

SKCT DIGEST

SPECIAL ISSUE - 30

**07 DECEMBER - 11 DECEMBER
2020**



**SPECIAL
EDITION**

EDITOR - IN - CHIEF

*Dr Srinivasan Alavandar,
Principal*

EDITORIAL TEAM

Ms S Soundarya, CSE

Ms S Thenmozhi, ECE

Ms B Pavithra, S&H

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EVENTS ORGANISED



@skctdigest

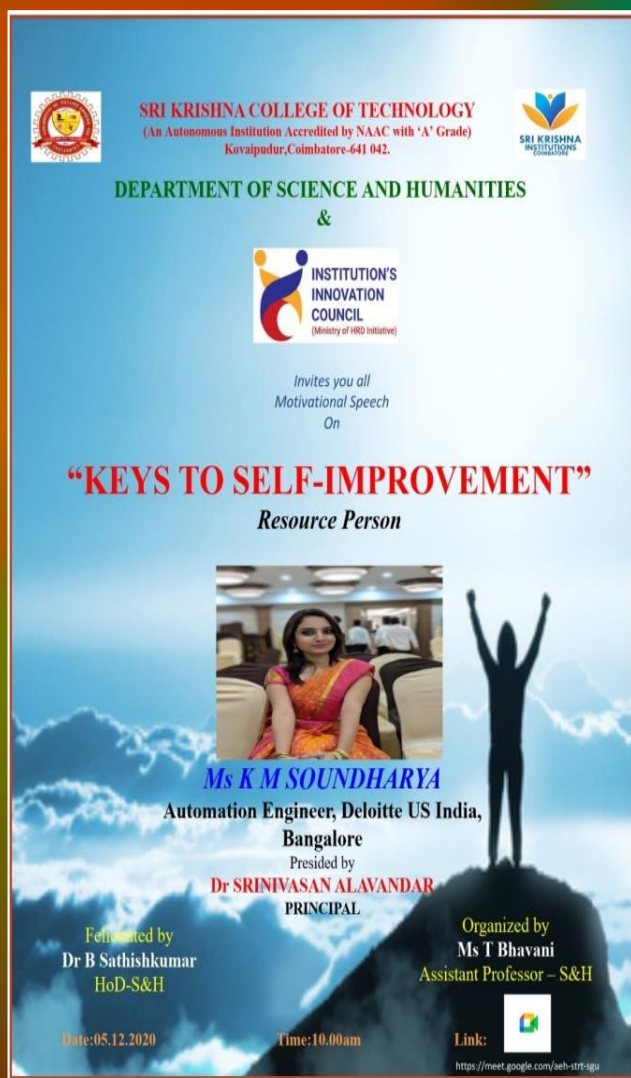


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S & H | MOTIVATIONAL PROGRAMME | KEYS TO SELF-IMPROVEMENT



SRI KRISHNA COLLEGE OF TECHNOLOGY
(An Autonomous Institution Accredited by NAAC with 'A' Grade)
Kovalpur, Coimbatore-641 042.

DEPARTMENT OF SCIENCE AND HUMANITIES
&
INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

Invites you all
Motivational Speech
On

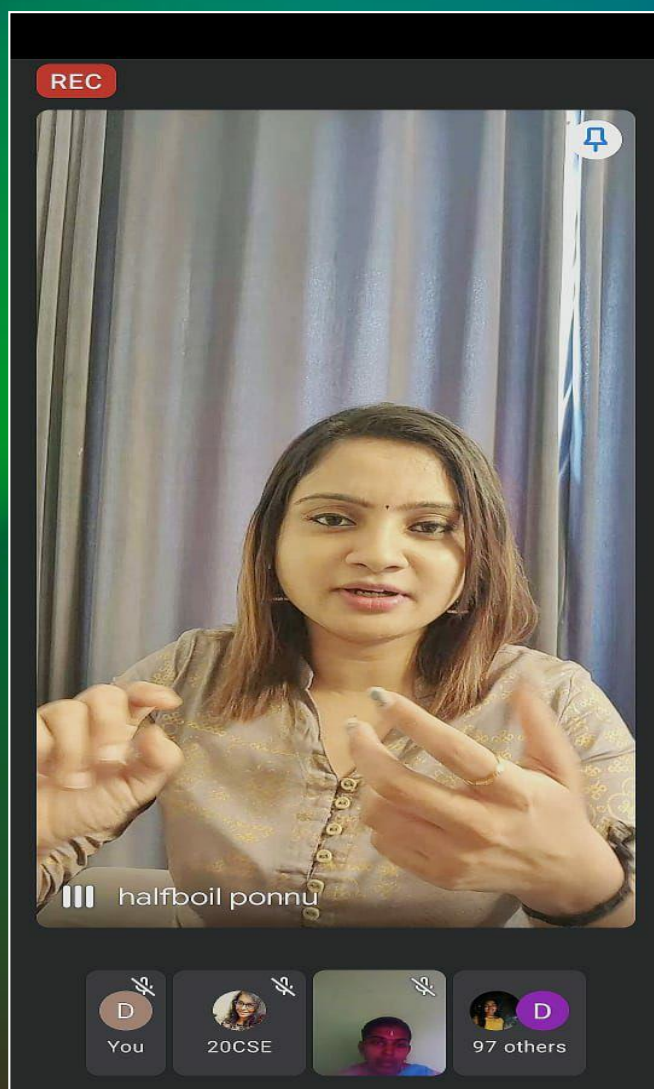
“KEYS TO SELF-IMPROVEMENT”
Resource Person

Ms K M SOUNDHARYA
Automation Engineer, Deloitte US India,
Bangalore
Presided by
Dr SRINIVASAN ALAVANDAR
PRINCIPAL

Facilitated by
Dr B Sathishkumar
HoD-S&H

Organized by
Ms T Bhavani
Assistant Professor – S&H

Date: 05.12.2020 Time: 10.00am
Link: <https://meet.google.com/ehh-strf-igu>



Ms. T. Bhavani, Asst. Professor, Dept. of Science and Humanities, organised a Virtual Motivational Speech on **“Keys to Self-Improvement”** for the Students of First B.E. CSE A Section. Ms K M Soundharya, Automation Engineer, Deloitte US, India, served as the Resource Person on 05 December 2020.

MECH | AICTE SPONSORED STTP SERIES 3 ON ENHANCING RESEARCH AND DEVELOPMENT THROUGH PROJECT BASED LEARNING TO ACHIEVE OUTCOME BASED EDUCATION IN ENGINEERING



Short Term Training Programme (STTP)



The Dept. of Mechanical Engineering organised the AICTE sponsored Six-day STTP Series 3 on “Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering”. Dr R Senthil, Assoc. Professor, SRM, Chennai, facilitated the session on 08 December 2020.

CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS

Organization of the Lecture

- Introduction
- Brain-Computer Interface
 - PHOG+HMM
 - Wavelet+HMM
- Human Action Recognition
 - Blob Extraction
 - Feature Extraction
 - LDA Tree based Classifier
- Sign Language Recognition
- Deep Learning Applications
- Privacy Preserving Human Action Recognition (Cloud)

Smart House

Turn ON the Lights
Set the Temperature at 23°C
Open the Curtains
Turn OFF the play
Turn ON the TV

Human Action/Activity Recognition

- Human activity
 - A collection of human/object movements with a particular semantic meaning
- Activity recognition
 - The process of identifying actions that occur in video sequences

RGB
Depth
Algorithm/Model
Database
Class Label

The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme Series II on “**Deep Learning in Image and Computer Vision Applications**” during 07-19 December 2020. Dr R Balasubramanian, Professor, Dept. of CSE, IIT, Roorkee, facilitated the forenoon session on “**Introduction to Machine and Deep Learning in Imaging and Vision**” on 07 December 2020.

CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS

Applications of Deep Learning
Dr. Santosh Kumar Vipparthi
Dept. of CSE
<https://visionintelligence.github.io/>
skvipparthi@mnit.ac.in

Visual Question Answering

The output is to be conditioned on both image and textual inputs. A CNN is used to encode the image and a RNN is implemented to encode the sentence.

Supervised Learning

- Traditional pattern recognition models work with hand crafted features and relatively simple trainable classifiers.

Extract Hand Crafted Features → Trainable Classifier (e.g. SVM, Random Forrest) → Output (e.g. Outdoor Yes or No)

Image Retrieval

Query Image: Duster Jacket, Mary Jones, etc.
Top 5 Retrieved Images, Top 5 Query Images

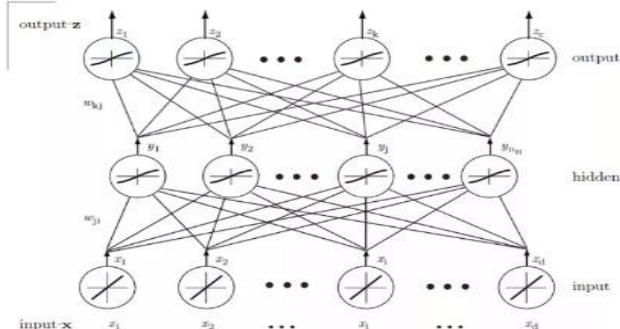
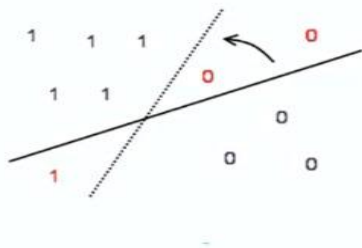
Object Detection & Classification

Figure : MOD in conventional and aerial videos

The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme Series II on “**Deep Learning in Image and Computer Vision Applications**” during 07-19 December 2020. Dr Santosh Kumar Vipparthi, Asst. Professor, Dept. of CSEMNIIT, Vision Intelligence Lab, Jaipur, facilitated the afternoon session on “**Applications of Deep Learning in Computer Vision**” on 07 December 2020.

CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS

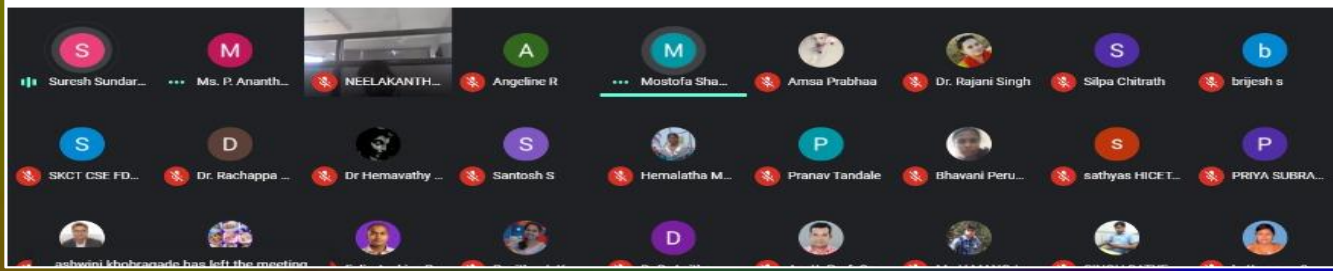
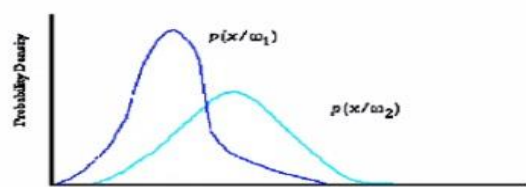
10 Discriminative classifier



2 Empirical Risk Minimization

- Every classifier / regressor does what is called as - 'empirical risk minimization'
- Learning pertains to coming up with an architecture that can minimize a risk / loss function defined on the training / empirical data.

5 Class Conditional Density



The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme Series II on “**Deep Learning in Image and Computer Vision Applications**” during 07-19 December 2020. Dr Suresh Sundaram, Assoc. Professor, Dept. of ECE, IIT Guwahati, facilitated the forenoon session on “**Theory of Single and Multilayer Perceptron and Journey to Convolutional Neural Networks**” on 08 December 2020.

CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS



Why Deep Learning over Traditional Machine Learning Techniques?: A Practical Introspection

Dr. D. Jude Hemanth
Associate Professor
ECE Department
Karunya University
www.drjudehemanth.com

AGENDA

- ▶ Need for Deep Learning Approaches
- ▶ Brief overview of Types of DL Approaches
- ▶ Deep Convolutional Neural Networks
- ▶ Transformation from Deep Learning to Transfer Learning
- ▶ Open Research Problems/Q and A session

Types of deep learning approaches

Transfer Learning

History of Deep Learning

The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme Series II on “Deep Learning in Image and Computer Vision Applications” during 07-19 December 2020. Dr Jude Hemanth, Assoc. Professor, Dept. of ECE, Karunya University, Coimbatore, facilitated the afternoon session on “Deep Neural Networks: Foundational Concepts, Models” on 08 December 2020.

CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS

DEEP LEARNING PARADIGMS
Dr. V. Govindasamy
Head,
Department of Information Technology,
Pondicherry Engineering College

Using Spatial Structure
Input: 2D image. Array of pixel values
Idea: connect patches of input to neurons in hidden layer. Neuron connected to region of input. Only "uses" these values.

What is Deep Learning?
ARTIFICIAL INTELLIGENCE: Any technique that enables computers to mimic human behavior.
MACHINE LEARNING: Ability to learn without explicitly being programmed.
DEEP LEARNING: Complex patterns learn automatically from data.

The Perceptron: Forward Propagation
Inputs: x_1, x_2, \dots, x_n
Weights: w_1, w_2, \dots, w_n
Sum: $\sum_{i=1}^n x_i w_i$
Non-linear activation function: σ
Output: y
Equation: $y = \sigma \left(\sum_{i=1}^n x_i w_i + b \right)$

Quantifying Loss
The loss of our network measures the cost incurred from incorrect predictions.
Input: $x^{(1)} = [4, 5]$
Output: Predicted 0.1, Actual 1
Loss function: $\mathcal{L}(f(x^{(1)}; \mathbf{w}), y^{(1)})$

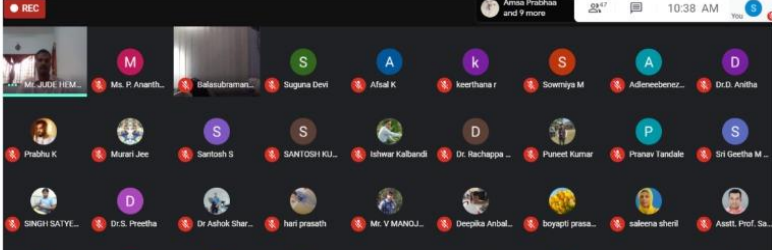
The Convolution Operation
Input grid: $\begin{bmatrix} 1 & -1 & -1 \\ -1 & 1 & 1 \\ -1 & -1 & 1 \end{bmatrix} \otimes \begin{bmatrix} 1 & 1 \\ 1 & 1 \end{bmatrix} = 1$
element wise multiply
add outputs
Output grid: $\begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix} \otimes \begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix} = 9$

The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme Series II on “**Deep Learning in Image and Computer Vision Applications**” during 07-19 December 2020. Dr Jude Hemanth, Assoc. Professor, Dept. of ECE, Karunya University, Coimbatore, facilitated the forenoon session on “**Applications of Deep Learning**” on 09 December 2020.

CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS

Exploration of deep learning techniques for research applications
- My own case studies


Dr. D. Jude Hemanth
Associate Professor (ECE)
Karunya University



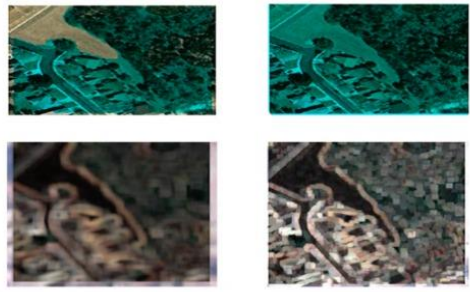
1) Early Diagnosis of COVID-19 from X-ray and CT lung images

Image Database:

- (<https://github.com/ieee8023/covid-chestxray-dataset>), University of Montreal, Canada
- Total 360 images; COVID-19 = 295; SARS=16; Pneumonia = 18
- Includes both CT and X-ray images
- X-ray (Dicom,Jpeg format), CT= gzip format/Dicom; Dimensions = 224*224



Experimental Results



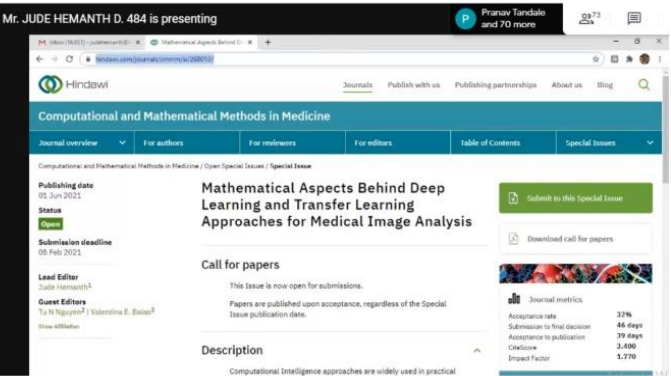
Mr. JUDE HEMANTH D. 484 is presenting

```

%Back Propagation Network for XOR function with Binary Input and Output
clc;
clear;
%Initialize weights and bias
v=[0.197 0.3191 -0.1448 0.3394;0.3099 0.1904 -0.0347 -0.4861];
% v1=zeros(2,4);
% b1=[-0.3378 0.2771 0.2859 -0.3329];
% b2=-0.1401;
% w=[0.4919;-0.2913;-0.3979;0.3581];
% w=rand(4,4);
% w1=zeros(4,1);
x=[1 1 0 0;1 0 1 0];
t=[0 1 1 0];
alpha=0.02;

```

Mr. JUDE HEMANTH D. 484 is presenting



The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme Series II on “**Deep Learning in Image and Computer Vision Applications**” during 07-19 December 2020. Dr V Govindasamy, Assoc. Professor, Dept. of IT, Pondicherry Engineering College, Pondicherry, facilitated the afternoon session on “**Classic Architectures of Deep Learning**” on 09 December 2020.

S & H | QUIZ COMPETITION

INVITATION FOR QUIZ COMPETITION
ON ANTI CORRUPTION DAY

SRI KRISHNA COLLEGE OF TECHNOLOGY
AN AUTONOMOUS INSTITUTION | ACCREDITED BY NAAC WITH A GRADE

Sri Krishna college of technology

ORGANIZED BY THE STUDENTS OF I EEE B UNDER THE GUIDANCE OF
DR.V.PARIMALA M.PHIL PHD, A.SUJIPRIYA M.PHIL

HOST:
MADHAVA KRISHNAA. S

AGENTA:
Welcome address
Speech
Quiz program
Vote of thanks

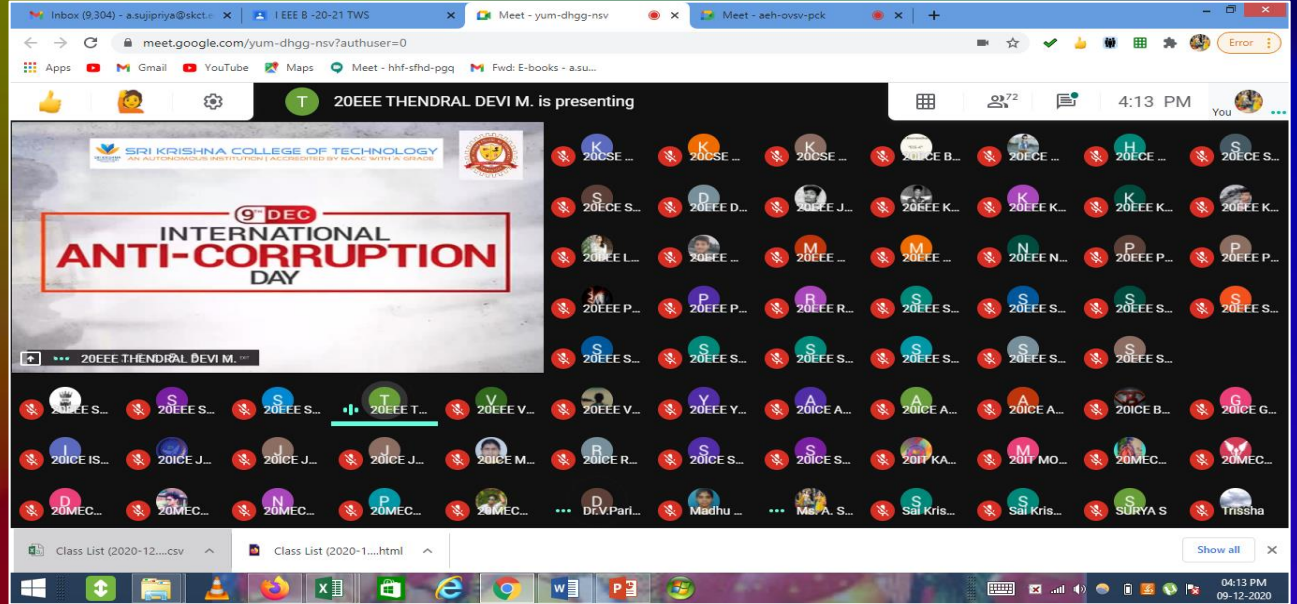
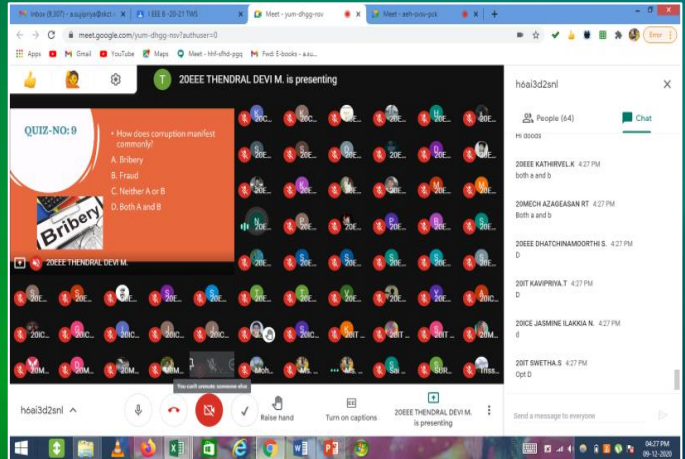
Co-ordinators:
Mahesh Prasath. D
Narthika Sree. S.V
Sai Krishnan. S
Surya. S
Suba Geetha. J
Thendral Devi. M
Trissha. S.R

Catch it, Quiz it

4.00Pm-5.00pm | 9-12-2020
Google meet(A virtual meet, the link will be send)

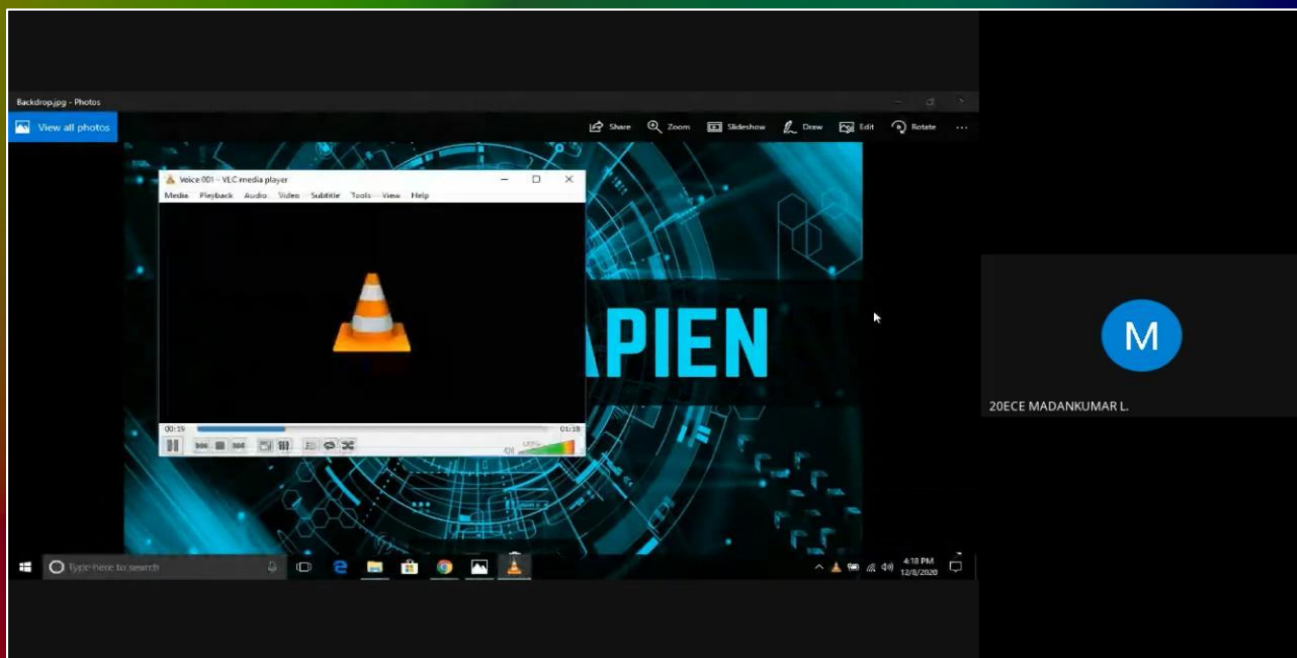
We request everybody to be present!

FOR MORE ENQUIRIES CONTACT
MADHAVA KRISHNAA. S: 9994848133



Students of First B.E. EEE B Section organised a “Quiz Competition” as a part of Anti Corruption day on 09 December 2020.

S & H | TECHNOSAPIEN



Students of First B.E. ECE B Section organised “Technosapien” on 08 December 2020.

S & H | SAVIOUR OF THE BEYOND

SRI KRISHNA COLLEGE OF TECHNOLOGY

saviour of the beyond

NATIONAL NAVY DAY CELEBRATION
December 4, 2020 | 4:00 pm to 5:00 pm

ORGANIZED BY THE STUDENTS OF I CSE C

under the guidance of
Dr. S. Prabu, Asst.prof | Ms. S. Santhiya, Asst.prof

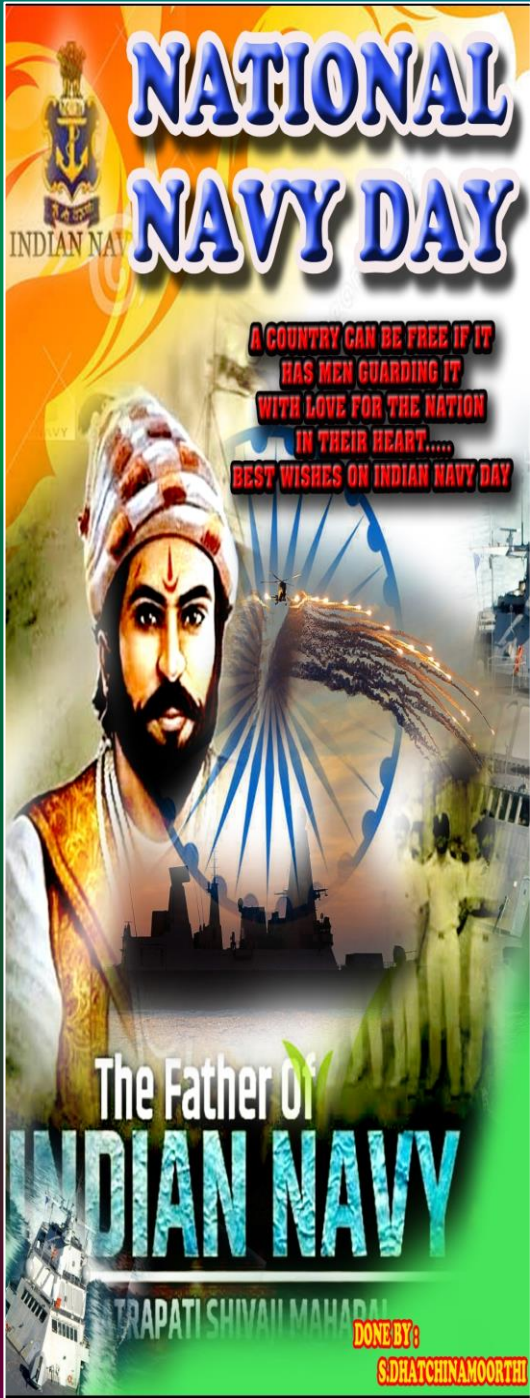
EVENT: POSTER MAKING QUIZ DRAWING

HOST: VISHAL R | SHIVANI SIDDESH | SOWMYA B

CO-ORDINATORS: VISHAL S | VISHAL R

we request honor of your presence!!!

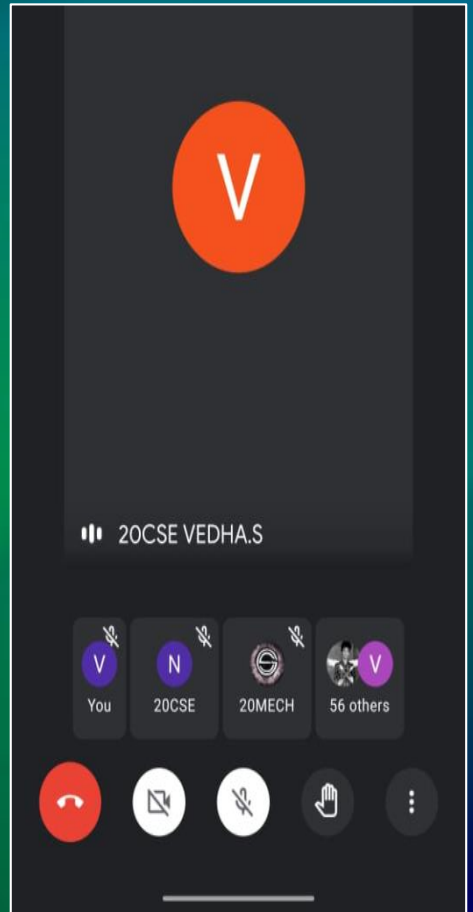
FOR OTHER ENQUIRIES, VISHAL S 9025186359
VISHAL R 9486511867



Students of First B.E. CSE C Section organised a event on “Saviour of the Beyond” as a part of Indian National Navy Day on 04 December 2020.



Gnaanasuriyaa
Mech
Drawing



Quiz on navy

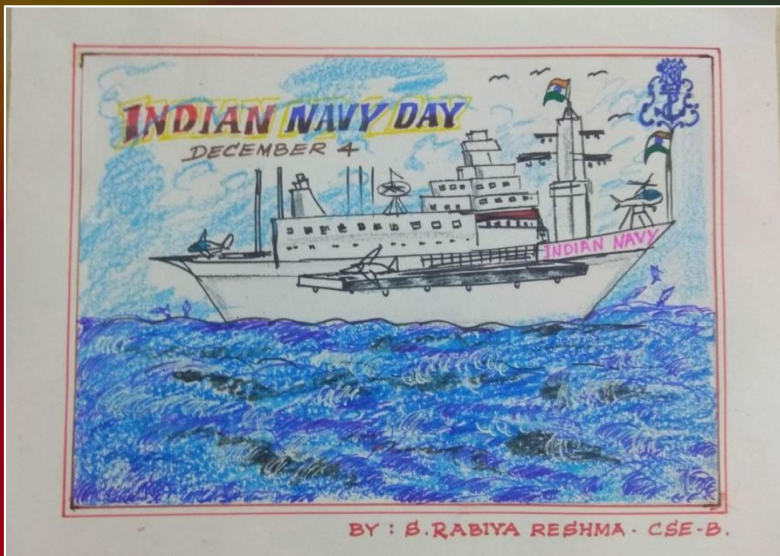
* Required

From which of the following countries has India purchased the Pilatus PC-7 trainer aircraft *

- United States of America
- France
- Switzerland
- Germany

Admiral Gorshkov, the Soviet aircraft carrier imported by India is now named *

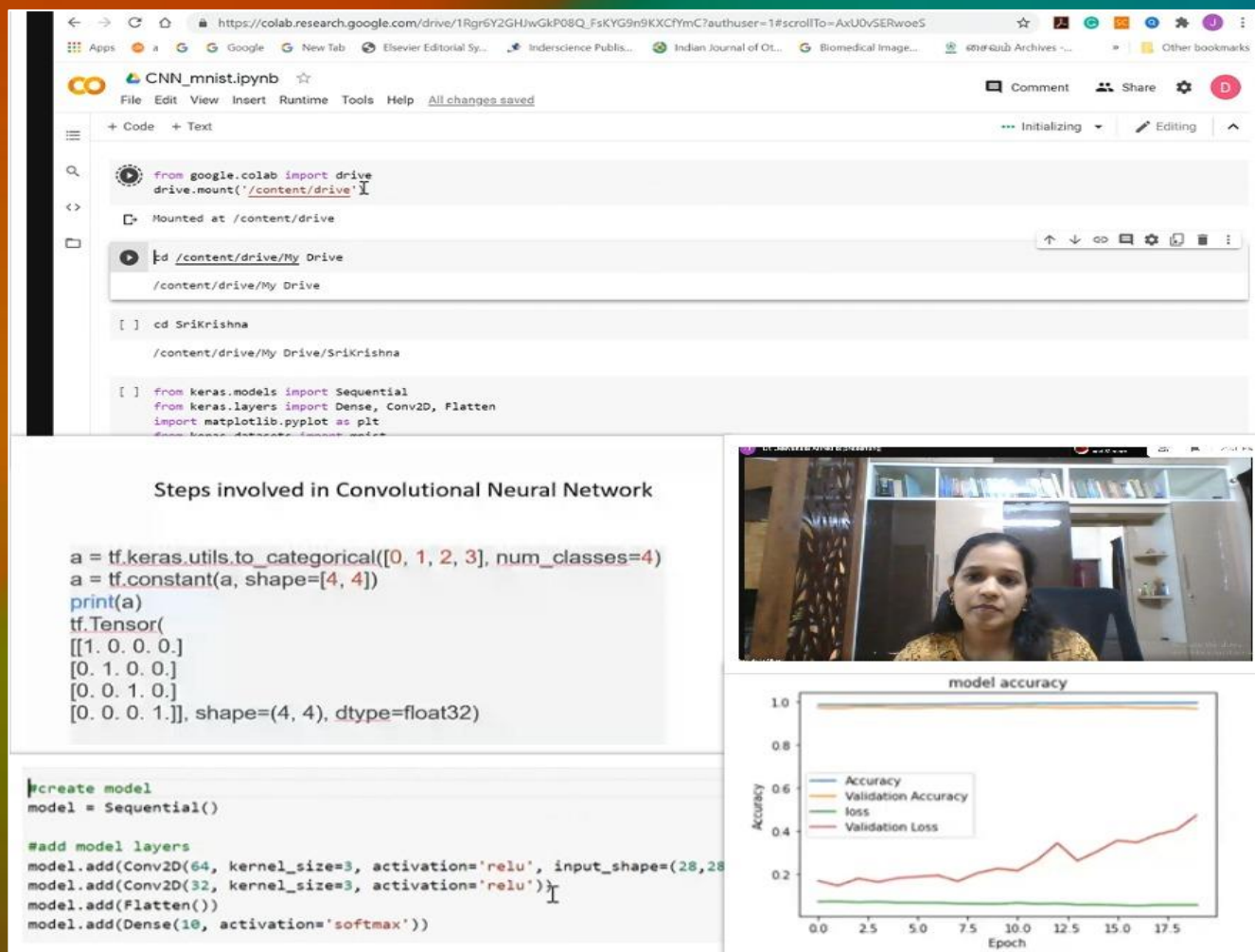
- INS Vikrant
- INS Vikramaditya
- INS Virat
- INS Vishaal



CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS

The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme Series II on “**Deep Learning in Image and Computer Vision Applications**” during 07-19 December 2020. Dr J Jenkin Winston, Asst. Professor, Dept. of ECE, Karunya University, Coimbatore, facilitated the forenoon session on “**CNNs for Recognition, Verification**” on 10 December 2020.

CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS



Steps involved in Convolutional Neural Network

```

a = tf.keras.utils.to_categorical([0, 1, 2, 3], num_classes=4)
a = tf.constant(a, shape=[4, 4])
print(a)
tf.Tensor(
[[[1. 0. 0. 0.]
 [0. 1. 0. 0.]
 [0. 0. 1. 0.]
 [0. 0. 0. 1.]], shape=(4, 4), dtype=float32)

#create model
model = Sequential()

#add model layers
model.add(Conv2D(64, kernel_size=3, activation='relu', input_shape=(28, 28, 1)))
model.add(Conv2D(32, kernel_size=3, activation='relu'))
model.add(Flatten())
model.add(Dense(10, activation='softmax'))

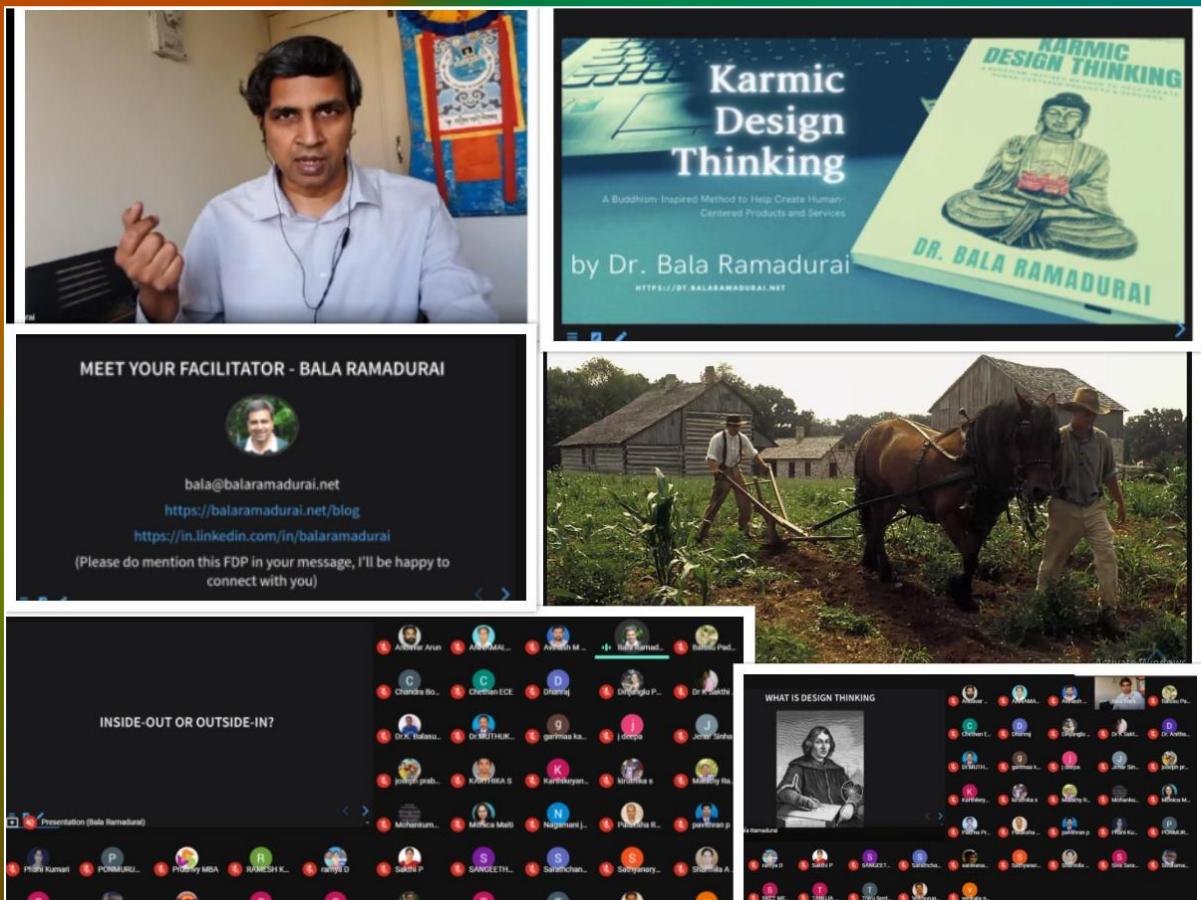
```

model accuracy

Epoch	Accuracy	Validation Accuracy	Loss	Validation Loss
0.0	0.98	0.98	0.18	0.18
2.5	0.98	0.98	0.18	0.18
5.0	0.98	0.98	0.18	0.18
7.5	0.98	0.98	0.18	0.18
10.0	0.98	0.98	0.18	0.18
12.5	0.98	0.98	0.18	0.18
15.0	0.98	0.98	0.18	0.18
17.5	0.98	0.98	0.18	0.18



The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme Series II on “**Deep Learning in Image and Computer Vision Applications**” during 07-19 December 2020. Dr S Jeevakala, Research Scientist, HTICIIT – Madras, facilitated the afternoon session on “**Convolutional Neural Networks - Hands-on colab**” on 10 December 2020.

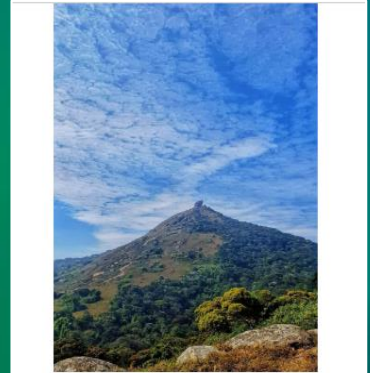
MECH | AICTE SPONSORED STTP SERIES 3 ON ENHANCING RESEARCH AND DEVELOPMENT THROUGH PROJECT BASED LEARNING TO ACHIEVE OUTCOME BASED EDUCATION IN ENGINEERING



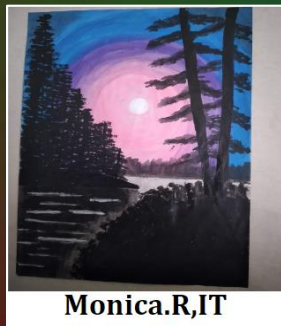
The Dept. of Mechanical Engineering organised the AICTE sponsored Six-day STTP Series 3 on “**Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering**”. Dr Bala Ramadurai, Adjunct Professor, Symbiosis Institute of Business Management, Pune, facilitated the session on “**Design Thinking Ideation to Project**” on 10 December 2020.

S&H | WORLD MOUNTAINEER'S DAY


 7th Dec 2020
World Mountaineers' Day
 we cordially invite you to participate in the various events
Organised by
 1st yr Mechanical students
 held under the guidance of
 Dr.N.Nalini AP/ chemistry
 Dr.V.Manikandan AP/ physics
Events:
 Guess the song, Riddles, Quiz
 Photography, drawing
Host: Technician:
 Gnaanasuriyaa B Joshua D
 Lokesh P
For further details: 
 Gnaanasuriyaa B: 9092361610
 Joshua D: 8248974574
 we request your hon'ble presence



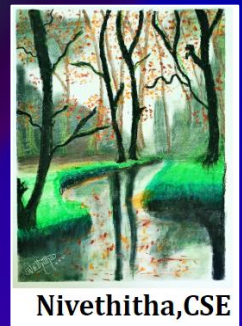
Adith Vidhyakar.M,ICE



Monica.R,IT



Anu keerthana.D,EEE



Nivethitha,CSE

Students of First B.E. Mechanical Engineering organised various events like Snap of the Riddle, Guess the Song, Drawing and Photograph as a part of “World Mountaineer's Day” on 07 December 2020.

S&H | KANAVU MEIPADAVENDUM



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AUTONOMOUS INSTITUTION | ACCREDITED BY NAAC WITH 'A' GRADE



DEPARTMENT OF SCIENCE AND HUMANITIES

CORDIALLY INVITES YOU ALL FOR

Mahakavi Bharathiar
Birthday Celebration...!!

KANAVU MEIPADAVENDUM

ORGANIZED BY:

1 YEAR EEE A
STUDENTS

EVENTS

- ✦ Drawing And Painting
- ✦ Poetry (Tamil / English)
- ✦ Guess The Proverbs

December 10th 2020
4:00pm to 5:00pm

UNDER THE GUIDANCE OF:

Dr. K.R. Kanimozhi ASSO. PROF CHEMISTRY

Mrs. P. Sheeba Ranjini ASST. PROF MATHS

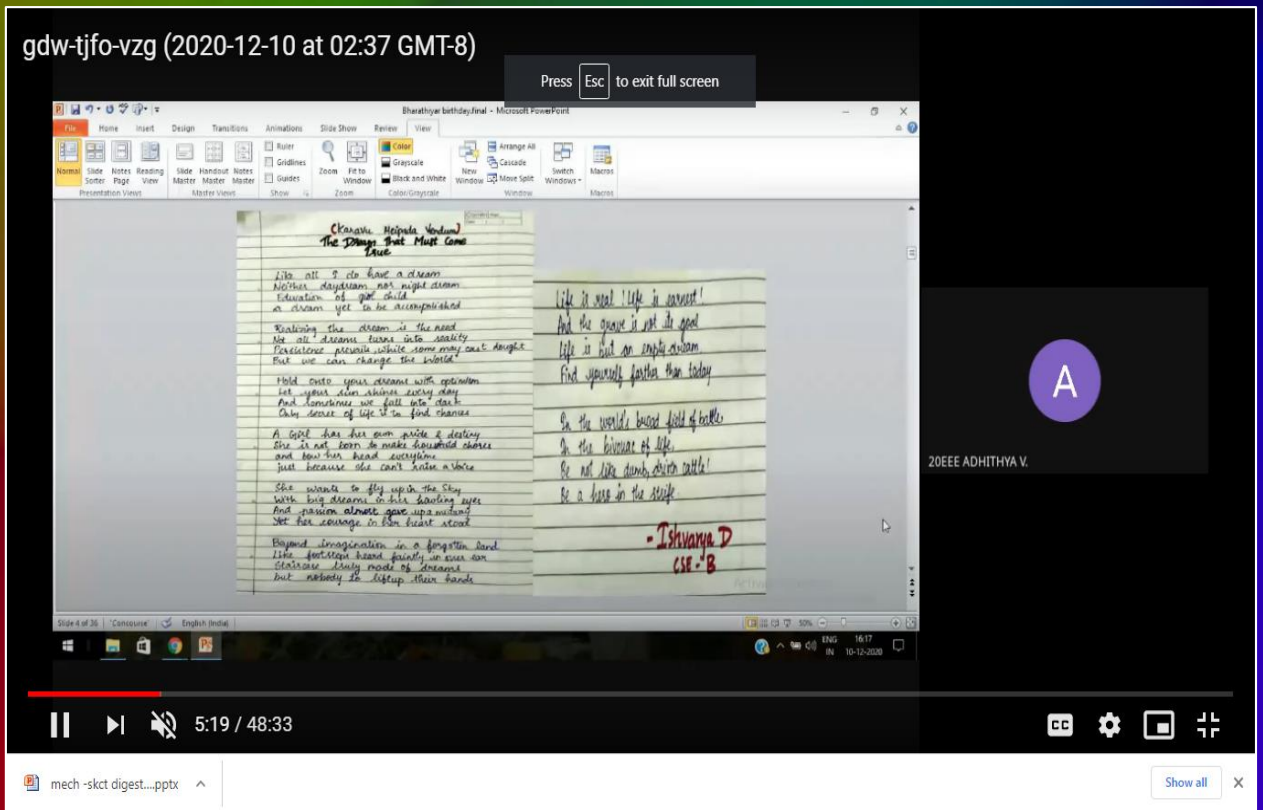
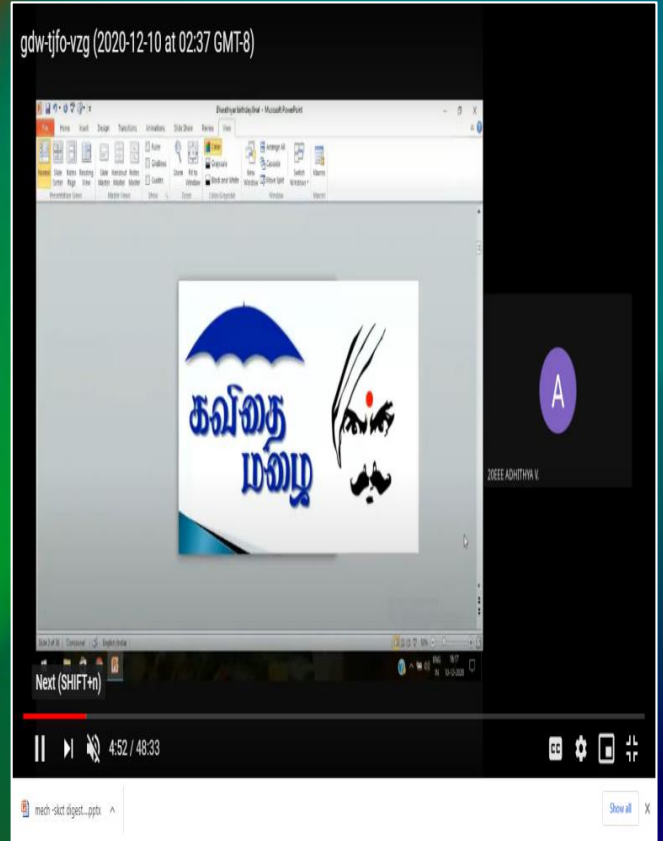
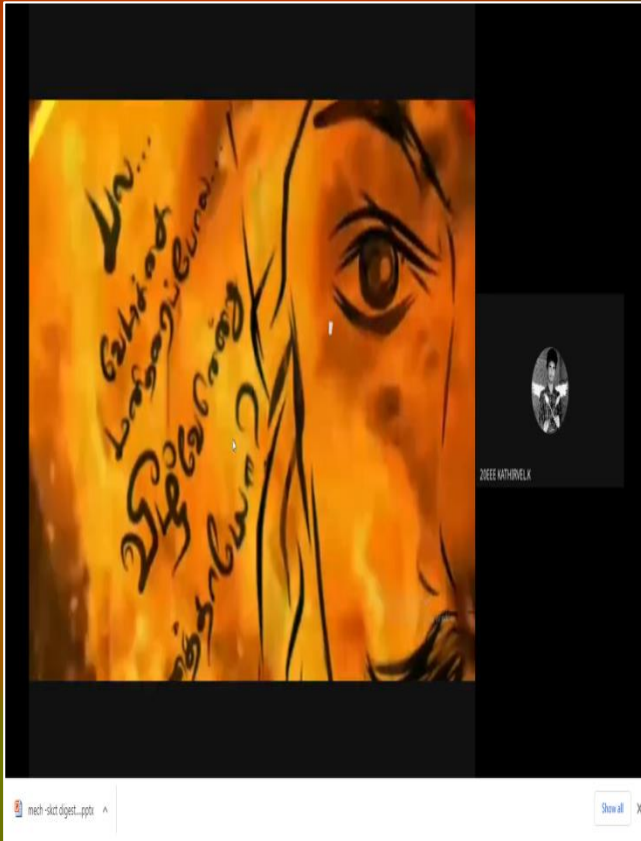
Event Coordinators

K. Kathirvel
S. Dhatchinamoorthi
R. Divyadharshini
R. Lakshana

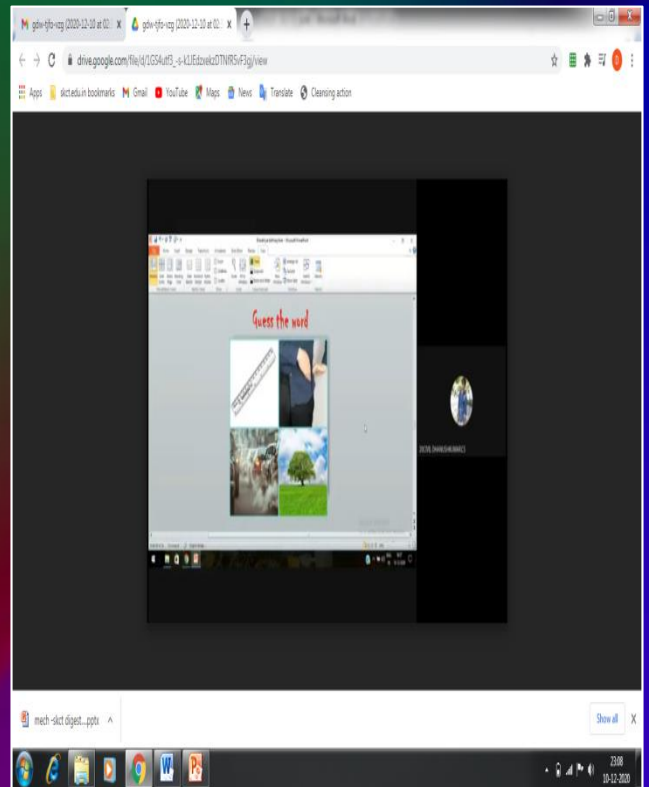
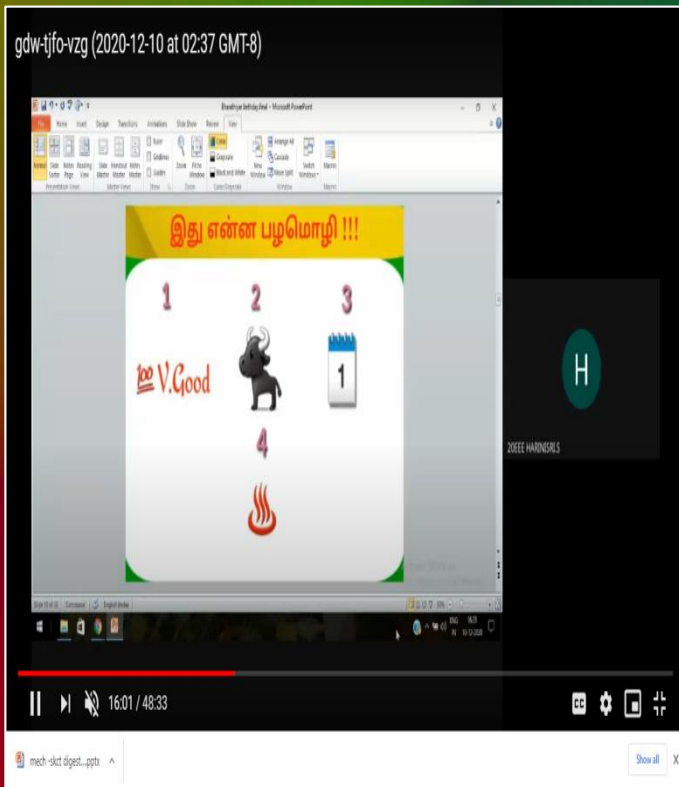
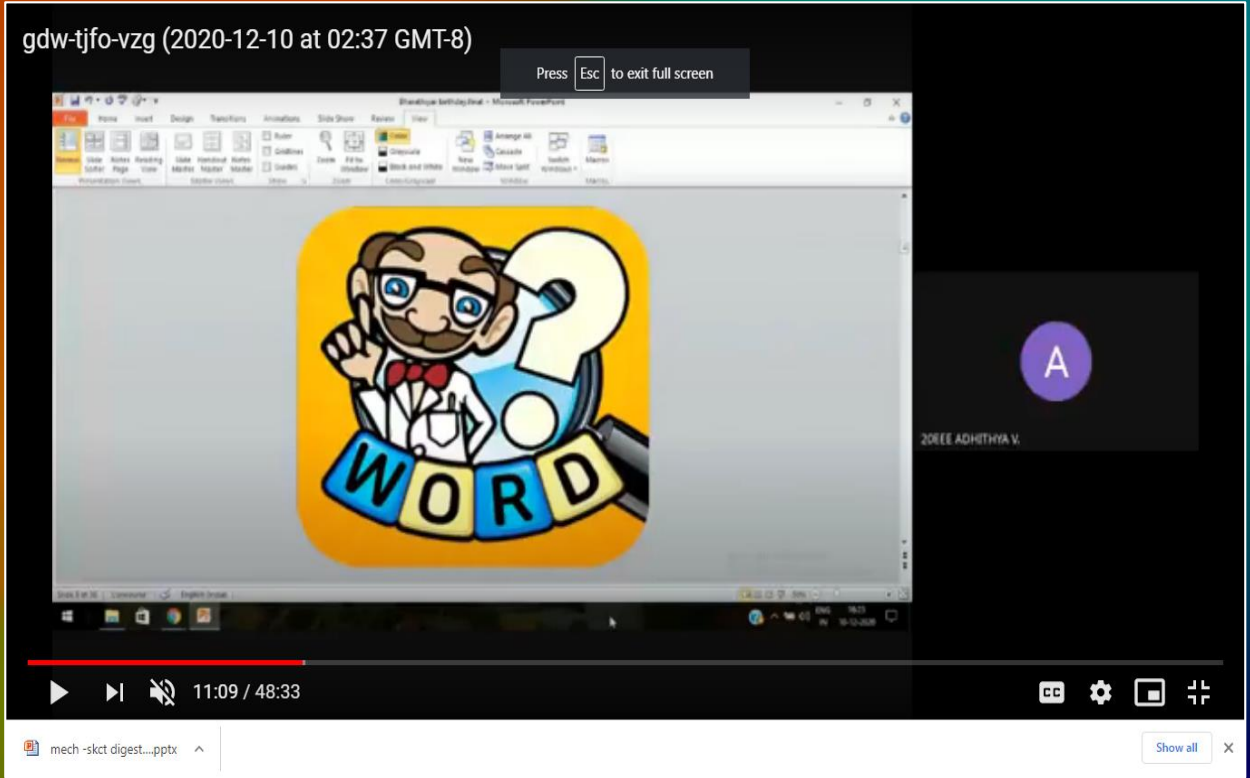
FOR MORE DETAILS**CONTACT :****90253 35291****95787 79548**

Students of First B.E. EEE A Section organised an event “**Kanavu Meipadavendum**” as a part of Mahakavi Bharathiar Birthday on 10 December 2020.

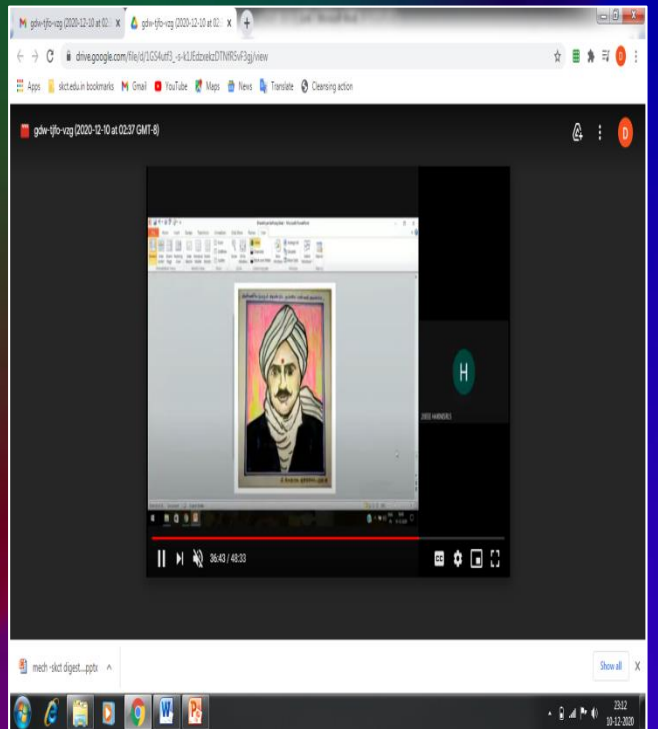
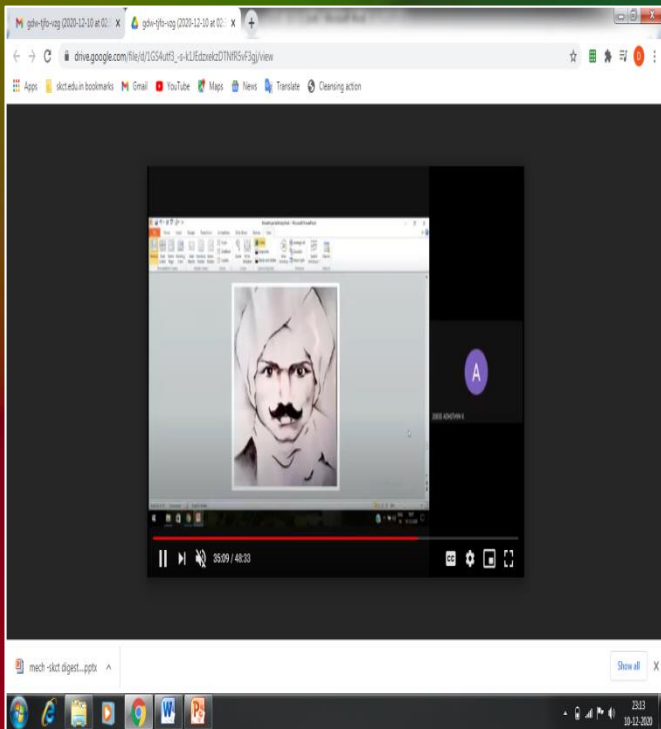
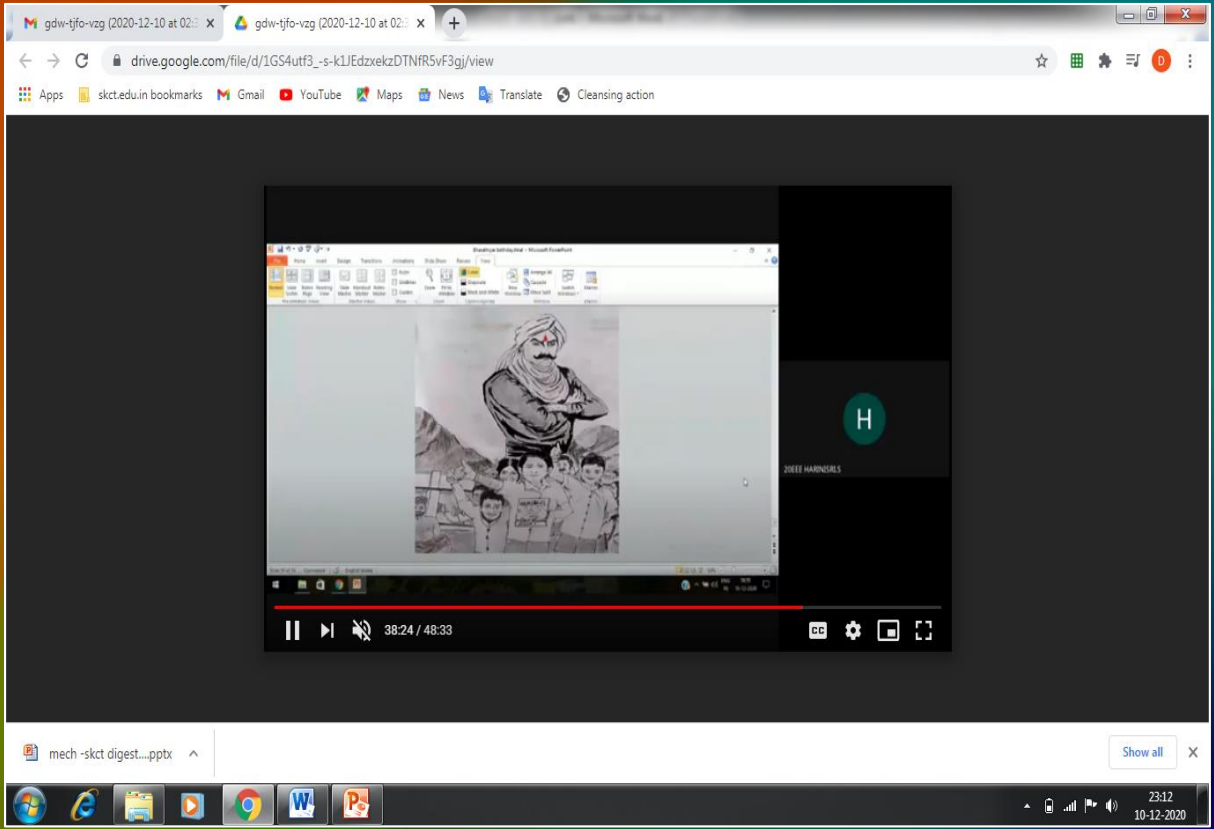
S&H | POETRY WRITING COMPETITION



S&H | GUESS THE PROVERB



S&H | DRAWING COMPETITION



STUDENTS' PARTICIPATION



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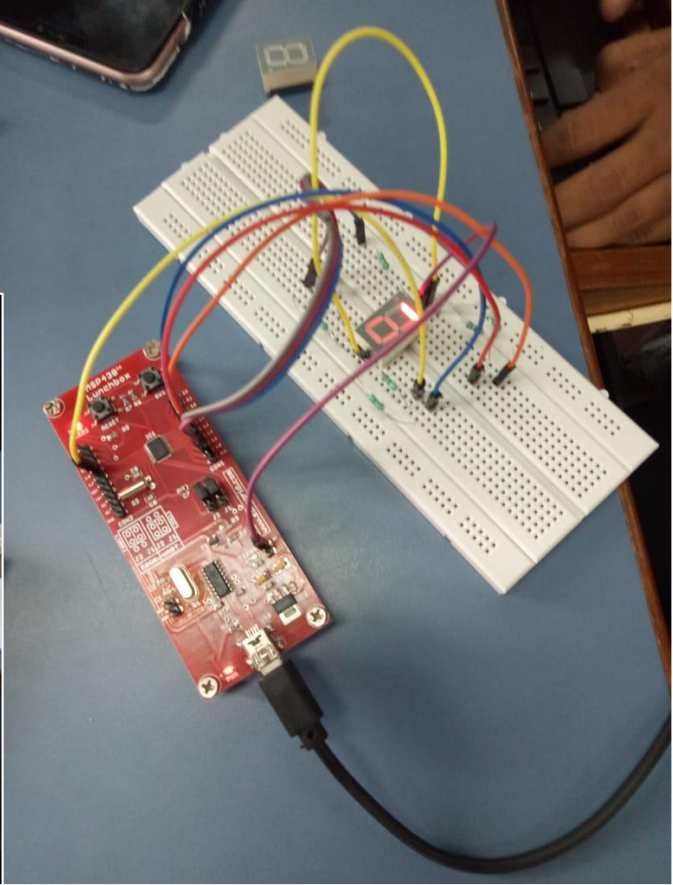


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ECE | STUDENTS' PARTICIPATION | INTRODUCTION
TO EMBEDDED SYSTEMS | MSP 430 KITS



Students of B.E. ECE experimented “MSP 430 Kits” at Essci Center of Excellence in Electronics Lab on 07 December 2020. Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, mentored the students.

ECE | STUDENTS' ACHIEVEMENT | IDEA PRESENTATION

Mr Karthikeyan G and Mr Ashwin Narayan P K, Students of Second B.E. ECE A Section, secured the First Place with the cash prize of **Rs 2000/-** in "**Idea Presentation**" organised by Saintgits College of Engineering, Kottayam, Kerala.



CONGRATULATIONS



Mr Karthikeyan G and Mr Dharun Prasad V, Students of Second B.E. ECE A Section, secured the Second Place with the cash prize of **Rs 1000/-** in "**Idea Presentation**" organised by Saintgits College of Engineering, Kottayam, Kerala.

ECE | STUDENTS' ACHIEVEMENT | PAPER PRESENTATION

PAPER PRESENTATION

CONGRATULATIONS



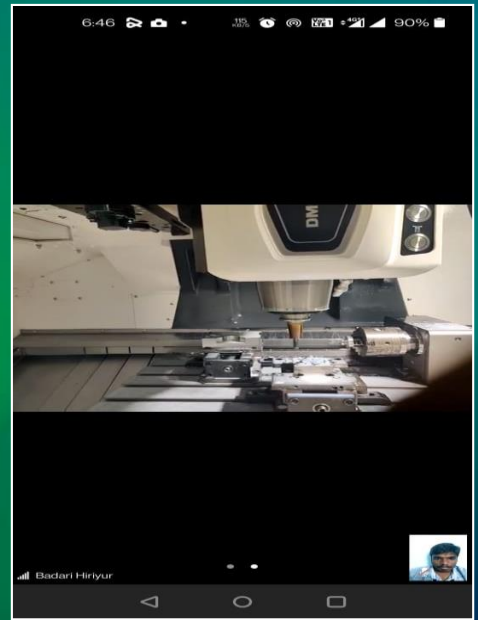
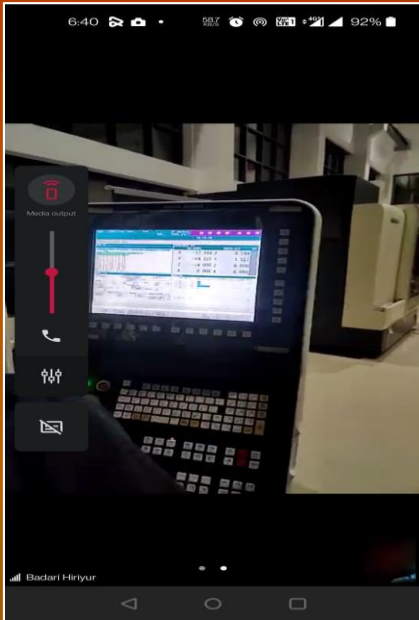
Mr Karthikeyan G and Mr Ashwin Narayan P K, Students of Second ECE A Section, Secured the First Place with the cash prize of **Rs 2000/-** in a "**Paper presentation**" organised by Saintgits College of Engineering, Kottayam, Kerala.

CIVIL | STUDENTS' ACHIEVEMENTS ADF FELLOWSHIP



Ms R Akashya and Ms B Swathi, Alumnae of B.E. Civil Engineering (Batch 2014-2018), has been selected in the "**AICTE Doctoral Fellowship (ADF) Scheme**" for Pursuing Ph.D. in Anna University.

MECH | STUDENTS' PARTICIPATION IN SIH – HARDWARE EDITION



SRI KRISHNA COLLEGE OF TECHNOLOGY
(Approved by AICTE and Accredited by NAAC with 'A' Grade)
(An Autonomous Institution, Affiliated to Anna University, Chennai)
KOVAIPURUR, COIMBATORE - 641 042, INDIA.

#SmartIndiaHackathon
World's Biggest Open Innovation Model

Hardware Edition
GRAND FINALE

AUTODESK FUSION 360

TEAM DETAILS

DHEENASAGAR.R - TEAM LEADER
DHARNEESH.K
UDHAYA RANI.V
DEVSIBI.S
SUJITH.S
POOJA M.A

TEAM MENTOR - Dr.P.PRATHAP

RODIC

Mr R Dheenasagar, Mr K Dharneesh, Ms V Udhayarani, Mr S Devsibi Mr S Sujith and Ms M A Pooja, Students of Final B.E. Mechanical Engineering, presented a idea on “Autodesk - Design and Manufacturing of Connecting Rod” in SIH Hardware Section on 09 December 2020. Dr P Prathap, Professor and Head, Dept. of Mechanical Engineering, mentored the students.

S&H | STUDENT'S PARTICIPATION IN SPORTS



Mr Vishal, Student of First B.E. Mechanical Engineering, won in under 21 One-day Tournament at Yedakadu, Ooty on 5 December 2020.

S&H | STUDENT'S CERTIFICATION | SCROLLWELL



Ms Oviya, Ms Priyadarshini, Ms Nivethitha and Ms Nandana, Students of First CSE B Section, participated in an Online Quiz Contest "The Entrepreneurial Refresh" organised by Scrollwell on 06 December 2020.

S & H | STUDENTS' PARTICIPATION | SCIENCE EXHIBITION – 2020



Students of First ECE A Section attended a virtual “Science Exhibition – 2020” organised by La Foundation during 03-04 December 2020.

FACULTY PARTICIPATIONS



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digestfeedback@skct.edu.in

S & H | PAPER PRESENTATION AT IVCSAMSEA 2020

Impact of NH_3OH and NaOH on Chalcogenide Thin Films without annealing

Conference on NSME
IVCSAMSEA-2020

R Ganesh
Sri Krishna College of Technology,
Coimbatore.

Observation

- 1. Cell Voltage**
Voltage across the individual cells was displayed. There was a small spread of voltages, which varied slightly in real time. They were initially around 0.6 V. The aggregate voltage from the whole unit was 4.2 V.
- 2. System and stack output power and voltage**
At all times, the "stack power", "converter power" and "system power" had different values. The stack power was the highest; the converter roughly 10 % lower, and the "system power" slightly lower again. This was the case at all power outputs.
- 3. Noise from auxiliary components**
There was significant noise from the auxiliary components when the fuel cell was being operated at or close to maximum output. The noise levels increased with power output and decreased when output was reduced.
- 4. Temperature of fuel cell**

Meeting details: Search, Home, Conference, Committee, Speakers, Important Dates, Brochure, Call For Paper, Program Schedule, Contact

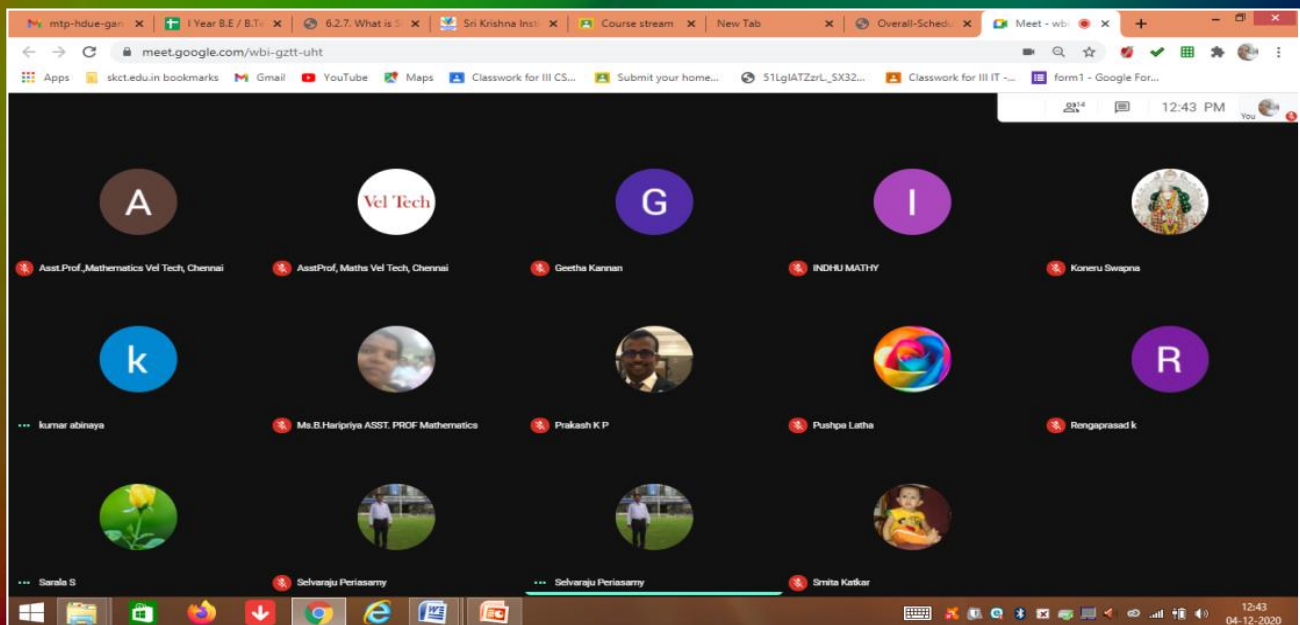
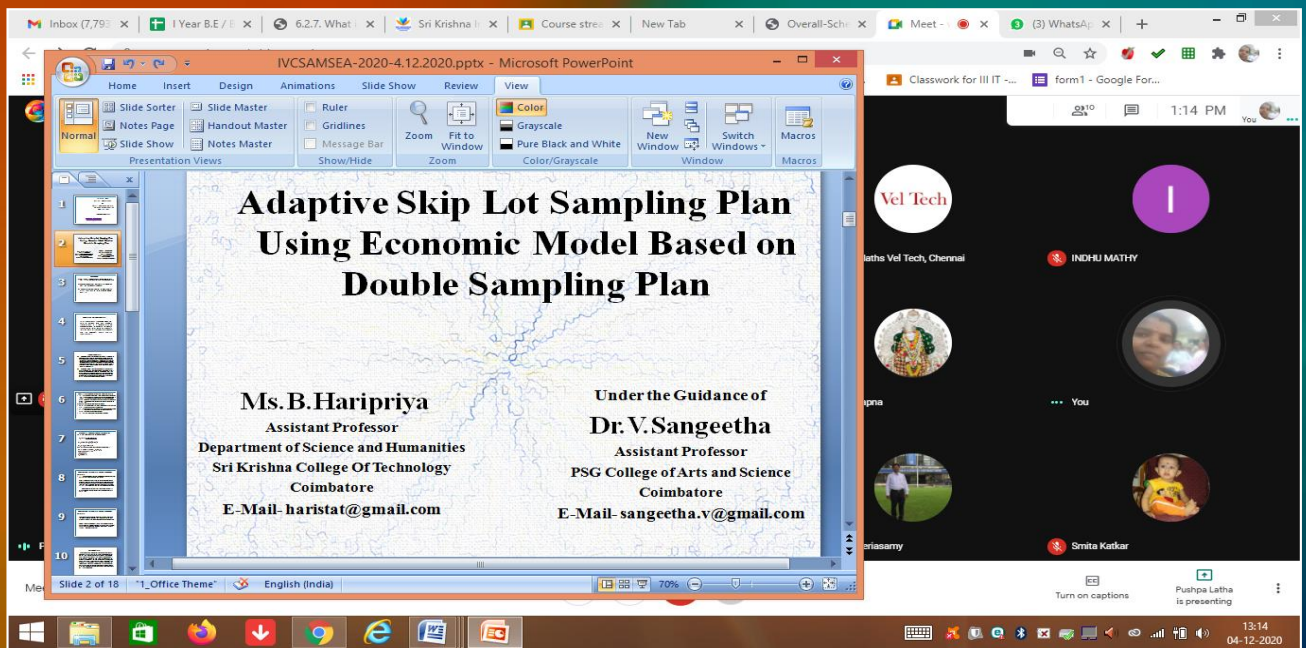
International Virtual Conference on Smart Advanced Material Science & Engineering Applications
K L E F, Vijayawada, 03rd - 05th December 2020

About the Conference
Smart Advanced Material Science is an interdisciplinary field of research that involves the Physics and Chemistry of solid materials, including theoretical and computational study. Chemist and Physicist play an important role in discovering new materials based on simple intuition arising from the knowledge of the structure and bonding by adopting ingenious systematic strategies. Measurement of various physical, chemical properties and their understanding will lead to an exciting development in the field of nanomaterials, magnetic materials, piezoelectric materials, ceramics, glasses, polymers, thin films, biomaterials, Energy Storage. Solar absorption and semiconductor materials using an Engineering application. Recently the availability of excellent structural characterization facilities has advanced our understanding of the structure-property relationship and thus enabled us to design the materials of interest. We assure that this conference will provide a platform to academicians, teachers and young researchers to engage in dialogue with distinguished scientists in the field and to know the latest advancement in the field of Smart Advanced Material Science through an online platform. It also aims at kindling interest in the minds of youthful students to pursue research as a higher career. It is called upon to widen the scope of interdisciplinary research among teachers and research scholars.

Meet the Objective Business sector with individuals from and around the globe concentrated on finding out about Material science and Engineering. It is the best chance to achieve the biggest collection of members from all over the world. This material science conference in India will lead you to disperse data, meet with current, make a sprinkle with another product offering and get name acknowledgement at this occasion. Widely acclaimed speakers, the latest methods, strategies, and most up to date overhauls in Smart Advanced on Material science and Engineering Applications are signs of this meeting.

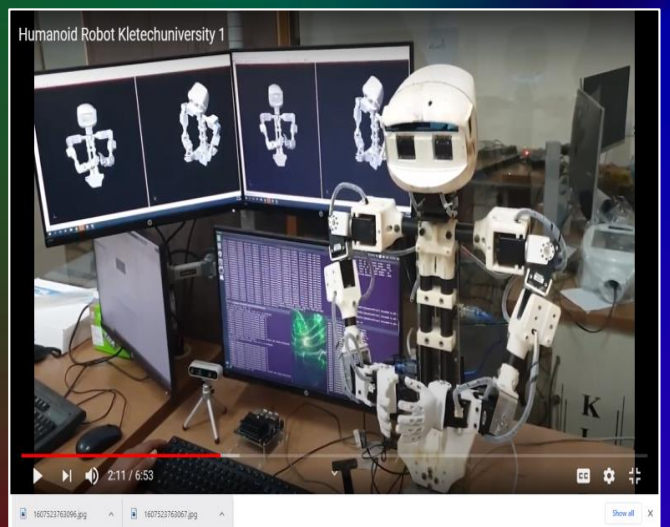
Dr R Ganesh and Dr V Manikandan, Asst. Professors, Dept. of Science and Humanities, presented a paper in IVCSAMSEA2020 International Virtual Conference on "Smart Advanced Material Science & Engineering Applications" organised by K L Univeristy, Vijayawada on 05 December 2020.

S & H | PAPER PRESENTATION AT IVCSAMSEA 2020



Ms B Haripriya, Asst. Professor, Dept. of S&H, presented a paper in IVCSAMSEA2020 International Virtual Conference on “**Smart Advanced Material Science & Engineering Applications**” organised by K L Univeristy, Vijayawada on 04 December 2020.

S & H | FACULTY PARTICIPATION | SCIENCE EXHIBITION – 2020



Dr R Ganesh and Dr V Manikandan, Asst. Professors, Dept. of S&H, attended a virtual “**Science Exhibition – 2020**” organized by La Foundation during 03-04 December 2020.

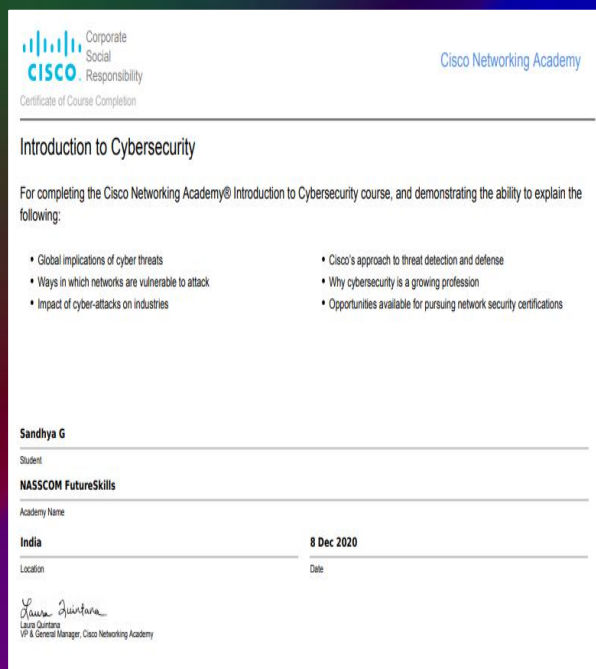
CSE | CERTIFICATION ON FOUNDATIONS OF ARTIFICIAL INTELLIGENCE



Ms G Sandhya, Asst. Professor, Dept. of CSE, completed a course on **“Foundations of Artificial Intelligence”** on 06 December 2020.

CSE | CERTIFICATION ON INTRODUCTION TO CYBER SECURITY

Ms G Sandhya, Asst. Professor, Dept. of CSE, completed a course on **“Introduction to Cyber Security”** offered by Cisco Networking Academy in association with NASSCOM FutureSkills on 08 December 2020.



CIVIL | STTP ON SEISMIC RISK MITIGATION & VIBRATION CONTROL OF STRUCTURES



Dr V Sreevidya, Professor, Dept. of Civil Engineering, attended an STTP on "Seismic Risk Mitigation & Vibration Control of Structures" organised by RK University, Gujarat during 09-13 November 2020.

NEW VISTAS OF LEARNING



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ECE | WEBINAR ATTENDED | FOLLOW YOUR
PASSION

Certificate Ref No: TMWB31/Dec-2020

TESLA MINDS

CERTIFICATE OF PARTICIPATION

This acknowledges that

Mr M Navin Kumar

of Sri Krishna College of Technology

has participated in our Webinar TMWB31 -
titled **Why "Follow your Passion" is a Wrong Advice?**
held on December 06, 2020 @ Tesla Minds.

T. Jayanandan
Founder/CEO, Tesla Minds, India



I am a Teslonian!

www.jayanandan.com

Mr M Navin Kumar, Asst. Professor, Dept. of ECE, attended a webinar on **"Follow your Passion"** organised by Tesla Minds on 06 December 2020.

ECE | WEBINAR ON ROLE AND SIGNIFICANCE OF PATENTS IN ACADEMIA

VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE



CERTIFICATE OF PARTICIPATION



is hereby awarded to

M Navin Kumar

Sri Krishna College of Technology

for actively participating in the One Day Online Seminar on **“Role and Significance of Patents in Academia”** organized by IQAC & Department of Computer Science and Engineering, VRSEC under AICTE Margdarshan on 05th December, 2020.

Dr. M.V.S. Raju
Coordinator, IQAC

Dr. D. Rajeswara Rao
Chief Coordinator, AICTE Margdarshan

Dr. A. V. Ratna Prasad
Principal, VRSEC

Mr M Navin Kumar, Asst. Professor, Dept. of ECE, attended a One-day webinar on **“Role and Significance of Patents in Academia”** organised by Velagapudi Ramakrishna Siddhartha Engineering College, Andhra Pradesh on 05 December 2020.

CIVIL | WEBINAR ON APPLICATION OF ARTIFICIAL INTELLIGENCE TO PREDICTION OF PROPERTIES OF CONCRETE

CERTIFICATE

PROUDLY PRESENTED TO

Dr. SREEVIDYA V

Application of Artificial Intelligence to Prediction of Properties of Concrete

Nov 27, 2020

Date of Completion

UltraTech Cement Ltd.

Organizer



Dr V Sreevidya, Professor, Dept. of Civil Engineering, attended a webinar on **“Application of Artificial Intelligence to Prediction of Properties of Concrete”** organised by UltraTech Cements on 27 November 2020.

FDPs ATTENDED



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MECH | FDP ON ALTERNATE FUELS



Mr K Senthilkumar, Asst. Professor, Dept. of Mechanical Engineering, attended an FDP on **“Alternate Fuels”** organised by University College of Engineering, BIT Campus, Trichy on 08 December 2020.

EEE | FACULTY PARTICIPATION | SIX-DAY TRAINING ON EMERGING TECHNOLOGIES

Dr P Santhosh, Asst. Professor, Dept. of EEE, attended a Gurucool Six-day Training Program on **“Emerging Technologies”** followed by a Project Build-a-Thon organised by IBM India University Relations during September - October 2020.



IT | AICTE ATAL FDP ON AUGMENTED REALITY AND VIRTUAL REALITY

ATAL Sponsored FD...
02:08:22 69 attendees

Recording is saved in the chat history. [Learn more](#)

Recording is saved in the chat history. [Learn more](#)

AR | VR Solutions for Enterprise
AR – Diagnostics & Active Schematics

- ▶ Diagnostics recognizes fault/ problem
- ▶ Augmented Reality visualizes where faulty component is located
- ▶ Active Schematics provides related wiring information

What to Focus on Next

Software Orientation

- Computer Vision | Open XR | Open VR | Web XR | Unity | Unreal | Mobile OS | Autoxxx | Blender

Vamsidhar Sunkari (RBEI/BSC5)

Anisree Sundaresan (RBEI/BSC5)

Dr R Suganya, Asst. Professor, Dept. of IT, attended the AICTE ATAL online Faculty Development Programme on “**Augmented Reality and Virtual Reality**” organised by Kumaraguru College of Technology, Coimbatore during 07-11 December 2020.

ECE | AICTE STTP | RESEARCH CHALLENGES AND APPLICATIONS OF INTERNET OF THINGS (IoT) IN SMART AGRICULTURE



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Sponsored Six Days Short Term Training Programme (STTP) On

“Research Challenges and Applications of Internet of Things (IoT) in Smart Agriculture”

Organized by

Department of Electronics & Communication Engineering
Kongunadu College of Engineering and Technology
(Autonomous)

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai, Accredited by NBA (CSE, ECE & EEE) & NAAC, Recognized by UGC with 2(f) & 12(B) and ISO 9001:2015 Certified Institution.

Namakkal –Trichy Main Road, Thottiam, Trichy-621215, Tamilnadu.



Certificate of Participation

This is to certify that **Ms. S. THENMOZHI**, Assistant Professor of Sri Krishna College of Technology has attended six days online Short Term Training Programme on “Research Challenges and Applications of Internet of Things (IoT) in Smart Agriculture” organized by Department of Electronics & Communication Engineering, Kongunadu College of Engineering and Technology, Trichy from 30.11.2020 to 05.12.2020.

Dr. M. Dharmalingam,
Head /ECE
Co-coordinator

Dr. R. Asokan,
Principal
Coordinator

Ms S Thenmozhi, Asst. Professor, Dept. of ECE, attended the AICTE sponsored Six-day online STTP on “Research Challenges and Applications of Internet of Things (IoT) in Smart Agriculture” organised by Kongunadu College of Engineering and Technology, Trichy during 30 November-05 December 2020.

MEETINGS & DISCUSSIONS



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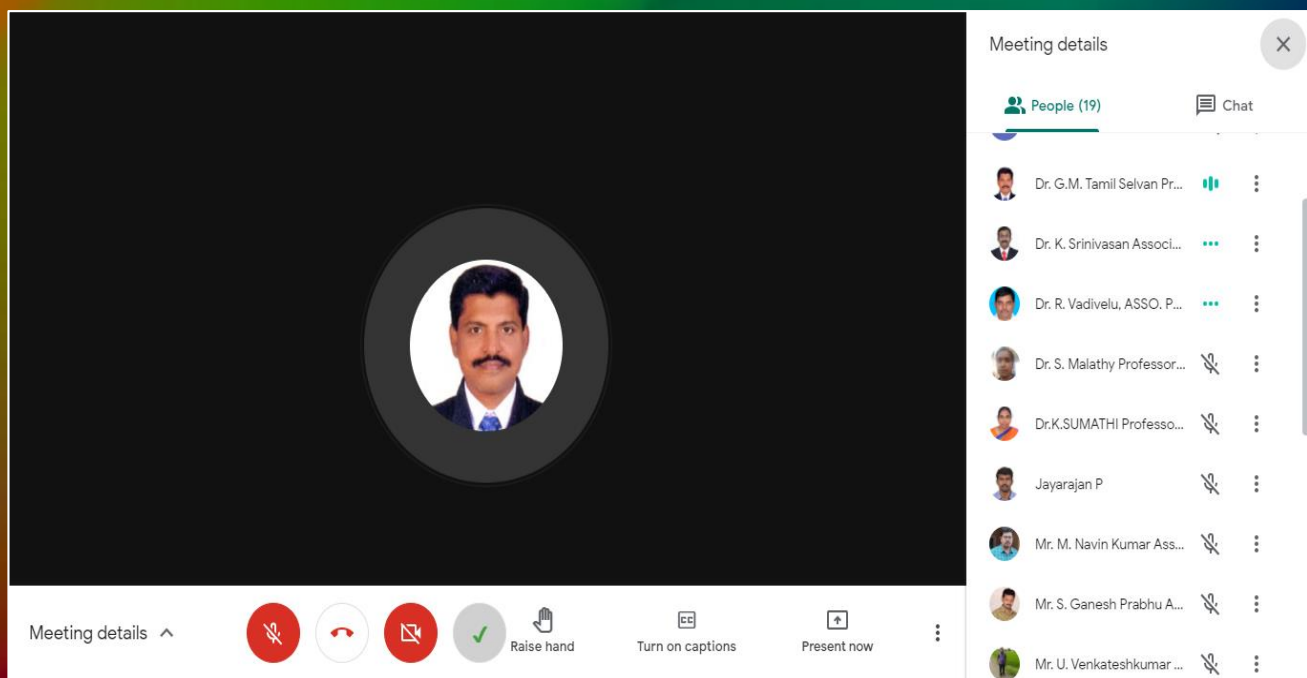
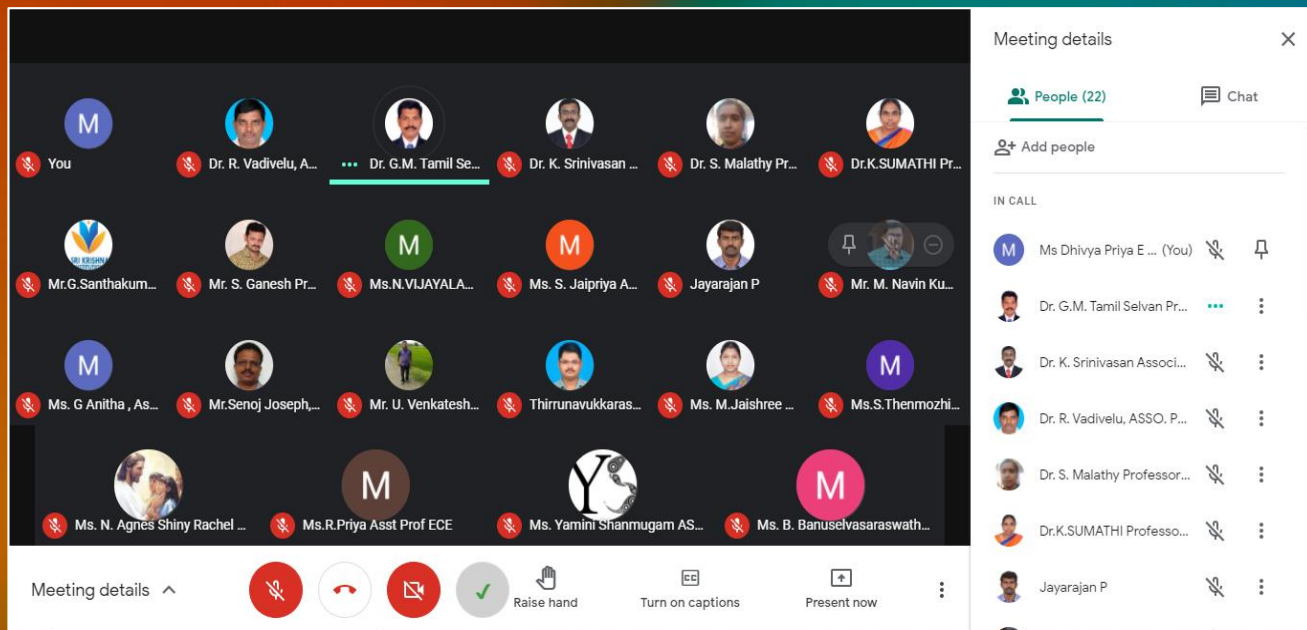


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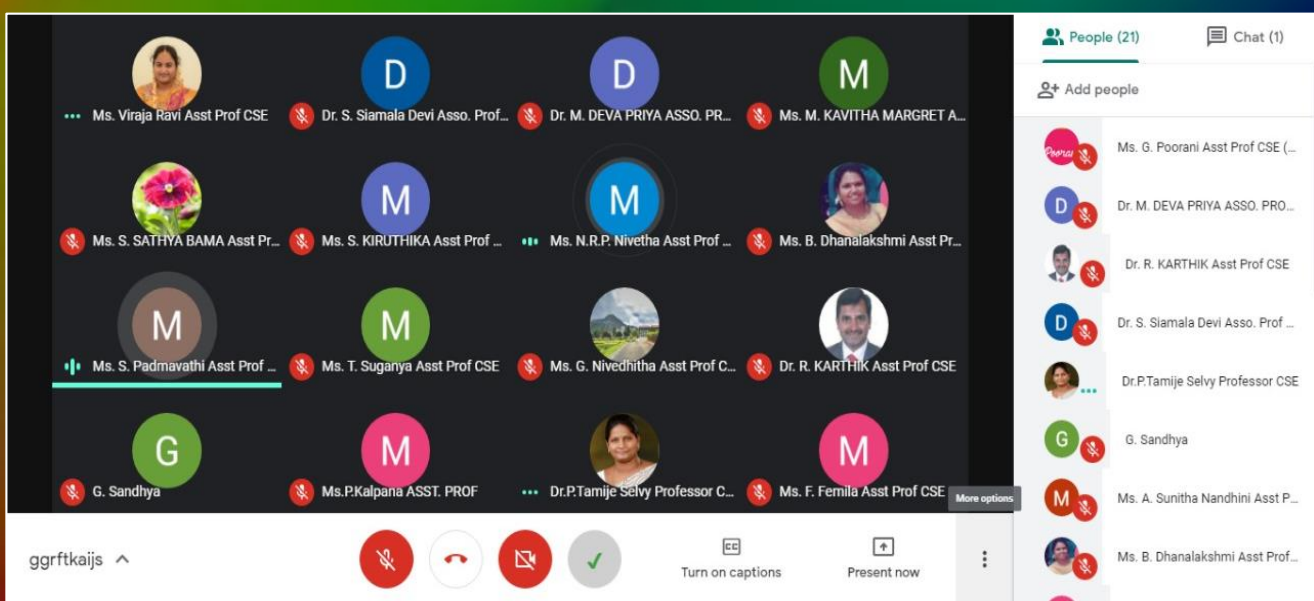
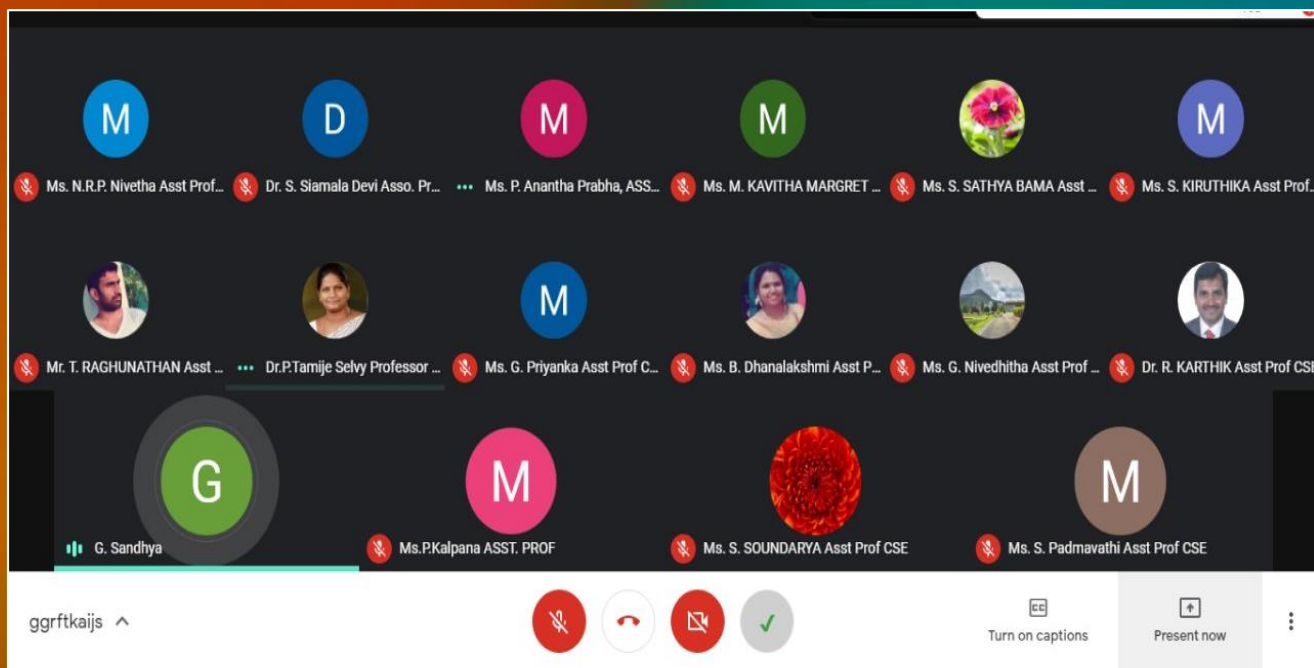
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ECE | DEPARTMENT MEETING

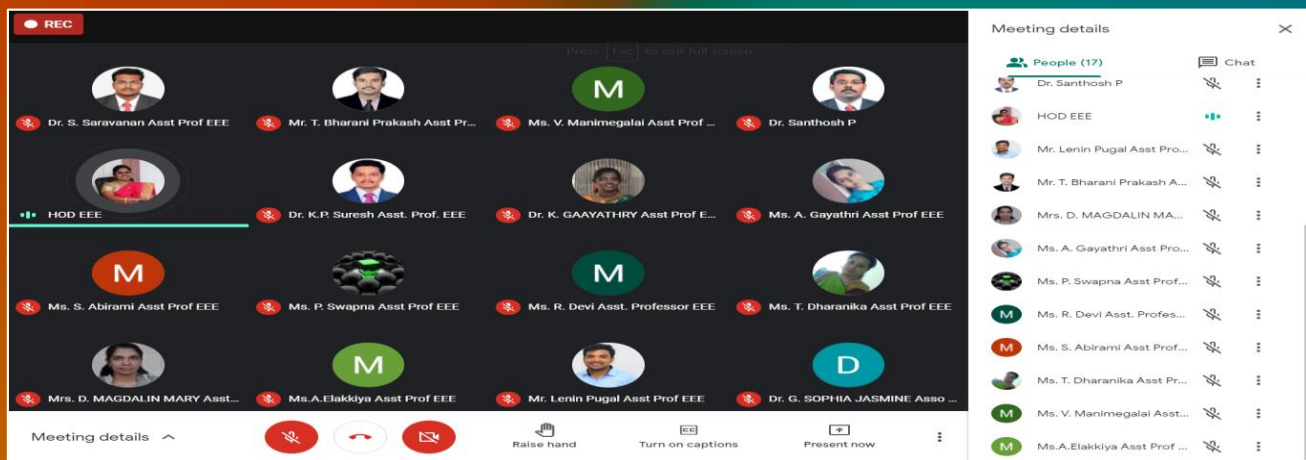


Dr G M Tamilselvan, Professor and Head, Dept. of ECE, conducted a meeting with the Members of Faculty regarding Online Examination, Practice Test and Research Progress on 05 December 2020.

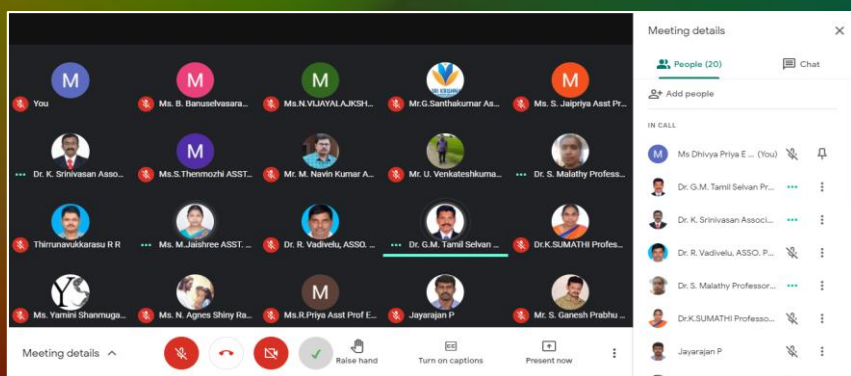
CSE | DEPARTMENT MEETING



Dr P Tamije Selvy, Professor, Dept. of CSE, conducted a meeting with the Members of Faculty regarding the Academic Activities and Placement Progress on 09 December 2020.

EEE | DEPARTMENT MEETING

Dr K Lakshmi, Professor and Head, Dept. of EEE, conducted a meeting with the Members of Faculty regarding the Progress of R&D Activities, Review of Course Module, Online Class for Lateral Entry Students and End Semester Online Exams on 08 December 2020.

**ECE | DEPARTMENT MEETING**

Dr G M Tamilselvan, Professor and Head, Dept. of ECE, conducted a meeting with the Members of Faculty regarding Online Laboratory Examination, Students' Participation in Project Contests and Research Progress on 08 December 2020.

IT | DEPARTMENT MEETING

The screenshot displays a Google Meet session titled "Meet - yjr-mmke-bcr". The meeting interface shows 17 participants in a grid view. The participants listed in the sidebar are:

- Mr. Suresh Kumar A
- Ms. D. Ranjani Asst Pr...
- Ms. G. Lavanya ASST...
- Ms. K. Mythili Asst Pro...
- Ms. K. Sindhu Meena ...
- Ms. M. Malathi Asst Pr...
- Ms. P. Alaguvathana A...
- Ms. S. Madumidha Ass...
- Ms. S. Muthulakshmi A...
- Ms.A. Christy Jeba Ma...
- Roopa Venkat Asst Pr...

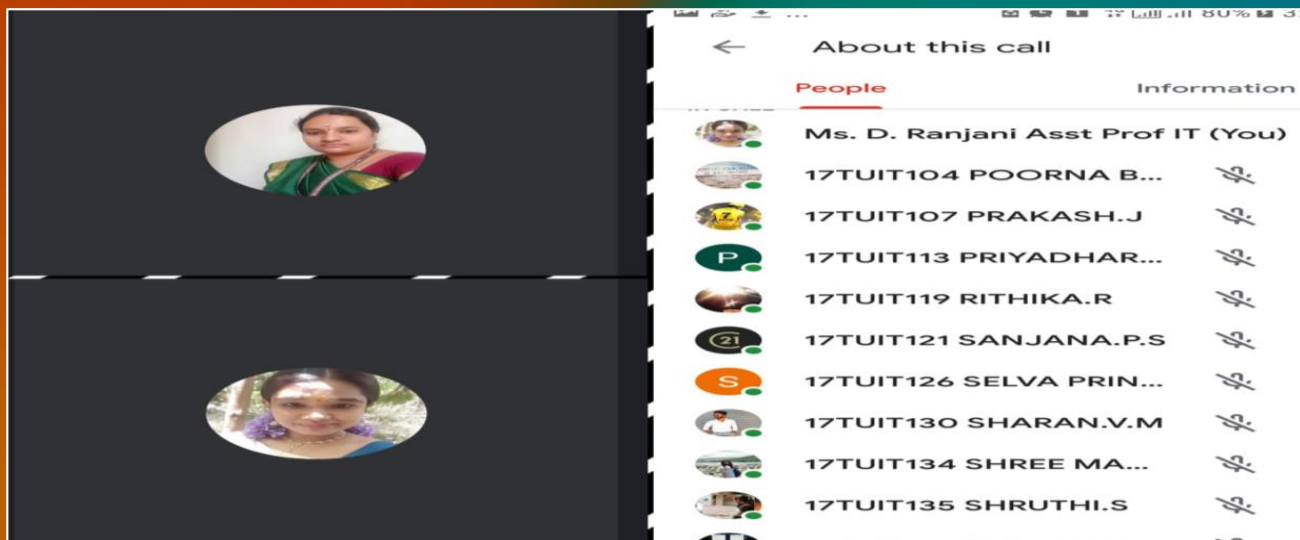
The meeting details sidebar also shows the following participants:

- Ms. K. Sindhu Meena Asst prof ...
- Kanmani R
- Ms. S. Madumidha Asst Prof IT
- Ms.A. Christy Jeba Malar ASST...
- Dr. G.M. Tamil Selvan Prof and ...
- Ms. S. Muthulakshmi Asst Prof ...
- Roopa Venkat Asst Prof IT
- Ms. K. Mythili Asst Prof IT
- Dr. T. Rajesh kumar Associate ...
- Mr. Suresh Kumar A
- Ms. P. Alaguvathana Asst Prof IT
- Ms. D. Ranjani Asst Prof IT
- Dr. G.M. Tamil Selvan Prof and Head I...

The Windows taskbar at the bottom shows the system clock at 9:27 AM on 12/9/2020.

Dr G M Tamilselvan, Professor and Head InCharge, Dept. of IT, conducted a meeting with the Members of Faculty regarding the End Semester Examination, Research Progress, Academic Activities, Students' Activities and Participation on 09 December 2020.

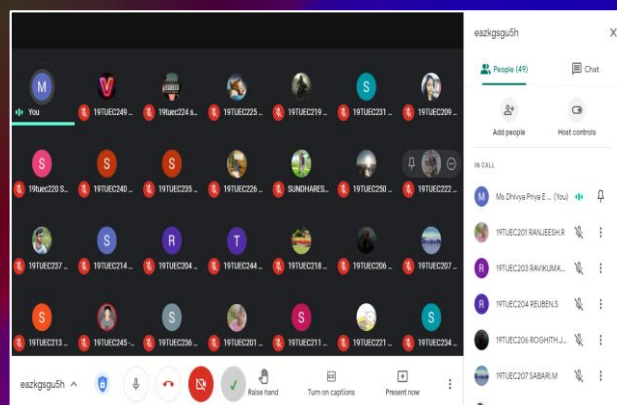
IT | TUTOR WARD MEETING



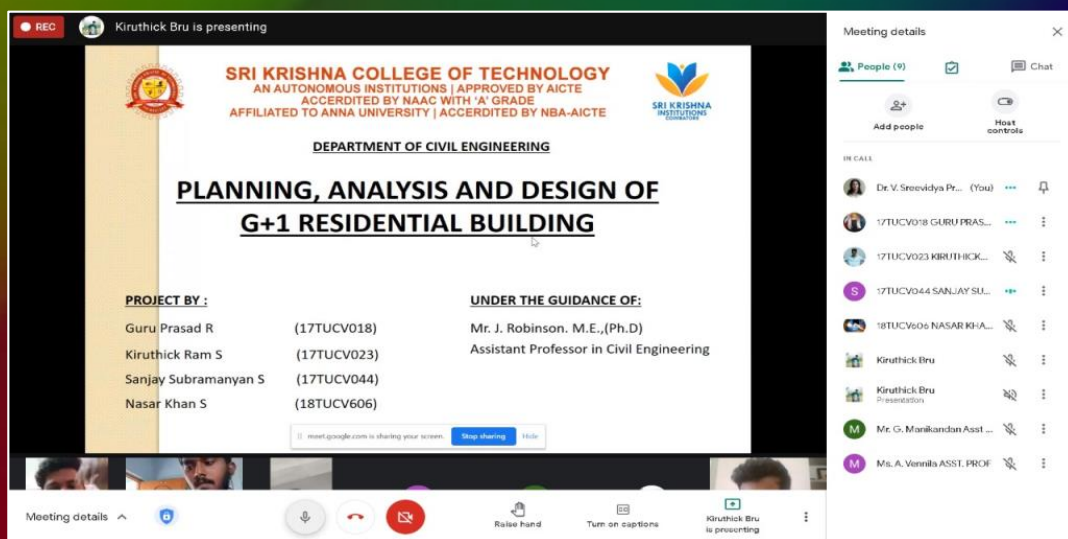
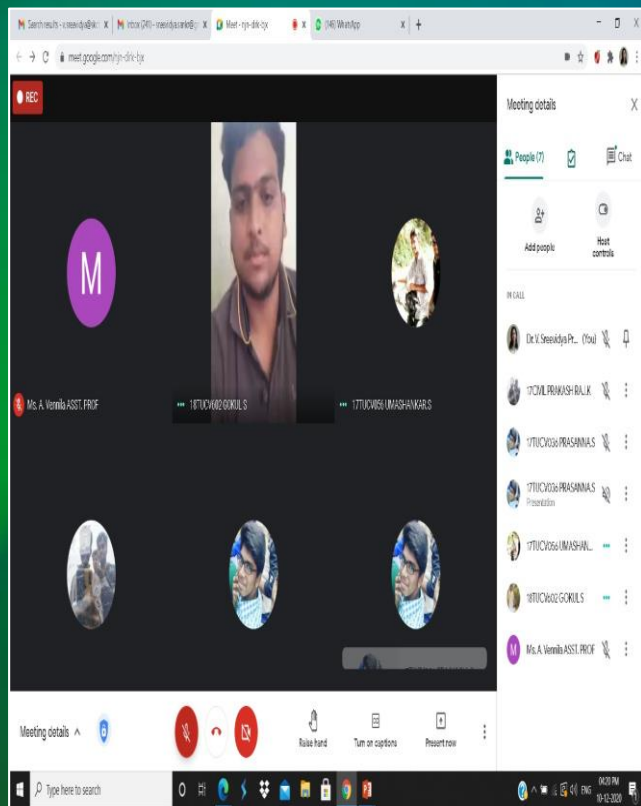
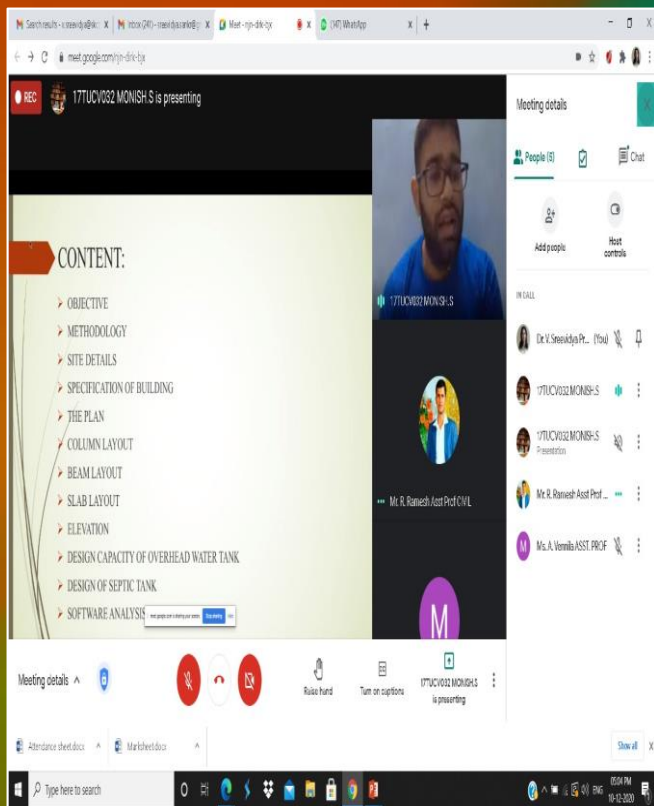
The Members of Faculty from the Dept. of IT conducted a **“Tutor Ward Meeting”** for the Students of Final B.Tech. IT B Section regarding End Semester Examination, Placement Related Activities, Event Participation and other Student-related Activities on 08 December 2020.

ECE | TUTOR WARD SESSION

Tutors of Second B.E. ECE conducted a **“Tutor Ward Meeting”** regarding Online Examination, Practice Test and Participation in Project Contests on 07 December 2020.

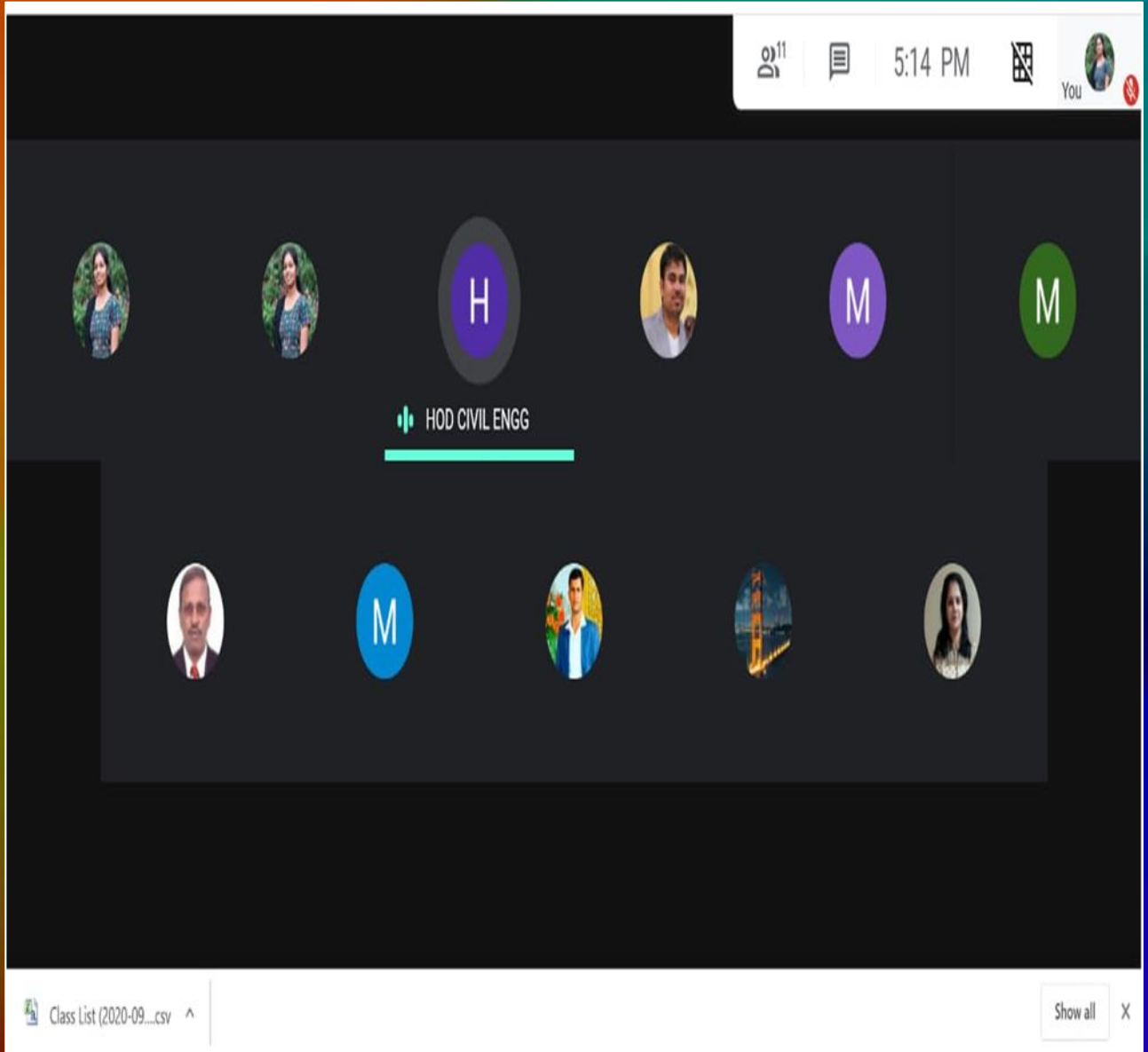


CIVIL | PROJECT VIVA VOCE



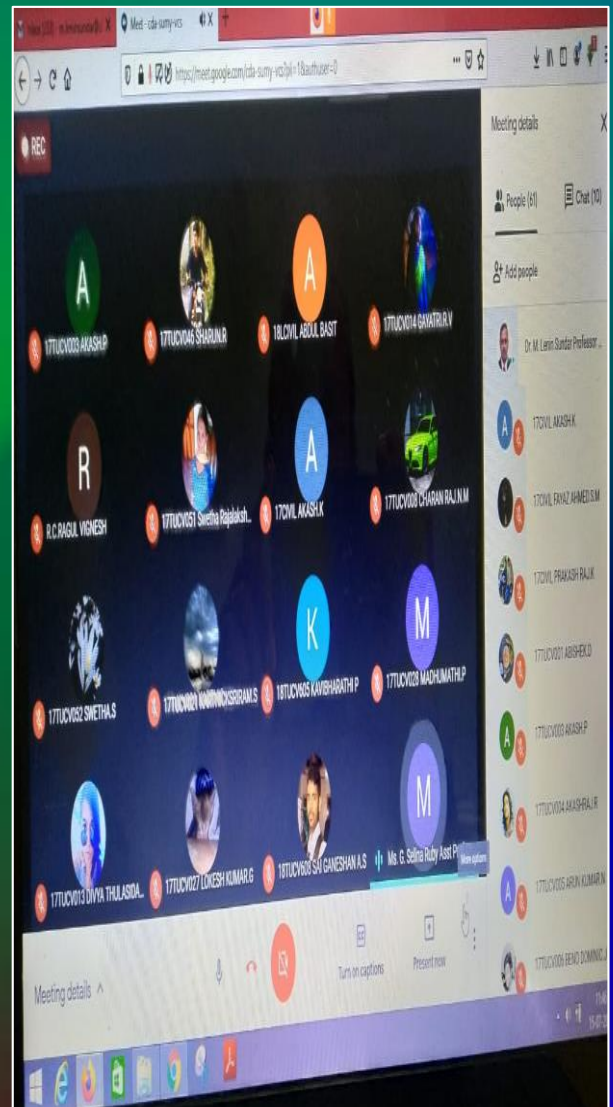
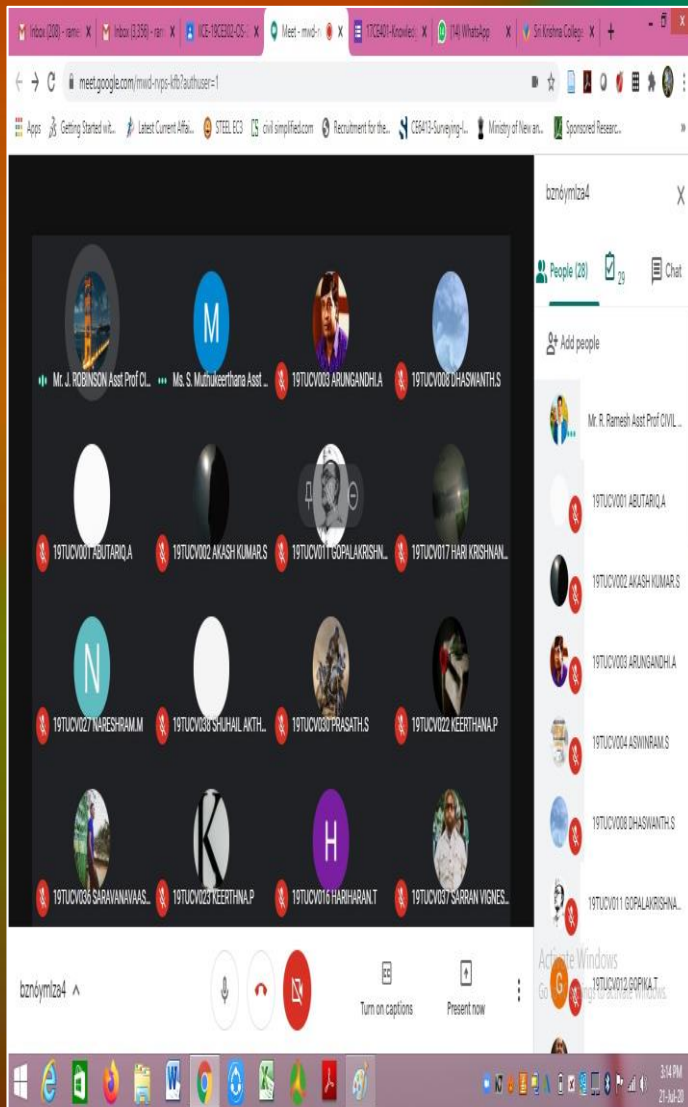
Students of Final B.E. Civil Engineering completed the End Semester Project Viva Voce on 10 December 2020.

CIVIL | DEPARTMENT MEETING



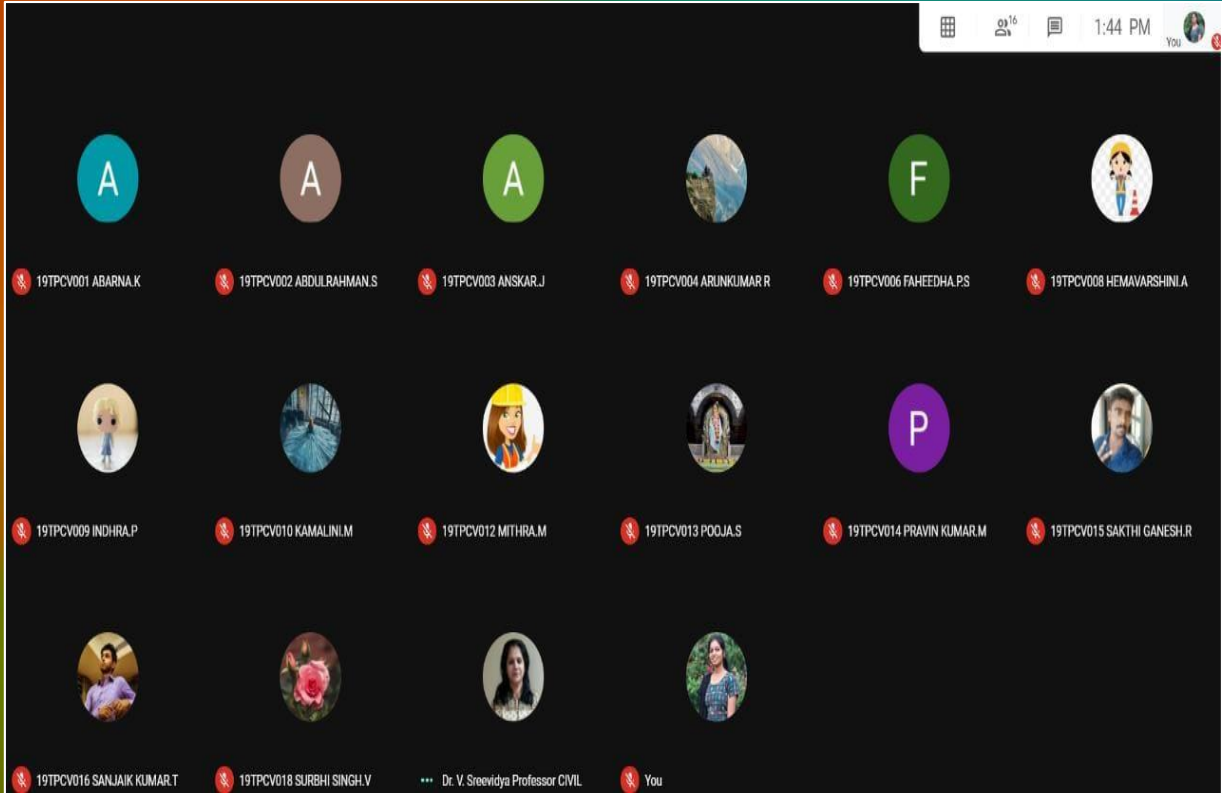
Dr I Padmanaban, Professor and Head, Dept. of Civil Engineering, conducted a meeting with the Members of Faculty regarding the Academic Progress and Course Content Preparation for the Next Semester on 06 Decemebr 2020.

CIVIL | ACADEMIC MEETING



The Members of Faculty and Dr I Padmanaban, Professor and Head, conducted a meeting with the Students of B.E. Civil Engineering regarding the Preparedness for the End Semester Examinations on 05 December 2020.

CIVIL | ACADEMIC MEETING



Dr I Padmanaban, Professor and Head along with Dr V Sreevidya, Professor, Dept. of Civil Engineering, conducted a meeting with the Students of Second M.E. Structural Engineering regarding Project Progress Status and End Semester Examinations on 07 December 2020.

