



**SKCT**

# DIGEST

**SPECIAL ISSUE 24**

**02 - 06 NOVEMBER 2020**

**SPECIAL  
EDITION**

**EDITOR - IN - CHIEF**

**Dr Srinivasan Alavandar,  
Principal**

**EDITORIAL TEAM**

**Ms S Soundarya, CSE**

**Ms S Thenmozhi, ECE**

**Ms B Pavithra, SSH**

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# **STUDENTS' PARTICIPATION**



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# CSE | STUDENT CERTIFICATIONS



**PROMPT infotech**  
A Division of PITH Pvt Ltd  
An ISO 9001:2015 Certified Company




## CERTIFICATE OF COMPLETION

This certifies that

**GNANA MANOHARAN.S.P.T**

has successfully completed the 5 days training on

### ETHICAL HACKING FUNDAMENTALS

and enhanced their skills to set up a secure testing laboratory, customizing Kali for testing, gathering and planning attack strategies and counter measures to secure network and their applications.

We wish the best for all the future endeavours.

Registration ID - PITHEHF001223  
Month - October  
Year - 2020

  
SANKARRAJ SUBRAMANIAN  
Founder & CEO

  
SHANKAR THANGAVELU  
Executive Director

## CERTIFICATE OF PARTICIPATION

THIS TO CERTIFY THAT

**GNANA MANOHARAN S P T**

HAS SUCCESSFULLY COMPLETED THE 10 DAY TRAINING PROGRAM ON

### NETWORK & NETWORK SECURITY

AND ENHANCED SKILLS IN THE FOLLOWING DOMAINS  
"NETWORK FUNDAMENTALS, SWITCHING, ROUTING, FIREWALL & NETWORK SECURITY TOOLS"  
PROMPT INFOTECH WISHES ALL SUCCESS FOR YOUR FUTURE ENDEAVOURS

REGISTRATION ID | MONTH | YEAR : PITNS001293 | SEPTEMBER | 2020

  
SANKARRAJ SUBRAMANIAN  
Founder & CEO




## CERTIFICATE OF COMPLETION

This certifies that

**GNANA MANOHARAN SPT**

has successfully completed the ten days training on Phase II - Mastering the Core Technologies of Ethical Hacking that included the IP/MAC spoofing, email spoofing and analysis, website phishing, web server pentesting, password bruteforcing, CMS scanning, WAN attacks, XSS and file upload attacks, advanced exploitation methodologies to be recognised as a

### CERTIFIED ETHICAL HACKER

Year : 2020 | Month : October | Register ID : PITCEH527

  
PROMPT infotech  
A Division of PITH Pvt Ltd  
An ISO 9001:2015 Certified Company

  
SANKARRAJ SUBRAMANIAN  
Founder & CEO

  
SHANKAR THANGAVELU  
Executive Director




Mr Gnana Manoharan S P T, Student of Third B.E. CSE A Section, attended various trainings at Prompt Infotech, Coimbatore during September-October 2020



# EEE | STUDENT'S PARTICIPATION



Mr A Alvin Reuben, Student of Final B.E. EEE, participated in a webinar on various topics organised by Skyy Rider Institutions in the month of October 2020.

# **PLACEMENT ACTIVITIES**



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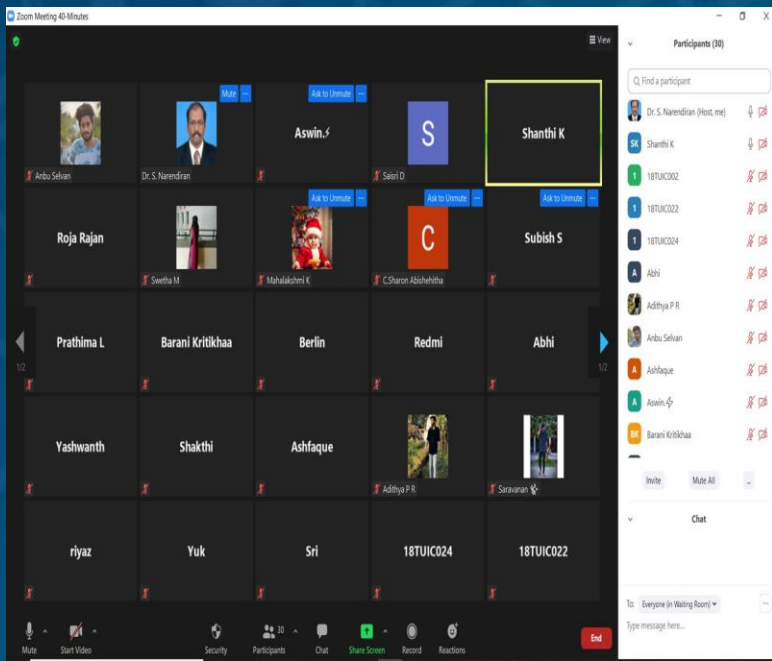


**SoM | PLACEMENT ACTIVITIES**



**Mr Aravind T, Mr Eniyan Visakn N, Mr Karthick M, Mr Kaviyan B N, Mr Midhun Balaji V V, Mr Mohamed Ashik M, Mr Parasuraman V, Mr Ramanath T and Mr Vignesh R, Students of Second MBA, has been selected in Oppo.**

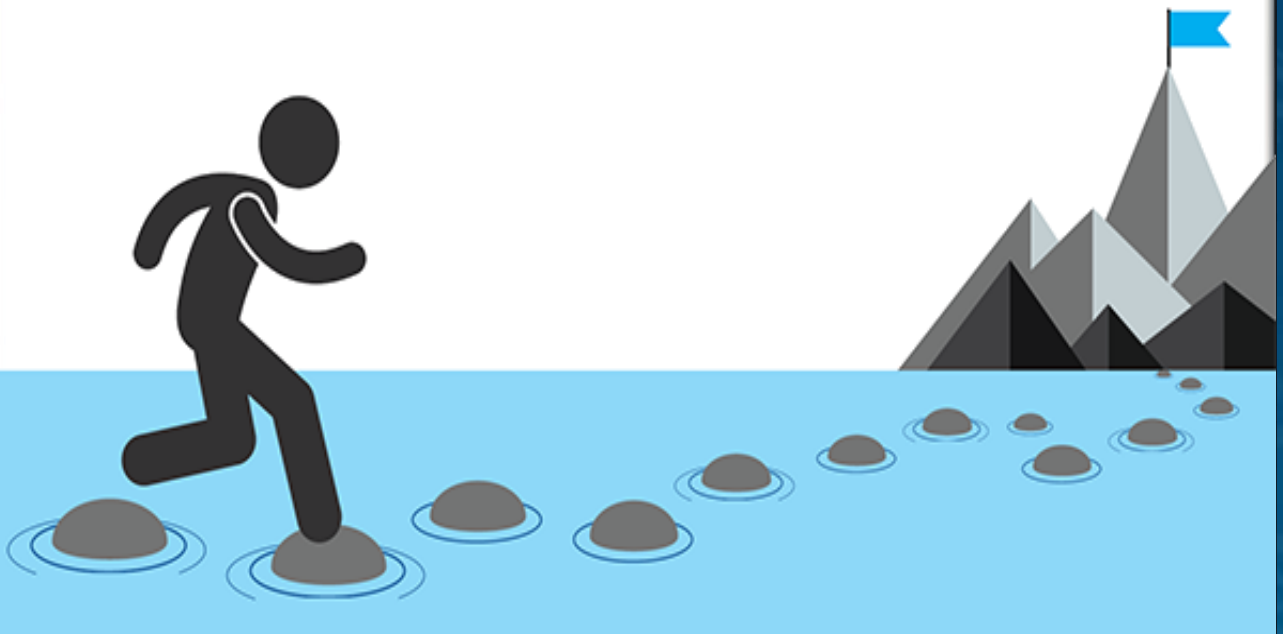
**ICE | PLACEMENT TRAINING DISCUSSION - III ICE**



**Ms K Shanthi, Asst. Professor and Dr S Narendiran, Assoc. Professor, Dept. of ICE, conducted a meeting with the Students of Third B.E. ICE regarding the Placement Training Test.**



# **FACULTY PARTICIPATIONS**



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# CIVIL | FACULTY ACHIEVEMENT | SCHOLAR Ph.D. VIVA-VOCE

ANNA UNIVERSITY: CHENNAI - 25  
Department of Civil Engineering  
Sri Krishna College of Technology  
Coimbatore - 641042

Printed Date : 23-10-2020 04:24:12-am DH : AR8  
Notification for Ph.D. Public Viva-Voce Examination

Name of the Scholar : Viswanathan Rajeshkumar  
Registration Number : 1514169136  
Degree / Category : Ph.D. / Part-Time  
Faculty : Civil Engineering  
Title of the Thesis : INVESTIGATION OF THE FACTORS INFLUENCING SELECTION OF FORMWORK SYSTEMS AND EQUIPMENT IN HIGH RISE BUILDINGS IN INDIA  
Date and Time of Viva-Voce Examination : 04.11.2020 & 03:00-pm  
Venue : Seminar Hall  
Department of Civil Engineering  
Sri Krishna College of Technology, Coimbatore  
Tamilnadu-641042  
Name and Address of the Supervisor : Dr. Sreevidya V  
Associate Professor  
Department of Civil Engineering  
Sri Krishna College of Technology  
Coimbatore - 641042  
Name and Address of the Joint Supervisor/Research Co-ordinator : Not Applicable  
Online Meeting Details : <https://meet.google.com/zvi-gygs-prg>

All are cordially invited to attend the Ph.D. Public Viva-Voce Examination  
Date : 23-10-2020  
Place : Sri Krishna College of Technology, Coimbatore, Tamilnadu-641042

Signature of the Supervisor (Name, date and seal) : *Sreed* 23/10/2020  
Signature of the Joint Supervisor / Research Co-ordinator (Name, date and seal) :  
Signature of the HoD/Director of the Centre of the Supervisor (Name, date and seal) : *I. Padmanaban* 23/10/2020

Dr. SREEVIDYA V M.E., Ph.D., Associate Professor, Department of Civil Engineering, Sri Krishna College of Technology, Coimbatore - 641042.  
Copy to :  
Personal Secretary to Vice Chancellor, Anna University, Chennai - 25.  
Personal Assistant to Registrar, Anna University, Chennai - 25.  
The Controller of Examinations, Anna University, Chennai - 25.  
The Additional Controller of Examinations, Anna University, Chennai - 25.  
The Director, Centre for Research, Anna University, Chennai - 25.  
The Director, Ramanujan Computing Centre, Anna University, Chennai - 25.  
Dean / Director/ Principal of Government, Government Aided and Affiliated Engineering Colleges.

Dr. I. PADMANABAN, M.Tech., Ph.D., Head of the Department, Department of Civil Engineering, Sri Krishna College of Technology, Kovalpudur, Coimbatore - 641 042.

Date: 23-10-2020 04:10:13 | Page: 1 / 1



Mr V RajeshKumar, Ph.D. Scholar, under the guidance of Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering defended his Ph.D. Viva-Voce on 04 November 2020.

## SoM | FACULTY PARTICIPATION | PRESENTED RESEARCH ARTICLE



*VIT Business School*

Two Day International Virtual Conference on  
Contemporary Practices of Technology and Management for Economic Growth (ICTMEG2020)

### *Certificate of Participation*

This is to certify that Dr./Mr./Ms. **R.PRABUSANKAR** of **Sri Krishna College of Technology (Autonomous), Coimbatore** has presented a paper on **A Study On Impact Of Covid-19 On Micro, Small And Medium Enterprises (Msme) In Coimbatore District** in the **Two Day International Virtual Conference on Contemporary Practices of Technology and Management for Economic Growth (ICTMEG2020)** conducted at Vellore Institute of Technology, Chennai on 23<sup>rd</sup> & 24<sup>th</sup> October, 2020.

**Dr. Raja Rajeswari G**  
Convener

**Dr. Sudarsanam S K**  
Dean (VITBS)

**Dr. Kanchana Bhaaskaran V S**  
Pro-Vice Chancellor

VIT – Recognised as Institution of Eminence (IoE) by Government of India

VIT - A place to learn; A chance to grow

Dr R Prabusankar, Professor, SoM, presented a Research Article on “**Impact of Covid-19 on MSMEs in the Coimbatore District**” in a Two-day International Virtual Conference on Contemporary Practices of Technology and Management for Economic Growth organised by VIT, Chennai during 23-24 October 2020.



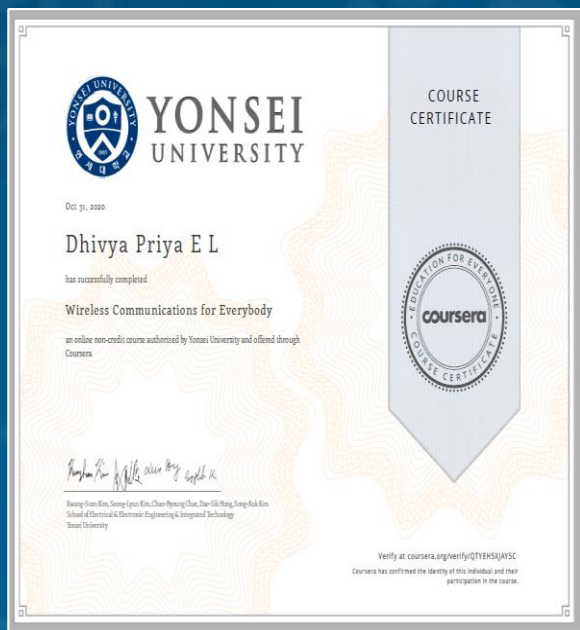
**ECE | FACULTY CERTIFICATION | LEARN BASICS OF ADOBE PHOTOSHOP CC 2020 FOR BEGINNERS**



Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, completed an online course on **“Learn Basics of Adobe Photoshop CC 2020 for Beginners”** offered through Udemty on 01 November 2020.

**ECE | FACULTY CERTIFICATION | WIRELESS COMMUNICATION FOR EVERYBODY**

Ms Dhivya Priya E L, Asst. Professor, Dept. of ECE, completed an online course on **“Wireless Communication for Everybody”** offered by Yonsei University through Coursera on 31 October 2020.



## MECH | FACULTY PAPER PRESENTATION AT INTERNATIONAL CONFERENCE




**K.RAMAKRISHNAN  
COLLEGE OF TECHNOLOGY**  
An Autonomous Institution

Approved by AICTE, New Delhi & Affiliated to Anna University Chennai  
Accredited with 'A+' grade by NAAC, ISO 9001:2015 Certified Institution

Samayapuram, Trichy - 621 112, Tamilnadu India. Ph: 0431 - 2610699, 2670799

**International Conference On Newer Trends &  
Innovations in Mechanical Engineering - 2020**  
**Certificate of Participation**

This is to certify that **Mr P SIVARAMAN** of Sri Krishna College of Technology has presented paper titled "*Analysis of tensile strength of AA 2014 and AA 7075 dissimilar metals using friction stir welding*" in the virtual event "**ICONTIME-2020**" organized by Department of Mechanical Engineering, on 15-10-2020 & 16-10-2020.




  
Mr. T. Rajkumar  
Convener

  
Dr. V. Vijayan  
HoD

  
Dr. S. Muruganandam  
Principal

Mr P Sivaraman, Asst. Professor, Dept. of Mechanical Engineering, presented a paper on "**Analysis of Tensile Strength of AA2014 and AA7075 Dissimilar Metals using Friction Stir Welding**" in ICONTIME - 2020 organised by K Ramakrishnan College of Technology, Samayapuram during 15-16 October 2020.



MECH | FACULTY STTP PARTICIPATION



**K.L.N. College of Engineering**  
Pottapalayam, Sivagangai District, Tamilnadu  
An Autonomous Institution | Accredited by NAAC  
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
**Department of Mechanical Engineering**  
**Certificate of Participation**



This is to certify that

**Mr.RAGHUL K.S**  
from



**K.L.N. College of Engineering**  
Pottapalayam, Sivagangai District, Tamilnadu  
An Autonomous Institution | Accredited by NAAC  
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
**Department of Mechanical Engineering**  
**Certificate of Participation**



This is to certify that

**Mr.Ram Kumar S**  
from

**SRI KRISHNA COLLEGE OF TECHNOLOGY**

has participated in the AICTE Sponsored Online Short Term Training Programme on “Innovative Techniques for Sustainable Energy Development through Modeling of Mechanical Processes – (SERIES-III)”, from 19.10.2020 (Monday) to 24.10.2020 (Saturday) organized by the Mechanical Engineering Department of K.L.N. College of Engineering, Pottapalayam, Sivagangai District, Tamilnadu.

Certificate ID:  
KLN-AICTE-STTP-S3-35

**COORDINATOR**  
(Dr.M.R.Thansekhar)

**HOD/MECH**  
(Dr. P. Udhaya Kumar)

**PRINCIPAL**  
(Dr.A.V.Ramprasad)

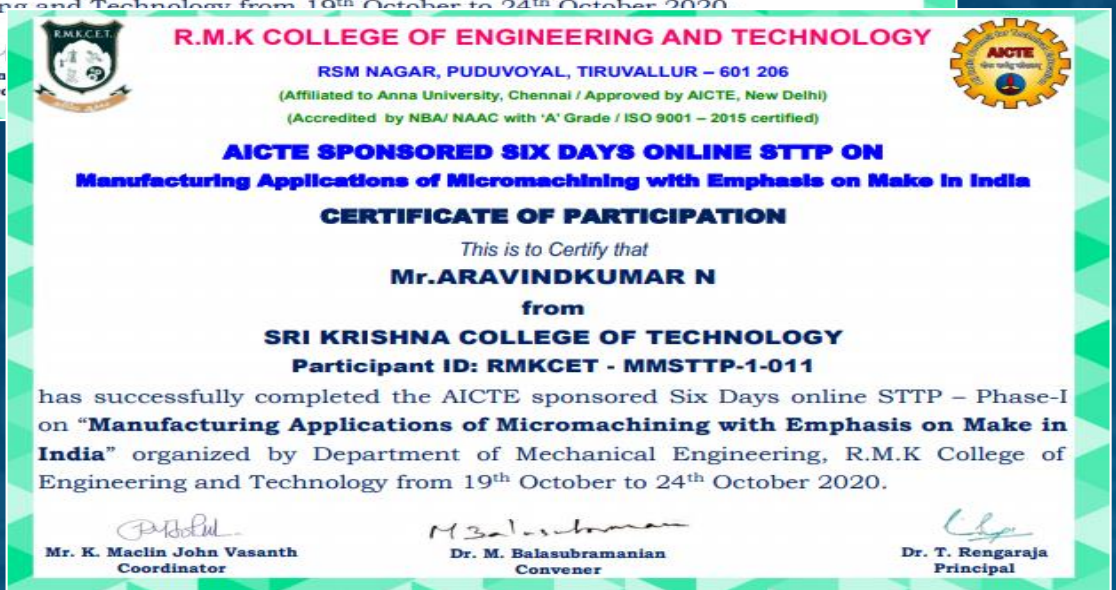
**Short Term  
Training  
Programme (STTP)**



Mr Raghul K S and Mr Ramkumar S, Asst. Professors, Dept. of Mechanical Engineering, participated in a AICTE sponsored STTP on “Innovative Techniques For Sustainable Energy Development through Modelling of Mechanical Process” organised By KLN College Of Engineering, Sivagangai during 19-24 October 2020.

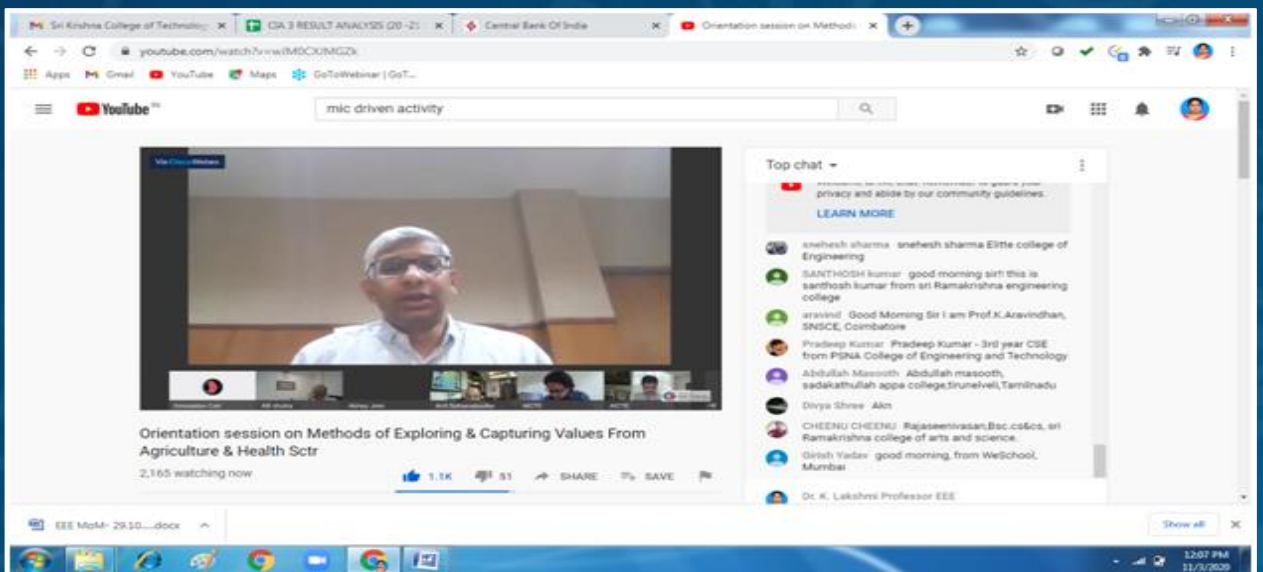


## MECH | FACULTY STTP PARTICIPATION



Mr N Aravindkumar and Mr S Ram Kumar, Asst. Professors, Dept. of Mechanical Engineering, completed the AICTE sponsored Six-day online STTP on “**Manufacturing Applications of Micromachining with Emphasis on Make in India**” organised by R M K College of Engineering and Technology, Thiruvallur during 19-24 October 2020.

## EEE | FACULTY PARTICIPATION



Dr K Lakshmi, Professor and Head, Dept. of EEE, participated in a orientation session on **“Methods of Exploring and Capturing Values from Agriculture and Health Sector”** organised by MIC and AICTE, New Delhi on 03 November 2020.



# PAPER PUBLICATIONS



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MECH | PAPER PUBLICATION IN AIP CONFERENCE  
PROCEEDINGS

AIP Conference Proceedings

**Purification of contaminated water using solar tracking panels and polypropylene disk**

Cite as: AIP Conference Proceedings 2283, 020032 (2020); <https://doi.org/10.1063/5.0025401>  
Published Online: 29 October 2020

P. Sivaraman, T. Nithyanandhan, M. K. Prabhu, K. Umanath, S. N. Kishore, and G. Rahul Kumar



View Online



Expert Citation

Mr P Sivaraman, Mr T Nithyanandhan, Mr M K Prabhu and Mr K Umanath, Asst. Professors, Dept. of Mechanical Engineering, Mr S N Kishore and Mr G Rahul Kumar, Students of Third B.E. Mechanical Engineering, published a paper on **“Purification of Contaminated Water Using Solar Tracking Panels and Polypropylene Disk”** in AIP Conference Proceedings on 29 October 2020.

# MECH | PAPER PUBLICATION IN AIP CONFERENCE PROCEEDINGS

**AIP Conference Proceedings**

**Optimization and validation of process parameters on compression molded activated charcoal - Epoxy composites for fuel cell bipolar plates**

Cite as: AIP Conference Proceedings 2270, 04002 (2020), <https://doi.org/10.1063/1.5098833>  
Published Online: 02 November 2020

S. Gopinath, Prince Muthiah, R. Vasanth, and J. Nihadeen

Meet the Next Generation of Quantum Analyzers  
And Join the Launch Event on November 17th

**AIP Publishing**

AIP Conference Proceedings 2270, 04002 (2020), <https://doi.org/10.1063/1.5098833>  
© 2020 Author(s)

**AIP Conference Proceedings**

**Design of single drive transmission system for mecanum wheels**

Cite as: AIP Conference Proceedings 2271, 030031 (2020), <https://doi.org/10.1063/1.5092305>  
Published Online: 28 September 2020

Prince Muthiah, S. A. Sri Akilan, A. Sugumar, S. Sasidhar, and N. S. Vishnuram

ARTICLES YOU MAY BE INTERESTED IN

AI based failure load prediction of CFRP composite laminates using multivariate statistical analysis  
AIP Conference Proceedings 2271, 030031 (2020), <https://doi.org/10.1063/1.50924795>

Computational study of effectiveness of winglet at subsonic speed  
AIP Conference Proceedings 2271, 030028 (2020), <https://doi.org/10.1063/1.50924756>

Mechanical properties of banana peel reinforced polymer matrix composites  
AIP Conference Proceedings 2271, 030032 (2020), <https://doi.org/10.1063/1.50924768>

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AIP Conference Proceedings 2271, 030031 (2020), <https://doi.org/10.1063/1.5092305>  
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**Optimization and validation of process parameters on compression molded activated charcoal - Epoxy composites for fuel cell bipolar plates**

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And Join the Launch Event on November 17th

**AIP Publishing**

AIP Conference Proceedings 2270, 04002 (2020), <https://doi.org/10.1063/1.5098833>  
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**Optimization and Validation of Process Parameters on Compression Molded Activated Charcoal - Epoxy Composites for Fuel Cell Bipolar Plates**

S. Gopinath<sup>1,3</sup>, Prince Muthiah<sup>2,4\*</sup>, R. Vasanth<sup>1</sup> and J. Nihadeen<sup>2</sup>

<sup>1</sup>Department of Mechanical Engineering, STS College of Engineering and Technology, Kannampalayam, Coimbatore, Tamilnada, India  
<sup>2</sup>Department of Mechanical Engineering, Sri Krishna College of Technology, Kovvur, Coimbatore, Tamilnada, India  
<sup>3</sup>Corresponding author: drprince1977@gmail.com  
<sup>4</sup>prince\_suresh@gmail.com

**Design of Single Drive Transmission System for Mecanum Wheels**

Prince Muthiah<sup>1,3</sup>, S.A Sri Akilan<sup>1,3</sup>, A Sugumar<sup>2</sup>, S Sasidhar<sup>2</sup>, N.S Vishnuram<sup>2</sup>

<sup>1</sup>Professor, Department of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore, Tamilnada, India  
<sup>2</sup>Final Year Student, Department of Mechanical Engineering Sri Krishna College of Technology, Coimbatore, Tamilnada, India  
<sup>3</sup>Corresponding author: drprince1977@gmail.com  
<sup>4</sup>sankalaram10@gmail.com

**Optimization and Validation of Process Parameters on Compression Molded Activated Charcoal - Epoxy Composites for Fuel Cell Bipolar Plates**

S. Gopinath<sup>1,3</sup>, Prince Muthiah<sup>2,4\*</sup>, R. Vasanth<sup>1</sup> and J. Nihadeen<sup>2</sup>

<sup>1</sup>Department of Mechanical Engineering, STS College of Engineering and Technology, Kannampalayam, Coimbatore, Tamilnada, India  
<sup>2</sup>Department of Mechanical Engineering, Sri Krishna College of Technology, Kovvur, Coimbatore, Tamilnada, India  
<sup>3</sup>Corresponding author: drprince1977@gmail.com  
<sup>4</sup>prince\_suresh@gmail.com



*publications*

Dr M Prince, Professor, Dept. of Mechanical Engineering, published three papers in AIP Conference Proceedings on 02 November 2020.

## MECH | PAPER PUBLICATION IN MATERIALS TODAY PROCEEDINGS

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**materialstoday:**  
**PROCEEDINGS**

Volume 33, Part 1, 2020, Pages 372-377

Enhancement of corrosion behaviour of AL6061- B<sub>4</sub>C-RHA reinforced hybrid composite

T. Nithyanandhan <sup>a</sup>, P. Sivaraman <sup>a</sup>  , R. Ramamoorthi <sup>b</sup>, P. Suresh Kumar <sup>c</sup>, R. Kannakumar <sup>d</sup>,  
Kumar <sup>a</sup>

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**materialstoday:**  
**PROCEEDINGS**

Volume 33, Part 1, 2020, Pages 201-207

Productivity enhancement in engine assembly using lean tools and techniques

P. Sivaraman <sup>a</sup>  , T. Nithyanandhan, S. Lakshminarasimhan, S. Manikandan, Mohamad Saifudheen

Mr T Nithyanandhan and Mr P Sivaraman, Asst. Professors, Dept. of Mechanical Engineering, published a paper on **“Enhancement of Corrosion Behaviour of AL6061- B<sub>4</sub>C-RHA Reinforced Hybrid Composite”** in Materials Today Proceedings on 05 November 2020.

Mr P Sivaraman and Mr T Nithyanandhan, Asst. Professors, Dept. of Mechanical Engineering, published a paper on **“Productivity Enhancement in Engine Assembly Using Lean Tools and Techniques”** in Materials Today Proceedings on 05 November 2020.



MECH | PAPER PUBLICATION IN MATERIALS TODAY  
PROCEEDINGS*publications*

Materials Today: Proceedings 33 (2020) 360–366



ELSEVIER

Contents lists available at ScienceDirect

## Materials Today: Proceedings

journal homepage: [www.elsevier.com/locate/matpr](http://www.elsevier.com/locate/matpr)Experimental analysis on refrigeration system using CNT, gold & HAUCL<sub>4</sub>  
nano fluidsK. Mohan<sup>a,\*</sup>, S. Sundararaj<sup>a</sup>, K. Gopi Kannan<sup>b</sup>, A. Kannan<sup>c</sup><sup>a</sup>Department of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore, Tamilnadu, India<sup>b</sup>School of Mechanical Engineering, Vellore Institute of Technology, Vellore, Tamilnadu, India<sup>c</sup>College of Electrical and Mechanical Engineering, Addis Ababa Science and Technology University, Addis Ababa, Ethiopia

Dr S Sundararaj, Professor and Mr K Mohan, Asst. Professor, Dept. of Mechanical Engineering, published a paper on “**Experimental Studies on Refrigeration System using CNT, Gold & HAUCL<sub>4</sub> Nano Fluids**” in Materials Today Proceedings on 05 November 2020.

## MECH | PAPER PUBLICATION IN MATERIALS TODAY PROCEEDINGS



*publications*

Materials Today: Proceedings 33 (2020) 214-216



ELSEVIER

Contents lists available at ScienceDirect

Materials Today: Proceedings

journal homepage: [www.elsevier.com/locate/matpr](http://www.elsevier.com/locate/matpr)



### Evaluation of tensile and flexural properties of foundry slag reinforced particulate polymer composite

M. Rajeswaran<sup>a,\*</sup>, P. Prathap<sup>a</sup>, S. Kannan<sup>b</sup>, S. Naveenkumar<sup>c</sup>

<sup>a</sup> Department of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore 641042, India

<sup>b</sup> Department of Mechanical Engineering Hindusthan College of Engineering and Technology, Coimbatore, India

<sup>c</sup> Department of Mechanical Engineering, Akshaya College of Engineering and Technology, Coimbatore, India

Dr P Prathap, Professor and Mr K Mohan, Asst. Professor, Dept. of Mechanical Engineering, published a paper on **“Evaluation of Tensile and Flexural Properties of Foundry Slag Reinforced Particulate Polymer Composite”** in Materials Today Proceedings on 05 November 2020.

## MECH | PAPER PUBLICATION IN MATERIALS TODAY PROCEEDINGS



*publications*

Materials Today: Proceedings 33 (2020) 107-109  
materials today: proceedings 33 (2020) 107-109



ELSEVIER

Contents lists available at ScienceDirect

Materials Today: Proceedings

journal homepage: [www.elsevier.com/locate/matpr](http://www.elsevier.com/locate/matpr)



Fabrication and analysis of Master leaf spring plate using carbon fibre and pineapple leaf fibre as natural composite materials

K. Umanath<sup>a,\*</sup>, M.K. Prabhu<sup>a</sup>, A. Yuvaraj<sup>b</sup>, D. Devika<sup>c</sup>

<sup>a</sup>Department of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore 641 042, Tamilnadu, India

<sup>b</sup>NSN College of Engineering and Technology, Karur, India

<sup>c</sup>Department of Mechanical Engineering, Koneru Lakshmaiah University, Vaddeswaram, Andhra Pradesh, India

Mr K Umanath and Mr M K Prabhu, Asst. Professors, Dept. of Mechanical Engineering, published a paper on “**Fabrication and Analysis of Master Leaf Spring Plate using Carbon Fibre and Pineapple Leaf Fibre as Natural Composite Materials**” in Materials Today Proceedings on 05 November 2020.



## MECH | PAPER PUBLICATION IN MATERIALS TODAY PROCEEDINGS



*publications* Materials Today: Proceedings 33 (2020) 208-213



ELSEVIER

Contents lists available at [ScienceDirect](https://www.sciencedirect.com)

### Materials Today: Proceedings

journal homepage: [www.elsevier.com/locate/matpr](http://www.elsevier.com/locate/matpr)



### Experimental study of the performance of Al<sub>2</sub>O<sub>3</sub>/water nanofluid in condensing unit of air conditioner

A.S. Manirathnam<sup>a,\*</sup>, K. Senthil Kumar<sup>a</sup>, R. Prabhu<sup>b</sup>, M. Sivashankar<sup>c</sup>, N. Hariharan<sup>d</sup>

<sup>a</sup>Department of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore, India

<sup>b</sup>Department of Mechanical Engineering, Dhanalakshmi Srinivasan College of Engineering, Coimbatore, India

<sup>c</sup>Department of Mechanical Engineering, NSN College of Engineering and Technology, Karur, India

<sup>d</sup>Department of Mechanical Engineering, Jairupaa College of Engineering, Tiruppur, India

Mr A S Manirathinam and Mr K Senthil Kumar, Asst. Professors, Dept. of Mechanical Engineering, published a paper on “**Experimental Study of the Performance of AL203/Water Nanofluid in Considering Unit of Air Conditioner**” in Materials Today Proceedings on 05 November 2020.

## MECH | PAPER PUBLICATION IN MATERIALS TODAY PROCEEDINGS



*publications*

Materials Today: Proceedings 33 (2020) 270-274



ELSEVIER

Contents lists available at [ScienceDirect](https://www.sciencedirect.com)

Materials Today: Proceedings

journal homepage: [www.elsevier.com/locate/matpr](http://www.elsevier.com/locate/matpr)



Characteristics of contactless swirl vane gripper by investigating the negative pressure and clearance

S. Ram Kumar<sup>a,\*</sup>, P. Arun Karthick<sup>a</sup>, S. Boovendrarvarman<sup>b</sup>, K.S. Raghul<sup>a</sup>, S. Thiyagu<sup>a</sup>

<sup>a</sup>Department of Mechanical Engineering, Sri Krishna College of Technology, 641042 Coimbatore, India

<sup>b</sup>Department of Mechanical Engineering, Sri Ramakrishna Institute of Technology, Coimbatore, India

Mr S Ram Kumar, Mr P Arun Karthick, Mr K S Raghul and Mr S Thiyagu, Asst. Professors, Dept. of Mechanical Engineering, published a paper on “**Characteristics of Contactless Swirl Vane Gripper by Investigating the Negative Pressure and Clearance**” in Materials Today Proceedings on 05 November 2020.

# **PROPOSAL SUBMITTED**

# **PROJECT PROPOSAL**



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**digestfeedback@skct.edu.in**







# **NEW VISTAS OF LEARNING**



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## CIVIL | WEBINAR ON SIMPLIFIED METHODS IN PRACTICE FOR CHECKING STRUCTURAL DESIGN



### CERTIFICATE OF PARTICIPATION

SRMUNIMAS052

*This is to Certify that*

*Dr. V. Sreevidya*

*from Sri Krishna College of Technology*

*has participated in the Technical Webinar on*

#### **"SIMPLIFIED METHODS IN PRACTICE FOR CHECKING STRUCTURAL DESIGN WITH CASE STUDIES"**

Presented by Er. C Kalyanasundaram, Superintending Engineer, Tamil Nadu PWD - Planning & Design Circle (Buildings), Chennai.

Organized by The Department of Civil Engineering, SRM Institute of Science and Technology - Kattankulathur,

University Malaysia Sarawak - Malaysia and Indian Concrete Institute in Association with UltraTech Cement Ltd., on 11<sup>th</sup> Oct 2020.

Dr. K. S. Satyanarayanan  
HOD / Civil  
SRMIST, KTR

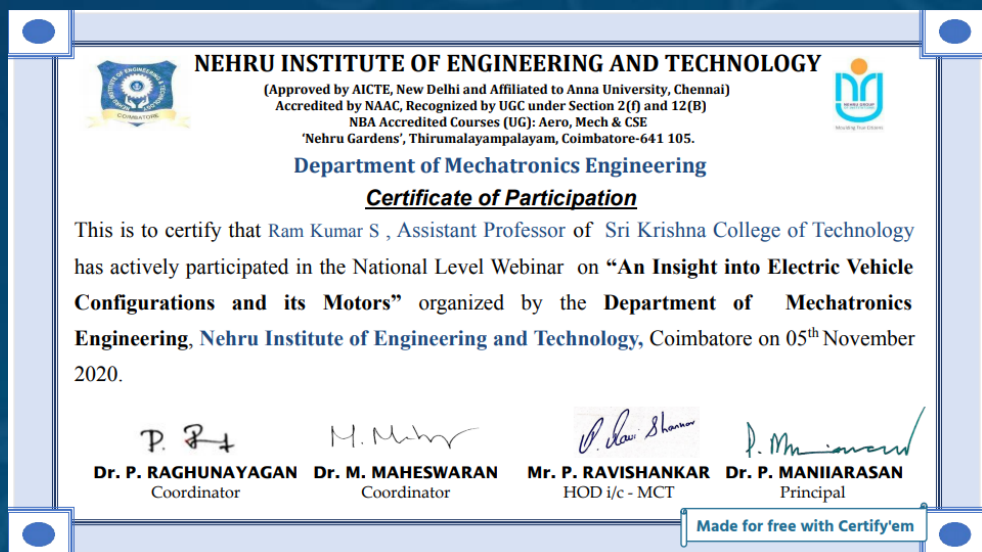
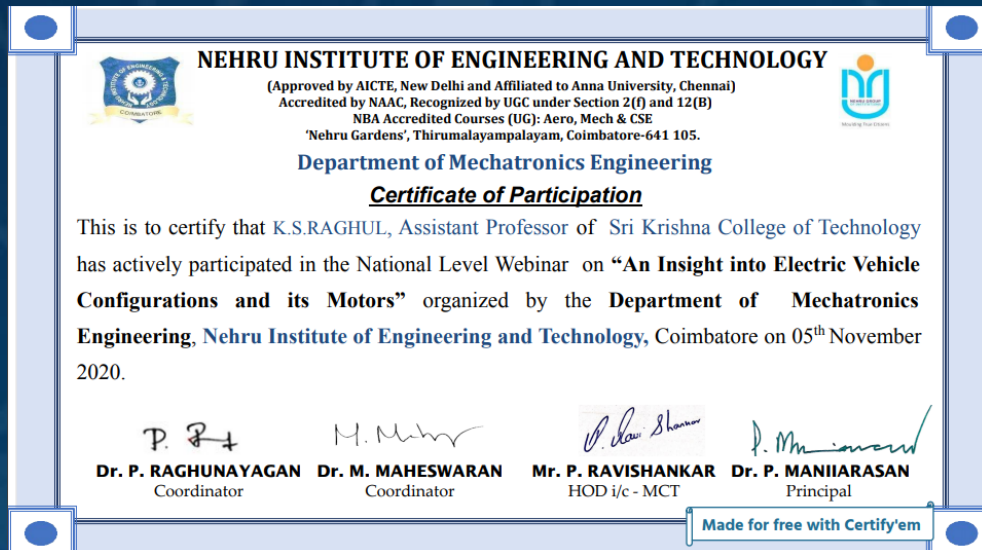
Dr. Mohammad Abdul Mannan  
Professor / Civil  
University Malaysia Sarawak - Malaysia

Er. A.P. Murugan,  
Regional Head, Technical Services,  
UltraTech Cement Ltd.

Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, attended a webinar on **"Simplified Methods in Practice for Checking Structural Design with Case Studies"** organised by SRM Institute of Science and Technology, Chennai on 11 October 2020.



# MECH | WEBINAR ON AN INSIGHT INTO ELECTRIC VEHICLE CONFIGURATIONS AND ITS MOTORS



Mr Raghul K S and Mr Ramkumar S, Asst. Professors, Dept. of Mechanical Engineering, attended a webinar on “**An Insight into Electric Vehicle Configurations and its Motors**” organised by Nehru Institute of Engineering and Technology, Coimbatore on 05 November 2020.

# ***FDPs ATTENDED***



## **Faculty Development Program**



**@skctdigest**



**@skctofficial**



**digestfeedback@skct.edu.in**



ECE | INDUCTION PROGRAM | FEATURE ANALYSIS USING AI/ML



Mr R R Thirrunavukkarasu and Ms S Thenmozhi, Asst. Professors, Dept. of ECE, attended the AICTE-ISTE sponsored Induction/Refresher Programme on “Feature Analysis using AI/ML” organised by Sri Krishna College of Engineering and Technology, Coimbatore during 19-24 October 2020.



# **EVENTS ORGANIZED**



**@skctdigest**



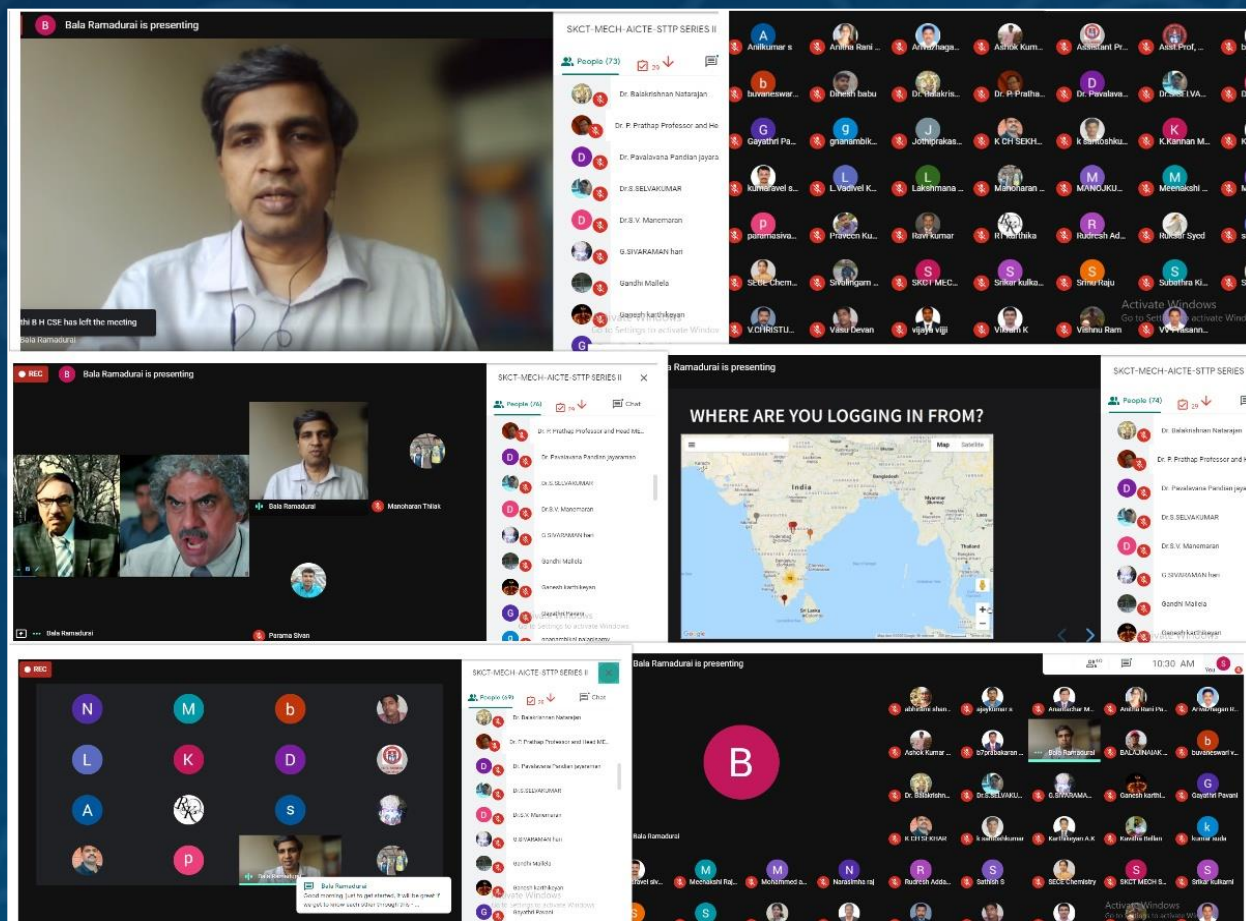
**@skctofficial**



**digestfeedback@skct.edu.in**



# MECH | AICTE SPONSORED STTP SERIES 2 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 on “Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering” facilitated by Dr Bala Ramadurai Adjunct, Professor, Symbiosis Institute of Business Management, Pune on 05 November 2020.



**MECH | AICTE SPONSORED STTP SERIES 2 ON  
ENHANCING RESEARCH AND DEVELOPMENT THROUGH  
PROJECT BASED LEARNING TO ACHIEVE OUTCOME  
BASED EDUCATION IN ENGINEERING**

**Aspects of Entrepreneurship**

**Value Proposition**

The value proposition is the basket of features of the products or services an enterprise offers to its potential customers that defines why the customer...

**Global economy - Estimated relative size (1990 GK Dollars) (%)**

Year	China	India	China India	Britain	Japan	US
00	30.0%	25.0%	55.0%	1.0%	3.0%	N/A
05	24.9%	24.4%	49.3%	1.1%	3.1%	N/A
10	22.3%	24.5%	46.8%	2.9%	4.1%	0.1%
15	11.1%	8.8%	19.7%	9.4%	2.8%	15.8%
20	7.5%	6.4%	13.9%	6.7%	3.5%	21.8%
25	3.8%	4.1%	7.9%	6.4%	3.0%	26.8%
30	4.2%	3.1%	7.3%	4.0%	6.7%	20.4%
35	5.5%	3.7%	9.2%	3.2%	7.8%	19.4%
40	9.1%	5.2%	14.3%	3.3%	7.1%	22.2%
45	11.1%	6.0%	16.1%	2.6%	4.8%	17.5%

**Industrial Revolutions**

0th	1st	2nd	3rd	4th
Hand tools, animal-based manufacturing	Mechanization, water power, steam power	Mass production, assembly line, electricity	Computer and automation	Cyber Physical Systems
18th 1770s	1780s	1870s	1980s	Late 20th/Early 21st
Handloom, cotton gin, had been used in India since 1000 and then in other regions	First Cotton Gin was put into operation in 1793.	Gas & Oil, synthetic fabric, glass & fertilizer, telegraph, telephone	Nuclear energy, electronics (PC), biotechnology	Integration of computing, networking, and physical processes

**Myths that we are victim of and the reality**

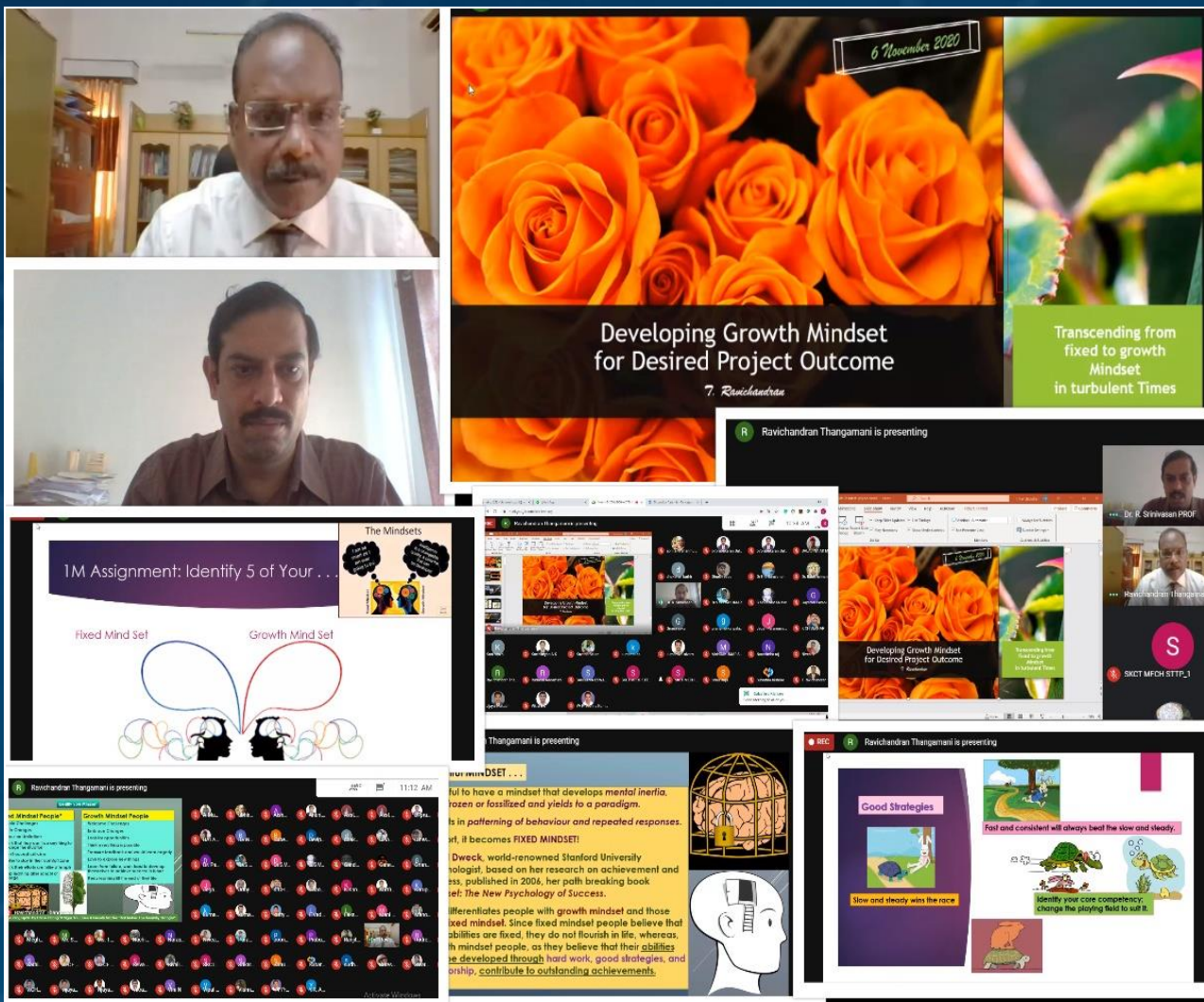
- Myth: Entrepreneurs are born, not made**  
Fact: Dhirubhai Ambani, Narayana Murthy, Sunil Bharti Mittal, Sabir Bhatia, Steve Jobs, John D. Rockefeller, Andrew Carnegie
- Myth: It takes a lot of money to start a business**  
Facts: More than 80 percent of new ventures are bootstrapped.
- Myth: Entrepreneurs are born in business families**  
Entrepreneurship is mostly associated with 'First Generation Entrepreneurs'.
- Myth: Entrepreneurs are extroverts**  
Fact: Blake Masters and Peter Thiel have shown that 10 out of 11 successful entrepreneurs are introvert.

**Socio-Economic Contributions of Entrepreneurs: Multiplication Effect**

The Dept. of Mechanical Engineering organised the AICTE sponsored Six-day STTP on “Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering” facilitated by Dr Manoj Kumar Mondal, Assoc. Professor, IIT Kharagpur on 05 November 2020.

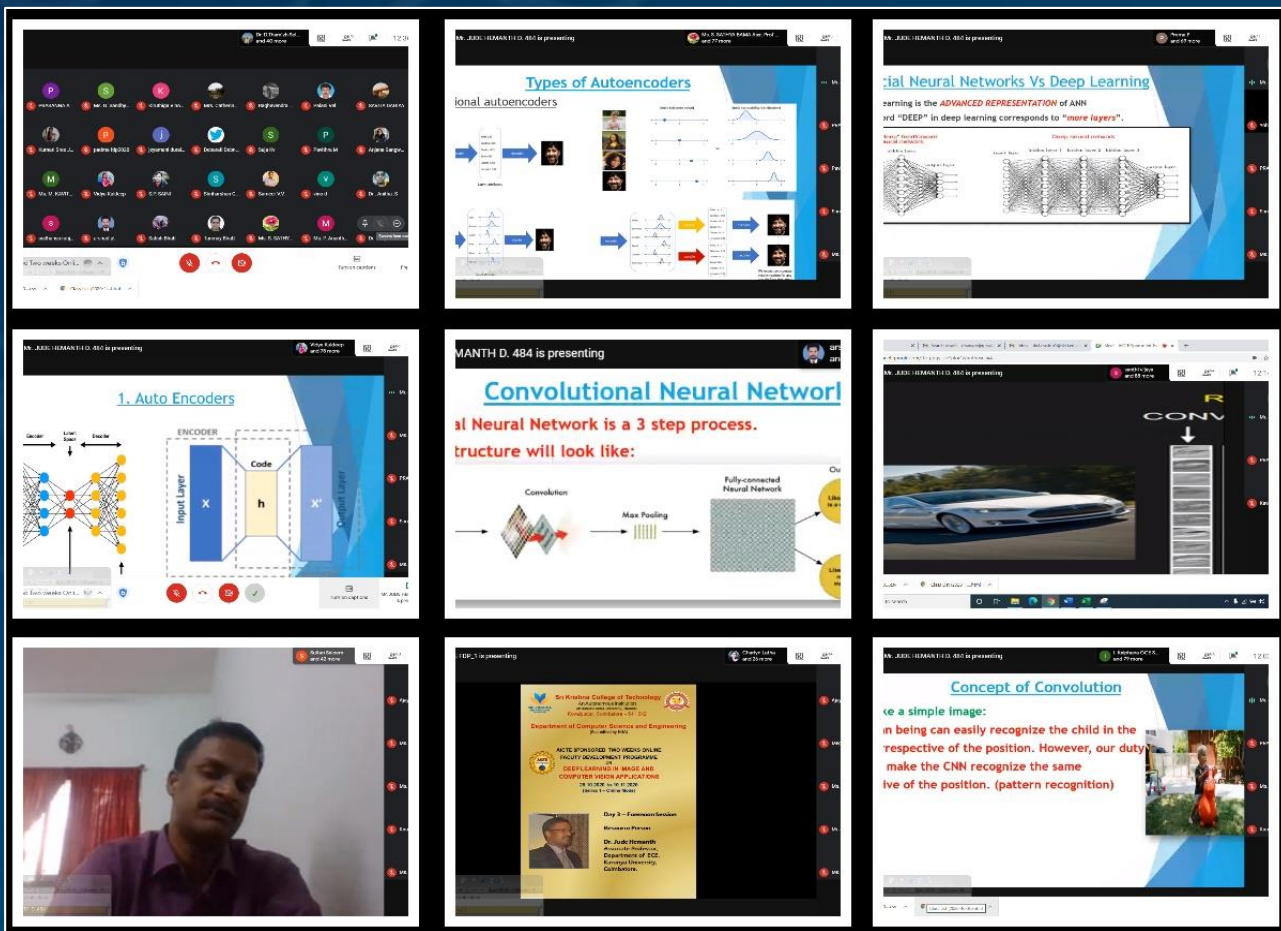


**MECH | AICTE SPONSORED STTP SERIES 2 ON  
ENHANCING RESEARCH AND DEVELOPMENT THROUGH  
PROJECT BASED LEARNING TO ACHIEVE OUTCOME  
BASED EDUCATION IN ENGINEERING**



The Dept. of Mechanical Engineering organised the AICTE sponsored Six-day STTP on “Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering” facilitated by Dr T Ravichandran, Professor, IIT Kanpur on 05 November 2020.

# 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 on “Deep Learning in Image and Computer Vision Applications” during 28 October-10 November 2020. Forenoon Session of 30 October 2020 was handled by Dr Jude Hemanth, Assoc. Professor, Department of ECE, Karunya University, Coimbatore, on the topic “Convolutional Neural Networks (CNNs): Foundational Concepts, Models”.



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

### IMAGE PRE-PROCESSING

**RESULTS: (Qualitative Analysis)**

Sample pre-processed images: (a) Input images, (b) Eroded images, (c) Images after thresholding, (d) Images after connected component analysis, (e) Output images.

```

1. add(Convolution2D(nb_filters, kernel_size[0], kernel_size[1],
border_mode='valid',
input_shape=input_shape))
1. add(Activation('relu'))
1. add(Convolution2D(nb_filters, kernel_size[0], kernel_size[1],
border_mode='valid',
input_shape=input_shape))
1. add(Activation('relu'))
1. add(MaxPooling2D(pool_size=pool_size))
1. add(Dropout(0.25))

1. add(Flatten())
1. add(Dense(512))
1. add(Activation('relu'))
1. add(Dense(512))
1. add(Activation('relu'))
1. add(Dense(nb_classes))
1. add(Activation('softmax'))

compile_model
1. compile(loss='categorical_crossentropy',
optimizer='adam',
metrics=['accuracy'])
    
```

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

**Image Database:**  
<https://github.com/Ime023/covid-chestxray-dataset>, University of Montreal, Canada  
 Total 360 Images; COVID-19 = 295; SARS=16; Pneumonia = 18  
 Includes both CT and X-ray images  
 Image Format: Dicom, Jpeg format, CT = gzip format/Dicom; Dimensions = 224\*224

### Transfer learning

Transfer learning is used to transfer knowledge from a source domain to a target domain.

**Transfer learning**  
 Change the architecture  
 555555

Transfer learning is used to transfer knowledge from a source domain to a target domain.

**Transfer learning**  
 Change the architecture  
 555555

### PROPOSED RESEARCH FLOW

```

graph TD
    A[Real Time Images] --> B[Image Pre-processing  
(Skull Removal)]
    A --> C[Simulated Images]
    B --> D[Image based Feature Extraction]
    C --> E[Fixed based Feature Extraction]
    D --> F[Image Classification]
    E --> F
    F --> G[ANN Approaches]
    G --> H[Performance Analysis]
    G --> I[Conclusion]
    H --> I
    
```

**ANN Approaches:**  
 ANNs: 1. CNN, 2. SVM, 3. SOM  
 Modified ANNs: 1. Modified CPN, 2. Modified SOM 1, 3. Modified SOM 2  
 Fuzzy Approaches: 1. Fuzzy ANNs, 2. Fuzzy ITCM, 3. Modified Fuzzy ITCM 1, 4. Modified Fuzzy ITCM 2

### REAL TIME MR IMAGES

- These images are used for image classification and image segmentation
- The images as a whole are used for image classification and the pixels within a single image are used for image segmentation.
- Sample MR images are:

All these images are gray level images with dimensions in the range of 256\*256

### PROPOSED METHODOLOGY & DATABASE

**Block Diagram**

```

graph TD
    A[Input Image] --> B[Preprocessing]
    B --> C[150x150]
    B --> D[150x150]
    C --> E[Feature Extraction]
    D --> E
    E --> F[Classification]
    
```

Research Laboratory of IIT Delhi.  
 Images were captured under cooperative conditions from around 224 subjects, including 100 normal subjects.

### Block Diagram of Human Emotion Identification

```

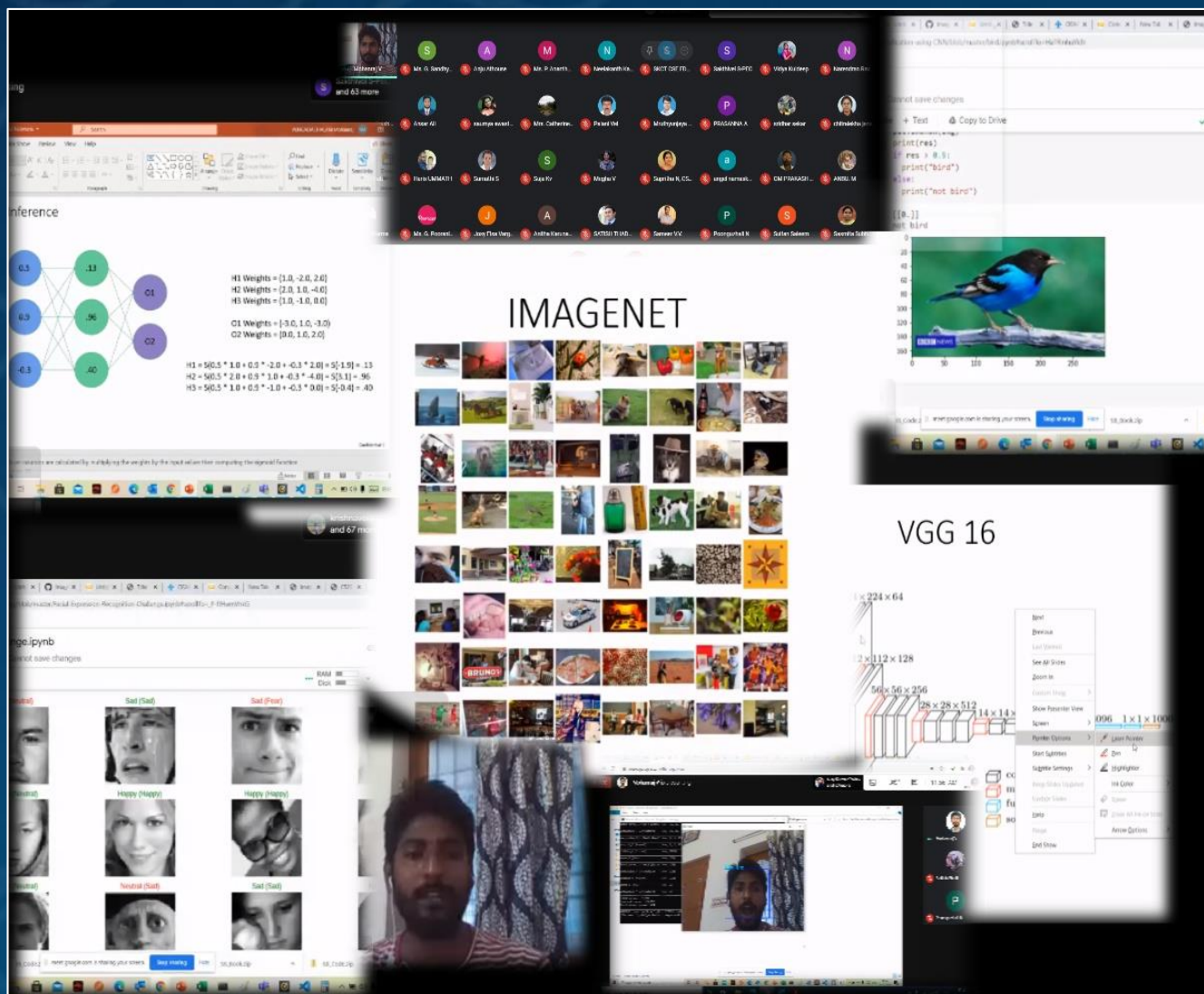
graph TD
    A[Input Images] --> B[Image Pre-processing]
    B --> C[Feature Extraction]
    C --> D[Performance Analysis]
    D --> E[Conclusion]
    
```

Figure 4: Sample images from CK+ database for seven emotions

The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on “Deep Learning in Image and Computer Vision Applications” facilitated by Dr Jude Hemanth, Assoc. Professor, Dept. of ECE, Karunya University, Coimbatore during 30 October 2020.

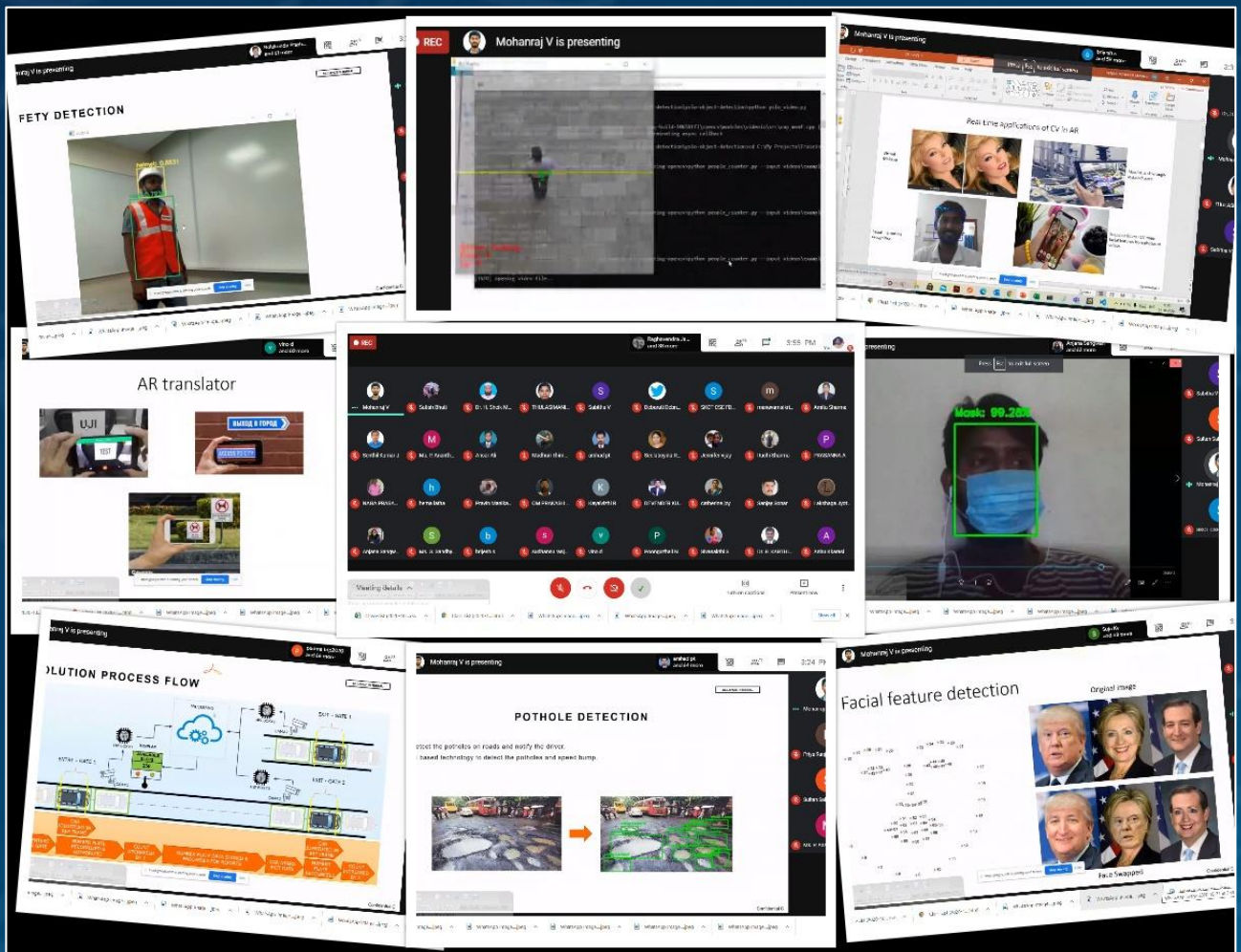


# CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS



The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on “**Deep Learning in Image and Computer Vision Applications**” facilitated by Dr Mohanraj Vengadachalam, Data Scientist, Renault-Nissan-Mitsubishi on 31 October 2020.

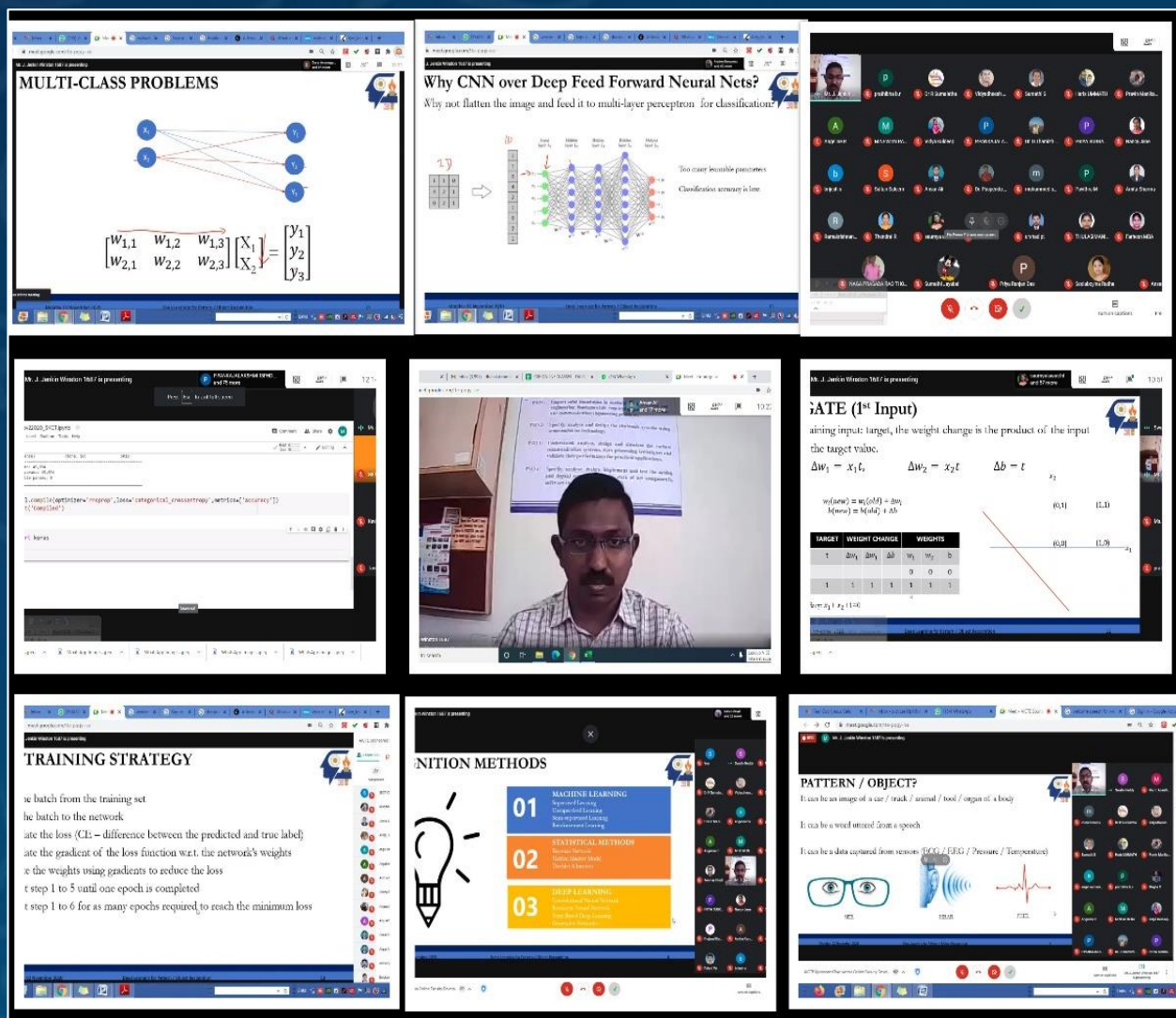
## CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS



The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on **“Deep Learning in Image and Computer Vision Applications”** facilitated by **Afternoon Session of 31 October 2020** was handled by Dr Mohanraj Vengadachalam, Data Scientist, Renault-Nissan-Mitsubishi, on the topic **“Deep Learning - Industrial Use Cases”**.



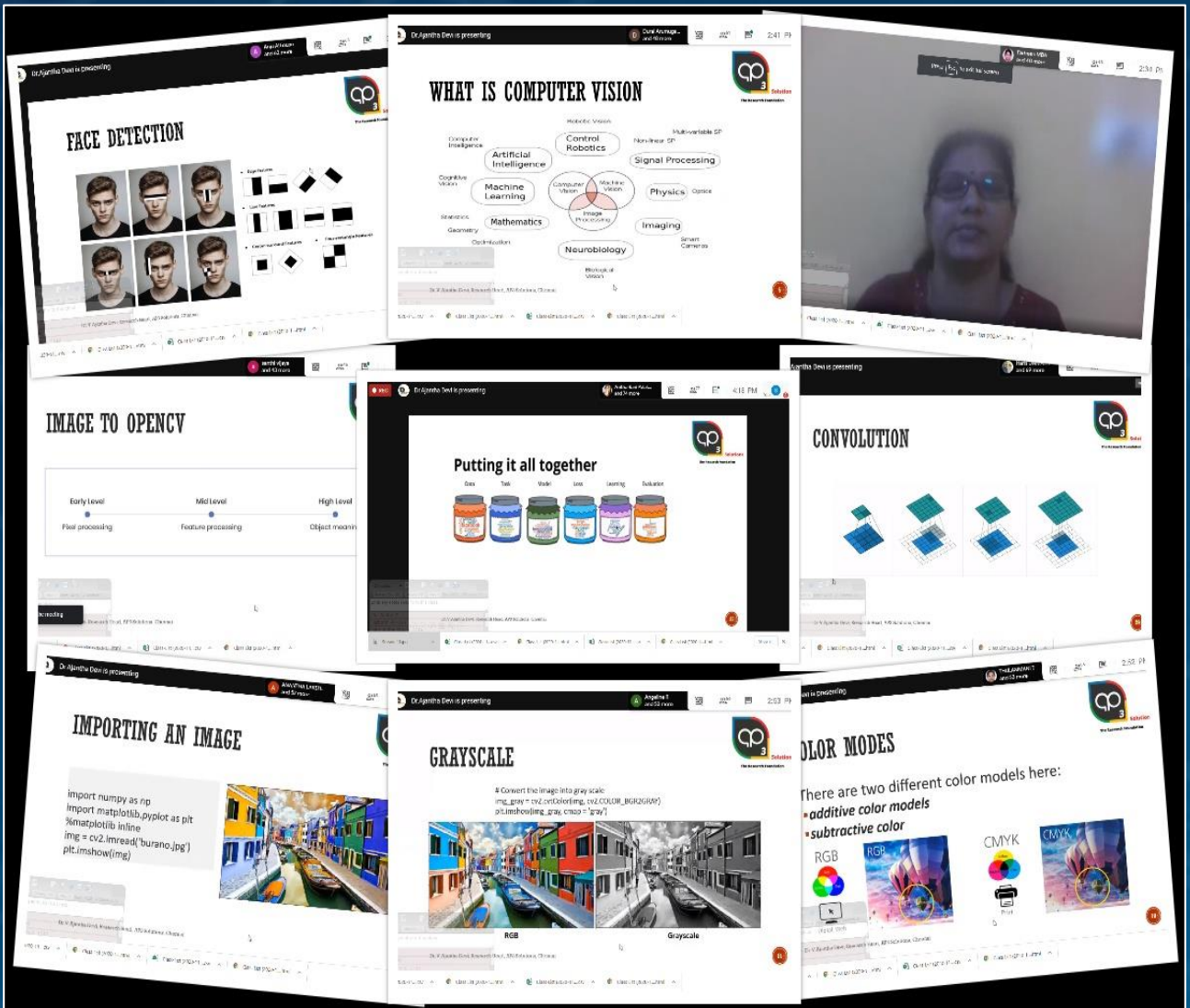
# CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS



The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on “Deep Learning in Image and Computer Vision Applications” facilitated by Dr J Jenkin Winston, Asst. Professor, Dept. of ECE, Karunya University, Coimbatore on 02 November 2020.

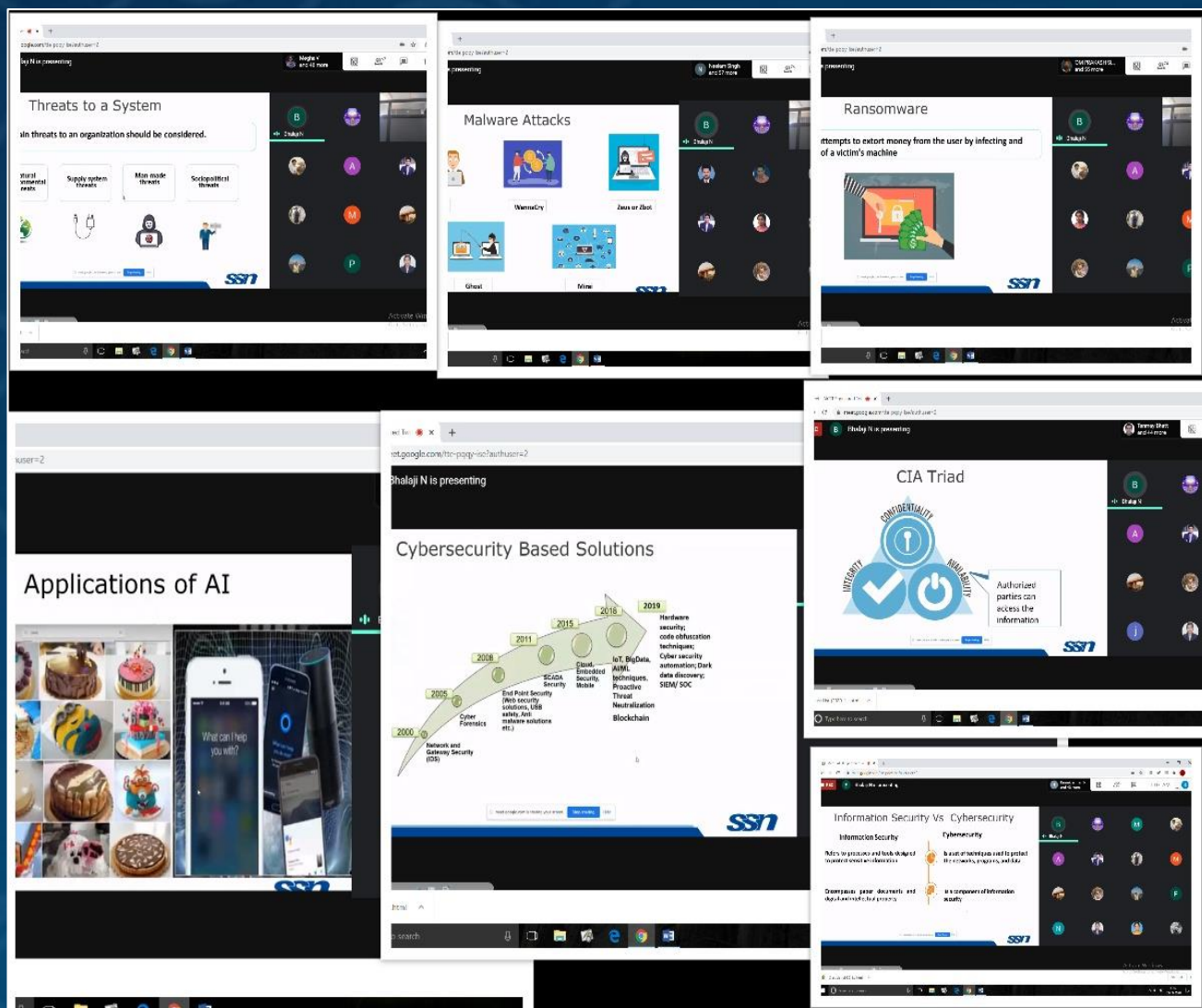


# CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS



The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on “**Deep Learning in Image and Computer Vision Applications**” facilitated by Dr Ajantha Devi, Research Head, AP3 Solutions, Chennai on 02 November 2020.

# 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 on “**Deep Learning in Image and Computer Vision Applications**” facilitated by Dr N Bhalaji, Assoc. Professor, Dept. of IT, SSN College of Engineering, Chennai on 03 November 2020.



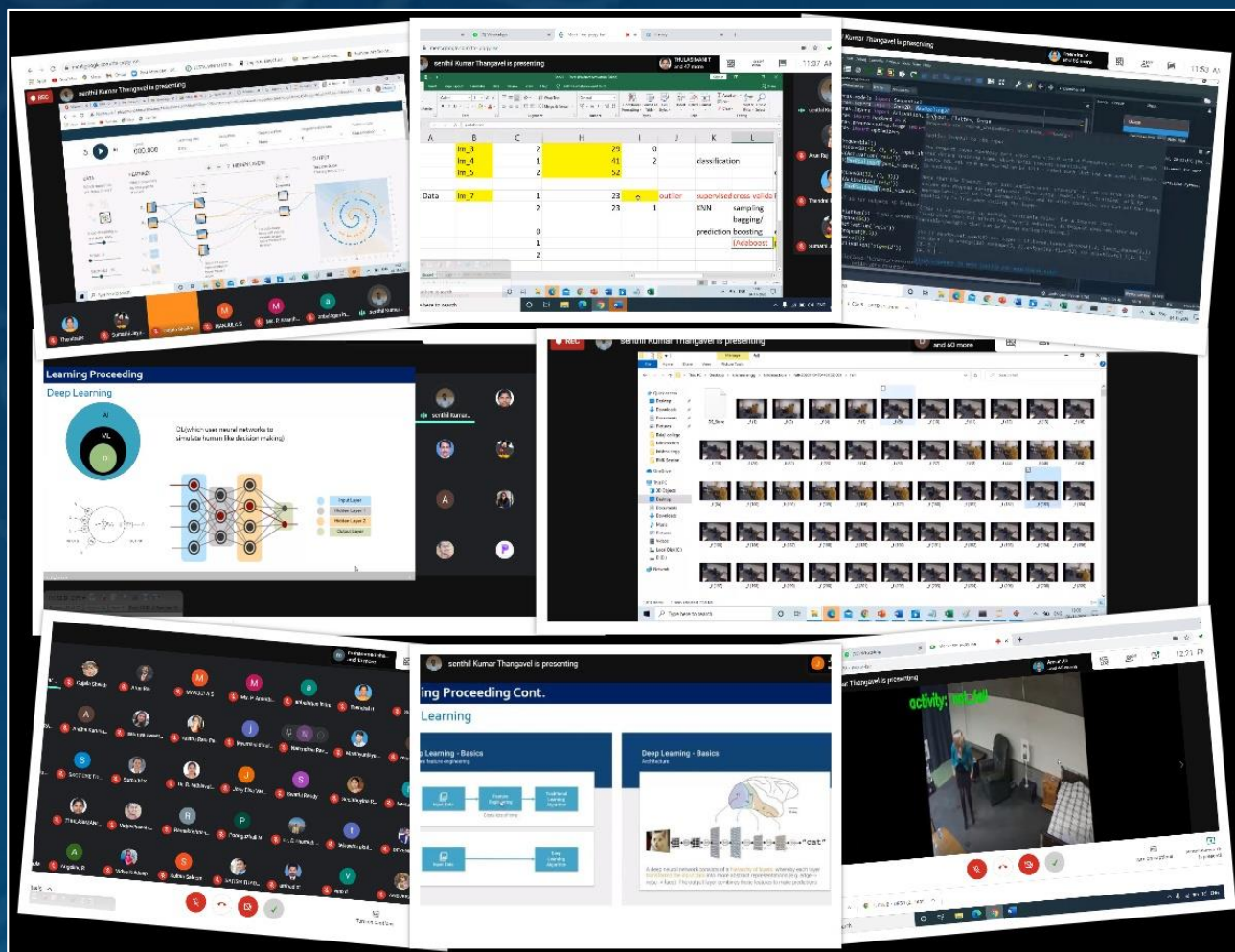
## CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS



The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on “**Deep Learning in Image and Computer Vision Applications**” facilitated by Mr V Senthilkumar, AI Innovation Head - Hitech CTO Engineering Team, TCS Innovation Labs, Bangalore on 03 November 2020.

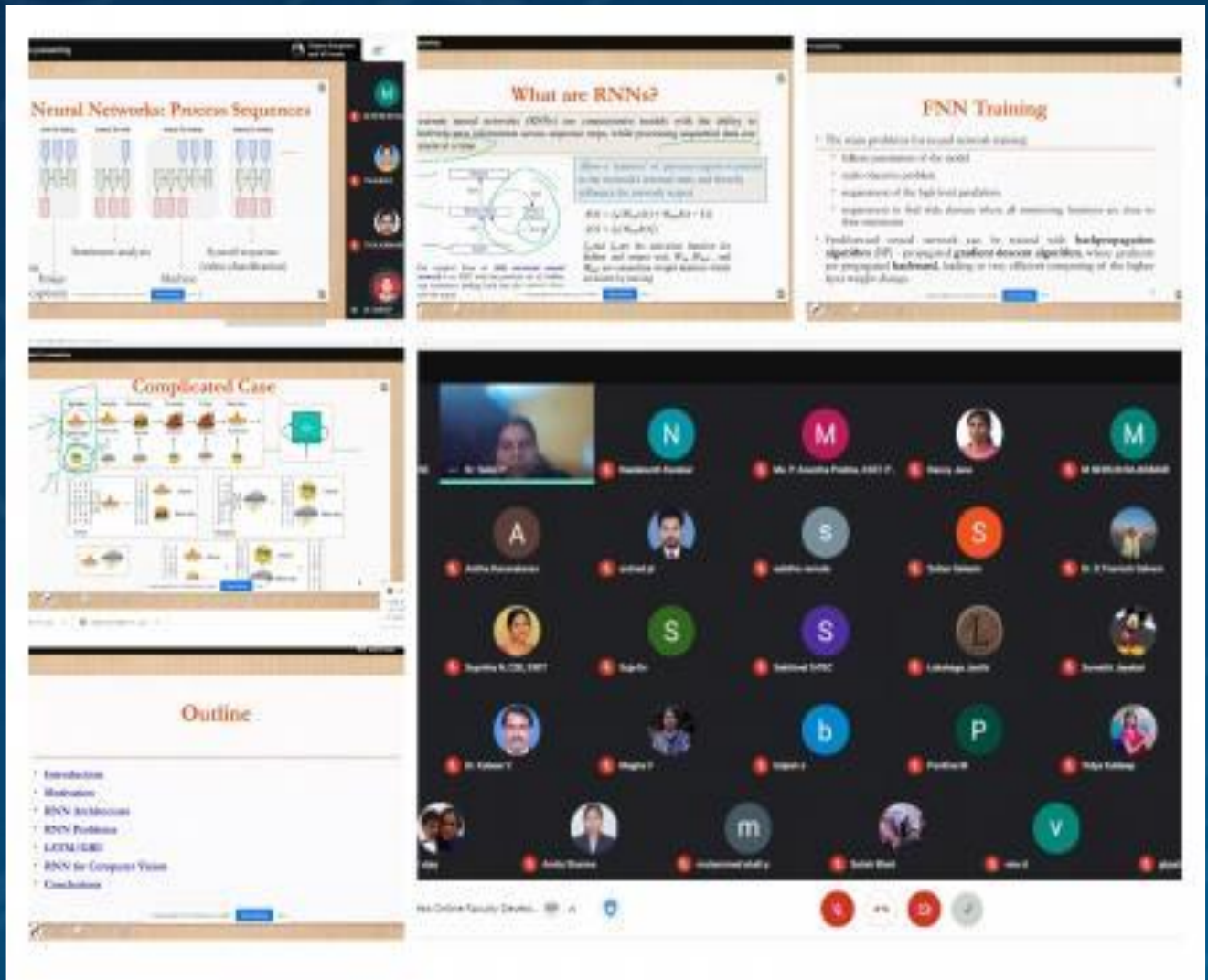


## CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS



The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on “**Deep Learning in Image and Computer Vision Applications**” facilitated by Dr T Senthil Kumar, Associate Professor, CSE, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore on 04 November 2020.

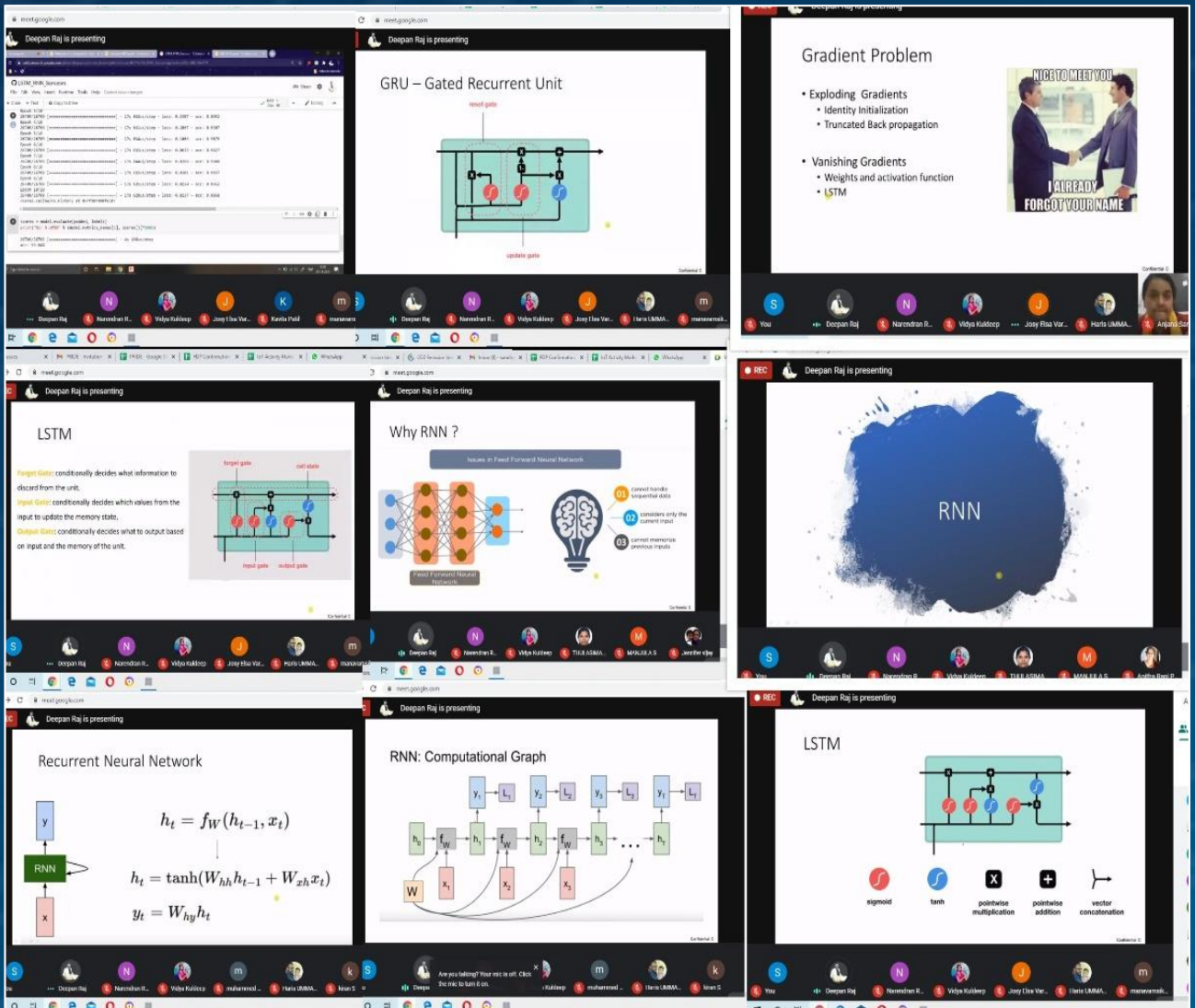
**CSE | AICTE SPONSORED FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS**



The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on “**Deep Learning in Image and Computer Vision Applications**” facilitated by Dr P Salini, Assoc. Professor, Dept. of CSE, Pondicherry Engineering College on 04 November 2020.



# 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 on “Deep Learning in Image and Computer Vision Applications” facilitated by Mr M Deepan Raj, Embedded Software Engineer, Visteon, Chennai on 05 November 2020.





## SoM | AICTE SPONSORED PHASE 2 - SIX DAYS STTP ON “OUTCOME BASED CURRICULUM PLANNING, MAPPING AND MEASUREMENT”

**AICTE Sponsored STTP (Series II) – Outcome Based Curriculum Planning, Mapping and Measurement**

**Day 1: Session 1**

**Resource Person:**  
Dr.K.Sundararaman  
CEO  
Sri Krishna Institutions  
Coimbatore

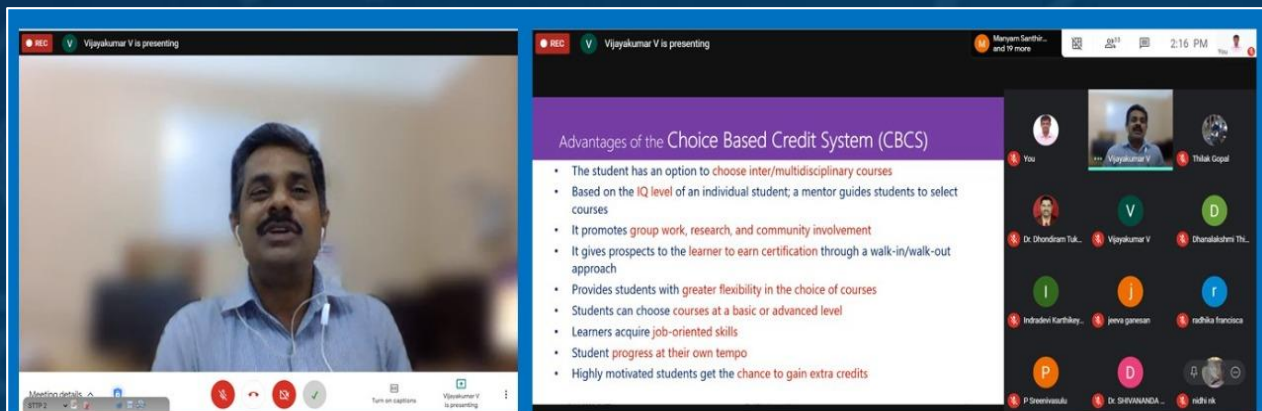
**OBE Result Analysis**

- Individual student report in graphical representation
- Percentage calculation for your reference.
- Ex : Remembrance taxonomy verb call it as R.
  - 1 mark question = R
  - 5 mark question = R
  - 8 mark question = R
  - Total marks = 14.
- If student has got 10 marks,
  - =  $10/14 \times 100$
  - = 71.42 %

The School of Management organised the AICTE Sponsored Phase 2 - Six-day online STTP on “**Outcome Based Curriculum Planning, Mapping and Measurement**” facilitated by Dr K Sundararaman, Chief Executive Officer, Sri Krishna Institutions, Coimbatore on 02 November 2020.



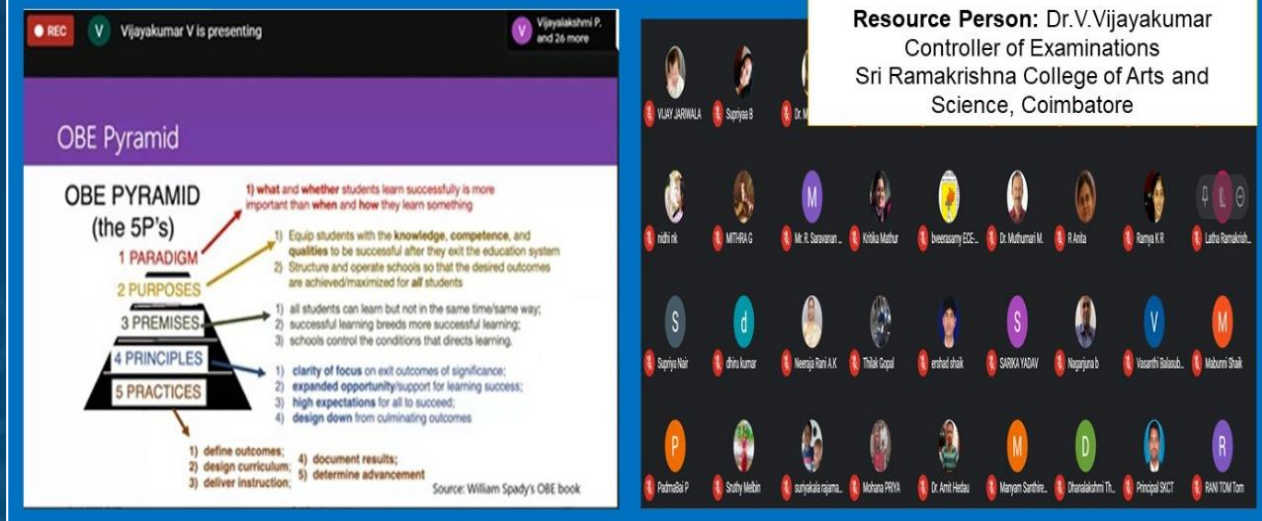
# SoM | AICTE SPONSORED PHASE 2 - SIX DAY STTP ON OUTCOME BASED CURRICULUM PLANNING, MAPPING AND MEASUREMENT



## AICTE Sponsored STTP (Series II) – Outcome Based Curriculum Planning, Mapping and Measurement

## Day 1: Session 2 Topic: OBE – Curriculum Planning

**Resource Person:** Dr.V.Vijayakumar  
Controller of Examinations  
Sri Ramakrishna College of Arts and  
Science, Coimbatore



The School of Management organised the AICTE Sponsored Phase 2 - Six-day online STTP on “**Outcome Based Curriculum Planning, Mapping and Measurement**” facilitated by Dr V Vijayakumar, Professor and Controller of Examination, Sri Ramakrishna College of Arts and Science, Coimbatore during 02-03 November 2020.





# SoM | AICTE SPONSORED PHASE 2 - SIX DAYS STTP ON “OUTCOME BASED CURRICULUM PLANNING, MAPPING AND MEASUREMENT”

**AICTE SPONSORED SHORT TERM TRAINING PROGRAMME (STTP-II)**  
ORGANISED BY SCHOOL OF MANAGEMENT  
SRI KRISHNA COLLEGE OF TECHNOLOGY, COIMBATORE

**Hands on Learning Practice Bloom's Taxonomy CO- PO Mapping**

**Dr. K. Veerakumar**  
M.Com, M.Phil., MBA, M.Phil., MA-YHE, M.Lisc., PGDCA, Ph.D.  
Head- Department Of Business Administration  
NGM College (AUTONOMOUS), Pollachi  
Mob : 99429-29266

**OUTCOMES IN OBE**

- Programme Educational Objective (PEO) - Expected achievements of graduates in their career and professional life after graduation ( after 3-5 years of graduation)
- Programme Outcomes(PO) – Desirable graduate attributes at the time of graduation
- Course Outcomes (CO) – Skills learnt by the student at the end of each course

**Day 3: Session 1**  
**Topic: OBE – Blooms Taxonomy - CO-PO Mapping**

**Resource Person: Dr.K.Veerakumar**  
Head, Department of Business Administration  
NGM College, Pollachi

**Keys of OBE System (William G. Spady)**

- Developing a clear set of learning outcomes.
- Establishing the conditions and opportunities.
- Learners do important things with what they know
- Defined in Terms of Actual Competencies

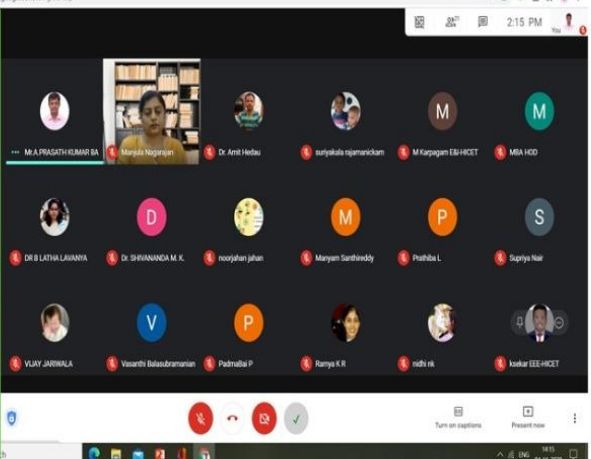
The diagram shows a cycle: Outcomes (K1, K2, K3) -> Teaching and Learning Process (Course Syllabus, Pedagogy, Learning Process, Assessment) -> OBE (PLAN, DO, CHECK, ACT) -> Outcomes. Below the diagram are boxes for 'Learning outcomes', 'Learning activities', 'Learning assessment', 'Improvement', and 'Assessment'.

The School of Management organised the AICTE Sponsored Phase 2 - Six-day online STTP on “**Outcome Based Curriculum Planning, Mapping and Measurement**” facilitated by Dr K Veerakumar, Assoc. Professor and Head, Dept. of Business Administration, NGM College, Pollachi on 04 November 2020.



# SoM | AICTE SPONSORED PHASE 2 - SIX DAYS STTP ON "OUTCOME BASED CURRICULUM PLANNING, MAPPING AND MEASUREMENT"

AICTE Sponsored STTP (Series II) - Outcome Based Curriculum Planning, Mapping and Measurement

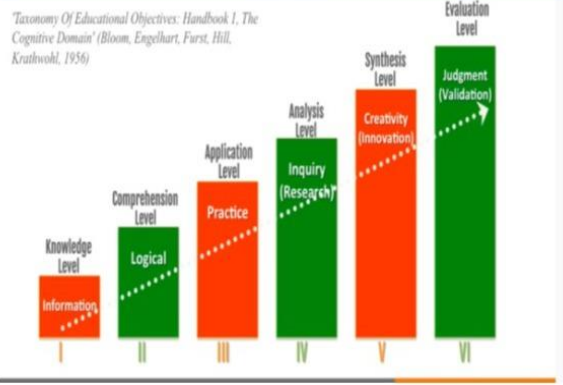


**Day 3: Session 2**  
**Topic: Mapping of Learning Outcomes**

**Resource Person: Dr.N.Manjula**  
Associate Professor  
Chairperson – Admission  
Thiagarajar School of Management  
Madurai

Every Course leads to some outcomes . All the courses must cover the stated list of outcomes. One way of verifyin this is to prepare a match matrix as shown below :

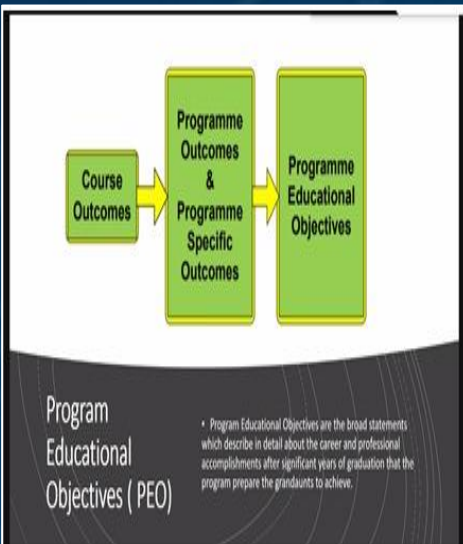
Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7
E3111							
CO1	3*	2*					
CO2				3*			
CO3			2*			1*	
CO4							
		2*			3*		2*



The School of Management organised the AICTE Sponsored Phase 2 - Six-day online STTP on "Outcome Based Curriculum Planning, Mapping and Measurement" facilitated by Dr N Manjula, Assoc. Professor, Chairperson – Admission, Thiagarajar School of Management, Madurai during 04-05 November 2020.



# SoM | AICTE SPONSORED PHASE 2 - SIX DAYS STTP ON "OUTCOME BASED CURRICULUM PLANNING, MAPPING AND MEASUREMENT"



All the courses together must cover all the Pos

The various correlation levels are:

- "1" – Slight (Low) Correlation
- "2" – Moderate (Medium) Correlation
- "3" – Substantial (High) Correlation
- "," indicates there is no correlation

Course Outcomes are the statements that declare what students should be able to do at the end of a course. POs are defined by Accreditation Agencies of the country (NBA in India), which are the statements about the knowledge, skills and attitudes

A Sample PO-CO Mapping

Course Outcome EDC(1804PC01)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H											
CO2		H	H									
CO3			H	H								
CO4					H	S			M	M		M

Course Outcome EDC(1804PC01)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3											
CO2		3	3									
CO3			3	3								
CO4				3	1			2	2			2
Average CO(EDC)	3	3	3	3	1			2	2			2

**COURSE OUTCOME STATEMENT Course Outcomes (COs):**

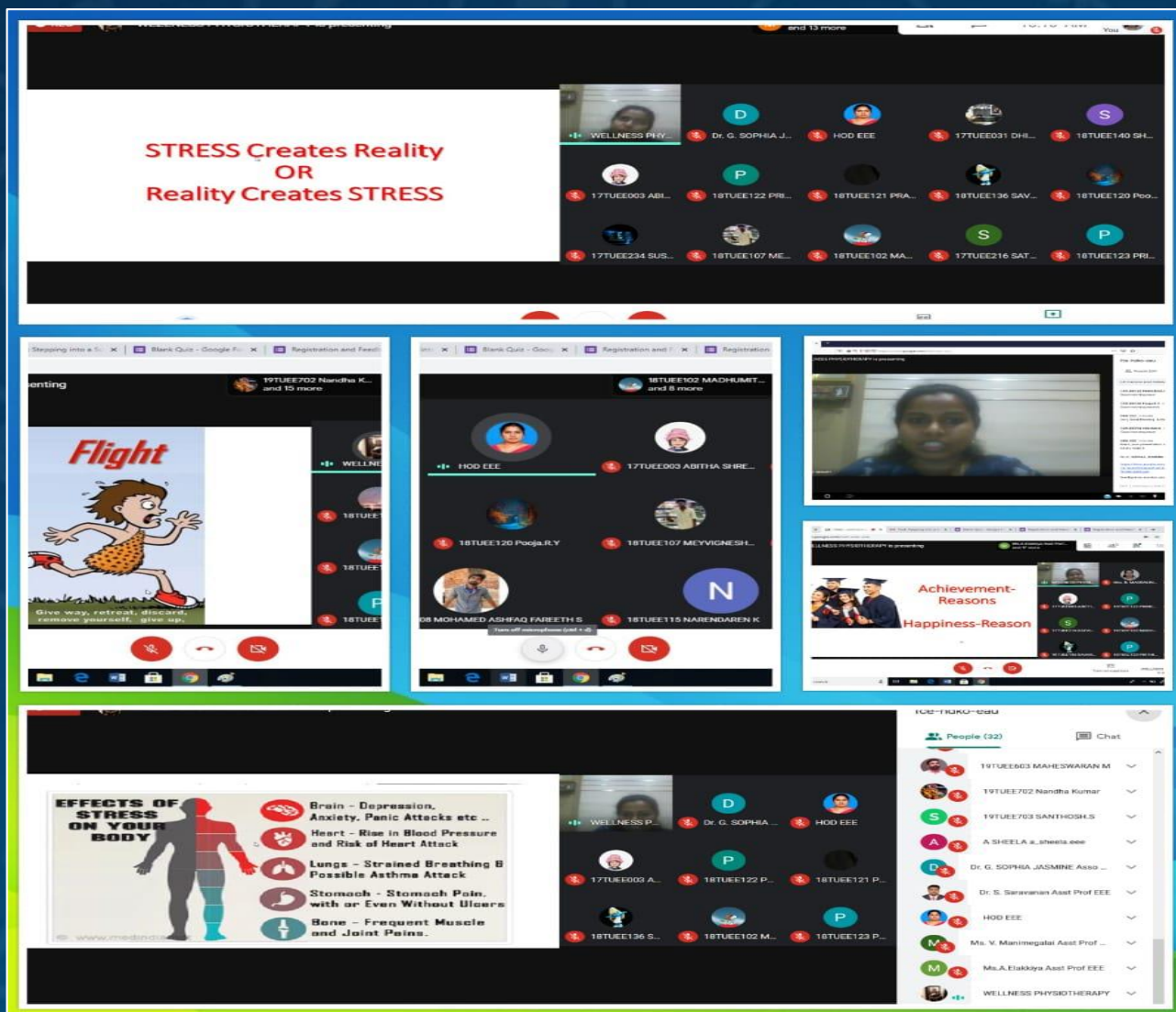
Statements indicating what a student can do after the successful completion of a course. Every Course leads to some Course Outcomes. The CO statements are defined by considering the course content covered in each module of a course. For every course there may be 5 or 6 COs. The keywords used to define COs are based on Bloom's Taxonomy.

Assessment Methods	Attainment Levels	
Internal Assessment	Level 1	60% of students scoring more than 40% marks in internal assessment tools
	Level 2	70% of students scoring more than 40% marks in internal assessment tools
	Level 3	75% of students scoring more than 40% marks in internal assessment tools

Assessment Methods	Attainment Levels	
University (External) Assessment	Level 1	60% of students scoring more than 40% marks in internal assessment tools
	Level 2	70% of students scoring more than 40% marks in internal assessment tools
	Level 3	75% of students scoring more than 40% marks in internal assessment tools

The School of Management organised the AICTE Sponsored Phase 2 - Six-day online STTP on "Outcome Based Curriculum Planning, Mapping and Measurement". Dr.N.Manjula, Associate Professor, Chairperson - Admission , Thiagarajar School of Management, Madurai, Facilitated the first session on 05.11.2020

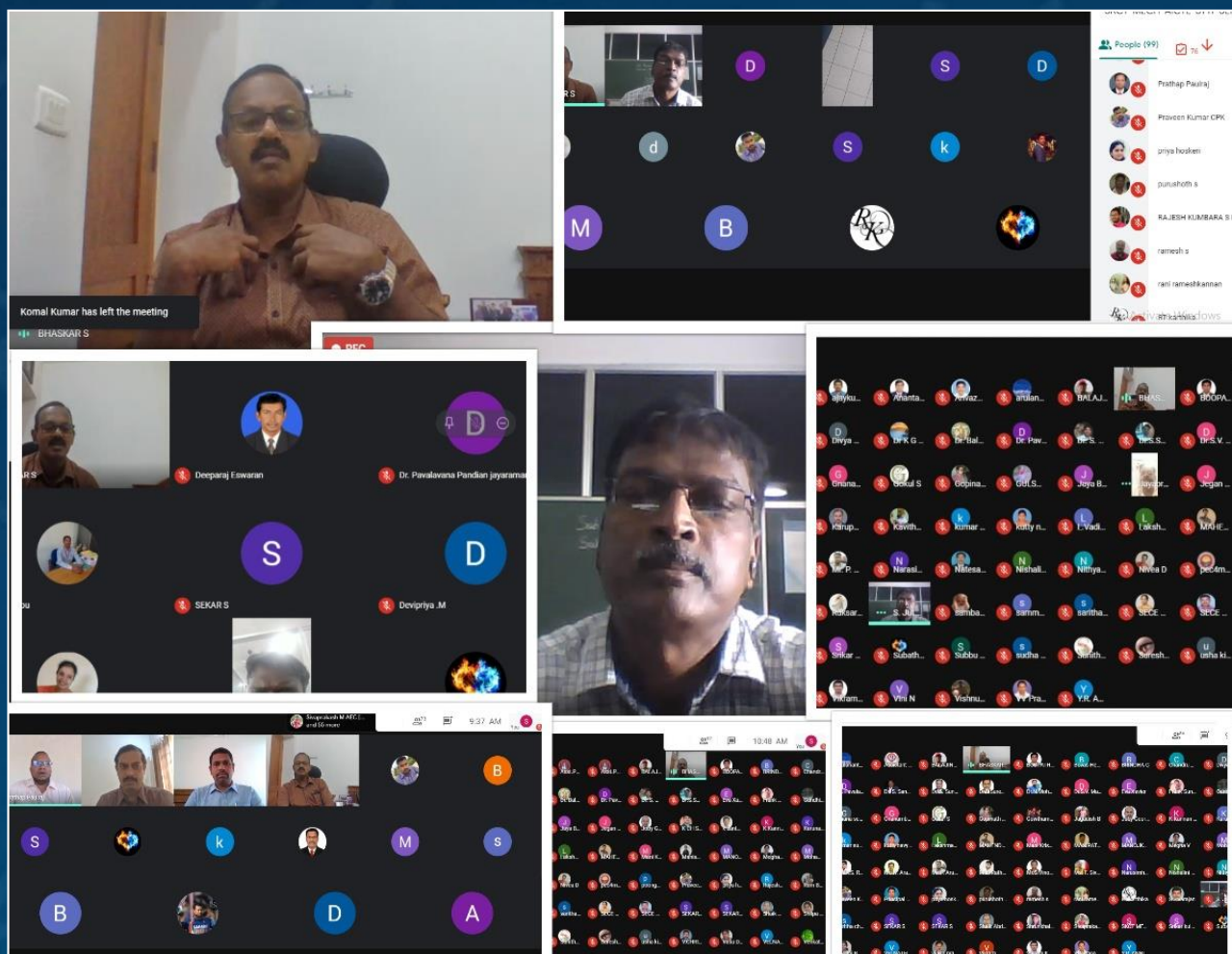
## EEE | WEBINAR ORGANIZED



The Dept. of EEE organised a webinar on “**Occupational Ergonomics and Stress Management**” facilitated by Dr R Kalaivani, PT, Managing Director, Wellness Physiotherapy and Fitness Clinic, Coimbatore. Dr G Sophia Jasmine, Assoc. Professor and Ms D Magdalin Mary, Asst. Professor, coordinated the event on 31 October 2020.



## MECH | AICTE SPONSORED STTP SERIES 2 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 program on “Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering” facilitated by Dr S Baskar, Head – Office of PG Studies, KCT, Coimbatore on 02 November 2020.



**MECH | AICTE SPONSORED STTP SERIES 2 ON  
ENHANCING RESEARCH AND DEVELOPMENT THROUGH  
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The Dept. of Mechanical Engineering organised the AICTE sponsored Six-day STTP program on “Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering” facilitated by Dr R Senthil, Assoc. Professor, SRM, Chennai on 03 November 2020.

## MECH | AICTE SPONSORED STTP SERIES 2 ON ENHANCING RESEARCH AND DEVELOPMENT THROUGH PROJECT BASED LEARNING TO ACHIEVE OUTCOME BASED EDUCATION IN ENGINEERING

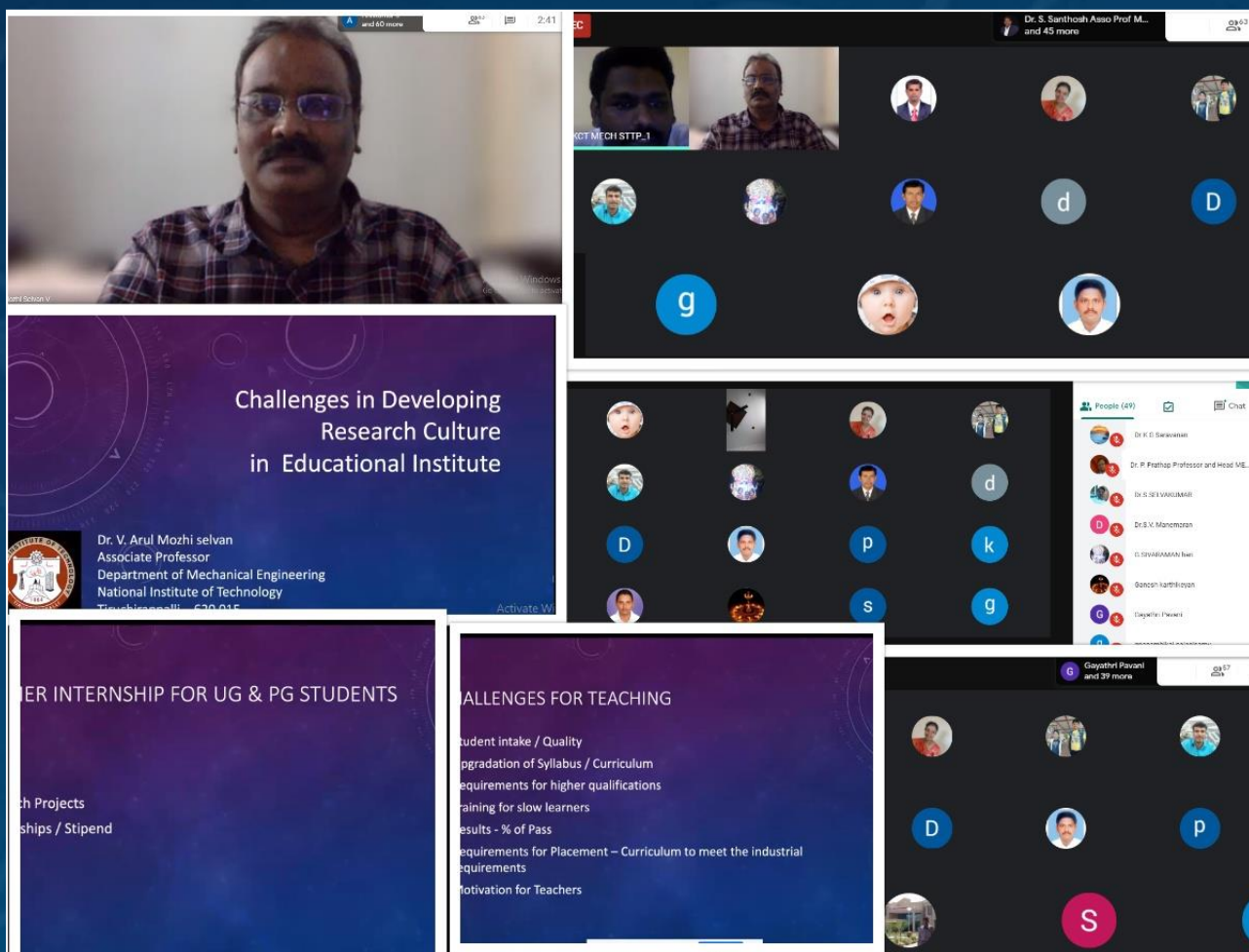
The image is a collage of screenshots from a Zoom meeting. The top left shows a grid of participants. The top right is a close-up of Dr. Kapil Kadam. The middle left shows a slide titled "ICT in Education" with buttons for "Quiz", "Video", "CRM App", "Blog", "Create", "Disseminate", "Store", and "Manage". The middle right shows a slide titled "Activity (5 min)" with the question "Are there any ICT tools used in the given scenario?" and instructions to list tools and post responses in the chat. The bottom left shows a slide with a video of a bowling ball and a feather falling together, with the text "LO: Student should be able to predict the outcome of a phenomena Dropping a bowling ball and a feather together, in a chamber." The bottom right shows a slide with a table for "Predict Phase", "Observe Phase", and "Explain Phase".

Predict Phase	Observe Phase	Explain Phase
TEACHER: •Ask students to make prediction: "What will	TEACHER: •Shows rest of viz, which has result	TEACHER: •Facilitate class discussion on the 'why' behind the

The Dept. of Mechanical Engineering organised the AICTE sponsored Six-day STTP program on **“Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering”** facilitated by Dr Kapil Kadam, Educational Consultant on 04 November 2020.



## MECH | AICTE SPONSORED STTP SERIES 2 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 program on “**Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering**” facilitated by Dr V Arul Mozhi Selvan, Assoc. Professor, NIT, Trichy on 04 November 2020.

## ECE | WEBINAR ORGANIZED | KEY AREAS IN JAVA PROGRAMMING

The screenshot displays a Zoom meeting interface. At the top, it says "Nandhini Suresh is presenting". The main content area is split into two parts: on the left, a code editor showing Java code for a class named 'Car' with methods like 'start()', 'stop()', 'accelerate()', and 'brake()'; on the right, a grid of participant avatars, many of which are red with a white 'X', indicating they are muted. At the bottom, a meeting details panel is visible, showing the meeting title "Key Areas in Java Programming" and a list of 57 participants, including Ms. S. Thenmozhi, A. Jay Gautham, and others.

The Dept. of ECE organised a webinar on “**Key Areas in JAVA Programming**” facilitated by Ms Nandhini Arunachalam, Engineer, Royal Bank of Canada, Montreal, Canada. Dr K Sumathi, Professor, Dr Senoj Joseph, Assoc. Professor and Ms S Thenmozhi, Asst. Professor, Dept. of ECE, coordinated the event on 31 October 2020.



# **MEETINGS & DISCUSSIONS**



**@skctdigest**



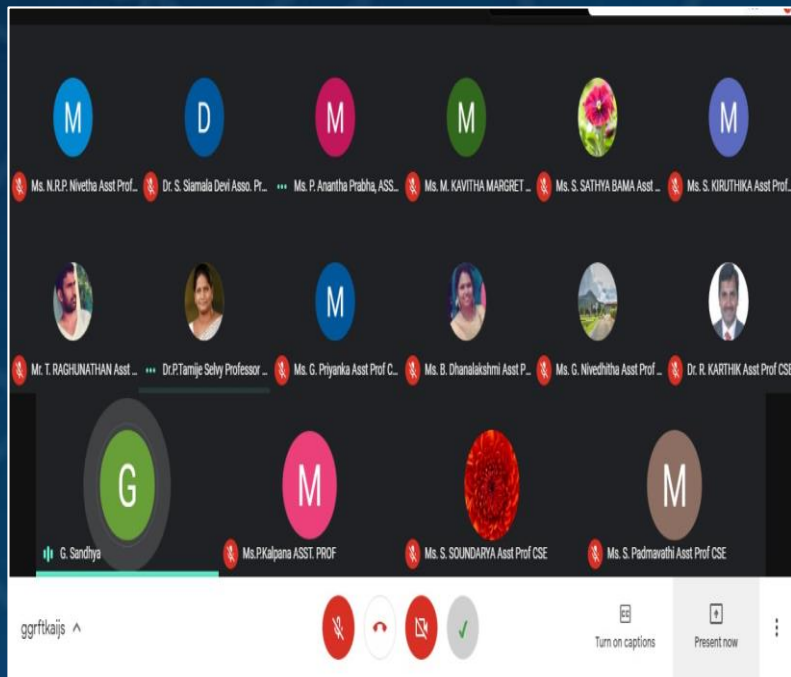
**@skctofficial**



**digestfeedback@skct.edu.in**



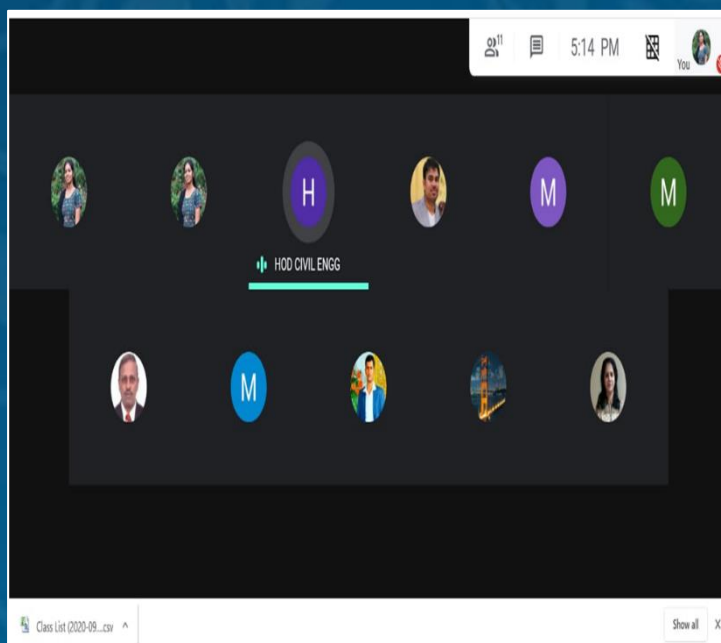
## CSE | DEPARTMENT MEETING



Dr P Tamije Selvy, Professor, Dept. of CSE, conducted a meeting with the Members of Faculty regarding the Academic Activities and Placement Progress on 04 November 2020.

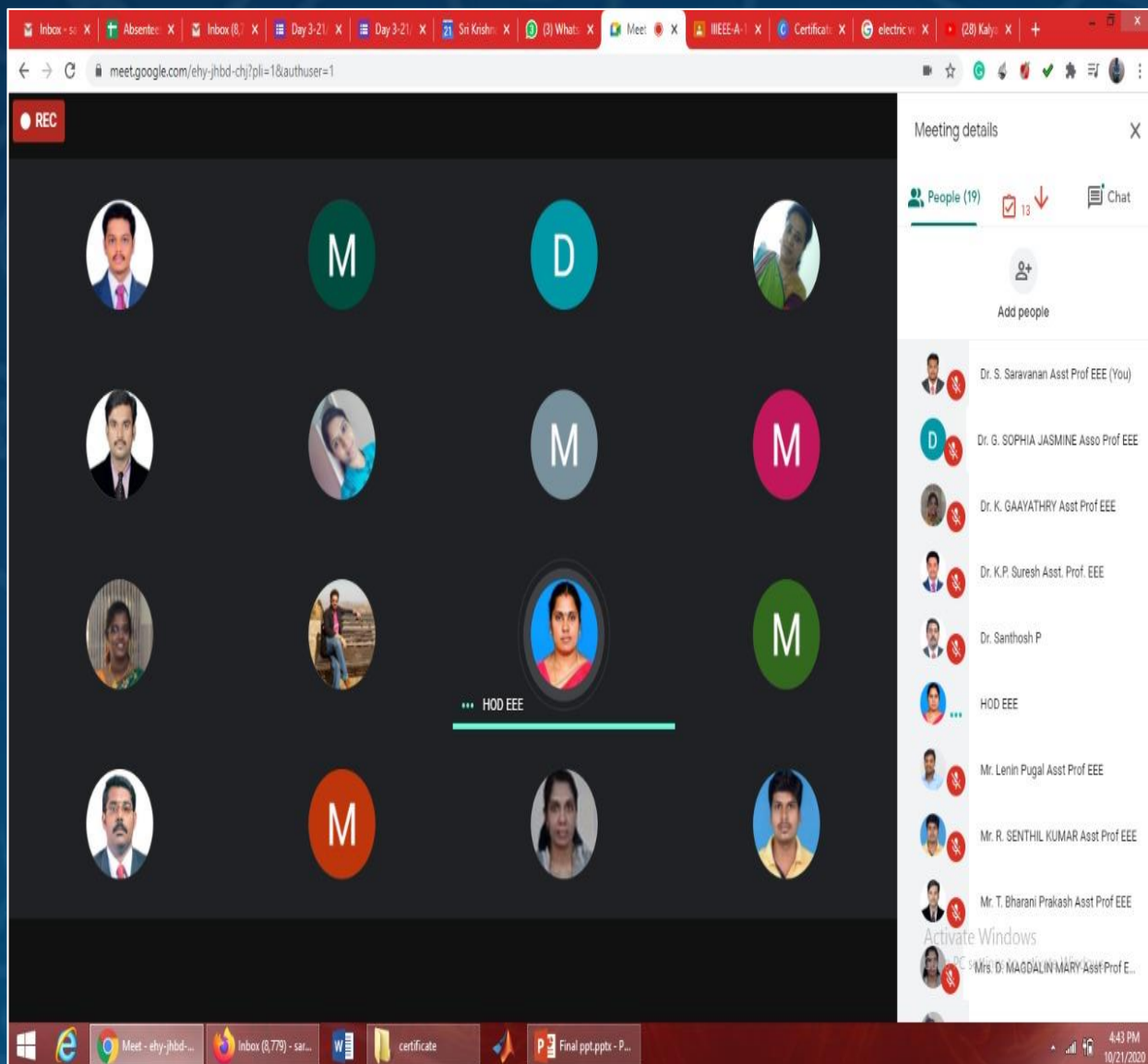
## CIVIL | DEPARTMENT MEETING

Dr I Padmanaban, Professor and Head, Dept. of Civil Engineering, conducted a meeting with the Members of Faculty regarding the Lab Experiment and Research Work on 04 November 2020.



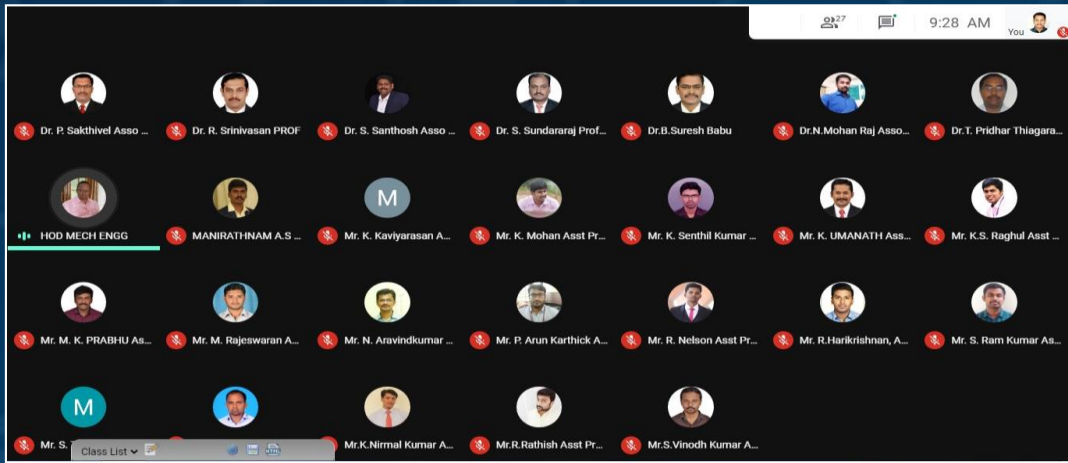


## EEE | DEPARTMENT MEETING



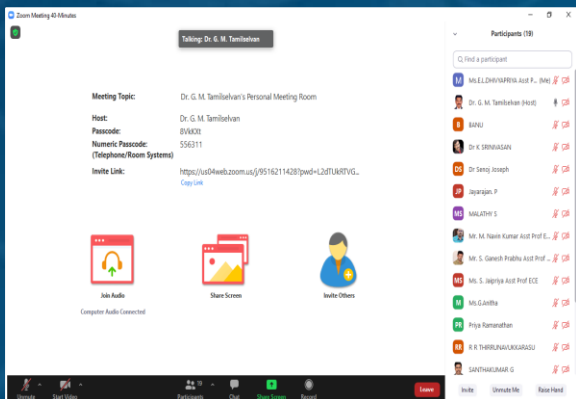
Dr K Lakshmi, Professor and Head, Dept. of EEE, conducted a meeting with the Members of Faculty regarding the Progress of First Year Orientation, R&D Activities, Placement and Academic Activities on 03 November 2020.

## MECH | DEPARTMENT MEETING



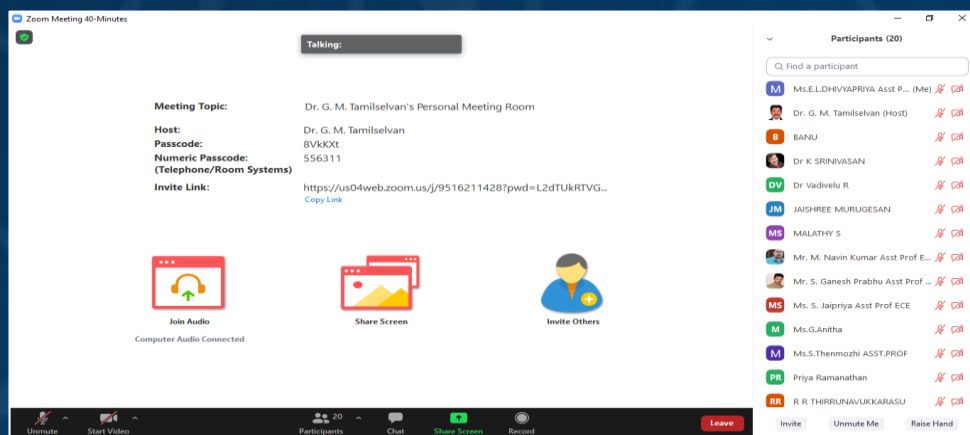
Dr P Prathap, Professor and Head, Dept. of Mechanical Engineering, conducted a meeting with the Members of Faculty on 03 November 2020.

## ECE | DEPARTMENT MEETING



Dr G M Tamilselvan, Professor and Head, Dept. of ECE, conducted a meeting with the Members of Faculty regarding the Revision Classes, Placement Activities and Research Activities on 02 November 2020.

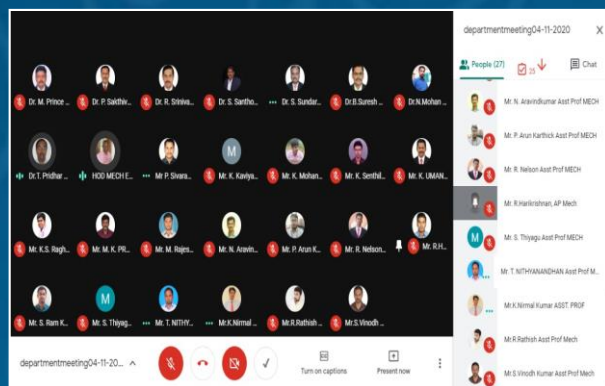
## ECE | DEPARTMENT MEETING



Dr G M Tamilselvan, Professor and Head, Dept. of ECE, conducted a meeting with the Members of Faculty regarding Online Laboratory Sessions and Placement Activities on 04 November 2020.

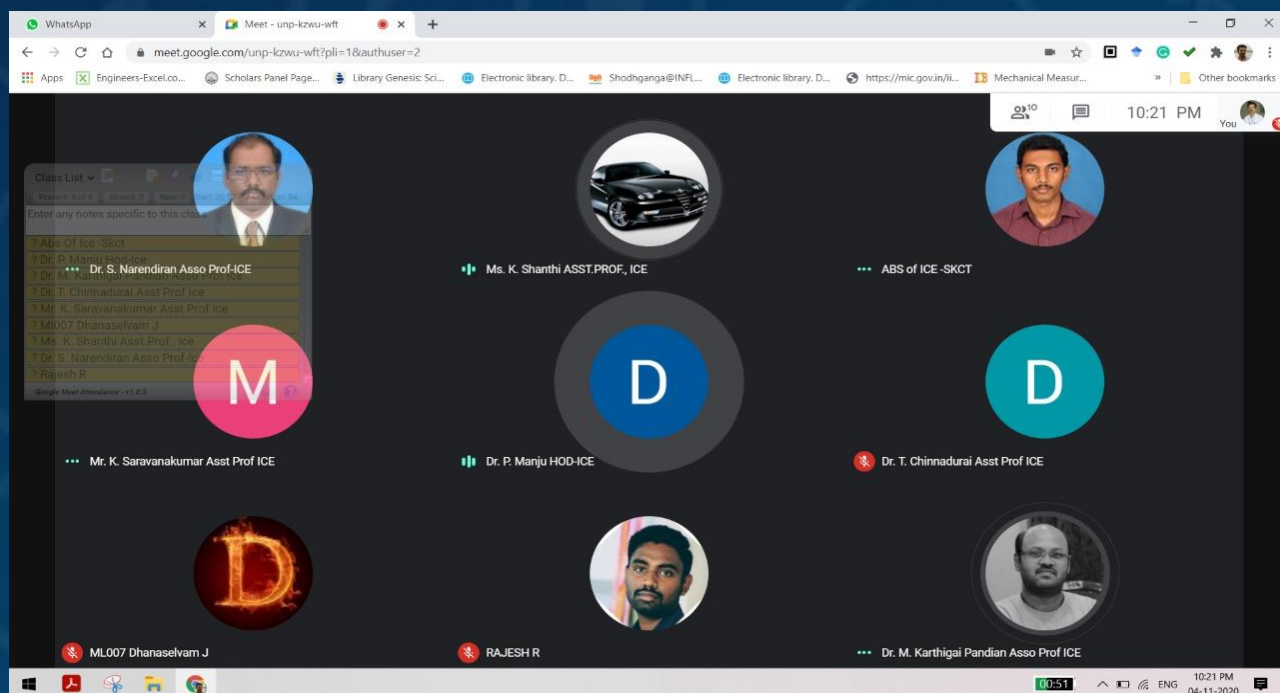
## MECH | DEPARTMENT MEETING

Dr P Prathap, Professor and Head, Dept. of Mechanical Engineering, conducted a meeting with the Members of Faculty on 04 November 2020.





## ICE | DEPARTMENT MEETING



Dr P Manju, Professor and Head, Dept. of ICE, conducted a meeting with the Members of Faculty regarding Online Classes, End Semester Practice, Laboratory Exam, Orientation Program, CIA III Retest, Work Load and Research Activities on 04 November 2020.

