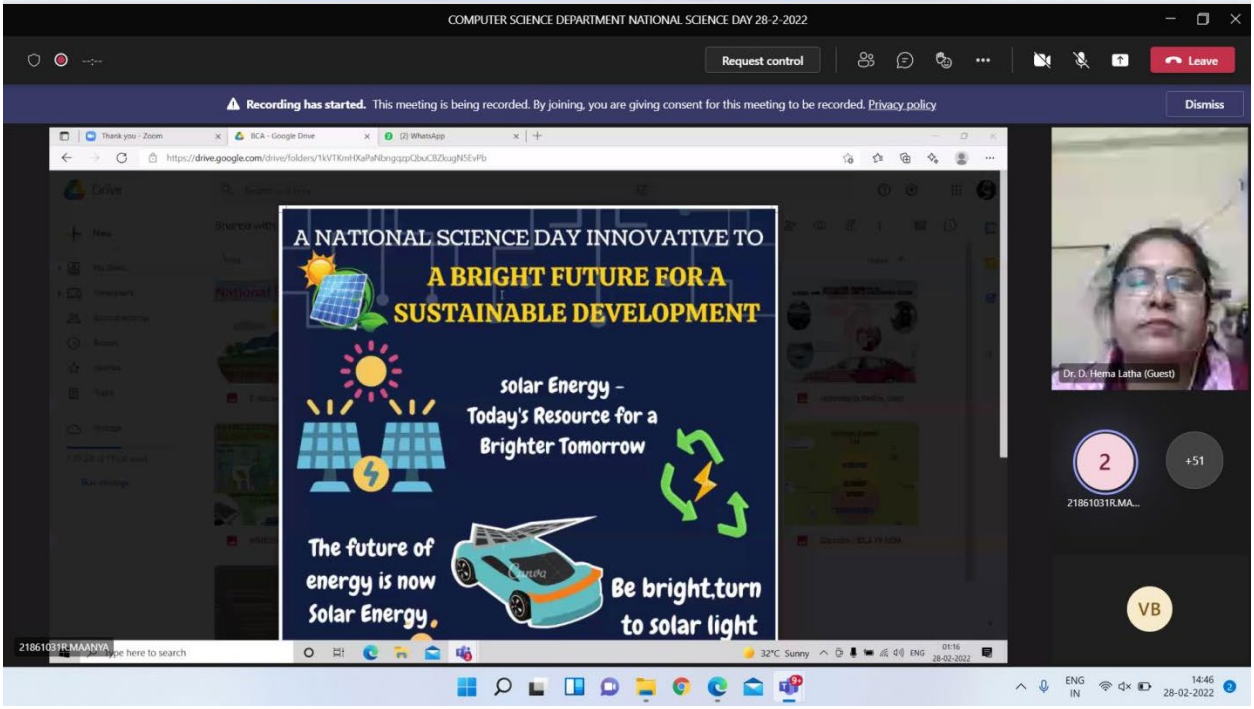
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A BRIGHT FUTURE FOR A SUSTAINABLE DEVELOPMENT
solar Energy – Today's Resource for a Brighter Tomorrow
The future of energy is now Solar Energy.
Be bright,turn to solar light
Dr. D. Hema Latha (Guest)
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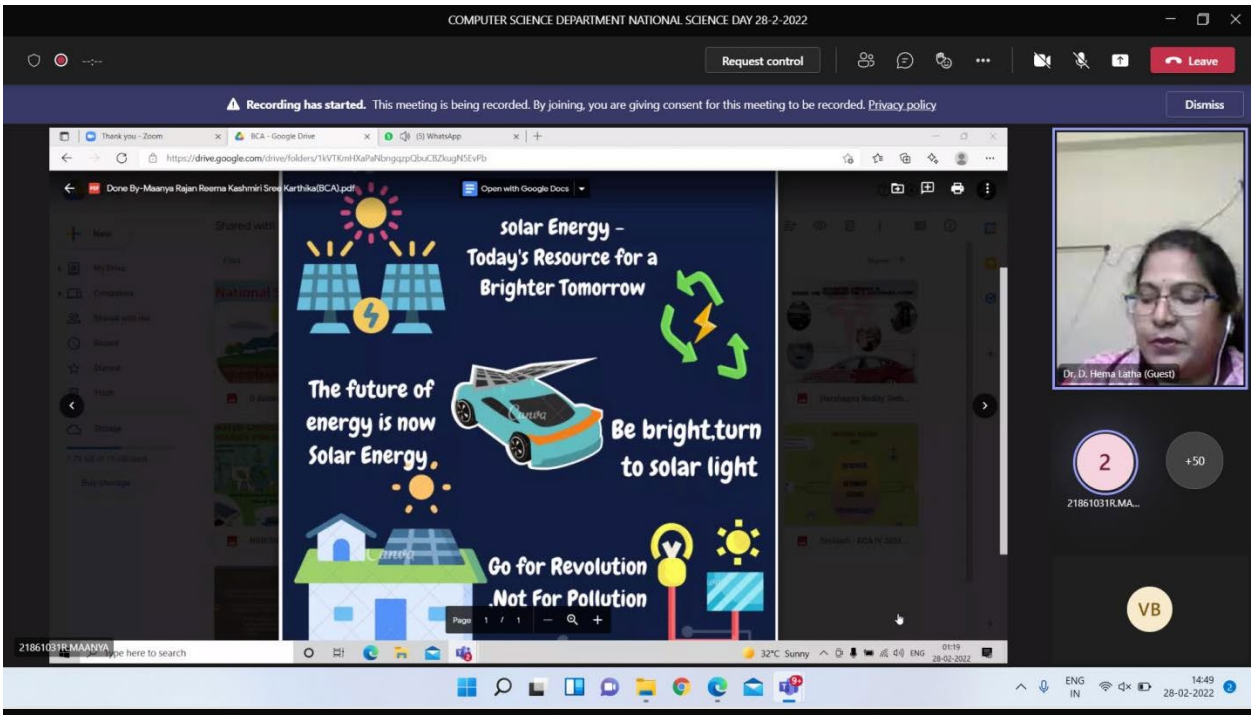
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The future of energy is now Solar Energy.
Be bright,turn to solar light
Go for Revolution .Not For Pollution
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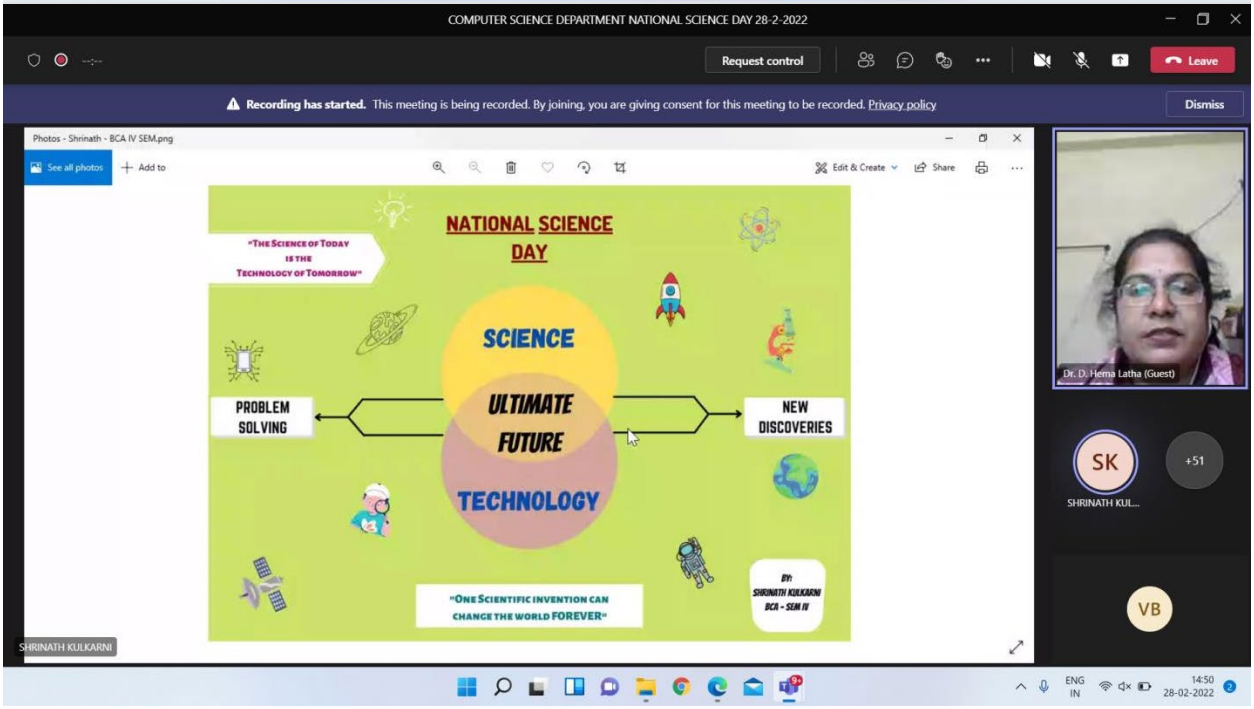
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NATIONAL SCIENCE DAY
"THE SCIENCE OF TODAY IS THE TECHNOLOGY OF TOMORROW"
SCIENCE
ULTIMATE FUTURE
TECHNOLOGY
PROBLEM SOLVING
NEW DISCOVERIES
"ONE SCIENTIFIC INVENTION CAN CHANGE THE WORLD FOREVER"
BY: SHRINATH KULKARNI BCA - SEM III
SHRINATH KULKARNI
Dr. D. Hema Latha (Guest)
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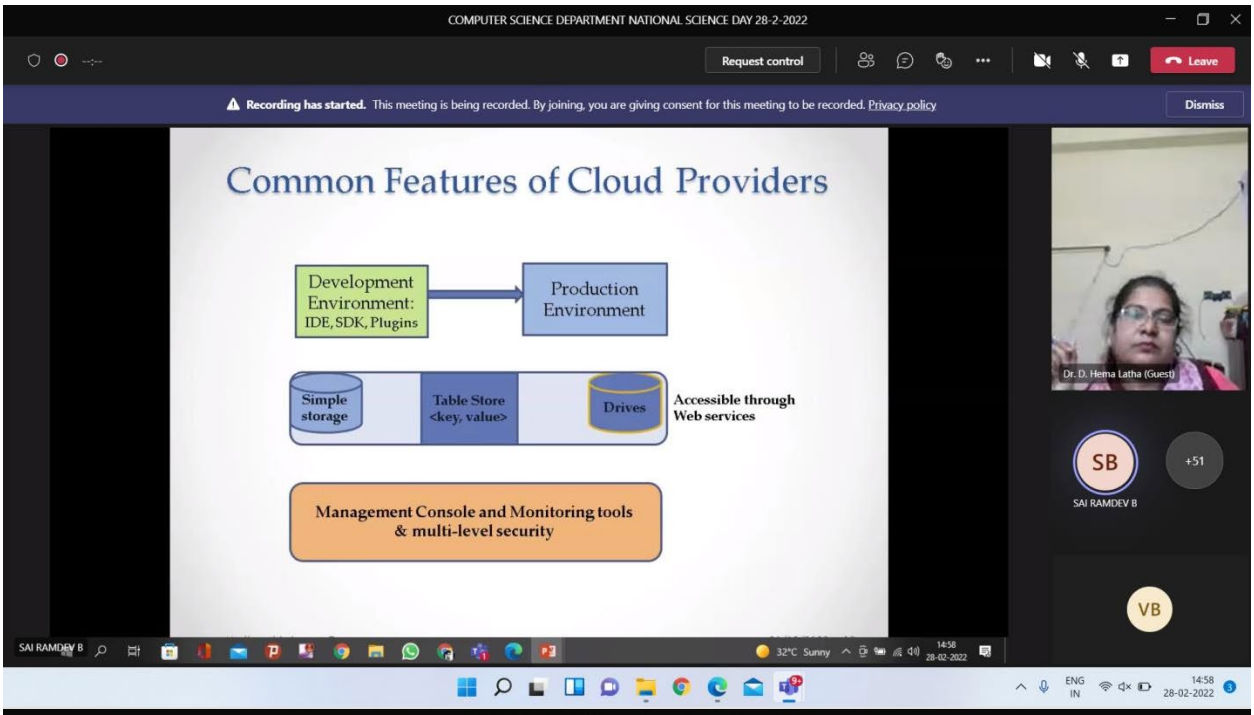
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Common Features of Cloud Providers
Development Environment: IDE, SDK, Plugins
Production Environment
Simple storage
Table Store <key, value>
Drives
Accessible through Web services
Management Console and Monitoring tools & multi-level security
Dr. D. Hema Latha (Guest)
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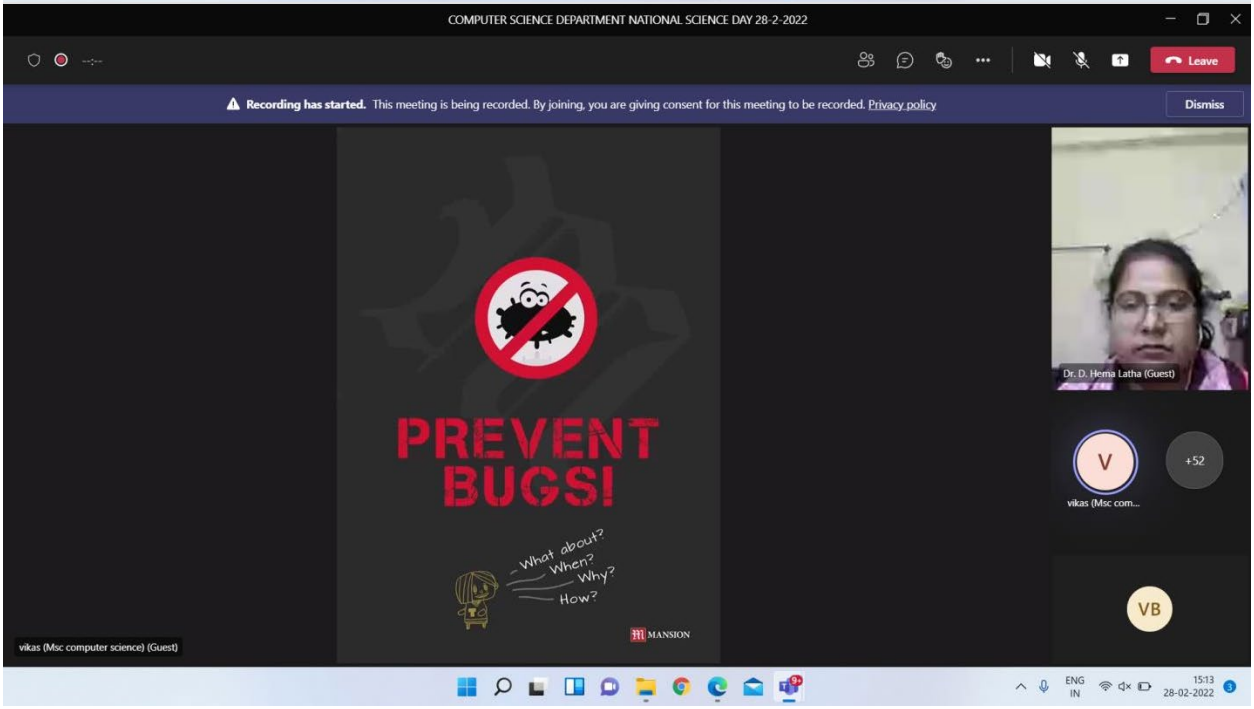
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PREVENT BUGS!
What about?
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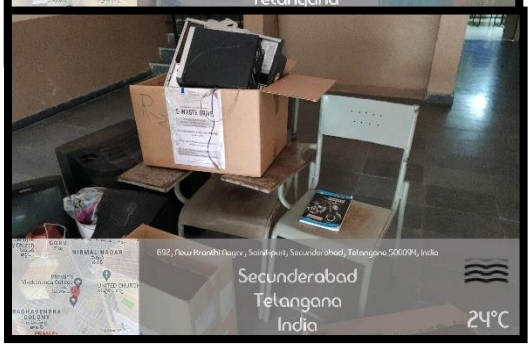
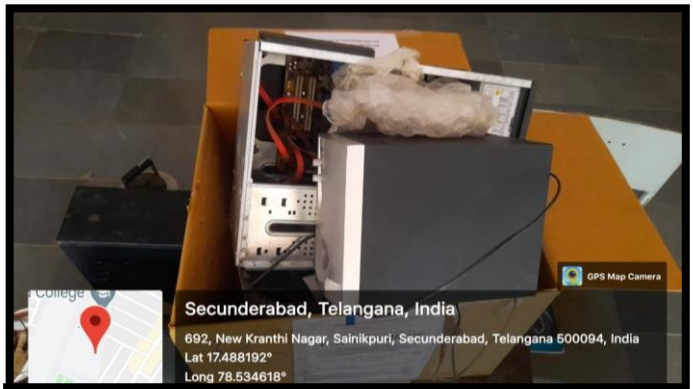
E-WASTE DRIVE

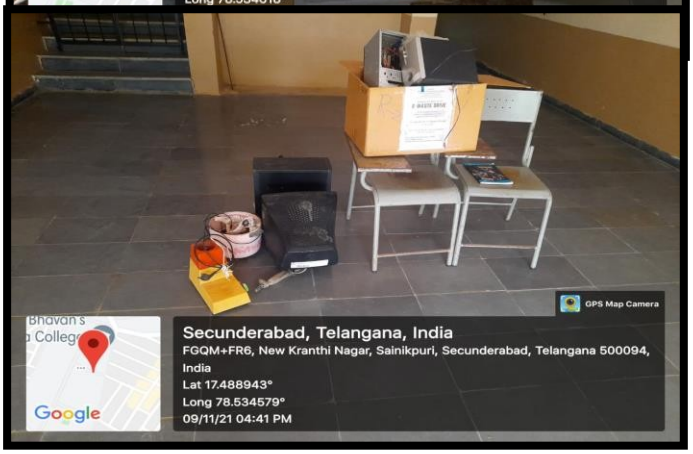
The Department of Computer Science had initiated an **"E-WASTE DRIVE"** organized by the Fusion Tech Club under DBT-Star College Scheme from 1st November 2021 within the college to encourage and spread awareness among the students to collect, deposit and extend their support towards responsible e-waste disposal. The Green Campus Programme Cell, in collaboration with FusionTech, NCC, Abhyas Club, VOICE club and the greNergy club of the college had organized

Waste Management Week, from 8thNov, 2021 - 12th Nov, 2021.

There were various events organized as part of this Awareness programme. An internal campaign within the college was organized on 8th Nov, 2021, physically and on social media. A Door to Door campaign in the Defence Colony society on 9th of November 2021 was taken up. Students from the Fusion Tech Club along with 150 NCC Cadets and other clubs had participated in spreading awareness about proper waste and E-waste disposal in the society. As part of the campaign there was a lot of E- waste collected from the society like discarded Television, Computer(CRT) Monitors, Motherboards, Battery cells, iPods, Headset/Earphones, Calculators, Cellular Phones, Screen Guards, Keyboards, Mice, Cables, Compact Discs (CDs), DVDs etc.







WARENESS RALLY

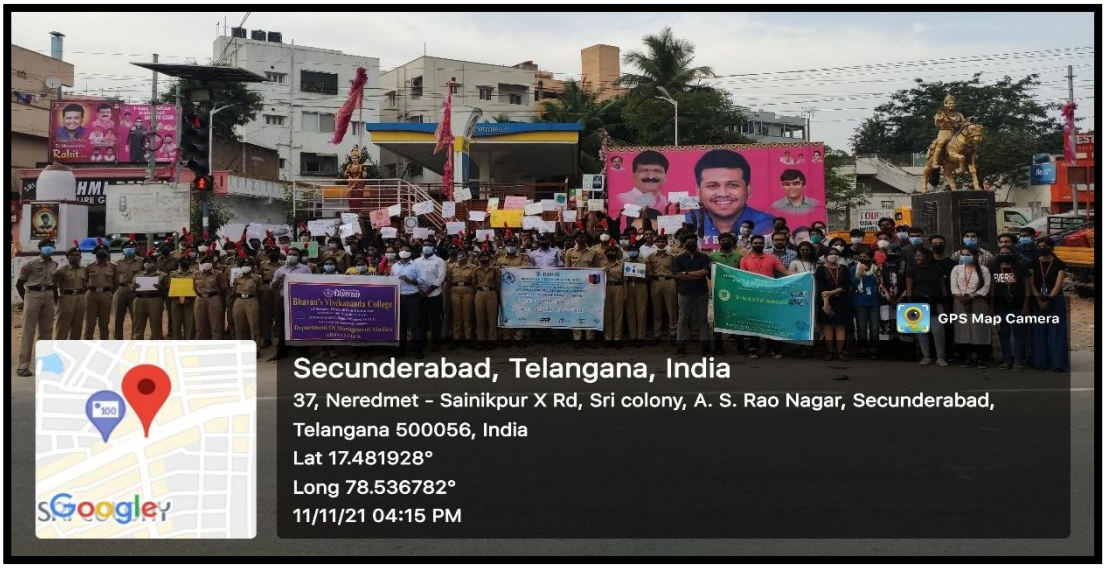
On 11th November 2021, the FusionTech Club along with NCC and Abhyas Club organized an **"WASTE MANAGEMENT AWARENESS RALLY"**. BCA II and III Year students along with more than 150 NCC Cadets, faculty members took active part in the rally. The E-waste awareness rally began from the college till Neredmet at 3:00PM displaying banners and shouting slogans, spreading awareness about environmental hazards of E-waste.

Bhavan
Fusion Tech
E-WASTE

Bhavan's Vivekanan
Department Of Management
ABHYAS CLUB
E-WASTE DRIVE

XEROX
PRINTOUT
SCANNING
CAUVERY ENTERPRISES
E-WASTE

GPS Map Camera
Secunderabad, Telangana, India
Door No 36, 134/1, near Bhavan's Degree College, Defence Colony, Sainikpuri, Secunderabad, Telangana 500094, India
Lat 17.489377°
Long 78.534992°
11/11/21 03:52 PM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37, Neredmet - Sainikpur X Rd, Sri colony, A. S. Rao Nagar, Secunderabad, Telangana 500056, India
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VIVEK BHARATHI

E-WASTE TO BEST:

On 12th November 2021, The FusionTech Club organized **"E-WASTE- TO- BEST", an Art and Craft Exhibition cum Competition**, which gave an opportunity for the students to showcase their creative side in making the best out of the e-waste. The aim of the exhibition was to re-purpose the e-wasteinto something new. The judge for the event was Dr K V Padmaja, an Agri-Envrionmental Scientist,who appreciated the efforts and creativity put in by the students in making their exhibits/models.

Winners for the event were decided by the Judge and were felicitated by mementoes on thevaledictory.

There were around 26 students in 12 teams who participated from various streams.

SAVE ELECTRICITY
E-WASTE DRIVE
SCIENCE BLOCK
Bhavan's Vivekananda College
DEPARTMENT OF COMPUTER SCIENCE
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