

A DAILY NEWSLETTER



# SKCT DIGEST

VOLUME 16, ISSUE 4

05 MAY 2020



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## IN THIS ISSUE

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- FACULTY DEVELOPMENT PROGRAMMES
- TALK SERIES
- STUDENTS' PARTICIPATION & ACHIEVEMENTS
- FACULTY PARTICIPATION & ACHIEVEMENTS
- MEETINGS & DISCUSSIONS

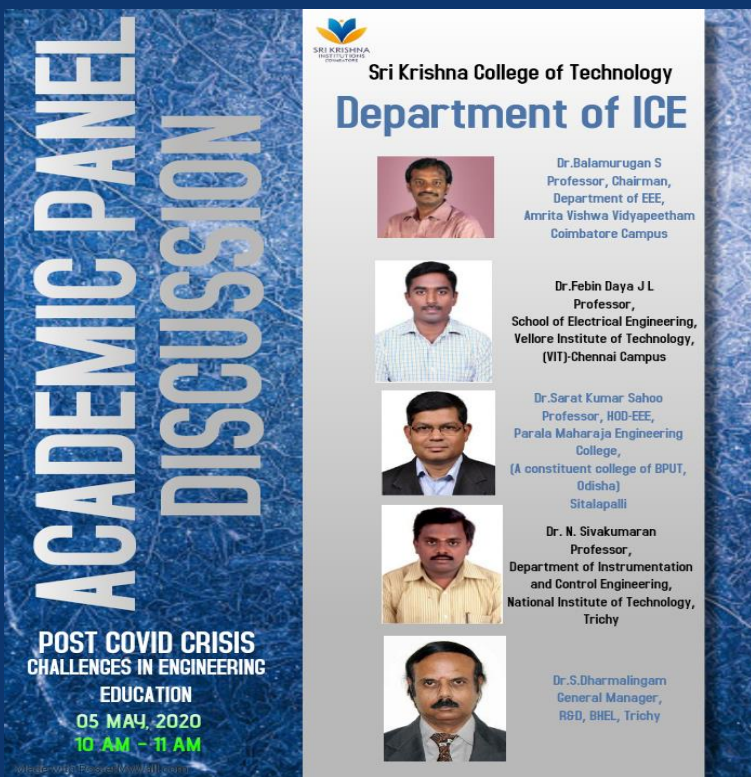
# NEW VISTAS OF LEARNING

The Dept. of EEE organized a Webinar on “**Gesture Based Robotics**” presented by Mr M Harish, Programmer Analyst, Congnizant, Coimbatore on 05 May 2020. Ms T Dharanika, & Ms A Elakya, Asst. Professors, Dept. of EEE coordinated the event.





The Dept. of ICE organized an Academic Panel Discussion on “**Post COVID Crisis Challenges in Engineering Education**” on 05 May 2020. Mr Ajith B.Singh, Asst. Professor and Dr T Chinnadurai & Dr S Narendiran, Asso. Professors, Dept. of ICE coordinated the event.



**Sri Krishna College of Technology**  
**Department of ICE**

**Dr. Balamurugan S**  
Professor, Chairman,  
Department of EEE,  
Amrita Vishwa Vidyapeetham  
Coimbatore Campus

**Dr. Febin Daya J L**  
Professor,  
School of Electrical Engineering,  
Vellore Institute of Technology,  
(VIT)-Chennai Campus

**Dr. Sarat Kumar Sahoo**  
Professor, HOD-EEE,  
Parala Maharaja Engineering  
College,  
(A constituent college of BPUP,  
Odisha)  
Sitalapalli

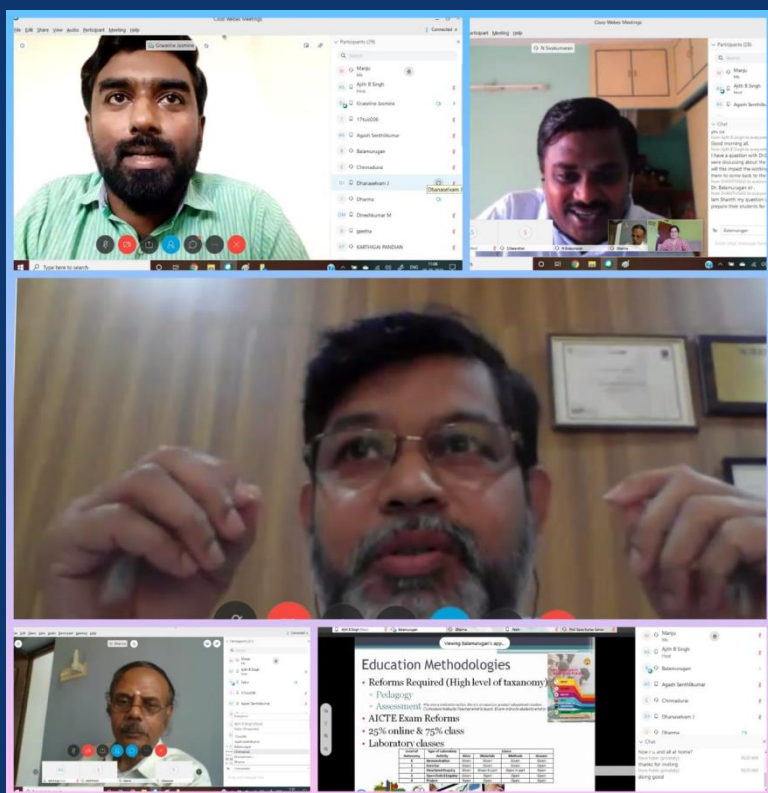
**Dr. N. Sivakumaran**  
Professor,  
Department of Instrumentation  
and Control Engineering,  
National Institute of Technology,  
Trichy

**Dr. S. Dharmalingam**  
General Manager,  
BGR, BHEL, Trichy

**ACADEMIC PANEL DISCUSSION**

**POST COVID CRISIS CHALLENGES IN ENGINEERING EDUCATION**  
**05 MAY, 2020**  
**10 AM - 11 AM**

Website: [www.srikrishna.ac.in](http://www.srikrishna.ac.in)



The Dept. of CSE organized a Webinar on “**JavaScript Frameworks**” presented by Mr R Haribalaji, Full Stack Developer, Zoho Corporation, Chennai between 6.00 pm and 7.00 pm on 04 May 2020. Ms S Padmavathy, Asst. Professor, Dept. of CSE coordinated the event. Students and members of faculty from the Dept. of CSE attended the session.

The screenshot shows a presentation slide titled "Who are Front-end Developers?". The slide is divided into two main sections: "CLIENT SIDE" and "SERVER SIDE".

- CLIENT SIDE:** Features a computer monitor displaying icons for HTML, CSS, and JS. Above the monitor are logos for Bootstrap, React, and Angular. Below the monitor are logos for jQuery and zepto.js.
- SERVER SIDE:** Features a server rack icon with the text "WEB SERVER", "BACKEND LANGUAGE", and "DATABASE".
- INTERNET:** A cloud icon labeled "INTERNET" connects the Client Side and Server Side.

On the right side of the slide, there is a list of names: sunitha nandhini and K.hari Krishna. A video feed of a man is visible in the top right corner of the slide area.

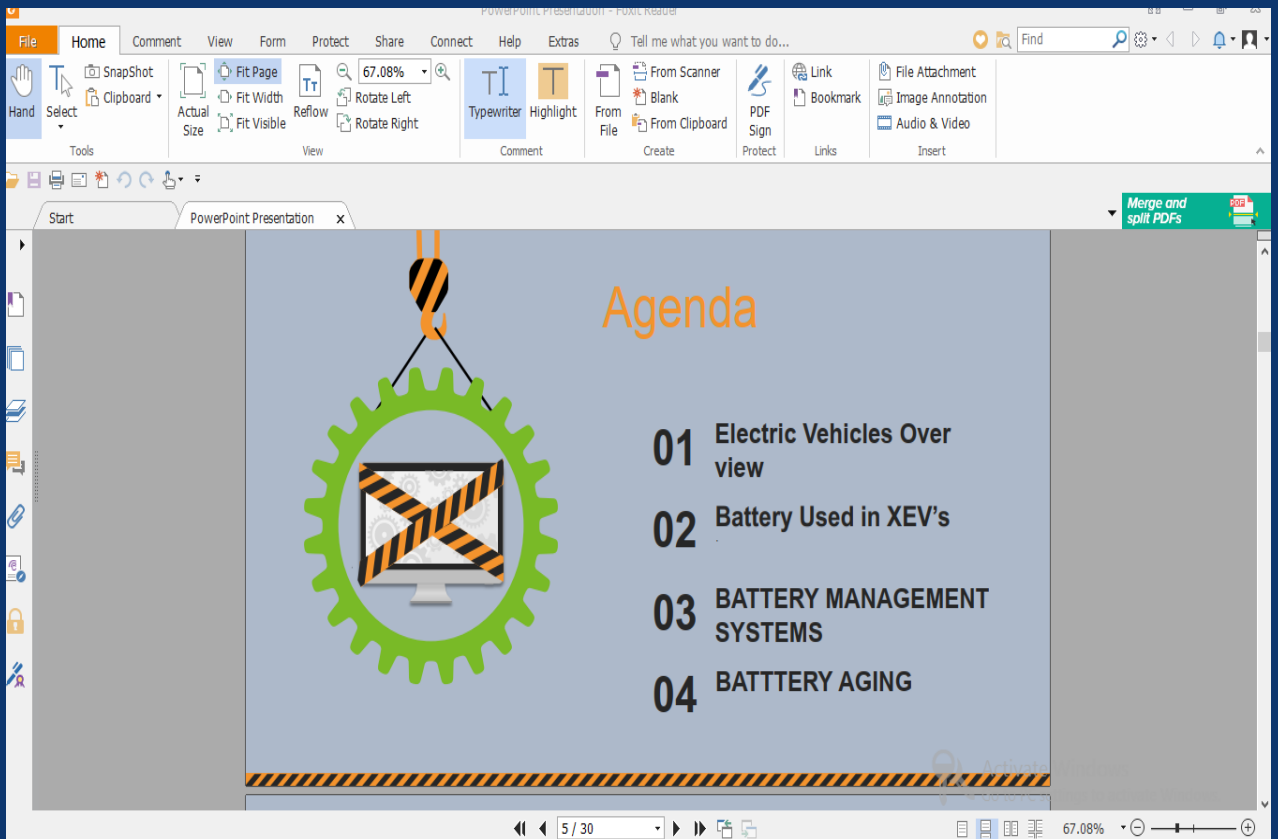
The screenshot shows the website of Sri Krishna College of Technology. The main content is a banner for the "India Rankings 2019" award. The banner includes the following information:

- nirf** logo
- SRI KRISHNA COLLEGE OF TECHNOLOGY** (AN AUTONOMOUS INSTITUTION)
- KOVAIPUDUR, COIMBATORE - 641 042.**
- India Rankings 2019**
- Ranking of Higher Educational Institutions on Performance**
- SKCT is ranked @ 145 among Engineering Colleges in India**
- 145<sup>th</sup> RANK IN INDIA** (with a trophy icon)
- INDIA RANKINGS 2019**

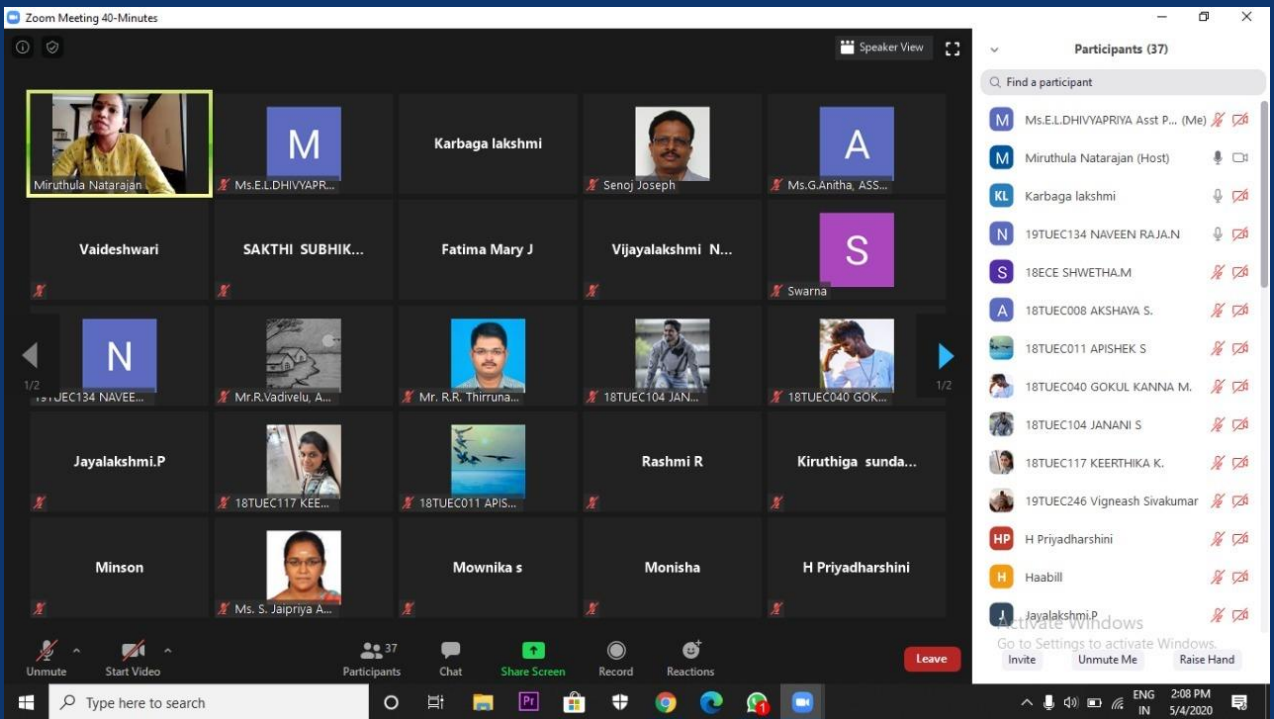
At the bottom of the banner, it says "INSTITUTE ACCOMPLISH". On the right side of the website, there is a video feed of a man and a list of names: sunitha nandhini and K.hari Krishna.



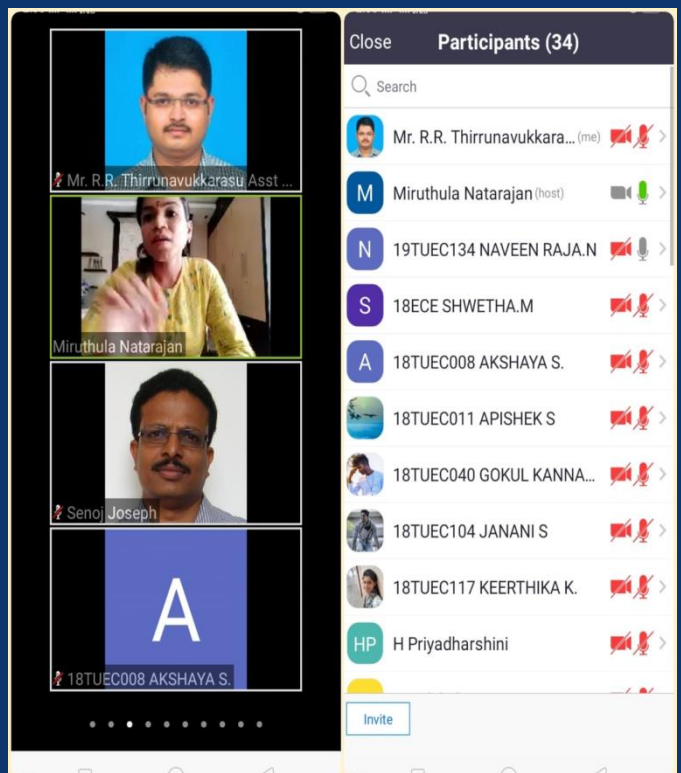
The Dept. of EEE organized a Webinar on “**Key Challenges in Electric Vehicles Battery Management Systems**” delivered by Mr R Suresh Kumar, Asst. Prof, Dept. of Automobile Engineering, PSG College of Technology on 04 May 2020. Mr K Vishnu Murthy, & Ms J Joys Nancy, Asst. Professors, Dept. of EEE coordinated the event.



The Dept. of ECE organized a motivational Webinar on “Unnai Arindhaal” with Ms Miruthula Natarajan, Social Activist, Director of Women Empowerment Wing, Vanam India Foundation, Palladam and an alumna of ECE, SKCT on 4 May 2020. Dr S Senoj Joseph, Assoc. Professor and Ms B Banuselvasaraswathy, Asst. Professor, Dept. of ECE coordinated the event.



Logo of Sri Krishna Institutions  
**SRI KRISHNA COLLEGE OF TECHNOLOGY**  
[An autonomous Institution | approved by AICTE | affiliated to Anna University | accredited by NAAC with 'A' Grade]  
 KOVAIPUDUR, COIMBATORE 641042  
 DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
[accredited by NBA under Tier-I]  
**Inviting to digitally attend the Motivational Program titled**  
**"Unnai Arindhaal"**  
**Guest Speaker**  
**Ms. Miruthula Natarajan**  
 Social Activist  
 Director of Women Empowerment wing  
 Vanam India Foundation  
 Palladam  
[an alumna of ECE, SKCT]  
 4 May 2020 @ 2:00 PM  
 Stay Home Stay Safe  
 # SKCT fights against COVID-19





The Dept. of Mechanical Engineering organized a Webinar for students and members of faculty on “**Exploring Materials, Design and Sustainability**” handled by Dr Raman Bedi, Asso. Professor, Dept. of Mechanical Engineering, NIT, Jalandhar on 04 May 2020.

Viewing Raman Bedi's s...

## Exploring Materials, Design & Sustainability using GRANTA EduPack

Dr Raman Bedi  
Associate Professor, Department of Mechanical Engineering  
NIT Jalandhar

Participants

- AS Abhimanyu Singh Host
- RB Raman Bedi
- AK Amit Kimmatkar
- PS Paramjit Singh
- PS Prasanna Shankar
- WZ Wen Zhao
- Attendee: KK Kaviyatan k Me

## Typical Inputs in Product Design & Manufacturing

Materials Science & Engineering

- Database on Materials & their properties
- Material Properties & their origin
- Structure -Property Corelation
- Properties & Process Interaction

Design Engineering

- Optimization in Material & Shape selection
  - CAD
- Finite Element Analysis

Sustainability

- Green/Ecological Design
- ECO Properties
- Life Cycle Analysis

Manufacturing Processes

- Database on Process Universe
- Process Selection
- Material-Shape-Process Relationship
- Simple Cost Modelling

Final Product

Activate Windows  
Go to PC settings to activate Windows.

Ansys / GRANTA

AICTE-ANCS Webinar- May 04

The Dept. of Mechanical Engineering organized a Webinar for students and members of faculty on **“Computational Fluid Dynamics”** handled by Mr Mangesh Gavade, Technology Specialist Cadfem on 05 May 2020.

Cisco Webex Events

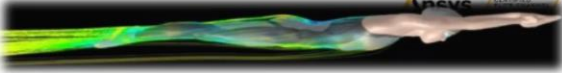
File Edit View Communicate Participant Event Help

AS MG AK PS PS SK

Abhimanyu Singh (Host) Mangesh Gavade Amit Kimmakar Paramjit Singh Prasanna Shankar Sourabh katyar

Viewing Mangesh Gavade's s...

## What is CFD?



**CADFEM**

Computational Fluid Dynamics (CFD) is the science of predicting fluid flow, heat and mass transfer, chemical reactions, and related phenomena.

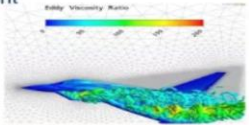
To predict these phenomena, CFD solves equations for conservation of mass, Newton's second law ( $F=ma$ ), conservation of energy etc.

**CFD can provide detailed information on the fluid flow behavior:**

- Distribution of pressure, velocity, temperature, etc.
- Forces like Lift, Drag... (external flows, Aero, Auto...)
- Distribution of multiple phases (gas-liquid, gas-solid...)
- Species composition (reactions, combustion, pollutants...)
- Much more...

**CFD is used in all stages of the engineering process:**

- Conceptual studies of new designs
- Detailed product development
- Optimization
- Troubleshooting
- Redesign



CFD analysis complements testing and experimentation by reducing total effort and cost required for experimentation and data acquisition

Introduction → CFD Approach → Pre-Processing → Solution → Post-Processing

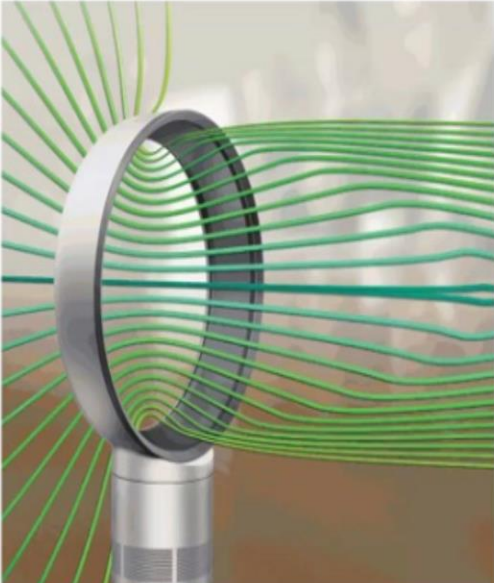
© CADFEM 2020

Viewing Mangesh Gavade's s...

## Computational Fluid Dynamics?

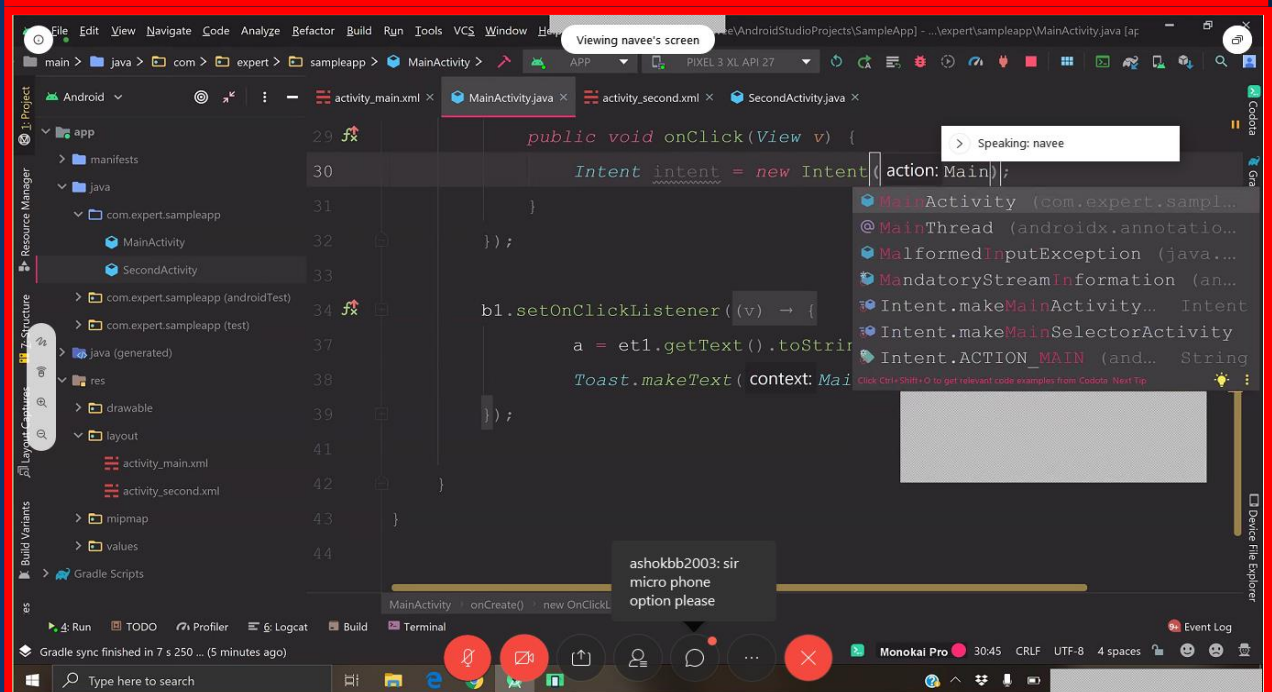
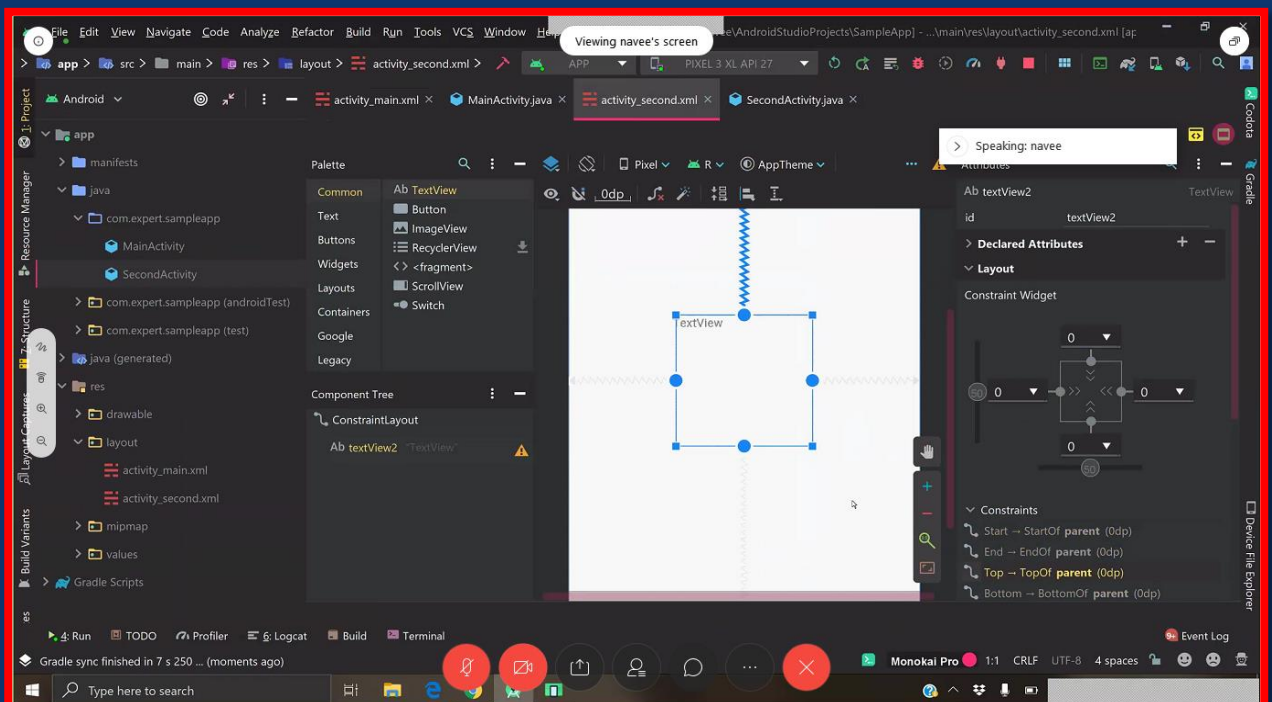
**Ansys** / **CERTIFIED ELITE CHANNEL PARTNER** / **CADFEM**

Computational Fluid Dynamics (CFD) is the science of predicting **fluid flow, heat and mass transfer, chemical reactions, and related phenomena.**

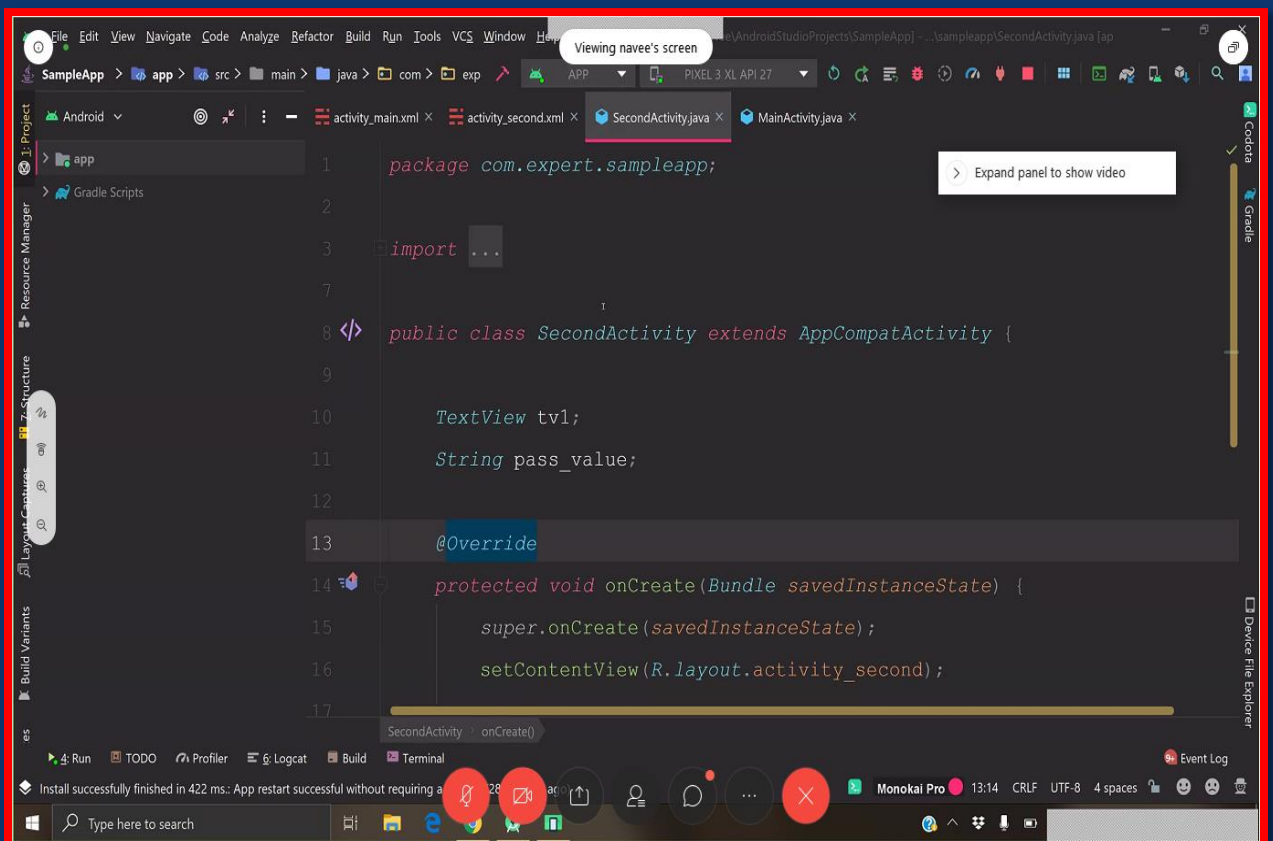
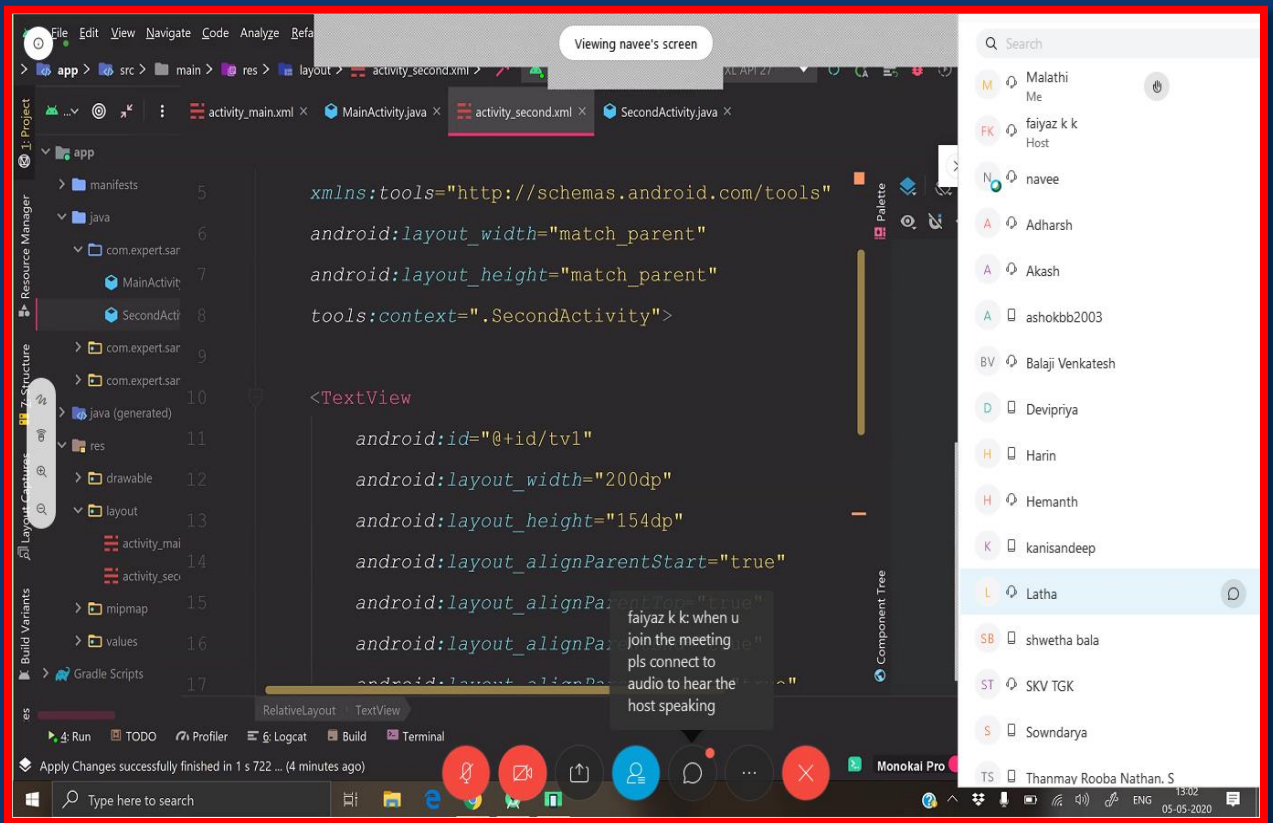




The Dept. of Information Technology and Institution's Innovation Council organized an Online Hands on Training on **"Mobile App Development for School Students"** from 04 May 2020 to 09 May 2020. On Day 2 Session, 111 students from various schools from Tamilnadu, Karnataka, and Assam, and a few students from London and Singapore attended the practical session. Ms M Malathi, Asst. Professor, Dept. of IT along with the Students of Second Year IT A Mr R M Naveen and Mr K K Faiyaz handled the session between 12.00 noon and 2.30 pm on 05 May 2020.



## Glimpses of Mobile App Development for school students





The Dept. of Information Technology and Institution Innovation's Council jointly organized a one- day Webinar on “**Agile Methodology**” delivered by Ms Priyadharshini Karuppusamy, Programmer Analyst, Chennai on 05 May 2020. Students and Members of Faculty from the Dept. of IT attended the session. The webinar was coordinated by Ms S Muthulakshmi, Asst. Professor, Dept. of IT.



**SRI KRISHNA COLLEGE OF TECHNOLOGY**  
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Accredited by NAAC with 'A' Grade, Programmes Accredited by NBA,  
**Kovaipudur, Coimbatore - 641 042.**



**DEPARTMENT OF INFORMATION TECHNOLOGY**  
&  
**INSTITUTION'S INNOVATION COUNCIL**

*Organizes*  
**WEBINAR**

*On*

**AGILE METHODOLOGY**

*By*



**Ms Priyadharshini Karuppusamy**  
**Programmer Analyst,**  
**Chennai**



5.5.2020



2.00 - 3.00 PM

**CISCO WEBEX**

**MEETING ID: 914885889**

**PASSWORD: skct123**

The Dept. of Information Technology and Institution's Innovation Council organized an Online Placement – Programming Series Class 1 for all the Students of B.E./B.Tech. on the topic “**Basics on Python Programming**”. Students from various departments attended and interacted. Ms G Lavanya, Asst. Professor, Dept. of IT conducted class between 4.00 pm and 5.00 pm on 04 May 2020.

**Python Variables and Data Types**

- An Introduction to Variables**
  - Variable Naming Rules
  - Assigning Variables
  - Multiple Assignment
  - Deleting Variables
- Data Types**
  - Numbers
  - Strings
  - Lists
  - Tuples
  - Dictionaries
- Type Conversion**
  - int()
  - float()
  - str()
  - bool()
  - list()
- Local and Global Variables**
  - Local Variables
  - Global Variables

## PROGRAM - Input, Processing, and Output

**Computer programs perform the following three steps:**

1. Input is received
2. Some process is performed on the input
3. Output is produced

```

graph LR
    subgraph Input
        H[Hours worked]
        R[Hourly pay rate]
    end
    subgraph Process
        P[Multiply hours worked by hourly pay rate]
    end
    subgraph Output
        O[Gross pay]
    end
    H --> P
    R --> P
    P --> O
  
```

2-10



Students from different branches attended an E-placement Refresher Training on **“Inheritance in JAVA Fundamentals”** conducted by Mr J Beschi Raja, Asst. Professor, Dept. of CSE between 3.30 pm & 4.30 pm on 04 May 2020.

The screenshot shows a GoToMeeting interface. The main window displays a presentation slide with the following text:

- TOPIC: INHERITANCE
- SESSION 10
- 17CS505- JAVA FUNDAMENTALS
- Mr.J.Beschi Raja,AP/CSE,SKCT

The slide also has a footer with "SESSION-10" and "17CS505- JAVA FUNDAMENTALS". The GoToMeeting control bar on the right shows the meeting ID: 325-337-005 and a list of participants including Mr. J. Beschi Raja Asst Pr., Annie Jennifer V, Harshwetha Prarath, Kalarani, Kruparane P, Pavithra Suresh, and Rakha. The meeting title is "17CS505- JAVA FUNDAMENTALS".



The Students and the Members of Faculty in the Dept. of Civil Engineering attended the Online Session on “**Hangout with Successful Startup Founder**” organized by the Institution's Innovation Council and MHRD's Innovation Cell on 04 May 2020. Dr Pankaj Parashar, CEO/Founder, Cutting Edge Medical Devices Pvt. Ltd., Indore chaired the session.



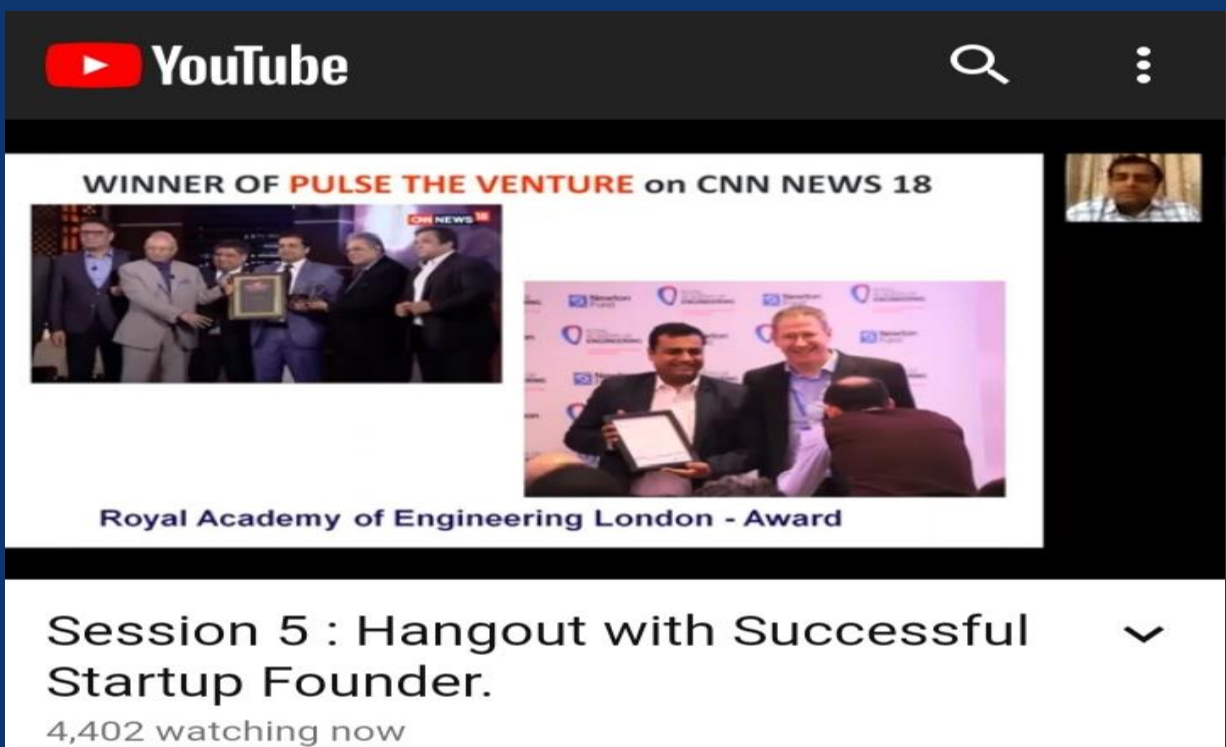
**ONLINE SESSIONS**  
by  
**Institutions' Innovation Council**  
**MHRD's Innovation Cell**

**Hangout with Successful Startup Founder**

**SPEAKER**  
Dr. Pankaj Parashar  
CEO/Founder  
Cutting Edge Medical Devices Pvt. Ltd., Indore


**Entrepreneurship Development**

[Hangout with Successful Startup Founder](#)



**YouTube** 🔍 ☰

**WINNER OF PULSE THE VENTURE on CNN NEWS 18**



Royal Academy of Engineering London - Award

**Session 5 : Hangout with Successful Startup Founder.** ▾

4,402 watching now

The Members of Faculty, Dept. of Civil, attended the Academic Panel Discussion on **“Post Covid Crisis- Challenges in Engineering Education”** organized by the Dept. of ICE, SKCT on 05 May 2020. The Panelists were Dr S Balamurugan, Professor, Dept. of EEE, Amrita Vishwa Vidyapeetham Coimbatore Campus, Dr J L Febin Daya, Professor, School of Electrical Engineering, Vellore Institute of Technology, VIT - Chennai Campus, Dr Sarat Kumar Sahoo, Prof & HOD-EEE, Parala Maharaja Engineering College, Sitalapalli, Dr N Sivakumaran, Professor, Dept. of Instrumentation and Control Engineering, National Institute of Technology Trichy, and Dr S Dharmalingam, General Manager, R&D, BHEL, Trichy.

Viewing Balamurugan's app...

### Impact of COVID 19 on Engineering Education

- Information & Communication Technology (ICT)
  - Online classes & reviews
  - Webinar
  - e – certificates
  - Online Courses
  - Online Assignments
- How effective these tools are?
- Simple, Optimal, Cost effective, efficient

Participants (22):

- ROBINSON J Me
- Ajith B Singh Host
- Balamurugan
- Agash Senthikumar
- Chinnadurai
- Dhanaselvam J
- Dharma

### Education Methodologies

- Reforms Required (High level of taxonomy)
  - Pedagogy
  - Assessment
- AICTE Exam Reforms
- 25% online & 75% class
- Laboratory classes

*\*\*For every evaluation effort, there is an equal (or greater) educational reaction. Constructive instructs. Teacher what to teach, learn instructs student's what to learn.*

Level of Autonomy	Type of Laboratory Activity	Given			
		Aims	Materials	Methods	Answer
0	Demonstration	Given	Given	Given	Given
1	Exercise	Given	Given	Given	Open
2	Structured Enquiry	Given	Given in part	Open in part	Open
3	Open Ended Enquiry	Given	Open	Open	Open
4	Project	Open	Open	Open	Open

**Pedagogy** SMART



Mr Sethu Narayanan, Asst. Professor, Dept. of Science and Humanities, attended a two-day Online International Conference on **“Imagining the Post-Coronavirus World”** during 2-3 May 2020. The Conference was organized by The School of Liberal Arts and Human Sciences (AURO University), in collaboration with Institution of Eminence (University of Hyderabad) Linnaeus University, Sweden and ScoTs, Edinburgh Napier University, Scotland.



Dr V Thiyagarajan, Professor of English, Dept. of Science and Humanities attended a Webinar on **“Home Fun: Storyworking – Keeping Distance Teaching Alive!”** presented by Ms Jane Ritter of Cambridge Assessment English on 04 May 2020.



Cambridge Assessment English

## Learning with Cambridge during lockdown

**Home Fun: Storyworking - keeping distance teaching alive!**

Monday 4 May 2020  
1.30 p.m and 6.30 p.m.

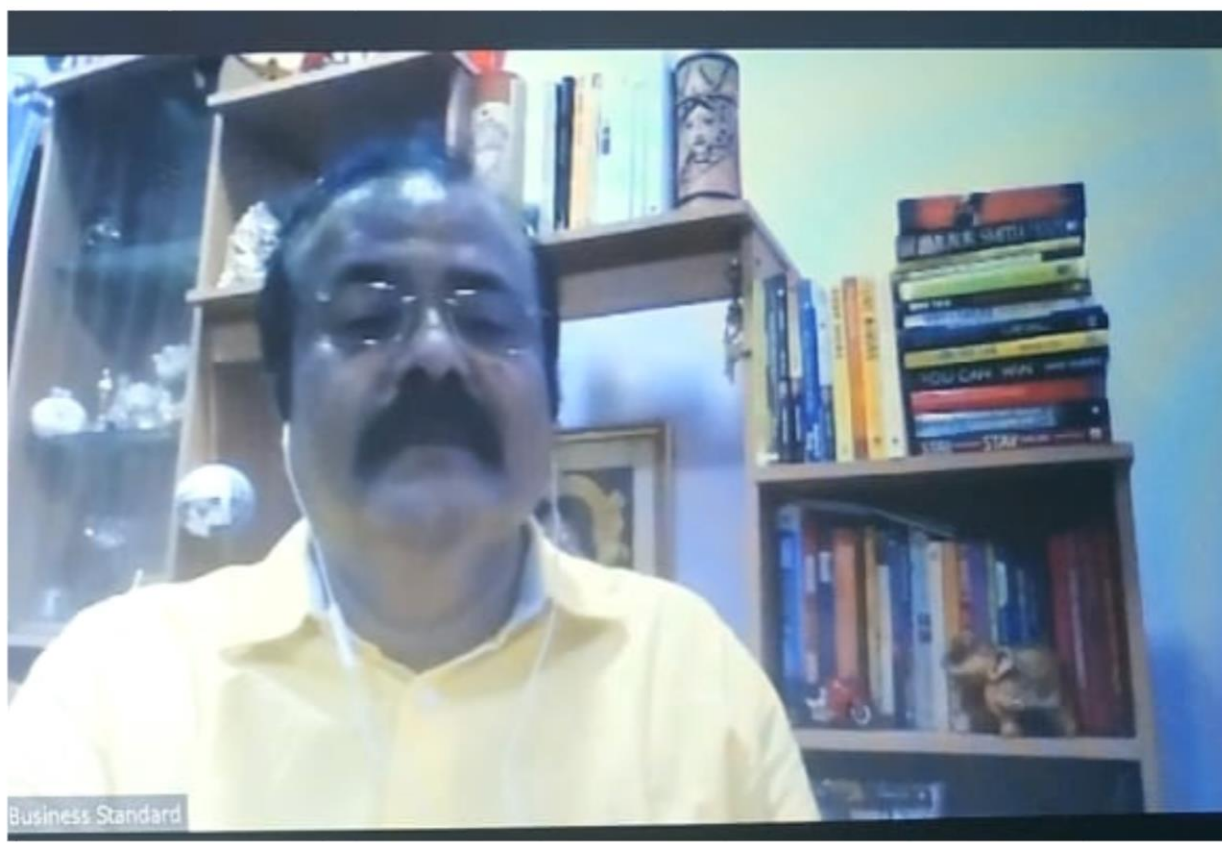
Presenter: Jane Ritter

[Register Now](#)

Who should attend: Education professionals teaching primary students



Members of Faculty, School of Management, attended a Webinar on **“Faculty Learning Program”** delivered by Dr Joe Arun, Director, LIBA throughg Business Standard on 04 May 2020.





Ms E L Dhivya Priya, Asst. Professor, Dept. of ECE attended a Webinar on “**Challenges in Integrating Nano Sensors to IoT Platform**” organized by Chennai Institute of Technology on 04 May 2020.



# CHENNAI INSTITUTE OF TECHNOLOGY

Sarathy Nagar, Kundrathur, Chennai - 600069.



## WEBINAR

on

### Challenges in Integrating Nano Sensors to IoT platform

## Certificate of Participation

This is to certify that

**DHIVYA PRIYA E L**

has participated in the Webinar on **Challenges in Integrating Nano Sensors to IoT Platform** presented by **Dr.Kazuaki Tanaka**, Faculty of Computer Science and Systems Engineering, Department of Mechanical Information Science & Technology **Kyushu Institute of Technology, Japan** organised by Chennai Institute of Technology on 04<sup>th</sup> May, 2020.



#StayHome

#StaySafe

#DigitalLearning



# FDPs ATTENDED

Mr S Karthik, Asst. Professor, Dept. of Science and Humanities attended an FDP on “Teaching -Learning and Evaluation” conducted by IQAR, SPACE, Palani on 04 May 2020.

Online course on Teaching, Learning and Evaluation



Dr.N.Puvaneswari  
PRINCIPAL



Mrs.P.Selvi  
IQAC COORDINATOR



Dr.R.Uma Maheswari  
Assistant Professor  
PG Department of Zoology

11:00 / 22:29

Scroll for details  
COURSE COORDINATORS

Online course on Teaching, Learning and Evaluation

## IQAC - APACW, PALANI

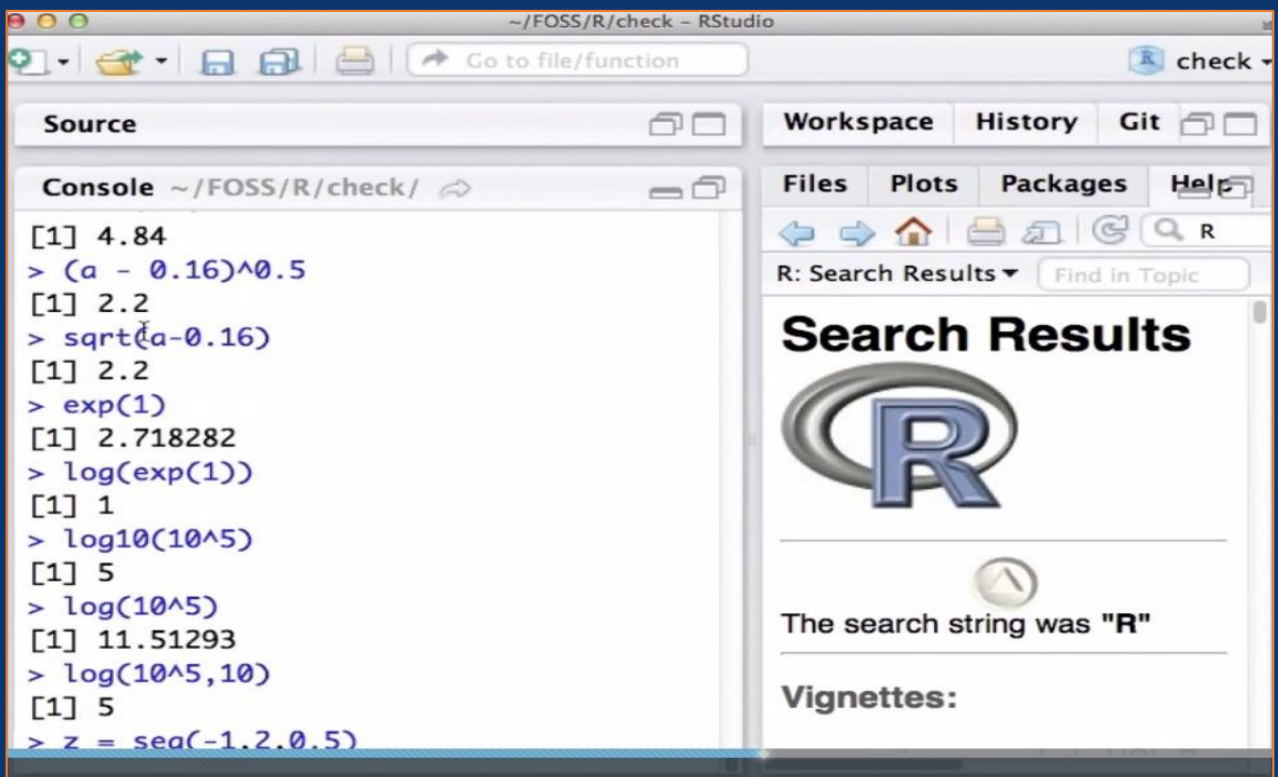
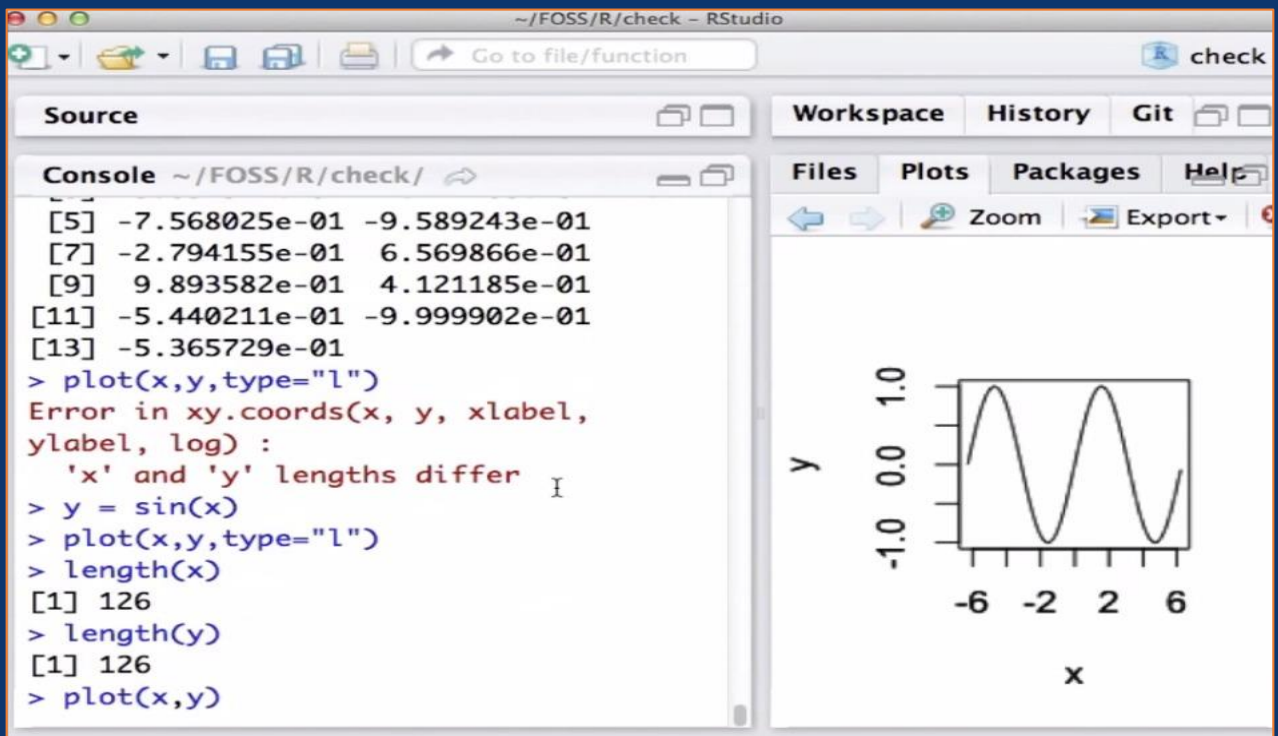
Functions towards Educational Quality Sustenance :

- To develop and apply quality benchmarks/parameters for various academic and administrative activities of the institution.
- To act as a change agent in the institution so as to ensure quality.
- To disseminate information on various quality parameters of higher education.
- To monitor the preparation of the annual academic plan of the college, the action plan of departments, and the teaching plan of individual faculty member.

11:35 / 22:29

Scroll for details

Dr M Deva Priya, Asso. Professor and Ms M S Sruthi, & Ms P Kalpana, Asst. Professors, Dept. of CSE attended the Day 2 Session of the five-day Faculty Development Programme on “**R programming**” 05 May 2020 organized by Sathyabama Institute of Science and Technology, Chennai in association with Spoken Tutorial IIT Bombay.



Dr S Siamala Devi, Asso. Professor, Dept. of CSE attended the Day 2 Session of the five-day Faculty Development Programme on “**Java Business application**” on 05 May 2020, organized by Sathyabama Institute of Science and Technology, Chennai in association with Spoken Tutorial IIT Bombay.





Ms S Sathya Bama and Ms S Soundarya, Asst. Professors, Dept. of CSE attended the Day 2 Session of the five-day Faculty Development Programme on “Python Programming” on 05 May 2020, organized by Sathyabama Institute of Science and Technology, Chennai in association with Spoken Tutorial IIT Bombay.

The screenshot shows a web browser window displaying a Spoken Tutorial video. The video content is a Python IPython terminal session. The terminal output shows the following code and results:

```
1.9000e-01 8.8390e-01

In [6]: pend = loadtxt("pendulum.txt")

In [7]: print(pend)
[[ 0.1    0.69004]
 [ 0.11   0.69497]
 [ 0.12   0.74252]
 [ 0.13   0.7536 ]
 [ 0.14   0.83568]
 [ 0.15   0.86789]
 [ 0.16   0.84182]
 [ 0.17   0.85379]
 [ 0.18   0.85762]
 [ 0.19   0.8839 ]

In [8]: L, T = loadtxt("pendulum.txt", unpack=)
```

Below the terminal, there is an 'Assignment' section with a status of 'Status: ✓' and a list of 'Code files':

- pendulum.txt
- pendulum\_semicolon.txt
- primes.txt

The forum discussion on the right side of the video shows a user asking for help with loading a text file. The user's question is:

check this  
Sir According to my knowledge you are telling how to retrieve a text from the file, for example primes.txt, but I don't have that text in my folder. While teaching this you need to educate us to save the text files before rather than just retrieve the text file directly, kindly check you video, if I am wrong kindly suggest me.

The response from the instructor is:

placing a file  
sir/madam, I am facing a problem in loading the file. I couldn't place the file in the desired location such that it could be accessed by the cat command. I hope I would get my needs fulfilled and I don't know where to place the

The screenshot shows a Python IPython terminal session. The terminal output shows the following code and results:

```
In [9]: %history 5
xlabel("$x$")

In [10]: clf()

In [11]: %history?

In [12]: %history 5-10
xlabel("$x$")
ylabel("$f(x)$")
title("$x and xsin(x)$")
%history
%history 5
clf()

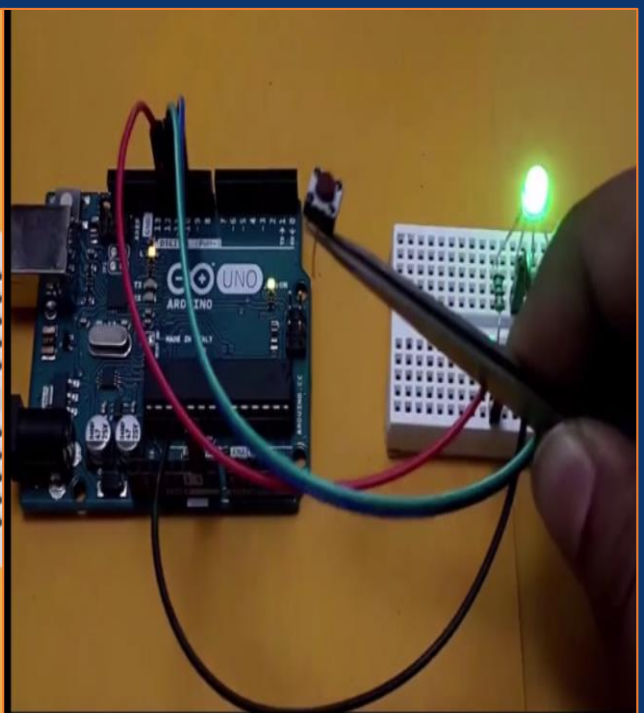
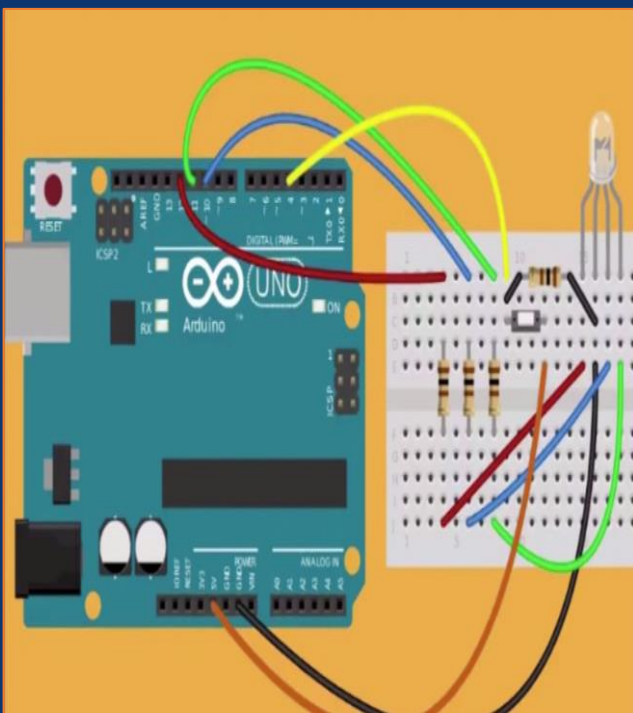
In [13]:
```

Ms S Kiruthika, Asst. Professor Dept. of CSE attended the Day 2 Session of the five-day Faculty Development Programme on "ARDUINO" on 05 May 2020, organized by Sathyabama Institute of Science and Technology, Chennai in association with Spoken Tutorial IIT Bombay.

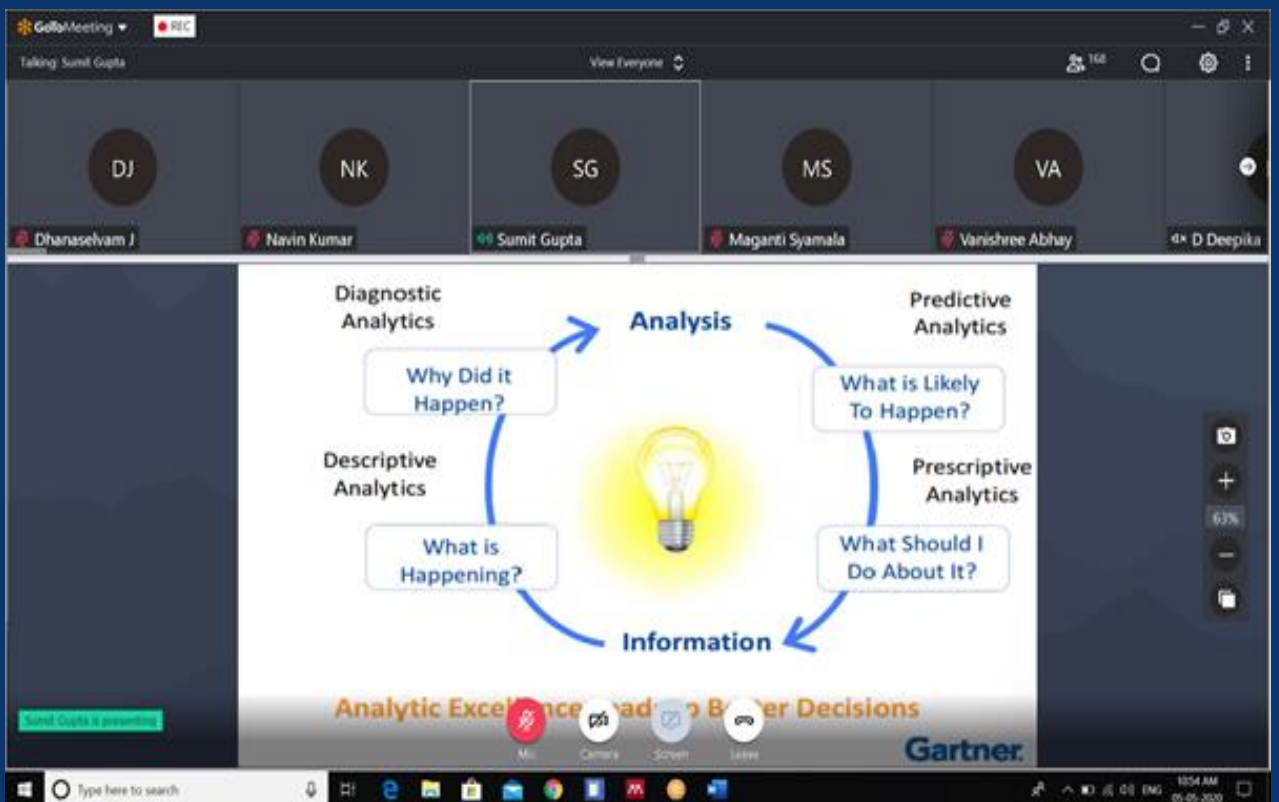
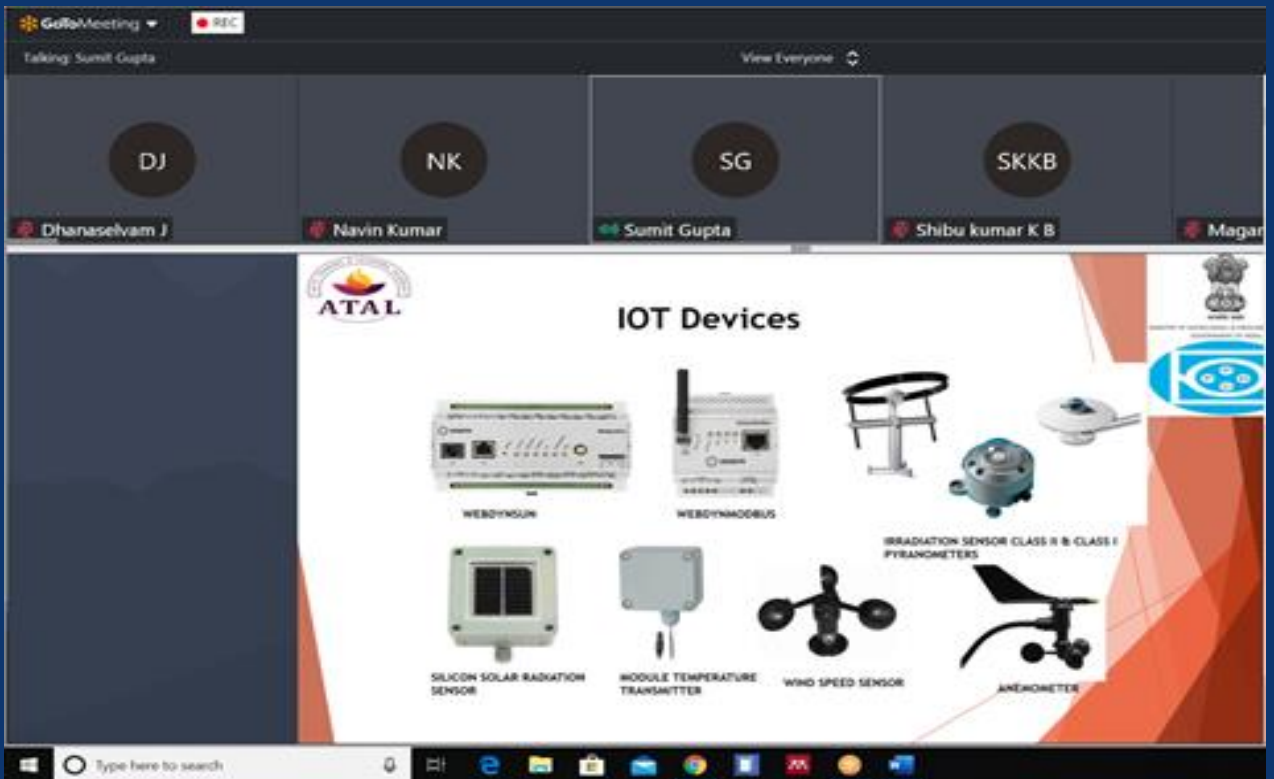
```
tricolor-LED | Arduino 1.6.9
File Edit Sketch Tools Help
tricolor-LED $
void setup() {
  // put your setup code here, to run once:
  pinMode(10,OUTPUT); //blue LED
  pinMode(11,OUTPUT); //green LED
  pinMode(12,OUTPUT); //red LED
  pinMode(4,INPUT); //push button
}

void loop() {
  // put your main code here, to run repeatedly:
  digitalWrite(10,HIGH); //blue
  digitalWrite(11,HIGH); //green
  digitalWrite(12,HIGH); //red
  delay(1000);
}

Done compiling.
/home/nirmala/Downloads/Arduino/arduino-1.6.9/hardware/tools/avr
"/home/nirmala/Downloads/Arduino/arduino-1.6.9/hardware/tools/avr
Sketch uses 1,162 bytes (3%) of program storage space. Maximum is
Global variables use 9 bytes (0%) of dynamic memory, leaving 2,03
```



Mr J Dhanaselvam, Asst. Professor, Dept. of ICE attended an FDP (Day 1 Session) on “Data Science” conducted by Mr Sumit Gupta, Coordinator, Capacity Building & Learning, MSME, and coordinated by AICTE/ATAL on 04 May 2020.





Dr P Santhosh, Asst. Professor attended the Day 2 of the FDP on “Machine Learning and Its Applications” presented by Mr Bandenawaz Bagwan, Technical Trainer, Devarty Technologies, Pvt. Ltd., Bangalore on 05 May 2020. The FDP is being organized by EICT, IIT, Roorkee.

The screenshot shows a Zoom meeting window with a Jupyter Notebook titled 'Tuples\_ex.ipynb' open. The notebook contains the following code:

```
[7] tp = (6,7,8)
print(tp)

(1, 2, 3, 4, 5, 6, 7, 8)

[ ] #Tuple methods
#index(): This method returns the index of the element
tp.index(2)

1

[ ] #count(element): This method returns the count of the number of occurrences of the element
mtp.count(2)

7

[ ] tp.count(3)
```

The Zoom interface shows 65 participants, including Dr. Santhosh P (Me), Bandenawaz (Host), Abhijit Banerjee, aditi, Ajay Dureja, Amina Begum, Anilkumar Suthar, Arka Prava Sarkar, Ashima malik, Bharati, Bhaswati Kumar, Bhumika, and Biswajit Mohapatra. The system tray shows the time as 10:38 on 05-05-2020.

The screenshot shows a Zoom meeting window with a Jupyter Notebook titled 'Tuples\_ex.ipynb' open. The notebook contains the following code:

```
[14] print(tp)

(1, 2, 3, 4, 5, 6, 7, 8, 2, 2, 2, 2, 2, 2)

[12] tp += (6,7,8)
print(tp)

(1, 2, 3, 4, 5, 6, 7, 8)

[13] #Tuple methods
#index(): This method returns the index of the element
tp.index(2)

1

[15] #count(element):
mtp.count(2)

7

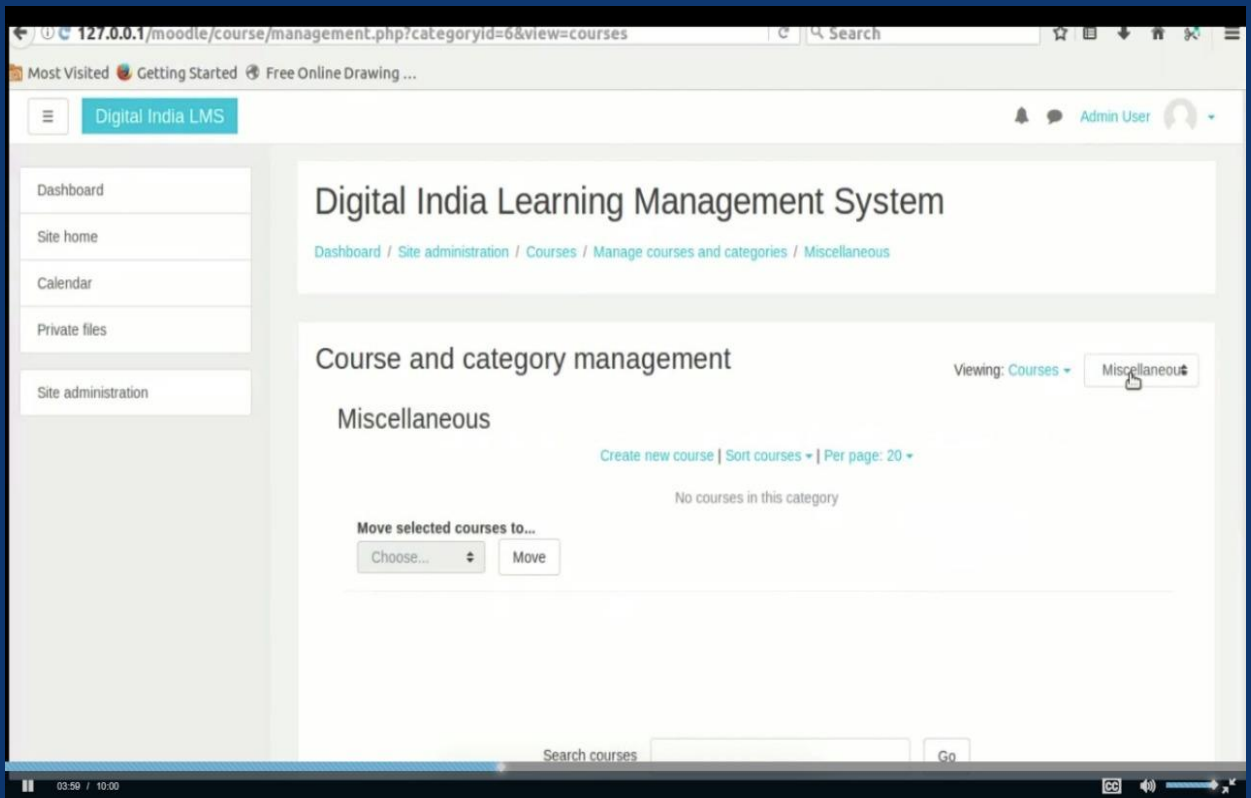
[16] mtp.count(1)

0

[ ] del mtp
```

The Zoom interface shows 65 participants. The system tray shows the time as 10:39.

Dr P Ponnuragan, Asst. Professor attended the Day 2 of the FDP on “**Moodle Learning Management System**’ presented by Ms Priyanka Sharma, National Mission on Education through ICT, APCOER in association with IIT Bombay Spoken-Tutorial.



## OS, Web Server and Moodle Versions

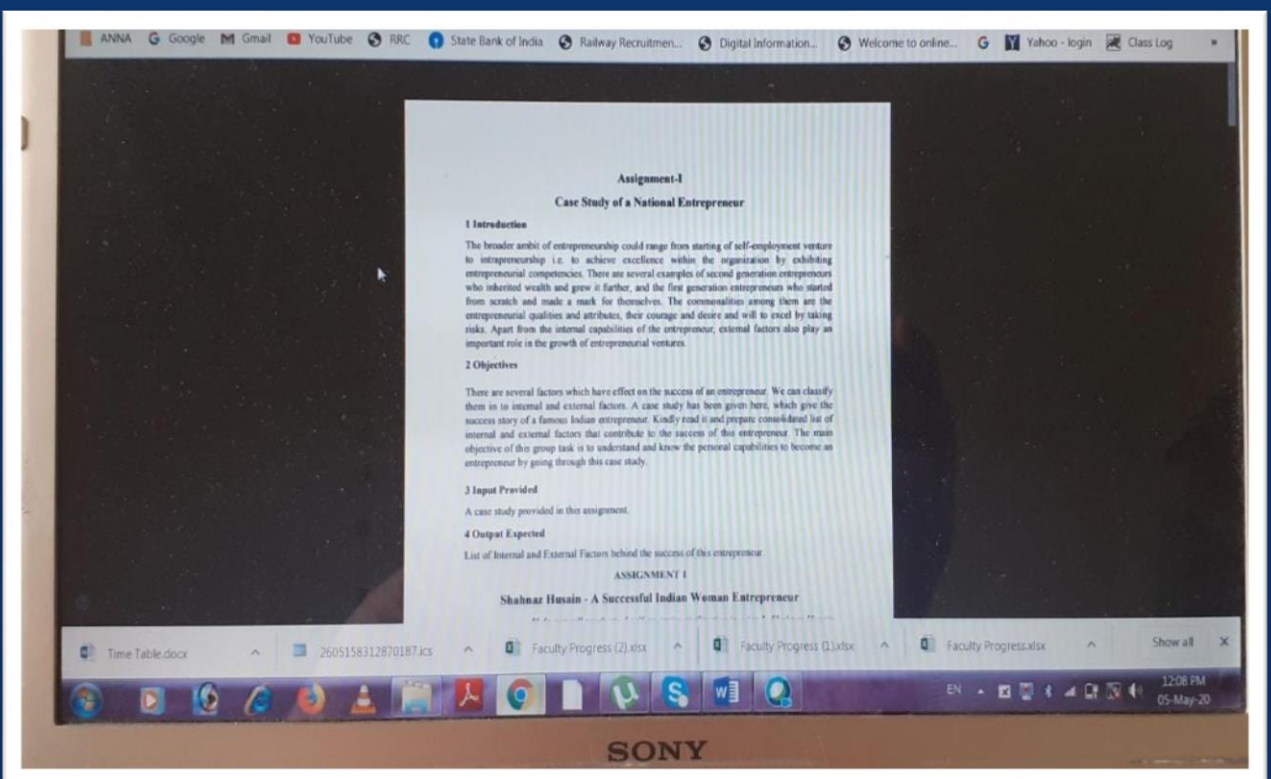
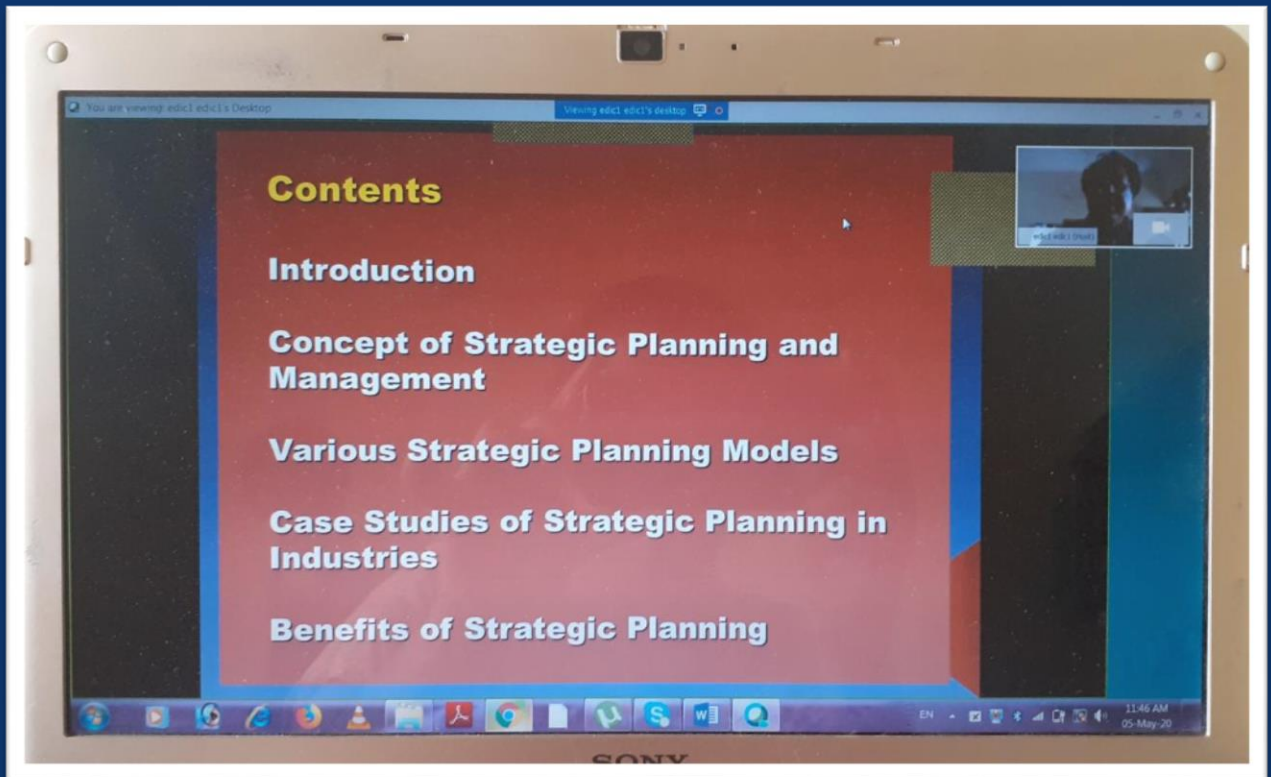
This tutorial is recorded using:

- Ubuntu Linux OS 16.04
- Apache, MariaDB and PHP obtained through XAMPP 5.6.30



Privanka & Spoken Tutorial Team Admin's Dashboard

Dr K Gaayathry, Asst. Professor attended the Day 2 of the FDP on “**Strategic Planning for Entrepreneurship Promotion**” organized by NITTTR, Chandigarh on 05 May 2020. Dr Suresh K Dhameja, Head, Dept. of Entrepreneurship Development and Industrial Coordination, NITTTR, Chandigarh handled this session.





Dr R Udaiyakumar, Prof. & Head, Dept. of ECE has been attending the five-day Faculty Development Programme on “**Academic Leadership Enhancement in Technical Institutions**” organised by NITTTR, Chandigarh since 4 May 2020.







Mr U Venkatesh Kumar, Asst. Professor, Dept. of ECE has been attending the five-day Faculty Development Programme on “Data Science & Career Enrichment” organized by MSME & ATAL since 4 May 2020.

GoToMeeting REC

Talking: Sumit Gupta View Who's Talking 165

Source :- Solar Weather Data

**Typical SRRA Station Parameters**




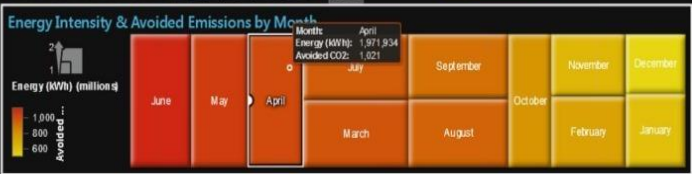

Global Horizontal Incident Radiation (GHI)	Rainfall
Diffused Horizontal Incident Radiation (DHI)	Ambient Temperature
Direct Normal Incident Radiation (DNI)	Atmospheric Pressure
Wind Speed & Wind Direction	Relative Humidity

Type here to search

GoToMeeting REC

Talking: Sumit Gupta View Who's Talking 165

Solar Energy Generation Analysis :  
Descriptive Analytics

**Energy Intensity & Avoided Emissions by Month**

Month	Energy (kWh) (million)	Avoided CO <sub>2</sub> (tonnes)
January	1,971	1,021
February	1,867	1,021
March	1,911	1,021
April	1,971	1,021
May	1,971	1,021
June	1,971	1,021
July	1,971	1,021
August	1,971	1,021
September	1,971	1,021
October	1,971	1,021
November	1,971	1,021
December	1,971	1,021

**Average Energy Production (MWh) Ranking by Month**

Month	Energy Production (MWh)
December	975
January	1,176
February	1,243
March	1,414
April	1,540
May	1,748
June	1,827
July	1,867
August	1,911
September	1,971
October	2,047
November	2,163
December	19,883

Type here to search

Dr K Sumathi, Professor, Dept. of ECE has been attending the three-day Faculty Development programme on “**Machine Learning and Artificial Intelligence**” conducted by Andhra Loyola Institute of Engineering and Technology since 4 May 2020.

FDP on ML and AI Day-1

Need help?

Leave



ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY  
VIJAYAWADA

## REAL WORLD vs VIRTUAL WORLD

WHICH ONE IS SMARTER (AN AI WORLD)

A brief insight on the evolution of the present virtual world starting from Computers in 1950's to Software applications developed using AI in 2020.

Speaker details :- Mr. Durga Naveen Kandregula, CEO,  
COIGN CONSULTANTS & GOALSTREET.  
TedxSpeaker & a Trainer by Passion.

**GOALSTREET**

[www.coign.net/www.mygoalstreet.com](http://www.coign.net/www.mygoalstreet.com)

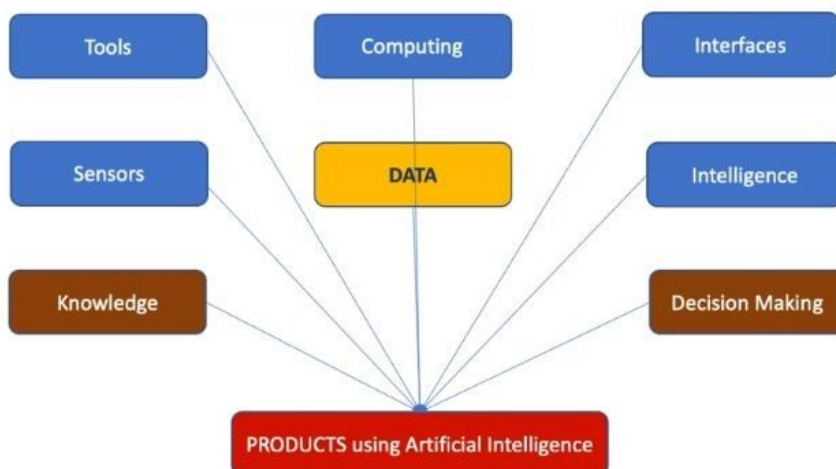


FDP on ML and AI Day-1

Need help?

Leave

### LET US UNDERSTAND HOW EACH TECHNOLOGY EVOLVED ...



**GOALSTREET**



Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE attended the five-day Faculty Development Programme on “**Arduino**” conducted by Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology from 29 April 2020 to 3 May 2020.



**POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO  
COLLEGE OF ENGINEERING & TECHNOLOGY**

ACCREDITED BY NAAC, NBA for B.TECH PROGRAMS in CSE, ECE &EEE, ISO 9001:2015 CERTIFIED



SPOKEN  
TUTORIAL

**Faculty Development Programme**

## *Certificate of Participation*

This is to certify that **GANESH PRABHU SESHADRI**, *Sri Krishna College of Technology* has actively participated in a 5 Day Faculty Development Programme on *Arduino* from 29.04.2020 to 03.05.2020 organized by *Department of ECE, PSCMR CET* in association with Spoken Tutorial, IIT Bombay-PMMNMTT and secured **A+** grade.

**Dr. A. Ravi**

Convener & HOD, ECE

**Dr. K. Nagesawara Rao**

Principal

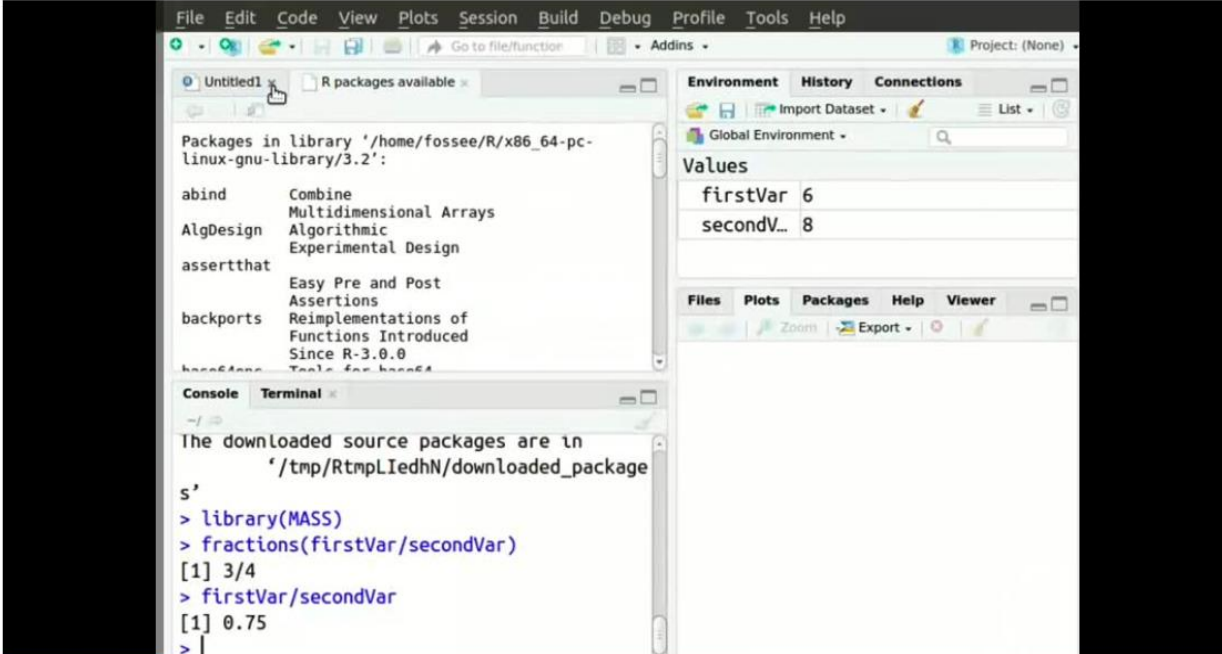
**Ravuri Subba Rao**

Secretary & Correspondent

This is a computer generated document. No signature is required.

Ms V Roopa and Ms S Madumidha, Asst. Professors, Dept. of IT attended the Day 2 Session of the five-day Faculty Development Program on “R Programming” organized by Sathyabama Institute of Science and Technology, Chennai in association with Spoken Tutorial IIT Bombay on 05 May 2020.

## Introduction to R script - English



The screenshot shows the RStudio interface. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, and Help. The main editor window displays the following R code:

```
library(MASS)
fractions(firstVar/secondVar)
firstVar/secondVar
```

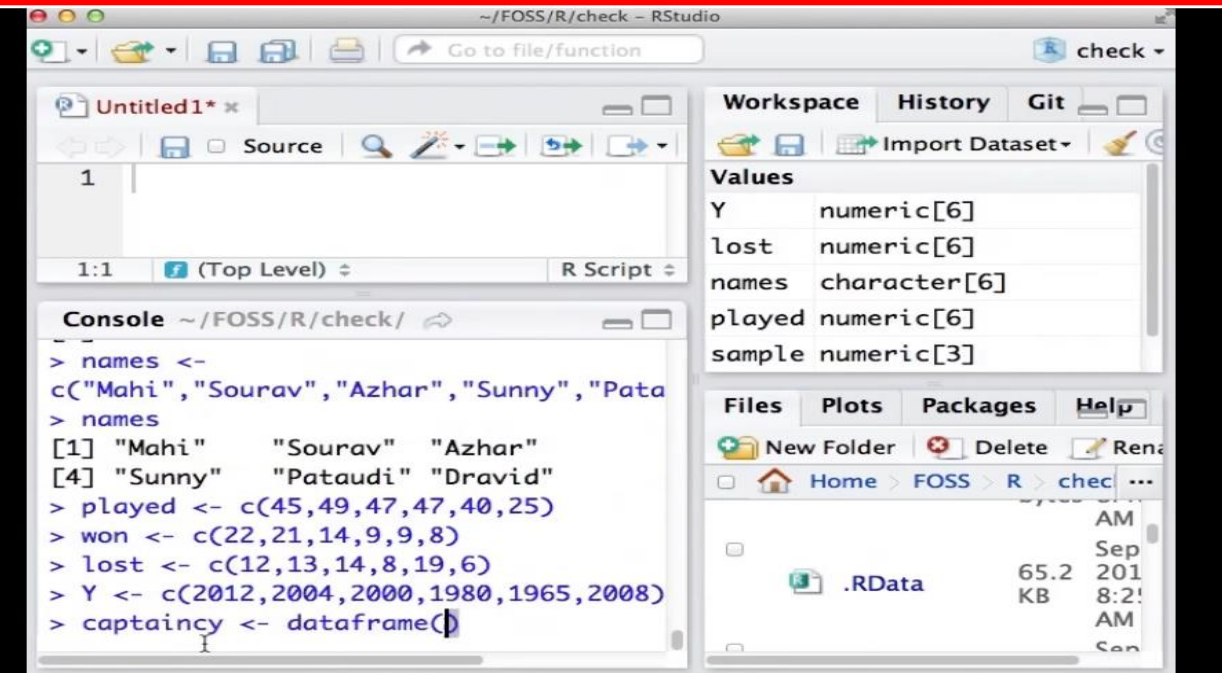
The console window shows the output of these commands:

```
The downloaded source packages are in
'/tmp/RtmpLIedhN/downloaded_packages'
> library(MASS)
> fractions(firstVar/secondVar)
[1] 3/4
> firstVar/secondVar
[1] 0.75
>
```

The Environment pane on the right shows the following values:

Variable	Value
firstVar	6
secondVar	8

At the bottom of the window, a video player interface is visible with a timestamp of 01:51 / 14:22 and the text "Script: Shaik S, Narration: Sudhakar K Introduction to R script".



The screenshot shows the RStudio interface with the following R code in the editor:

```
names <-
c("Mahi", "Sourav", "Azhar", "Sunny", "Pata")
names
played <- c(45,49,47,47,40,25)
won <- c(22,21,14,9,9,8)
lost <- c(12,13,14,8,19,6)
Y <- c(2012,2004,2000,1980,1965,2008)
captaincy <- dataframe()
```

The console window shows the output of these commands:

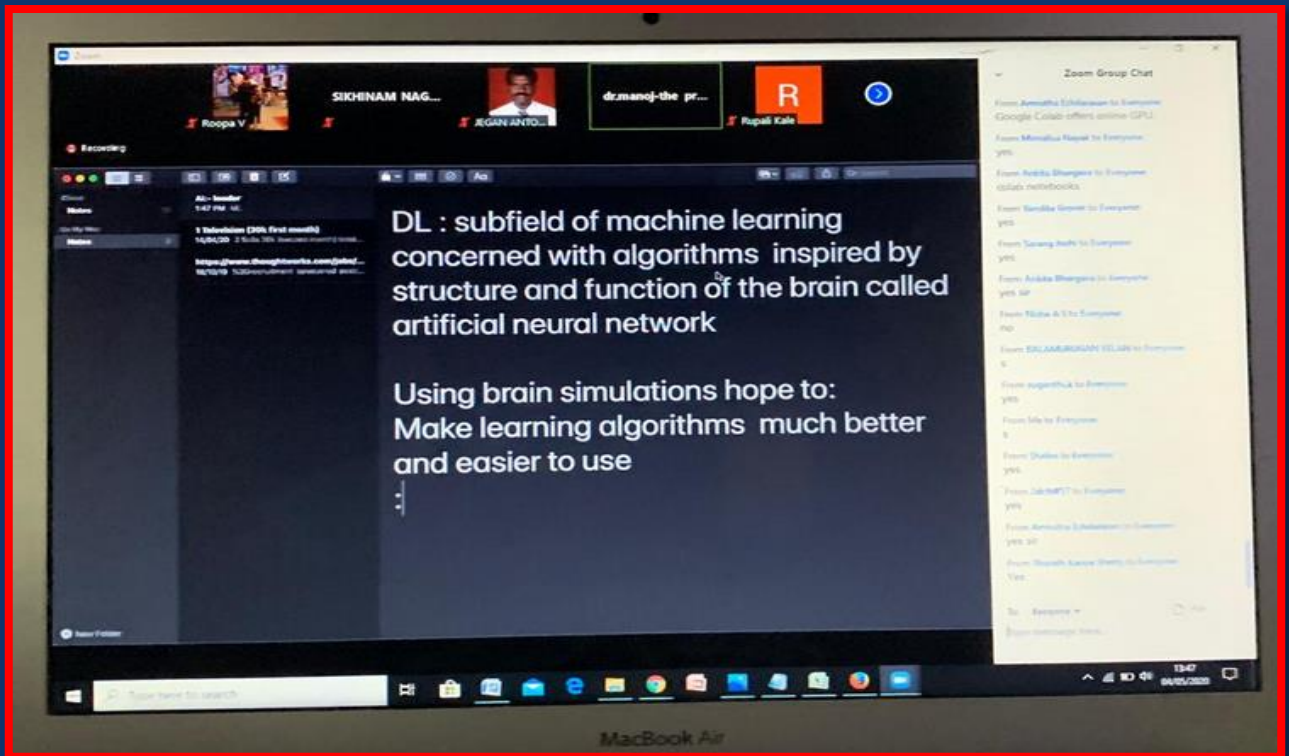
```
> names <-
c("Mahi", "Sourav", "Azhar", "Sunny", "Pata")
names
[1] "Mahi" "Sourav" "Azhar"
[4] "Sunny" "Pataudi" "Dravid"
> played <- c(45,49,47,47,40,25)
> won <- c(22,21,14,9,9,8)
> lost <- c(12,13,14,8,19,6)
> Y <- c(2012,2004,2000,1980,1965,2008)
> captaincy <- dataframe()
```

The Environment pane on the right shows the following values:

Variable	Value
Y	numeric[6]
lost	numeric[6]
names	character[6]
played	numeric[6]
sample	numeric[3]

The Files pane at the bottom shows a file named ".RData" with a size of 65.2 KB.

Ms V Roopa, Asst. Professor, Dept. of IT attended an Online Faculty Development Programme on "Deep Learning and Its Applications" organized by Electronics & ICT Academy, IIT Roorkee on 04 May 2020.





# TALK SERIES

84 Members of Faculty and 263 students of SKCT attended the NPTEL Live Session on **“Use of Technology in Educational Content Development”** presented by Dr Yogendra Pal, Project Research Scientist, IIT Bombay on 4 May 2020. Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE coordinated the event.

**NPTEL SPECIAL LECTURE SERIES**

## YouTube vs online course (MOOC)

**YouTube**

- Unstructured
- No login, signup required
- Videos are one search away
- Learner centric
- On an average a learner has to watch at least 7 videos to reach to the correct video\*.
- Only video
- Credibility is an issue
- User friendly

**Online Course**

- Structured
- Signup, login required
- Search facility is not available even for registered/paid students.
- Teacher centric
- Students learn what teacher ask them to learn.
- A complete learning experience (video, assignment, quiz, learning material, question answer etc.)
- Content is correct
- :)

Live\_Use of Technology in Educational Content Development  
1,181 watching now

169 6 Share Report Download

**NPTEL LIVE ST...** 46K subscribers **SUBSCRIBED**

**NPTEL SPECIAL LECTURE SERIES**

## How people reach to my content?

YouTube search	40.4%
Browse features	19.4%
Suggested videos	15.7%
External	12.4%
Other YouTube features	5.9%
Others	6.2%

Live\_Use of Technology in Educational Content Development  
1,379 watching now

243 8 Share Report Download

**NPTEL LIVE STREAMING** 46K subscribers **SUBSCRIBE**

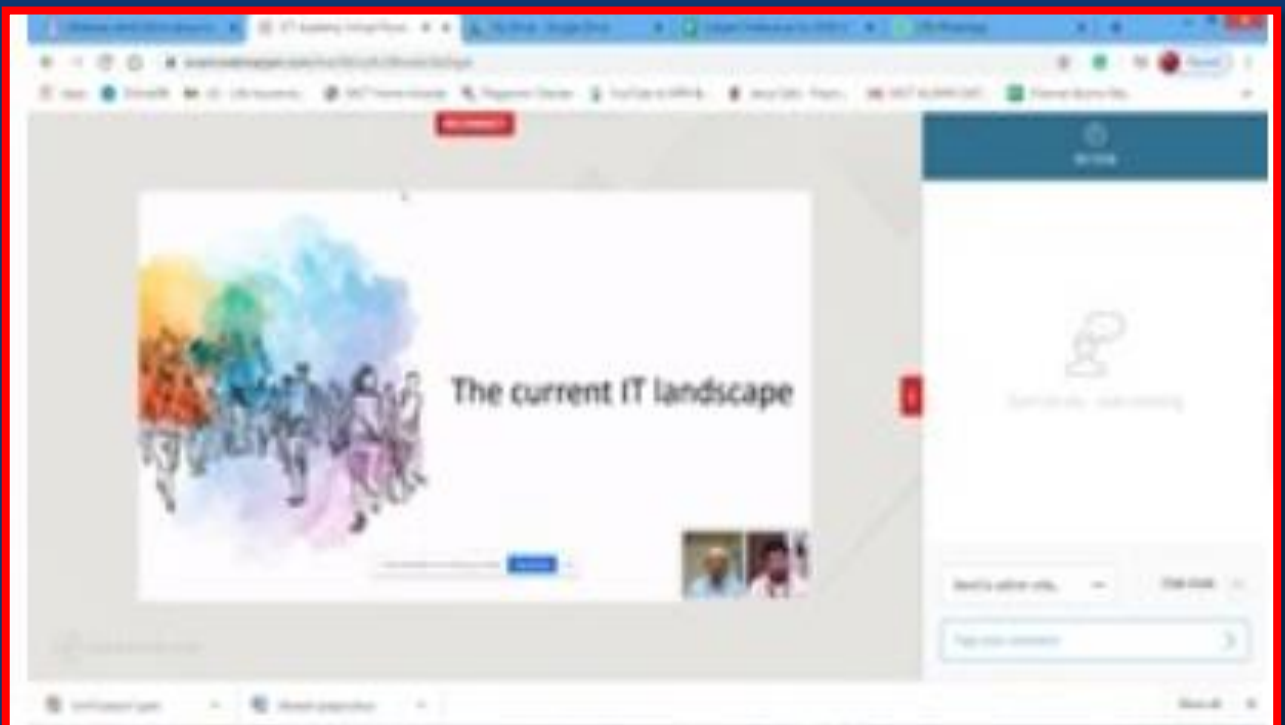
**NPTEL SPECIAL LECTURE SERIES**

## Power of educational content on Social media

- Reach to a large audience
- Make your identity
- Start online courses

Live\_Use of Technology in Educational Content Development

Members of Faculty from SKCT attended the Sky Campus – “**Digital Knowledge Series 2020 Season 4**” organized by the ICT Academy on 05 May 2020. The Resource Persons Dr Sekar Vishwanathan, Vice President, Vellore Institute of Technology and Mr Vijay Kapoor, Founder & MD, Derby Clothing Pvt. Ltd. interacted with the participants. Mr A Sureshkumar, Asst. Professor, Dept. of IT coordinated the event.



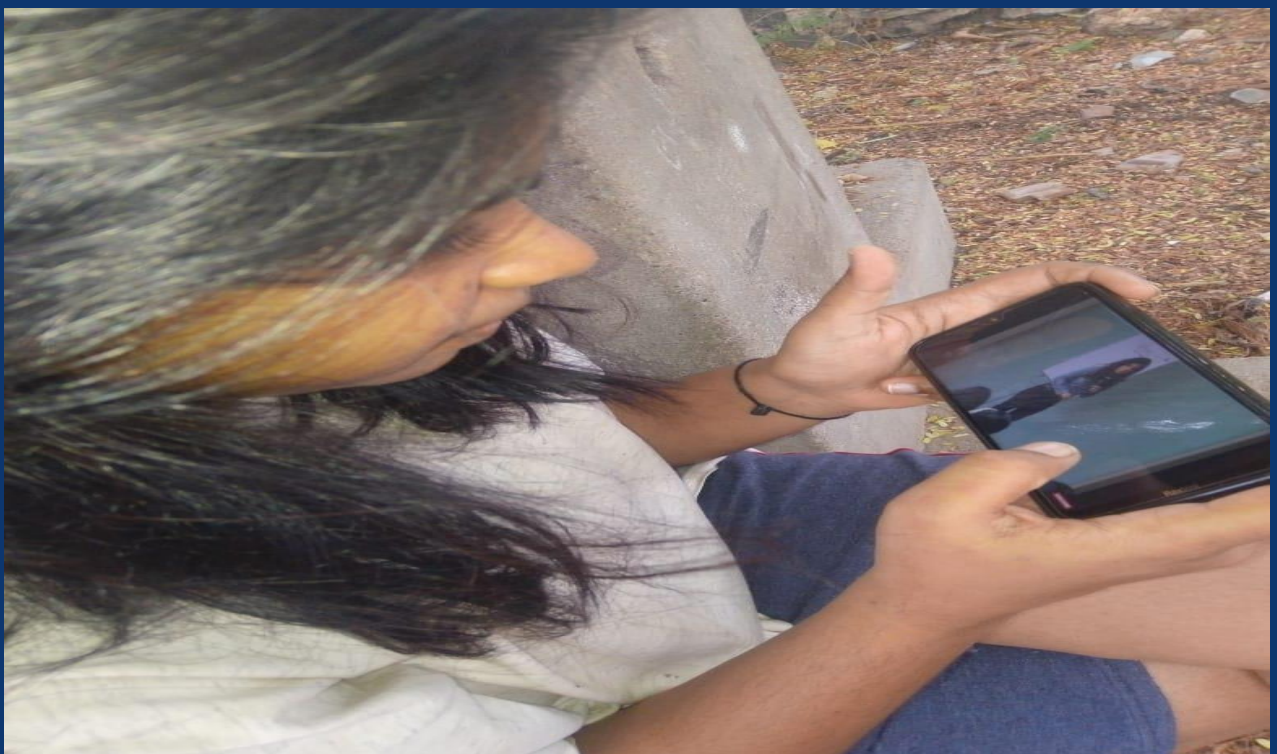
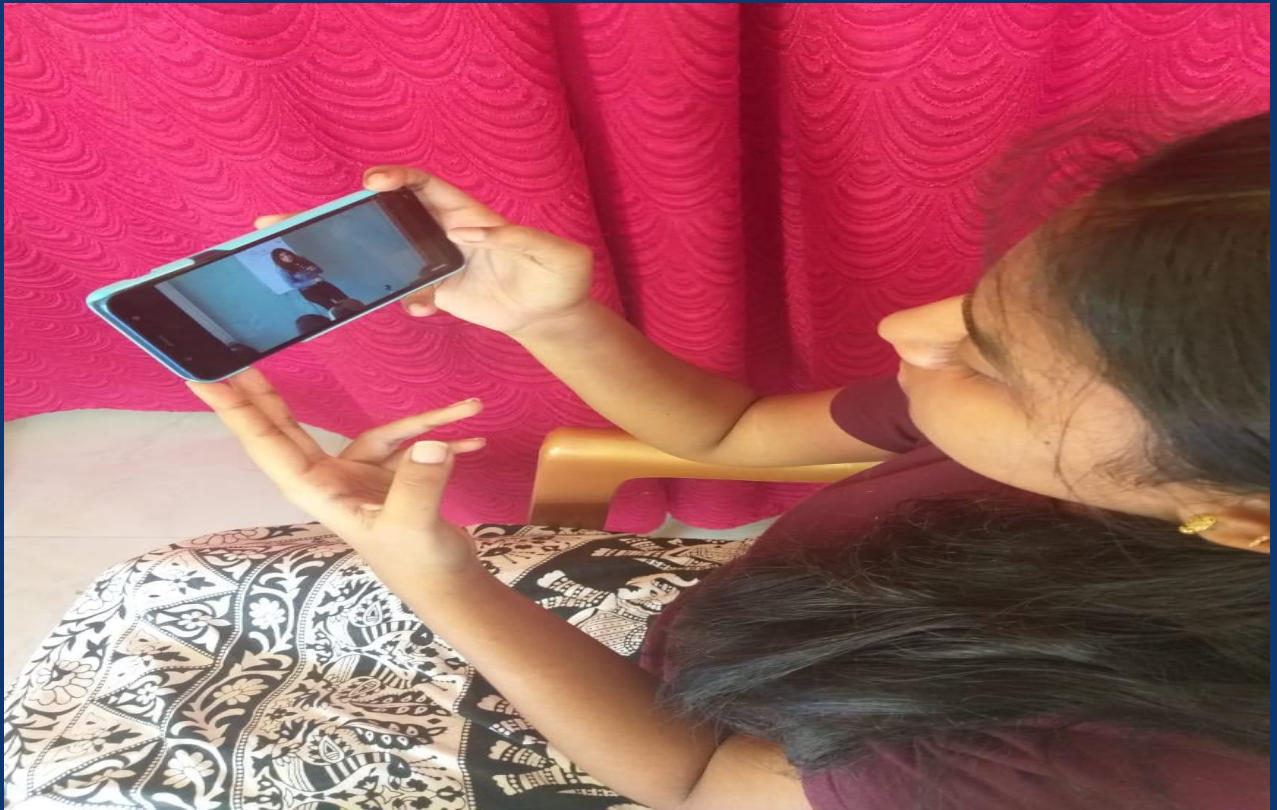
Dr Srinivasan Alavandar, Principal, Heads of various Departments, members of faculty and students of Sri Krishna College of Technology, Coimbatore attended the e-session-5 on **"Hangout with Successful Startup Founder and Learn Design Thinking Approach for Hardware Innovation"** presented by Dr. Pankaj Pararsar, CEO/Founder, Cutting-edge Technology Pvt. Ltd., Indore on 04 May 2020.



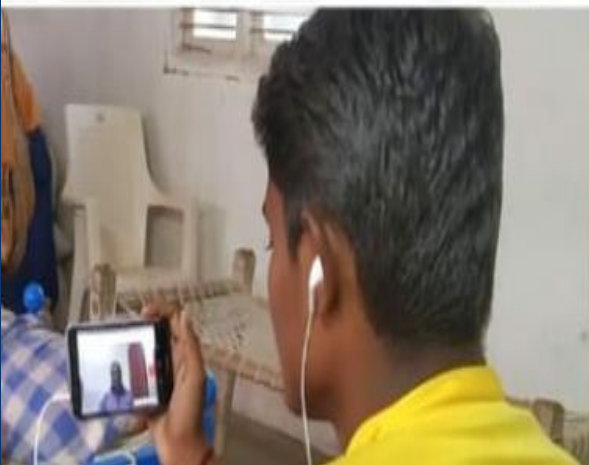
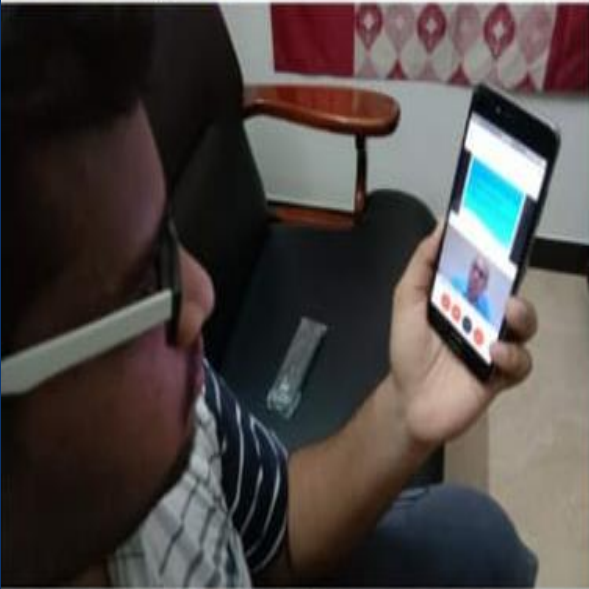


# STUDENTS' PARTICIPATION & ACHIEVEMENTS

Ms Berlin Rivya and Ms Geetha of II Year B.E. ICE Students attended a Webinar on **"Your Successful is Your Responsibility"** delivered by Ms Priya Kumar, a Motivational Speaker on 05 May 2020.



I Year MBA Students of the School of Management attended a Webinar on “**Recession to Recovery**” on 04 May 2020 organised by Coimbatore Management Association.





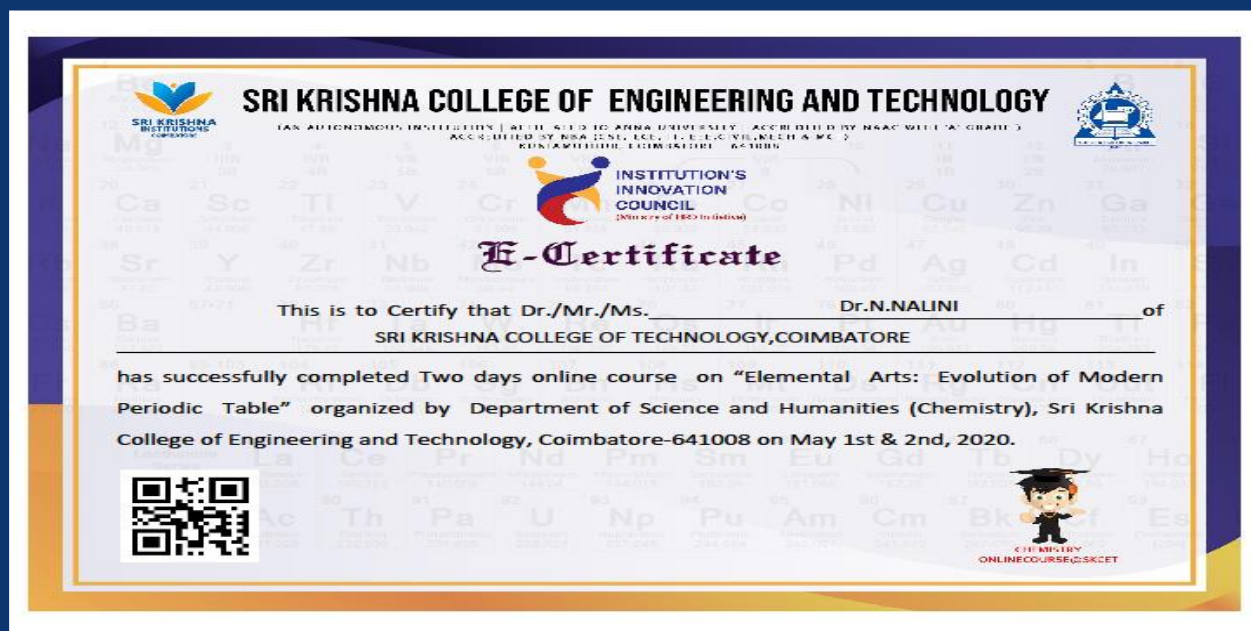
AASHRAYA 2020- Day 9 Activity - Sutham Soru Podum & Awareness Meme. Students and members of faculty from Dept. of CSE participated in various activities and exhibited their talents.





# FACULTY PARTICIPATION & ACHIEVEMENTS

Dr N Nalini, Asst. Professor, Dept. of Science and Humanities attended the two-day Online Course on “**Elemental Arts: Evolution of Modern Periodic Table**” organized by Department of Science and Humanities (Chemistry), Sri Krishna College of Engineering and Technology, Coimbatore during 1- 2 May 2020.



Dr N Nalini, Asst. Professor, Dept. of Science and Humanities attended the one-day Online Workshop on “**Book & Article Publishing and Springer Link Platform Demonstration**” organised by Guru Nanak Dev University, Amritsar on 29 April 2020.



Dr M Lenin Sundar, Professor, Dr V Sreevidya, Asso. Professor, Ms A Vennila, Mr R Ramesh, Mr T P A Aravind, Ms S Muthukeerthana, Mr G Manikandan, Mr J Robinson, Ms S Dharsana and Ms G Selina Ruby, Asst. Professors in the Dept. of Civil Engineering completed their **15th Module** in the **Elsevier - Researcher Academy Portal** to improve their Research and Publication Skills on 05 May 2020.



## Researcher Academy

Mr J Beschi Raja, Asst. Professor, Dept. of CSE completed a certification on **“Speaking Effectively”** offered by Harappa in association with NASSCOM.



Dr N Nalini, Asst. Professor, Dept. of Science and Humanities attended the one-day Online Workshop on “Book & Article Publishing And Springer link Platform Demonstration” organised by Guru Nanak Dev University, Amritsar on 29 April 2020.



Dr D Santhosh Shanthakumar, Asst. Professor, Dept. of Science and Humanities participated in Corona Awareness Meme Creation Event as part of "AASHRAYA 2020" on 05 May 2020.





Dr E Nandakumar, Asso. Professor, Dept. of EEE has been certified for having successfully participated in a Webinar on “Challenges in Research : Publications & Ethics” conducted by Audisankara College of Engineering & Technology (Autonomous), Gudur, Andhra Pradesh on 03 May2020.



Mr S Nagakumararaj, Asst. Professor, Dept. of EEE has been certified for having successfully participated in the one-week Faculty Development Program organized by Civil Engineering Department, Government College of Engineering, Karad, Maharashtra.



This is e-certificate, for any verification you may contact Department of Civil Engineering, Government College of Engineering Karad.

Dr P Pandiyan, Dr S Saravanan, Dr P Ponmurugan, Asst. Professors, Dept. of EEE have successfully completed the modules such as “**Plagiarism, Authorship, Making Academia -industry collaborations Work, How to Produce Highly Visible Research, and Useful Tips for Researchers**” conducted by the Researcher Academy, Elsevier BV.



**Researcher Academy** researcheracademy.com

## Certificate of Completion



This certifies that

**Saravanan S**

has successfully completed the following module

**Plagiarism**

on Tuesday 05 May, 2020  
Presented by Catriona Fennell

*Suzanne BeDell*  
Suzanne BeDell  
Managing Director, Education  
Reference & Continuity Books

*Philippe Terheggen*  
Philippe Terheggen  
Managing Director, Science,  
Technology & Medical Journals



**Researcher Academy** researcheracademy.com

## Certificate of Excellence



This certifies that

**Ponmurugan PANNEER SELVAM**

has successfully completed every module within

**Research collaborations**

on Monday 04 May, 2020

*Suzanne BeDell*  
Suzanne BeDell  
Managing Director, Education  
Reference & Continuity Books

*Philippe Terheggen*  
Philippe Terheggen  
Managing Director, Science,  
Technology & Medical Journals



Dr D Jeyabharathi, Asst. Professor, Dept. of IT, participated in the AASHRAYA 2K20 “Sutham Soru Podum and Awareness Memes”, organized by Sri Krishna College of Technology on 04 May 2020.





# MEETINGS & DISCUSSIONS

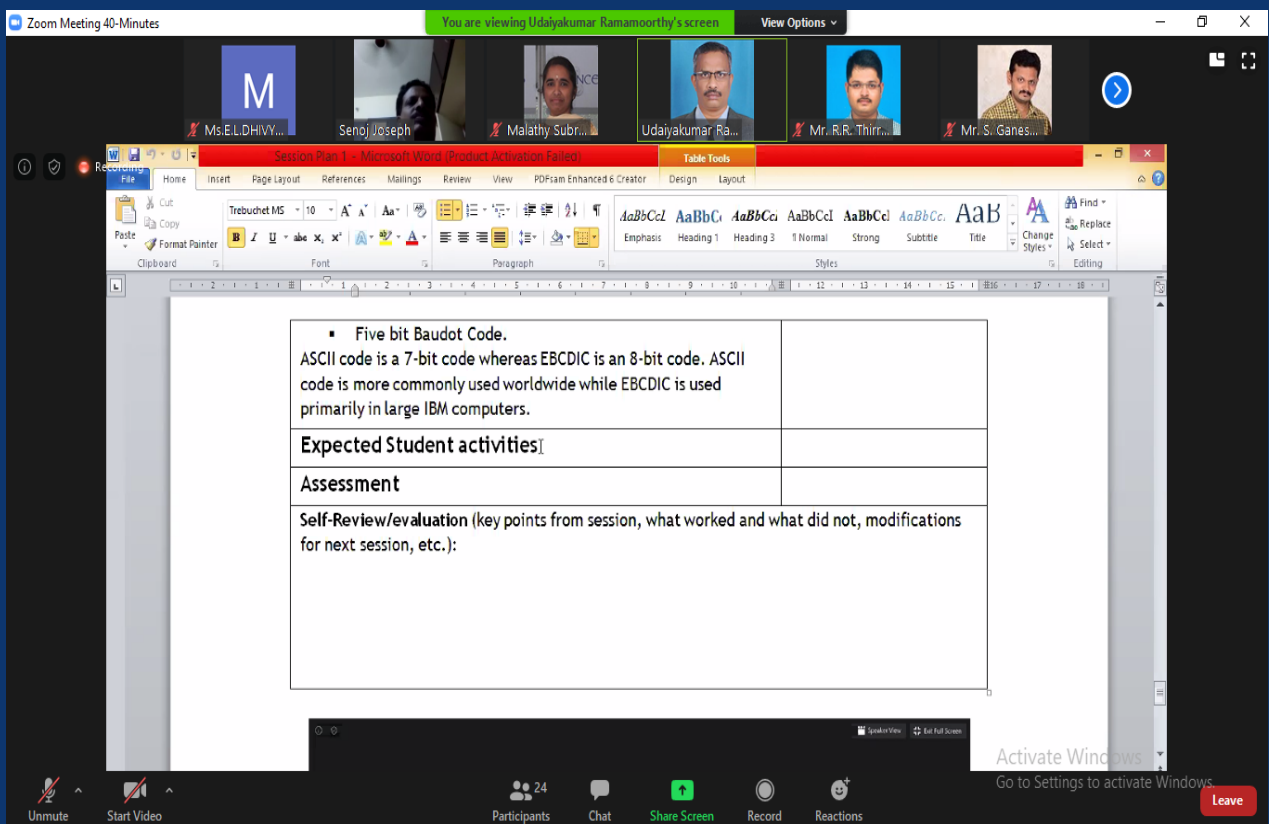
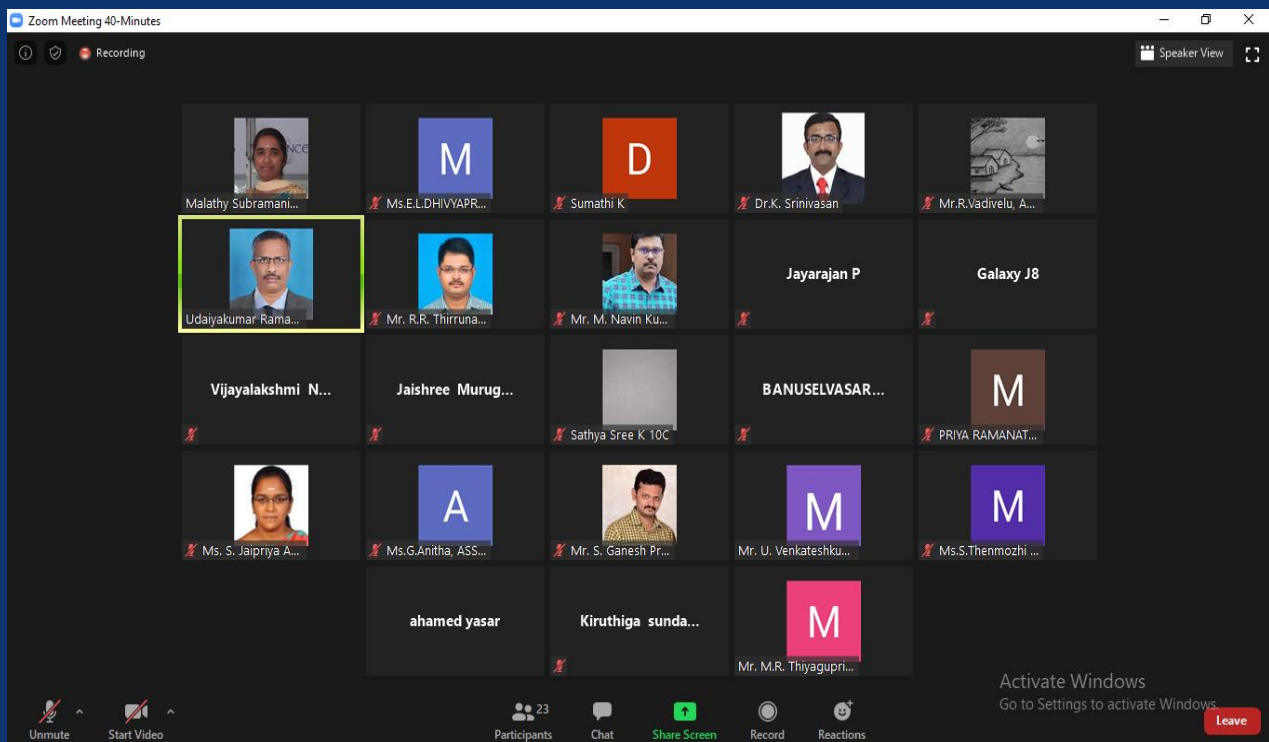
Dr P Manju, Prof. & Head, Dept. of ICE convened the **Faculty Meeting** for all the members of faculty of the Dept. of ICE and discussed the progress of various curricular activities during the lockdown period on 04 May 2020.



Dr K Rajangam, Prof. and Head, Dept. of EEE conducted an online **Faculty Meeting** with all the members of faculty through Zoom App on 05 May 2020 regarding the collection of Digital Content correlating with the Course Content and creating a Preamble for the Course; the contents for the Module1 which is expected to be completed before the deadline; classes should be as discussion forum, creation of google classroom as per guidelines; faculty to attend FDP conducted by AICTE / ATAL / NITTTR / Institute of Eminence, etc.

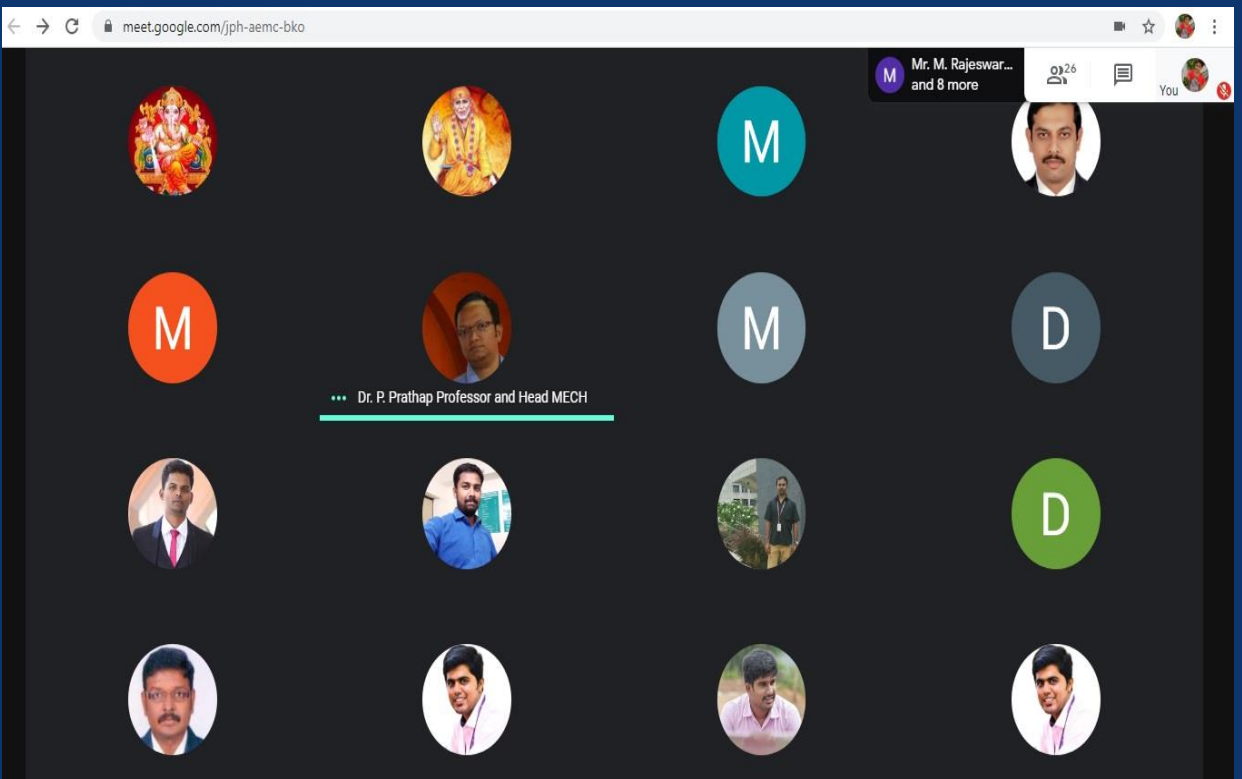
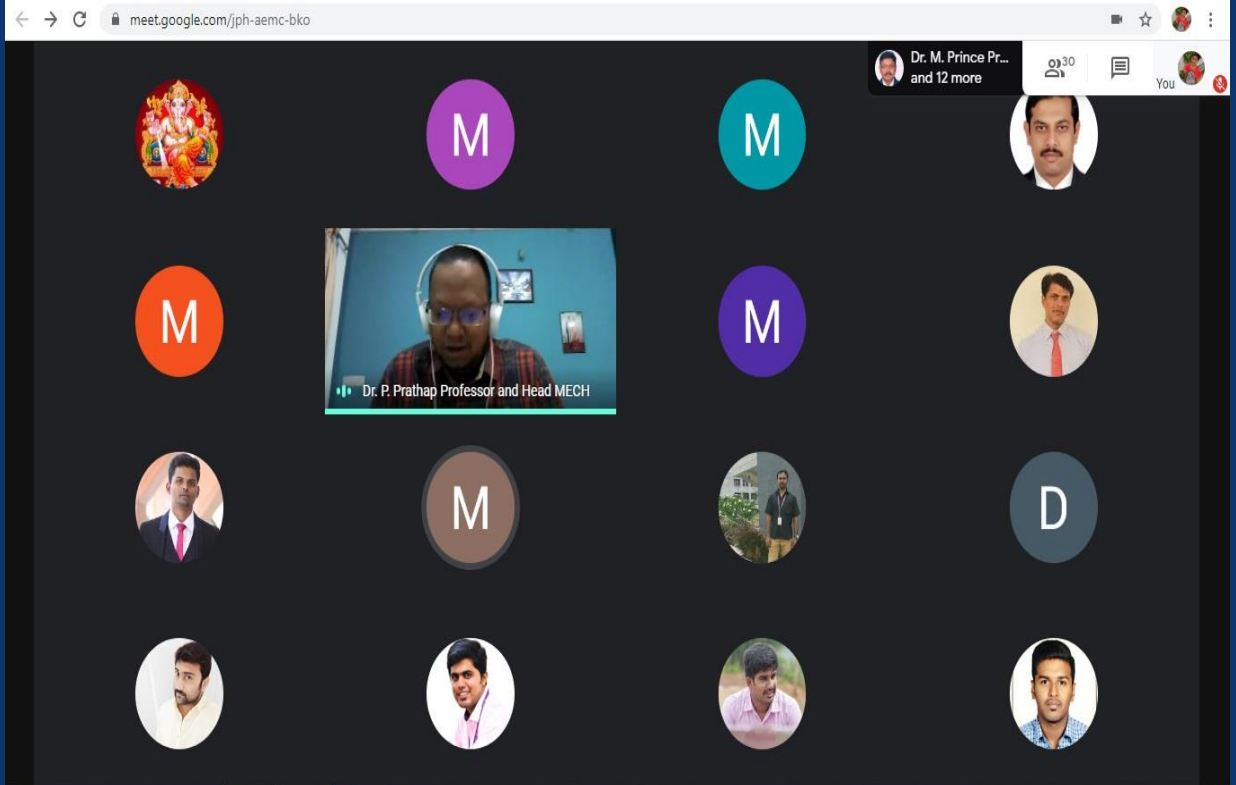


Dr R Udaiyakumar, Prof. & Head, Dept. of ECE convened a **Faculty Meeting** with the members of faculty, Dept. of ECE regarding the preparation of digital course contents and the techniques to encourage self-learning among students on 4 May 2020.





Dr P Prathap, Prof. & Head, Dept. of Mechanical Engineering conducted the **Department Meeting** with the members of faculty of on 05 May 2020 and reviewed the on-going activities of the department.



Dr A Balamurugan, Prof. & Head, Dept. of CSE convened a **Faculty Meeting** between 9.00 am and 10.00 am on 05 May 2020 and discussed the digital content preparation for the Academic Year 2020-2021 Odd Semester.

The screenshot displays a Zoom meeting interface. On the left, a large video window shows a man with glasses speaking. Below it is a grid of 20 smaller video windows, each with a name and a small profile picture. On the right, a 'Participants (26)' list shows the names of all attendees, including their initials and icons for video and audio status.

Participant Grid					Participants (26)	
A. Balamurugan	Nivedhitha CSE	Siamala Devi	SUGANYA T/ AP...	Sathya Bama	BR	Beschi Raja J (me)
DEVA PRIYA M	Viraja Ravi	PRIYANKA G	Mr. T. RAGHUNA...	Sam Peter Soun...	D	Dr. A. Balamurugan, PR... (host)
Beschi Raja J	Sunitha Nandhini	Anantha Prabha	Ms. S. SOUNDA...	Aiswaryadevi V J	DP	Dr. P. Tamije Selvy Professo...
andhya G	Poorani G	Ms. M.S. Sruthi A...	kavithamargret	Dhanalakshmi B...	AP	Anantha Prabha
FEMILA SONY	Ms. S. KIRUTHIK...	NIVETHA NRP	Galaxy J2	Ms. P. Kalpana AS...	D	DEVA PRIYA M
					DB	Dhanalakshmi Balakrishnan
					FS	Femila SONY
					K	kavithamargret
						Mr. R. KARTHIK Asst Prof C...
						Ms. M.S. Sruthi Asst Prof C...
						Ms. S. KIRIITHIKA Asst Prn

Dr G M Tamilselvan, Prof. & Head, Dept. of IT convened the **Department Meeting** with the Members of Faculty and discussed Video Materials Preparation for upcoming Academic Year, Lockdown Activities, etc. on 04 May 2020.

Less than 1 minute

Talking: Tamil Selvan, Kanmani R

Meeting Topic: Tamil Selvan's Personal Meeting Room

Host: Tamil Selvan

Invitation URL: <https://us04web.zoom.us/j/9516211428>  
Copy URL

Participant ID: 353734

Join Audio  
Computer Audio Connected

Share Screen

Invite Others

Participants (17)

Find a participant

- RK Rajesh Kumar T (Me)
- Tamil Selvan (Host)
- Kanmani R
- Ms.A. Christy Jeba Malar ASST. ...
- J Jeya Bharathi
- LG Lavanya G
- MK Ms. K. Mythili Asst Prof IT
- Ms. M. Malathi Asst Prof IT
- MR Ms. R.Suganya, ASST. PROF
- Ms. S. Madumidha Asst Prof IT
- Ms. S. Priyadharshini Asst Prof IT
- MUTHULAKSHMI
- RD Ranjani Dhanapal
- R reshma
- Cinthi Maana V

Unmute Start Video Participants (17) Chat Share Screen Record Leave Meeting

Invite Unmute Me Raise Hand

Difficult roads  
often lead to  
beautiful  
destinations