

# SKCT DIGEST

14 - 18 SEPTEMBER 2020

SPECIAL ISSUE - 17



**EDITOR - IN - CHIEF**

*Dr Srinivasan Alavandar,  
Principal*

**EDITORIAL TEAM**

*Ms S Soundarya, CSE*

*Ms S Thenmozhi, ECE*

*Ms B Pavithra, S&H*

## INSIDE THIS ISSUE

**SKCT | USVA AWARDS 2020****Pg.no. 3 - 8****PhD VIVA VOCE****Pg.no. 9 - 10****STUDENTS' PARTICIPATION****Pg.no. 11 -21****FACULTY PARTICIPATIONS****Pg.no. 22 - 34****PUBLICATIONS****Pg.no. 35 - 38****NEW VISTAS OF LEARNING****Pg.no. 39 - 45****FDPs ATTENDED****Pg.no. 46 - 54****MEETINGS & DISCUSSIONS****Pg.no. 55 - 69****EVENTS ORGANISED****Pg.no. 70 - 78****STUDENTS ' ACTIVITY****Pg.no. 79 - 80**

**SPECIAL EDITION - 17**

# **SKCT | USVA AWARDS 2020**



**@skctdigest**



**@skctofficial**



**digestfeedback@skct.edu.in**



## SKCT | USVA AWARDS 2020

### Proud moment for SKCTians...

Yet another feather in the cap of Sri Krishna College of Technology, Coimbatore.

We are very extremely happy as our institution proudly holds high the **USVA 2020 Award with 2 Rank** for the category **Counselling/ Tele Support Provided**.

Utkrisht Sansthan Vishwakarma Awards (USVA) 2020 was announced by AICTE in the award ceremony held online today in the presence of the **Honorable Minister of Education Shri. Ramesh Pokhriyal Nishank** and the **Honorable Union Minister for Health & Family Welfare, Science & Technology and Earth Sciences, Dr. Harsh Vardhan**.

'**India Fights Corona**' was the theme proposed for this year to promote the innovative spirit and scientific temperament among AICTE approved institutions in their contribution to fight COVID-19.

The council received 900 applications of which 535 were eligible. The evaluation team recommend 103 institutions of which the Jury Members announced awards for 35 institutions under 14 different categories. Initiative is the light that leads and the strength that lifts people to excellence.

We express our gratitude to thank you all for the support and guidance at every step helping us march towards excellence.



# SKCT | USVA AWARDS 2020



SKCT | USVA AWARDS 2020

Via CiscoWebex

Category 2-  
Counselling / Tele Support Provided  
परामर्श / टेली सपोर्ट प्रदान करना  
Second (द्वितीय)  
SRI KRISHNA COLLEGE OF TECHNOLOGY, TAMIL NADU  
श्री कृष्ण प्रौद्योगिकी संस्थान, तमिल नाडु

Utkrisht Sansthan Vishwakarma Award 2020

Rank 2

SRI KRISHNA COLLEGE OF TECHNOLOGY

Category 2: Counselling / Tele Support Provided

THEME "INDIA FIGHTS CORONA"

SRI KRISHNA INSTITUTIONS COIMBATORE

Utkrisht Sansthan Vishwakarma Award 2020

**RANK 2**

**SRI KRISHNA COLLEGE OF TECHNOLOGY**

Category 2: Counselling / Tele Support Provided

**THEME "INDIA FIGHTS CORONA"**

**SRI KRISHNA COLLEGE OF TECHNOLOGY**

USVA AWARDS 2020

Category 2: Counselling / Tele Support Provided

Theme "India Fights Corona"



# SKCT | USVA AWARDS 2020







**SRI KRISHNA COLLEGE OF TECHNOLOGY**

AUTONOMOUS INSTITUTION | ACCREDITED BY NAAC WITH 'A' GRADE



**MHRD**  
GOVERNMENT OF INDIA

सत्यमेव जयते

**USVA 2020**



**UTKRISHT SANSTHAN VISHWAKARMA AWARD 2020**

We're glad to announce that  
Sri Krishna College of Technology, Coimbatore  
is ranked



**2**<sup>nd</sup>



among educational institutions under the theme

**"INDIA FIGHTS CORONA"**

for the category

**"Counselling / Tele Support Provided"**

for initiation and implementation of various activities for the  
benefit of the society during this Covid-19 pandemic

Awarded by

Hon'ble Education Minister, Govt. of India

**Shri Ramesh Pokhriyal 'Nishank'**

and

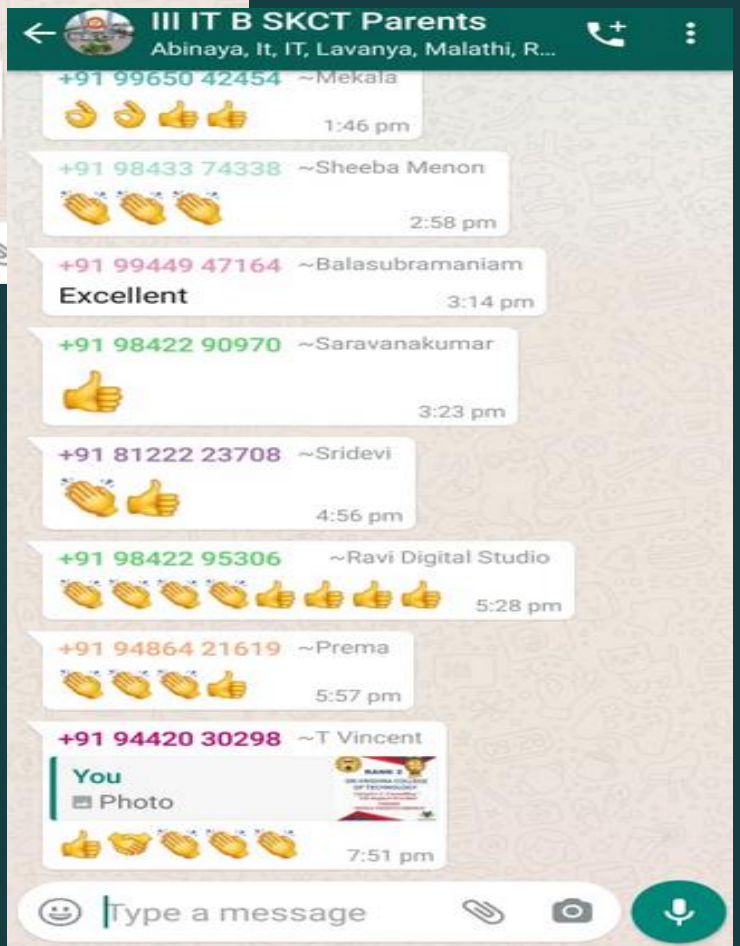
Hon'ble Union Minister, Ministry of Health and Family Welfare, Govt.  
of India

**Dr. Harsh Vardhan**

on

17th September, 2020

# IT | USVA 2020 | FEEDBACK



**SPECIAL EDITION - 17**

# PhD VIVA VOCE



[@skctdigest](#)



[@skctofficial](#)



[digestfeedback@skct.edu.in](mailto:digestfeedback@skct.edu.in)



## ECE | RESEARCH CENTRE | PHD VIVA VOCE

The image shows two screenshots of a Zoom meeting. The top screenshot displays a presentation slide titled "Image Segmentation by Markov Random Fields" with three bullet points. The bottom screenshot displays the same slide but with a mathematical equation and an additional bullet point.

**Image Segmentation by Markov Random Fields**

- The process of marking each pixel as the target or background according to the pixel attributes and neighbouring domain attributes.
- Each pixel in the MRF can be interconnected by the neighbourhood system.
- Therefore, the prior knowledge of the MRF and neighbourhood correlation can effectively achieve the segmentation of images.

**Image Segmentation by Markov Random Fields**

- According to the Maximum A Posteriori criterion (MAP),

$$X_{opt} = \operatorname{argmax} P(X | Y) \text{ -----(1)}$$

- where  $P(X | Y)$  represents the posterior probability of the label field  $X$  under the condition of observation data  $Y$

Mr S Lakshmi Narayanan defended his Ph.D. Viva Voce on “**Certain Investigations on User Access Control of Secured Image Sharing in Digital Rights Management Techniques**” at the Research Centre, Dept. of ECE. Dr G M Tamilselvan, Centre Head, Research Centre, Dept. of ECE facilitated the session on 18 September 2020.

**SPECIAL EDITION - 17**

# **STUDENTS' PARTICIPATIONS**



**@skctdigest**



**@skctofficial**



**digestfeedback@skct.edu.in**

**CIVIL | STUDENT'S ACHIEVEMENT | GRADUATE  
TRAINEE IN ASHOK LEYLAND**

**Mr V Hariharan**  
IV Year  
Dept. of Civil  
Engineering





Mr V Hariharan, Alumnus (Batch 2016-2020), Dept. of Civil Engineering, has been selected as **"Graduate Trainee"** in Ashok Leyland.



**ECE | STUDENTS' ACHIEVEMENT | IDEA CHALLENGE**  
**2020**


**SRI RAMAKRISHNA ENGINEERING COLLEGE**  
 Autonomous Institution, Accredited by NAAC with 'A' Grade  
 Approved by AICTE and Permanently Affiliated to Anna University, Chennai  
 ISO 9001:2015 certified and all eligible programmes Accredited by NBA  
 Coimbatore-641017


**IEEE STUDENT BRANCH SREC**

**IEEE**  **PHOTON**  
 2K20  **IEEE COMPUTER SOCIETY**

**CERTIFICATE OF APPRECIATION**

This is to certify that Dharun Prasad V of Sri Krishna College of Technology has won the **Second Prize** in the Idea Challenge 2020 conducted by IEEE Student Branch of Sri Ramakrishna Engineering College, Coimbatore on 29th August 2020.



  
 Dr.K.Balamurugan  
 IEEE SB COUNSELOR

  
 Dr.N.R.Alamelu




**SRI RAMAKRISHNA ENGINEERING COLLEGE**  
 Autonomous Institution, Accredited by NAAC with 'A' Grade  
 Approved by AICTE and Permanently Affiliated to Anna University, Chennai  
 ISO 9001:2015 certified and all eligible programmes Accredited by NBA  
 Coimbatore-641017


**IEEE STUDENT BRANCH SREC**

**IEEE**  **PHOTON**  
 2K20  **IEEE COMPUTER SOCIETY**

**CERTIFICATE OF APPRECIATION**

This is to certify that Karthikeyan G of Sri Krishna College of Technology has won the **Second Prize** in the Idea Challenge 2020 conducted by IEEE Student Branch of Sri Ramakrishna Engineering College, Coimbatore on 29th August 2020.

  
 Dr.K.Balamurugan  
 IEEE SB COUNSELOR

  
 Dr.N.R.Alamelu  
 PRINCIPAL

Mr V Dharun Prasad and Mr G Karthikeyan, Students of Second B.E. ECE A Section, bagged the Second Prize in “**Idea Challenge 2020**” organised by IEEE Student Branch of Sri Ramakrishna Engineering College, Coimbatore on 29 August 2020.

## ECE | STUDENT'S PARTICIPTION | 12 HOURS OF ONLINE CAREER PREPARATORY COURSE ON "CAMPUS TO CORPORATE"



# CERTIFICATE OF PARTICIPATION

This is certify that

*Kiran Seshi, M*

Sri Krishna College of Technology, Coimbatore

has participated in 12 hours of Online Career Preparatory Course on

**CAMPUS TO CORPORATE**

organized by ICT Academy from 31 Aug 2020 to 05 Sep 2020.

A handwritten signature in blue ink.

Dr B Anbuthambi  
President,  
ICT Academy

CERTIFICATE ISSUED

12 Sep 2020



CERTIFICATE NO

CTC-5106

A handwritten signature in blue ink.

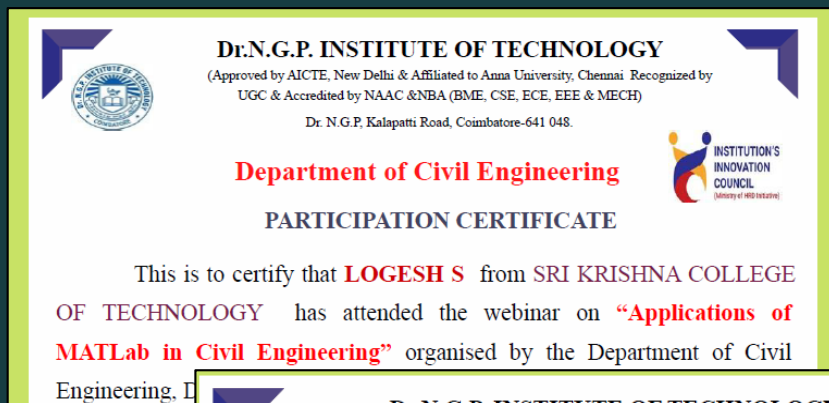
M Sivakumar  
Chief Executive Officer  
ICT Academy

This certificate can be verified at [verify.ictacademy.in](http://verify.ictacademy.in)

*keep going,  
keep growing*

Mr M Kiran Seshi, Student of Second B.E. ECE, participated in 12 hours of Online Career Preparatory Course on "Campus to Corporate" organised by ICT Academy during 31 August-05 September 2020.

## CIVIL | STUDENTS' PARTICIPATION | WEBINAR ON APPLICATION OF MATLAB IN CIVIL ENGINEERING



Students of Second M.E. Structural Engineering attended a webinar on **“Application of MATLAB in Civil Engineering”** organised by Dr N G P Institute of Technology, Coimbatore on 16 September 2020.



# EEE | STUDENTS' PARTICIPATION IN CONNECTNEXT CONFERENCE | LA FOUNDATION DASSAULT SYSTEMES



Mr N S Kokul, Mr N S Krishna, Mr M Kavinkumar and Mr P Dhinesh Kanna, Students of Final B.E. EEE, participated in the ConnectNext Conference organised by La Fondation Dassault Systemes on 17 September 2020.

# SoM | WEBINAR ON REALISE AND ACTUALISE BENEFITS OF DIGITAL MARKETING

**Yi** Coimbatore  
**MASTER CLASS SERIES**  
REALISE AND ACTUALISE BENEFITS OF DIGITAL MARKETING  
Mr. Avijit Arya  
Entrepreneur, Speaker, Trainer, Hotelier

12<sup>th</sup> Sep 2020 | 1000 – 1100 Hrs | Virtual Session

What will the audience learn ?

- How to become the most valuable video Brand in your industry ?
- How to take advantage of your youth to become a personal brand and serve the world ?
- How to use micro videos to connect with the planet's top influencers
- At the end walk away with a 33 video calendar for success + Speaker's free template to evaluate and work on becoming your own video brand

Note: RSVP in Yi Mobile App only

youngindians.net | yicoimbatorechapter | youngindians.yi  
youngIndianscoimbatorechapter | yitweets

LIVE 16

Abirami Ashokkumar will do it

Bava Balamurali Will do it

Abirami Ashokkumar done

Girish B M love to win

Pradeep Krishnaraj Will Do

Share this video with friends.  
Share

Ashok Krish Yes sir

SHARE Write a comment...

Students of Second MBA attended a webinar on “Realise and Actualise benefits of Digital Marketing” on 12 September 2020.



# ICE | STUDENTS' PARTICIPATION IN CONNECTNEXT CONFERENCE | LA FOUNDATION DASSAULT SYSTEMES



Ms R Nagalakshmi and Ms S KaniMozhi, Students of Final B.E. ICE, presented a project on “IoT Based Paper Cup Making Machine” in the ConnectNext Conference organised by La Fondation Dassault Systemes during 17-18 September 2020.



**CSE | STUDENT'S CERTIFICATE FOR INTERNSHIP**



**CERTIFICATE OF INTERNSHIP**

Proudly presented to

**LALITH SAI KUMAR S K**

SRI KRISHNA COLLEGE OF ENGINEERING & TECHNOLOGY

for successfully completing **Remote Internship**

from 10th Aug to 10th Sep 2020



*Biswal*  
Director, EduSkills

Certificate No: 629ebc6b95c3089249bb0bbeafd01944

Mr S K Lalith Sai Kumar, Student of Final B.E. CSE C Section, completed the Internship Programme in EduSkills during 10 August-10 September 2020.

## ECE | STUDENT'S PARTICIPATION IN CONNECTNEXT CONFERENCE | LA FOUNDATION DASSAULT SYSTEMES

**DASSAULT SYSTEMES**  
— La Fondation —

**ConnectNext**  
Empowering Students to be FUTURE Ready

Live Virtual Event

**AN INNOVATIVE INDUSTRY ACADEMIA CONNECT PROGRAM**  
Presented by, La Fondation Dassault Systemes

SEPTEMBER 17, 2020 | 2:00 PM - 4:30 PM (IST) | INDIA

**DASSAULT SYSTEMES**  
— La Fondation —

**ConnectNext**  
Empowering Students to be FUTURE Ready

**CERTIFICATE OF ATTENDANCE**

This certificate is awarded to

**Vishalrajan S**

to certify his/her attendance at the **ConnectNext Conference** presented by, La Fondation Dassault Systemes on September 17, 2020.

Hemant GADGIL  
Executive Director  
La Fondation Dassault Systemes, India

Event Highlights

Project Glimpse  
Project:Glimpses.mp4

Key Highlights  
Key\_Highlights\_05\_1A...

Our proposed design to new system which will present and implement.

Top View

Side View

Project Name: **Rotational Conductor**

0:30 / 2:03

Mr Vishalrajan S, Student of Final B.E. ECE, presented a project idea on **“Rotational Conductor”** in the ConnectNext Conference organised by La Fondation Dassault Systemes on 17 September 2020. Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, served as the mentor.

## ECE | STUDENTS' PARTICIPATION IN CONNECTNEXT CONFERENCE | LA FOUNDATION DASSAULT SYSTEMES



Mr P Manikandan, Mr M Kiran Seshi, Mr M K Nishanth and Ms U S Arthi, Students of Third B.E. ECE, presented a project idea on **“Hoshiyar Swachh Bharat”** in the ConnectNext Conference organised by La Fondation Dassault Systemes on 17 September 2020. Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, served as the mentor.



**SPECIAL EDITION - 17**

# **FACULTY PARTICIPATIONS**



**@skctdigest**



**@skctofficial**



**digestfeedback@skct.edu.in**

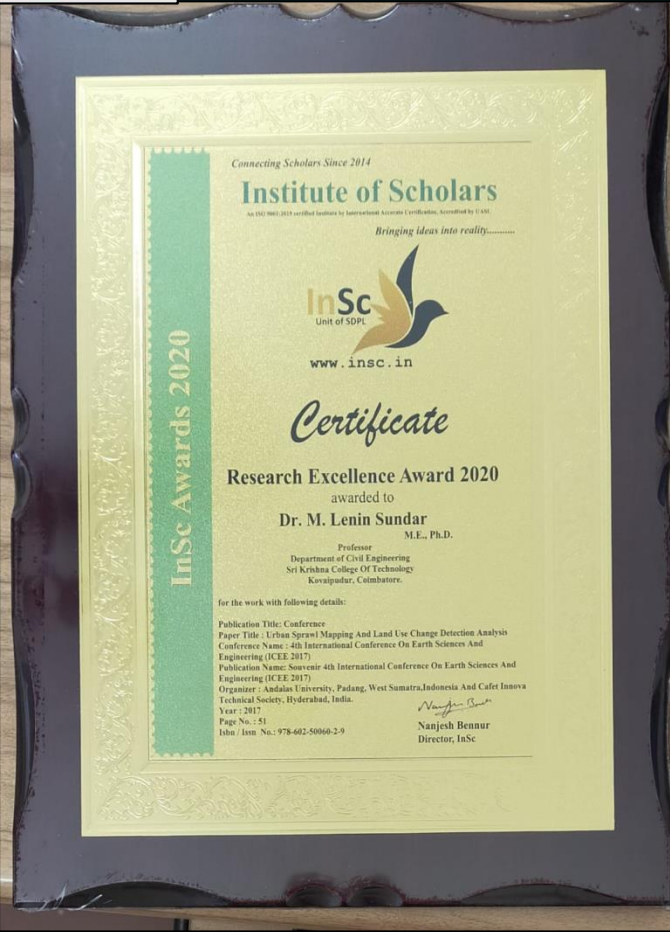
CIVIL | FACULTY ACHIEVEMENTS| InSc AWARDS



Dr I Padmanaban, Professor and Head, Dept. of Civil Engineering, received the “HOD of the Year Award 2020” from the Institute of Scholars (InSc Awards), Unit of SDPL.



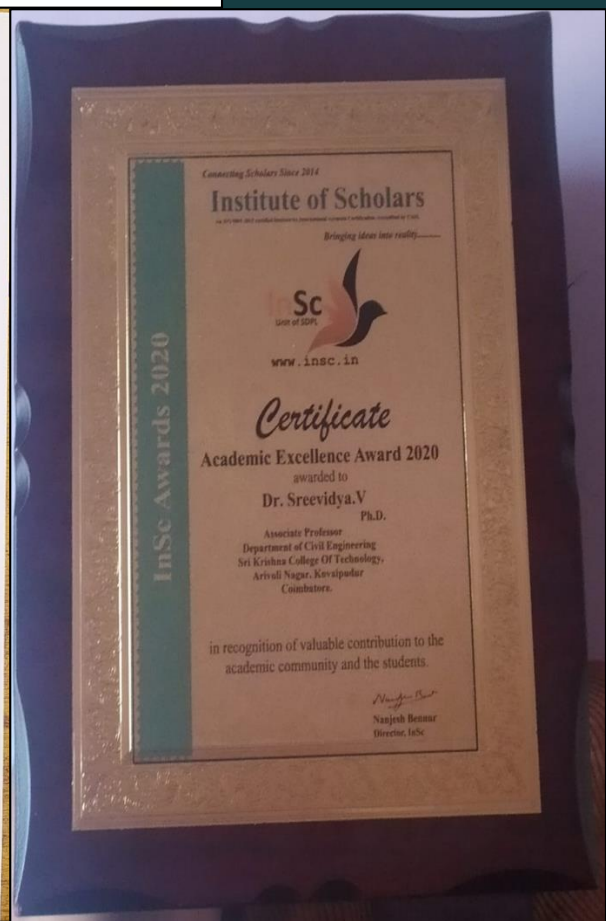
CIVIL | FACULTY ACHIEVEMENTS| InSc AWARDS



Dr M Lenin Sundar, Professor, Dept. of Civil Engineering, received the “Research Excellence Award 2020” from the Institute of Scholars (InSc Awards), Unit of SDPL.



CIVIL | FACULTY ACHIEVEMENTS | InSc AWARDS



Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, received the **“Academic Excellence Award 2020”** from the Institute of Scholars (InSc Awards), Unit of SDPL.

## IT | GUEST LECTURE DELIVERED ON WEARABLE DEVICES FOR ASSISTING DEVICES

STTP ON DEEP LEARNING  
PHASE I – 14.09.2020-19.09.2020  
14.09.2020- AN – MACHINE TRANSLATION  
RESOURCE PERSON – Dr.T.RAJESHKUMAR, ASSOCIATE PROFESSOR,  
IT DEPARTMENT,  
SRI KRISHNA COLLEGE OF TECHNOLOGY, COIMBATORE.

Dr T Rajeshkumar, Assoc. Professor, Dept. of IT, served as a Resource Person and delivered a Guest Lecture on “**Machine Translation**” in the AICTE Sponsored Short Term Training Programme on 15 September 2020.

## ECE | IEEE CONFERENCE | A DUAL BAND COMPACT SQUARE PATCH ANTENNA WITH LINGAM SHAPED SLOT FOR WLAN & WI-MAX APPLICATIONS



Dr K Sumathi, Professor, Dr P Jayarajan, Assoc. Professor, Ms S Thenmozhi and Ms Dhivya Priya E L, Asst. Professors, Dept. of ECE, presented a paper on “A Dual Band Compact Square Patch Antenna with Lingam Shaped Slot for WLAN & Wi-Max Applications” in an International Conference on Smart Electronics and Communication (ICOSEC 2020 ) organised by Kongunadu College of Engineering and Technology, Trichy during 10-12 September 2020.



## ECE | COURSE COMPLETION ON PROGRAMMING FOR EVERYBODY



Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, completed a course on **“Programming for Everybody (Getting started with Python)”** offered through Coursera on 12 September 2020.

## IT | FACULTY CERTIFICATION | PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON)



Dr R Suganya, Asst. Professor, Dept. of IT, completed an online certification course on **“Programming for Everybody (Getting Started with Python)”** authorised by University of Michigan and offered through Coursera on 11 September 2020.

CIVIL | FACULTY PARTICIPATION | CONCRETE DAY  
CELEBRATION

CERTIFICATE  
PROUDLY PRESENTED TO

*Dr. SREEVIDYA V*

Virtual Concrete Day Celebration

Sep 12, 2020

Date of Completion

UltraTech Cement Ltd.

Organizer



Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, participated in a “**Virtual Concrete Day Celebration**” organised by Ultra Tech Cement Ltd. on 12 September 2020.

## CSE | STTP ON POWER BI – AN INSIGHT INTO BUSINESS INTELLIGENCE, VISUALIZATION AND DATA ANALYTICS



Ms S Padmavathi and Ms G Nivedhitha, Asst. Professors, Dept. of CSE, attended the AICTE Sponsored Six-day Online Short Term Training Program on “**Power BI – An Insight into Business Intelligence, Visualization and Data Analytics**” organised by Tamilnadu College of Engineering, Coimbatore during 24-29 September 2020.



CSE | CERTIFICATION ON INTELLIGENT TOOL FOR  
DIGITAL AGE



Ms G Sandhya, Asst. Professor, Dept. of CSE, completed an online non-credit course on “**Intelligent Tool for Digital Age**” authorised by IE Business School and offered through Coursera on 11 September 2020.

EEE | PARTICIPATION IN CONNECTNEXT CONFERENCE | LA  
FOUNDATION DASSAULT SYSTEMES



Dr K Lakshmi, Professor and Head and Dr S Saravanan, Asst. Professor, Dept. of EEE, participated in the ConnectNext Conference organised by La Fondation Dassault Systemes on 17 September 2020.

ICE | PARTICIPATION IN CONNECTNEXT CONFERENCE  
| LA FOUNDATION DASSAULT SYSTEMES



Dr P Manju, Professor and Head, Dr T Chinnadurai, Assoc. Professor and Mr S Dilip Kumar, Asst. Professor, Dept. of ICE, participated in the ConnectNext Conference organised by La Fondation Dassault Systemes on 17 September 2020.



**SPECIAL EDITION - 17**

# **PUBLICATIONS**



**@skctdigest**



**@skctofficial**



**digestfeedback@skct.edu.in**

# EEE | PAPER PUBLICATION IN JOURNAL OF SEYBOLT REPORT

Journal of Seybolt Report

ISSN NO: 1533-9211

## High-Efficiency Inductively Coupled WPT System for E-vehicle charging

<sup>1</sup>A. Gayathri, <sup>2</sup>V. Manimegalai, <sup>3</sup>T. Bharaniprakash, <sup>4</sup>P. Swapna

<sup>1,2,3,4</sup>Assistant Professor, Sri Krishna College of Technology, Coimbatore

<sup>1</sup>[a.gayathri@skct.edu.in](mailto:a.gayathri@skct.edu.in), <sup>2</sup>[manimegalai.v@skct.edu.in](mailto:manimegalai.v@skct.edu.in), <sup>3</sup>[bharaniprakash.t@skct.edu.in](mailto:bharaniprakash.t@skct.edu.in), <sup>4</sup>[swapna.p@skct.edu.in](mailto:swapna.p@skct.edu.in)

**ABSTRACT-**Nowadays a concept of Wireless Power Transfer for electric vehicle has been developed for battery charging. The term wireless power transfer came into existence when the problem of battery charging become one of the key point in electric vehicles because batteries has to be frequently charged to because of mileage problem and once the battery got drained, then searching of charging stations for recharging battery becomes a major problem. And also to prevent environment degradation by the usage of fossil fuels in internal combustion engines these electric vehicles came into play. For charging of batteries, using wire and charger won't be comfortable and then implementation of wireless charging system for batteries with Inductive Coupling method where power is delivered via transmitter to one or more movable receiver between an air-gap of particular distance has been brief out in the propose system. Here Series to series resonant topology with ARDUINO feedback design is explained in this paper. Through solar panel, DC power is generated which is converted and transmitted to the transmitter coil from which magnetic fields are produced and because of this magnetic field, the primary and secondary coils are coupled and the constant current in the primary coil paves way for the wireless power transfer. Further additional coils are added in the transmitter side for the dynamic charging.

**Keywords-** Inductive coupling, Wireless power transfer, Electric vehicle, Dynamic charging

### INTRODUCTION

In most of the countries, E vehicles become popular because of their adaptable size depending upon the applications. It is similar to ordinary vehicles but here for propulsion, an electrical motor is used in E vehicles which are charged by batteries. There are many types of batteries in the market and among all Lithium ion batteries are used due to

their small size, less weight and high storage capacity of energy when compared to lead acid batteries. The conventional type of charging use battery charger and plug in which is heavy process and sometimes there is a chance to remove battery for charging. To avoid such type of wired charging, the concept of Inductive Power Transfer has been introduced which works on mutual inductance that produces electricity. Today Electricity has become a Prime factor of our day-to-day life. Every machine or gadget that is used now is being run by electricity either through power supply or from batteries. It's known fact that Nikola Tesla was the first person to propose the idea of Wireless power transmission in 1891.

By using many wires for Connecting in small power sockets can result in damage or in becomes uncomfortable. So inductive power transfer method is designed for delivering power without any wire through magnetic coupling method that consist of transmitter network which is static (primary side coil) to dynamic receiver (secondary side coil). The large air gap is formed between primary and secondary load side at particular distance and depend upon requirement of power supply will be single phase or three phases.

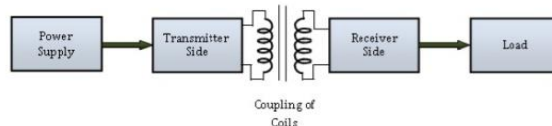


Fig (1) overview of dynamic charging

Wireless charging system encompasses the supply from the source, carrier end and recipient end. Based on the structure of both transmitter and the receiver coil, the topology of inductive power transfer system will be decided. Under the phenomenon of mutual induction, the inductive coils are coupled together which results in generation of AC current. The current generated in primary side coil will be at low frequency and this current creates a magnetic field a very

VOLUME 15 ISSUE 9 2020

Page: 1701

Ms A Gayathri, Ms V Manimegalai, Ms P Swapna and Mr T Bharani Prakash, Asst. Professors, Dept of EEE, published a paper on “**High Efficiency Inductively Coupled WPT System for E-Vehicle Charging**” in the Journal of Seybolt Report on 16 September 2020.







**SPECIAL EDITION - 17**

# **NEW VISATS OF LEARNING**



**@skctdigest**



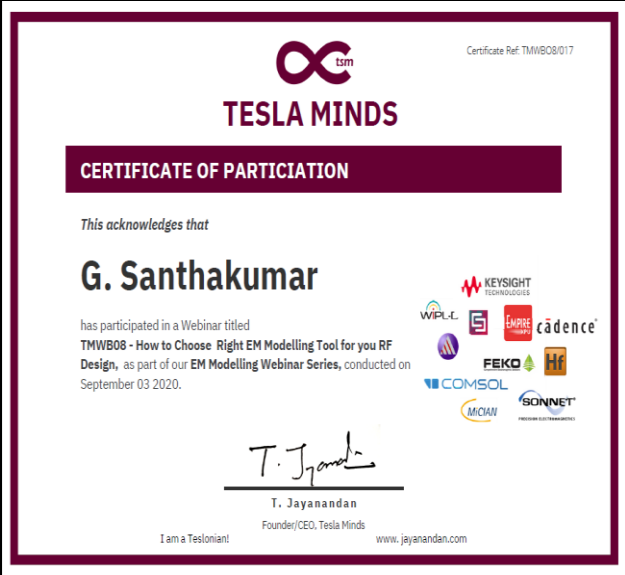
**@skctofficial**



**digestfeedback@skct.edu.in**

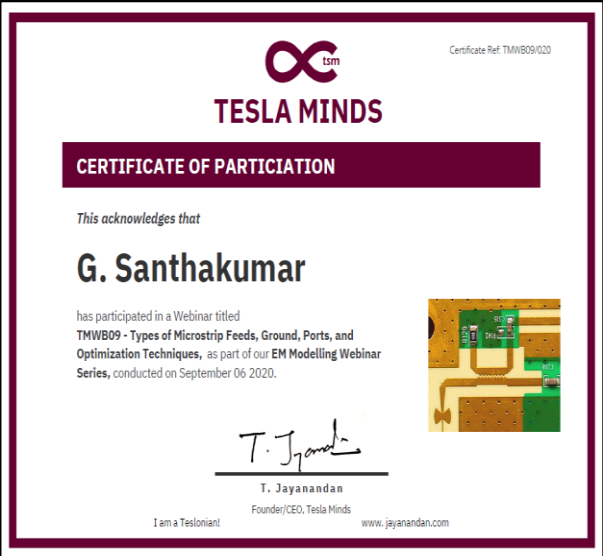
**ECE | WEBINAR ON HOW TO CHOOSE RIGHT EM MODELLING TOOL FOR YOU RF DESIGN**

Mr G Santhakumar, Asst. Professor, Dept. of ECE, attended a webinar on **“How to Choose Right EM Modelling Tool for you RF Design”** organised by Tesla Minds on 03 September 2020.



**ECE | WEBINAR ON TYPES OF MICROSTRIP FEEDS, GROUND, PORTS AND OPTIMIZATION TECHNIQUES**

Mr G Santhakumar, Asst. Professor, Dept. of ECE, attended a webinar on **“Types of Microstrip Feeds, Ground, Ports and Optimization Techniques”** organised by Tesla Minds on 06 September 2020.





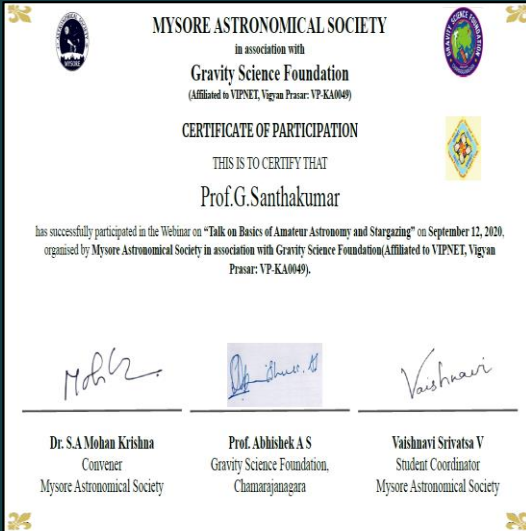
## ECE | WEBINAR ON DESIGN OF MICROWAVE FILTERS



Ms Dhivya Priya E L, Asst. Professor, Dept. of ECE, attended a webinar on “**Design of Microwave Filters**” organised by IEEE MTT-S Kerala Section and IEEE MTT-S and APS Student Branch, Government Engineering College, Barton Hill, Thiruvananthapuram on 29 August 2020.

**ECE | WEBINAR ON TALK ON BASICS OF AMATEUR ASTRONOMY AND STARGAZING**

Mr G Santhakumar, Asst. Professor, Dept. of ECE, attended a webinar on “Talk on Basics of Amateur Astronomy and Stargazing” organised by Mysore Astronomical Society on 12 September 2020.



**ECE | WEBINAR ON FUNDAMENTALS OF RADIO ASTRONOMY: THE OTHER WINDOW OF ELECTROMAGNETIC SPECTRUM**

Mr G Santhakumar, Asst. Professor, Dept. of ECE, attended a webinar on “Fundamentals of Radio Astronomy: The Other Window of Electromagnetic Spectrum” organised by Scientific Knowledge for Youth ( S K Y ) Foundation on 30 August 2020.



## CIVIL | WEBINAR ON PERSPECTIVE ON GOVERNMENT TENDERING & CONTRACT MANAGEMENTS



Mr R Ramesh, Asst. Professor, Dept. of Civil Engineering, attended a webinar on "**Perspective on Government Tendering & Contract Managements**" organised by Easwari Engineering College, Chennai on 11 September 2020.



**MECH | WEBINAR ON RECRUITMENT TRENDS AND ASSOCIATED SKILLS WITH DIGITAL CV TO GD/PI TECHNIC**



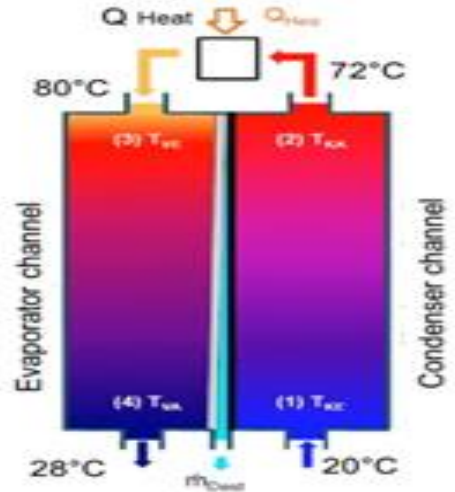
Mr S Pradeepkumar, Mr M Ragavan, Mr K Nesamani, Mr G Murali Krishna, Mr R Ravichandran and Mr R Sanjay, Students of Third B.E. Mechanical Engineering, attended a webinar on “**Recruitment Trends and Associated Skills With Digital CV to GD/PI Technic**” organised by ARKA Jain University, Jharkhand on 09 September 2020.

**ICE | WEBINAR ON SOLAR DESALINATION TECHNOLOGIES: CURRENT SITUATION AND TRENDS**

**Basic MD configurations**

Configuration of PGMD modules with internal heat recovery

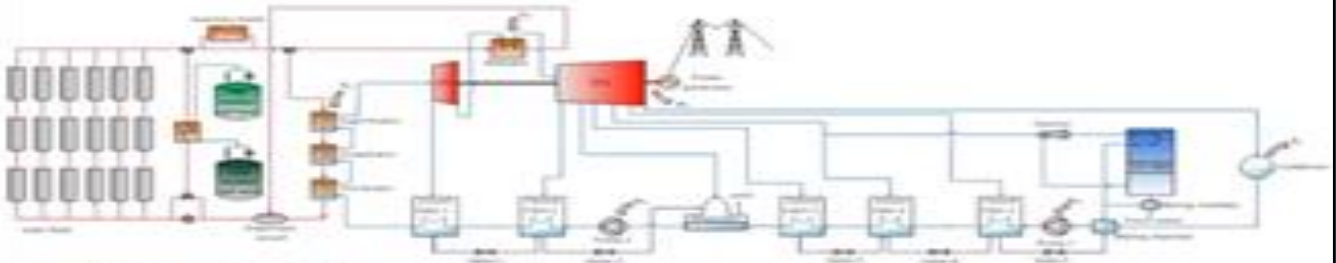
$$GOR = \frac{\dot{m}_{Dist} \Delta h_{lv}}{Q_{heat}}$$



**CSP+D Configurations**



- Configuration 2: TVC-MED plant integrated into a CSP plant



- It allows the total expansion of the vapor
- Use of high pressure vapor from the turbine
- The desalination process doesn't follow the load of the turbine
- The electricity production continues even in the stops of the MED plant

Ms K Shanthi, Asst. Professor, Dept. of ICE, attended a webinar on “Solar Desalination Technologies: Current Situation and Trends” organised by International Solar Energy Society (ISES) on 17 September 2020.

## SoM| WEBINAR ON REALISE AND ACTUALISE BENEFITS OF DIGITAL MARKETING



Confederation of Indian Industry  
125 Years: 1895-2020



Yi coimbatore

**MASTER CLASS**  
SERIES

REALISE AND ACTUALISE  
BENEFITS OF  
DIGITAL MARKETING

Mr. Avijit Arya

Entrepreneur, Speaker, Trainer, Hotelier

12<sup>th</sup> Sep 2020 | 1000 – 1100 Hrs| Virtual Session

What will the audience learn ?

- How to become the most valuable video Brand in your industry ?
- How to take advantage of your youth to become a personal brand and serve the world ?
- How to use micro videos to connect with the planet's top influencers
- At the end walk away with a 33 video calendar for success + Speaker's free template to evaluate and work on becoming your own video brand

Note: RSVP in Yi Mobile App only

🌐 [youngindians.net](http://youngindians.net) | 📺 [yicoimbatorechapter](https://www.youtube.com/channel/UCyicoimbatorechapter) | 📺 [youngindians.yi](https://www.youtube.com/channel/UCyoungindians.yi)  
 📺 [youngIndianscoimbatorechapter](https://www.youtube.com/channel/UCyoungIndianscoimbatorechapter) | 📺 [yitweets](https://www.youtube.com/channel/UCyitweets)

Dr M Padmavathi, Professor and Head, Dr R Prabusankar, Professor and Ms A Mohanapriya, Asst. Professor, attended a webinar on “Realise and Actualise Benefits of Digital Marketing” on 12 September 2020.



**SPECIAL EDITION - 17**

# **FDPs ATTENDED**



**Faculty  
Development  
Program**



**@skctdigest**

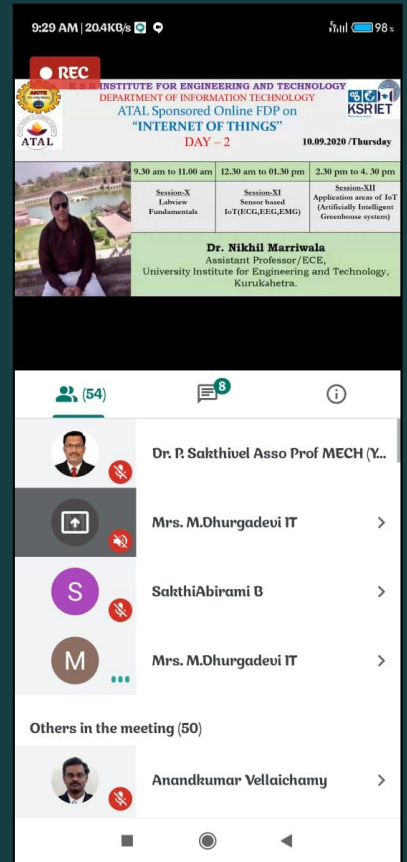
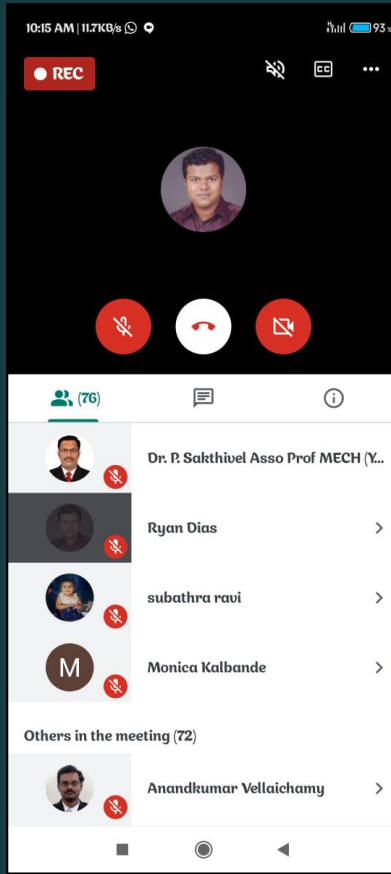
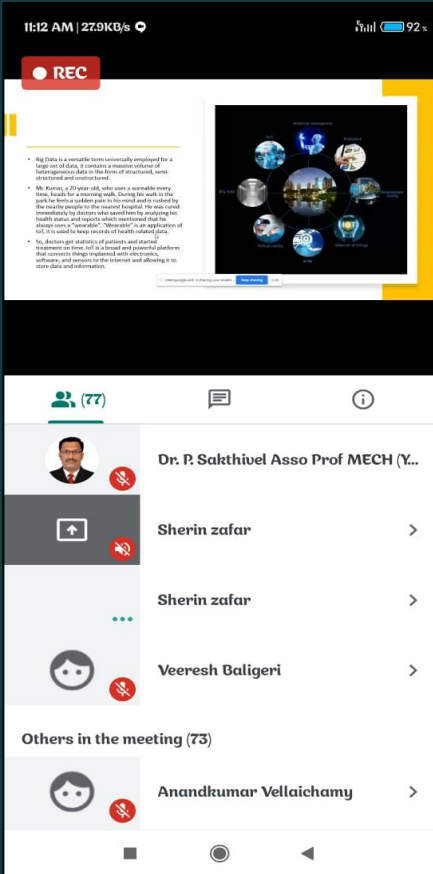


**@skctofficial**



**digestfeedback@skct.edu.in**

MECH | FDP ON INTERNET OF THINGS



Dr P Sakthivel, Assoc. Professor, Dept. of Mechanical Engineering, attended the ATAL Sponsored FDP on “Internet of Things” organised by KSRIET, Tiruchengode on 11 September 2020.

## MECH | FDP ON 3D PRINTING FOR INDUSTRIAL APPLICATIONS



Mr K Kaviyaran, Asst. Professor, Dept. of Mechanical Engineering, attended an FDP on **"3D Printing for Industrial Applications"** organised by the Dept. of Automobile and Mechanical Engineering, J K K Muniarajah College of Technology, Erode during 07-12 September 2020.



IT | FDP ON WEARABLE DEVICES FOR ASSISTING DEVICES

**REC Wearables - Basic Functions**

The diagram illustrates the flow of data between an individual and a remote location. On the individual side, the process is: Sense → Process → Store → Transmit → Apply. On the remote location side, the process is: Process → Store → Transmit → Apply. Signals flow from the individual to the remote location, and responses flow back.

On the Individual: Sense, Process, Store, Transmit, Apply  
Remote location: Process, Store, Transmit, Apply

Personalized mobile information processing → Transform the sensory data to Information and then to Knowledge.  
Example, if dangerous gases are detected on a first responder → Processed → Alert issued → Simultaneously transmitted to a remote location for confirmatory testing and the results → response: put on a gas mask

**REC Wearables - Basic Functions**

The diagram illustrates the flow of data between an individual and a remote location. On the individual side, the process is: Sense → Process → Store → Transmit → Apply. On the remote location side, the process is: Process → Store → Transmit → Apply. Signals flow from the individual to the remote location, and responses flow back.

On the Individual: Sense, Process, Store, Transmit, Apply  
Remote location: Process, Store, Transmit, Apply

Personalized mobile information processing → Transform the sensory data to Information and then to Knowledge.  
Example, if dangerous gases are detected on a first responder → Processed → Alert issued → Simultaneously transmitted to a remote location for confirmatory testing and the results → response: put on a gas mask

(129)

Dr.R.Suganya, ASST. PR...

Murugesan G. gm.e... >

Murugesan G. gm.e... >

Dr.D.Vijendra Ba... NEW

(128)

Dr.R.Suganya, ASST. PR...

Murugesan G. gm.e... >

Murugesan G. gm.e... >

Dr.D.Vijendra Ba... NEW

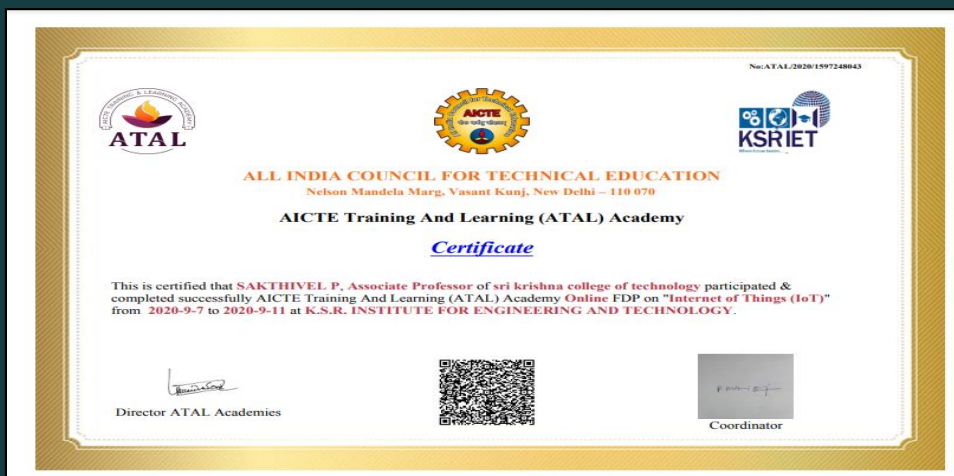
Dr R Suganya, Asst. Professor, Dept. of IT, attended the AICTE Sponsored Faculty Development Programme on “Wearable Devices for Assisting Devices” organised by Kongu Engineering College, Erode on 14 September 2020.

## MECH | FDP ON 3D PRINTING AND DESIGN

Dr N Mohanraj, Assoc. Professor, Dept. of Mechanical Engineering, attended the ATAL Sponsored FDP on “3D Printing and Design” organised by KSRIET, Tiruchengode during 07-11 September 2020.



## MECH | FDP ON INTERNET OF THINGS



Dr P Sakthivel, Assoc. Professor, Dept. of Mechanical Engineering, attended the ATAL Sponsored FDP on “Internet of Things” organised by KSRIET, Tiruchengode on 11 September 2020.

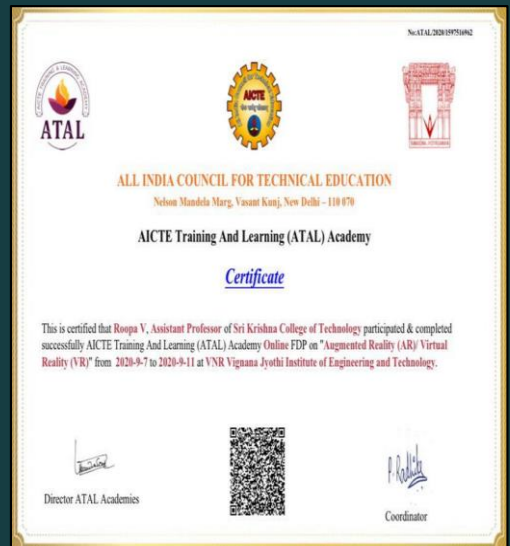
## IT | FDP ON DEEP LEARNING AND ITS APPLICATIONS USING TENSORFLOW AND KERAS



Ms P Alaguvathana, Asst. Professor, Dept. of IT, attended a Six-day Short Term Training Programme on **"Deep Learning and its Applications using TensorFlow and Keras"** organised by R M K Engineering College, Thiruvallur during 05-11 September 2020.

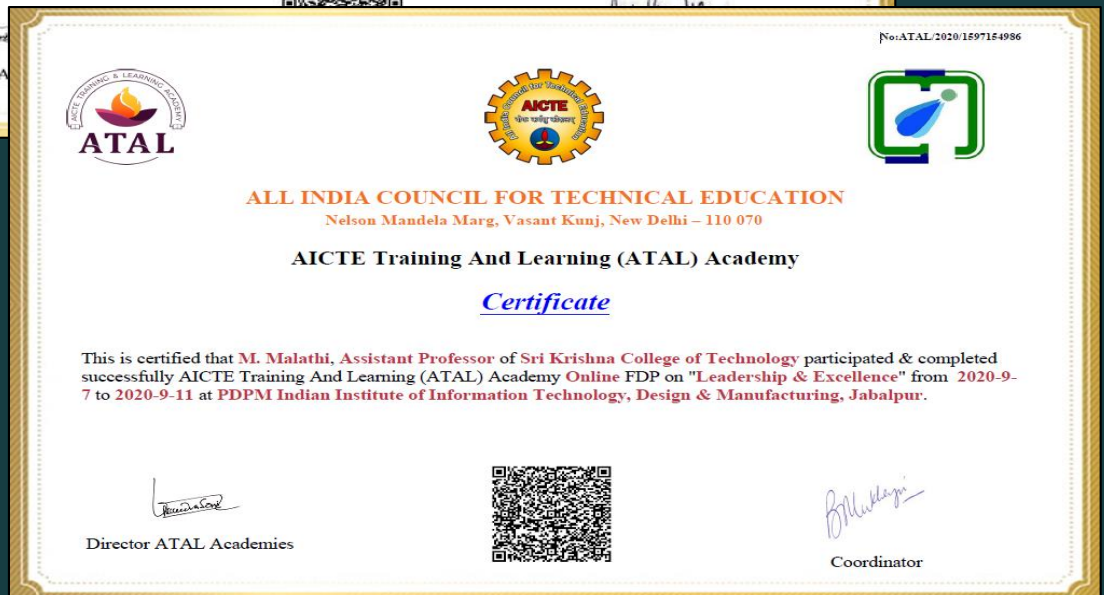
## IT | FDP ON AUGMENTED REALITY/VIRTUAL REALITY

Ms V Roopa, Asst. Professor, Dept. of IT, attended the AICTE Training and Learning (ATAL) Academy Online FDP on **"Augmented Reality/Virtual Reality"** organised by Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology, Telangana during 07-11 September 2020.





## IT | FDP ON ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING USING PYTHON AND LEADERSHIP & EXCELLENCE



Ms M Malathi, Asst. Professor, Dept. of IT, attended the AICTE Training and Learning (ATAL) Academy Online FDP on "Artificial Intelligence and Machine Learning using Python" during 31 August-04 September 2020 and "Leadership & Excellence" during 09-11 September 2020.

**IT | FDP ON INTELLIGENT SYSTEMS AND NETWORKS**

Ms A Sureshkumar, Asst. Professor, Dept. of IT, attended a Five-day Short Term Training Programme on “Intelligent Systems and Networks” organised by National Institute of Technology, Uttarakhand during 31 August-04 September 2020.



**IT | FDP ON POWER BI-AN INSIGHT INTO BUSINESS INTELLIGENCE VISUALIZATION AND DATA ANALYTICS**

Ms P Alaguvathana, Asst. Professor, Dept. of IT, attended a Six-day Short Term Training Programme on “Power BI-AN Insight into Business Intelligence Visualization and Data Analytics” organised by Tamilnadu College of Engineering, Coimbatore during 24 August-29 September 2020.



**CIVIL | STTP ON DISASTER MANAGEMENT AND MITIGATION**

Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, attended the AICTE Sponsored STTP on **“Disaster Management and Mitigation”** organised by Dr N G P Institute of Technology, Coimbatore during 07-12 September 2020.



**CIVIL | STTP ON SPECIAL TOPICS IN GEOTECHNICAL ENGINEERING**

Mr R Ramesh, Asst. Professor, Dept. of Civil Engineering, attended the AICTE Sponsored STTP on **“Special Topics in Geotechnical Engineering”** organised by Dr Mahalingam College of Engineering and Technology, Pollachi during 07-12 September 2020.



**IT | WORKSHOP ON ENABLERS FOR NEXT GENERATION COMMUNICATIONS**

Dr R Suganya, Asst. Professor, Dept. of IT, attended a workshop on **“Enablers for Next Generation Communications”** organised by Sri Venkateswara College of Engineering, Sriperumbudur during 04-05 September 2020.





**SPECIAL EDITION - 17**

# **MEETINGS & DISCUSSIONS**



**@skctdigest**

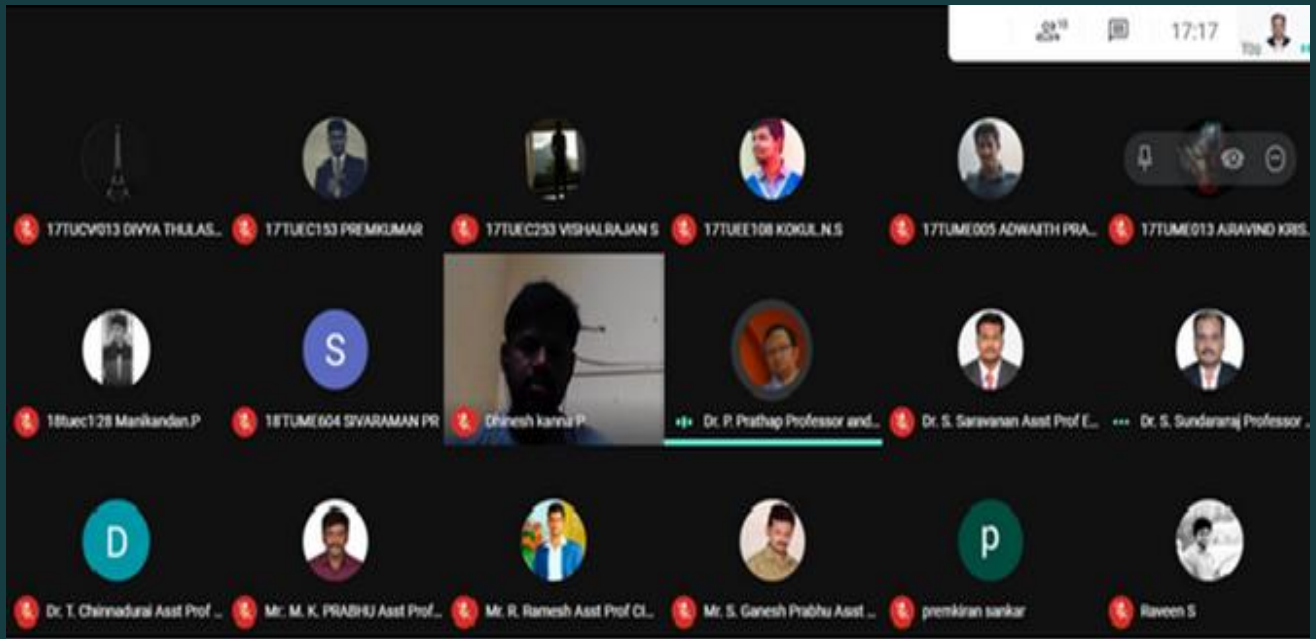


**@skctofficial**



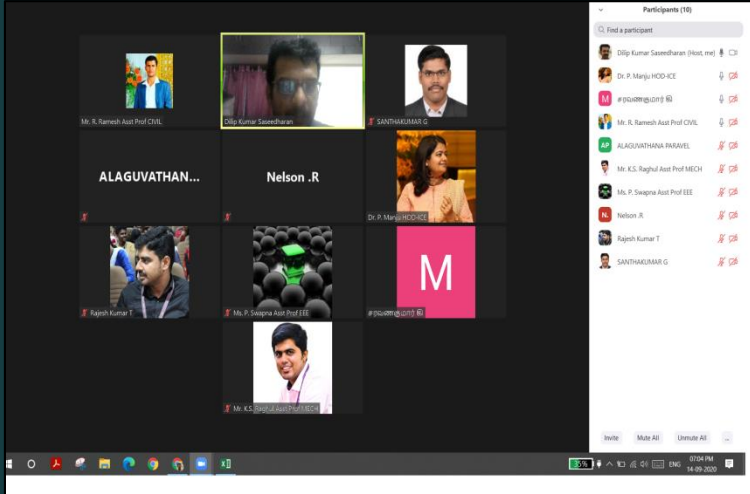
**digestfeedback@skct.edu.in**

## MECH | MEETING WITH DASSAULT PROJECT TEAMS



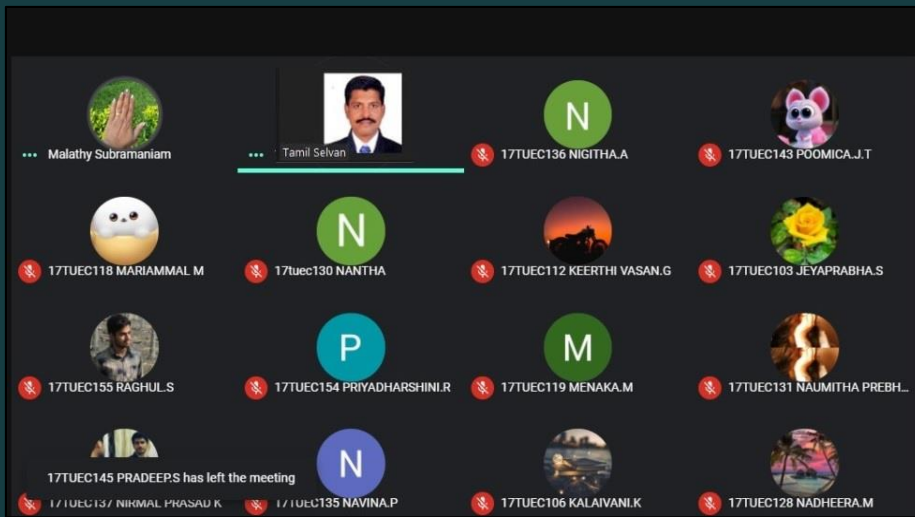
Dr P Prathap, Professor and Head, and Dr S Sundararaj, Professor, Dept. of Mechanical Engineering, conducted a meeting with the team members and mentors regarding the presentation of project in ConnectNext Virtual Conference organised by Dassault Systemes, La Fondation during 17-18 September 2020.

**ICE | PLACEMENT MEETING**



Dr P Manju, Placement Officer, conducted a meeting with the Placement Coordinators regarding the upcoming placement drives on 14 September 2020.

















































**ECE | PLACEMENT MEETING**



Dr G M Tamilselvan, Professor and Head, Dept. of ECE, conducted a meeting with the Students of Final B.E. ECE regarding the importance of Communication Skills, Learning the Basic Software and Certification Courses on 13 September 2020.



## S &amp; H | DEPARTMENT MEETING

	Dr. B. Sathishkumar Pro... (Host, me)			
	shanthamani			
	shanthi			
	B. Pavithra, Asst. Prof. (English)			
	Daniel			
	Dr. R. GANESH Asst Prof S&H			
	Dr. S. Prabu ASST. PROF., C...			
	Dr.N.Nalini Asst Prof Chemi...			
	Haripriya			
	Kalaiselvi			
	Karthik			
	Manikandan V			

Dr B Sathishkumar, Professor and Head, Dept. of Science and Humanities, conducted a meeting with the Members of Faculty regarding the Progress of Academic Activities on 12 September 2020.

## ECE | DEPARTMENT MEETING

Zoom Meeting 40-Minutes

Talking: Dr. G. M. Tamilselvan HoD.

**Meeting Topic:** Dr. G. M. Tamilselvan HoD/ECE's Personal Meeting Room

**Host:** Dr. G. M. Tamilselvan HoD/ECE

**Password:** 8VkkXt

**Numeric Password:** 556311  
(Telephone/Room Systems)

**Invite Link:** <https://us04web.zoom.us/j/9516211428?pwd=L2dTUkRTVG...>  
[Copy Link](#)

Join Audio  
Computer Audio Connected

Share Screen

Invite Others

Participants (20)

Find a participant

- Ms.E.L.DHIVYAPRIYA Asst P... (Me) [M]
- Dr. G. M. Tamilselvan Ho... (Host)
- Kiruthiga sundararaj [KS]
- Agnes Shiny Rachel.N
- BANUSELVARASWATHY B [BB]
- Dr K SRINIVASAN
- Dr Senoj Joseph [DS]
- G.Anitha [G]
- Jayarajan P [JP]
- Mr. M. Navin Kumar Asst Prof E...
- Ms. S. Jaipriya Asst Prof ECE [MS]
- Ms.S.Thenmozhi ASST.PROF [MA]
- PRIYA RAMANATHAN [M]
- SANTHAKUMAR G

Unmute Start Video Participants 20 Chat Share Screen Record Leave Invite Unmute Me Raise Hand

Dr G M Tamilselvan, Professor and Head, Dept. of ECE, conducted a meeting with the Members of Faculty regarding the Effectiveness of Online Classes, Research and Placement Activities on 12 September 2020.

## ICE | DEPARTMENT MEETING

Zoom Meeting 40-Minutes

Participants (10)

Find a participant

- Dr. S. Narendiran (lost, me)
- Dilip Kumar
- Dr. P. Manju HOD-ICE
- @gqub00ngudmijj @
- KP KARTHIGAI PANDIAN M
- D Mr. J. Dhanaselvam Asst Prof ICE
- Ajith B Singh

Zoom Group Chat

From Rajesh B to Everyone:  
sure ma'am

To: Everyone

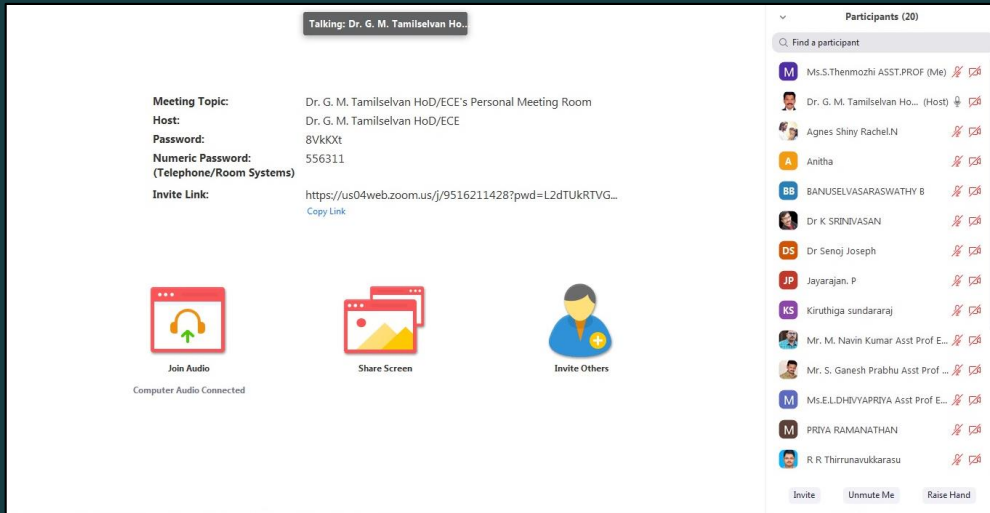
Type message here...

Mute Stop Video Security Participants Chat Share Screen Record Reactions End

Dr P Manju, Professor and Head, Dept. of ICE, conducted a meeting with the Members of Faculty regarding the Effectiveness of Online Classes, Placement Test, Research Activities, FDPs' and IIC details on 13 September 2020.

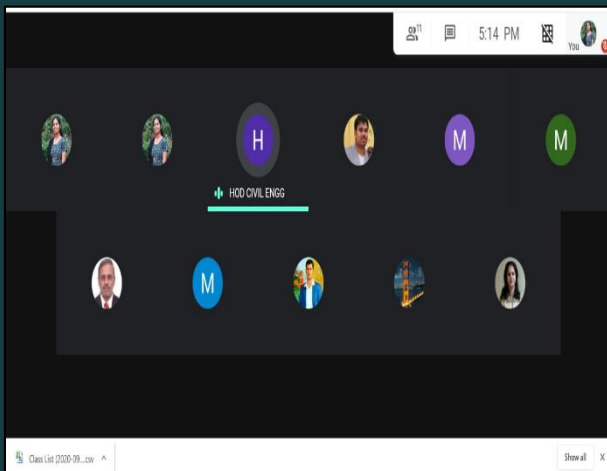


**ECE | DEPARTMENT MEETING**



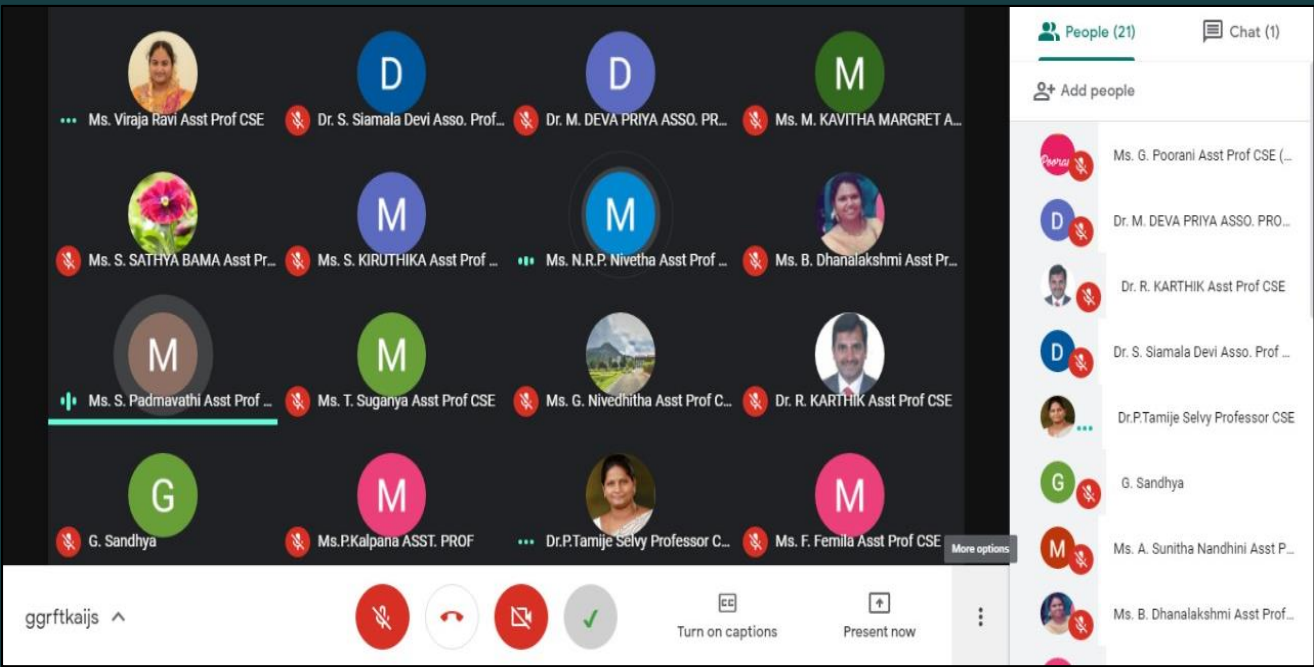
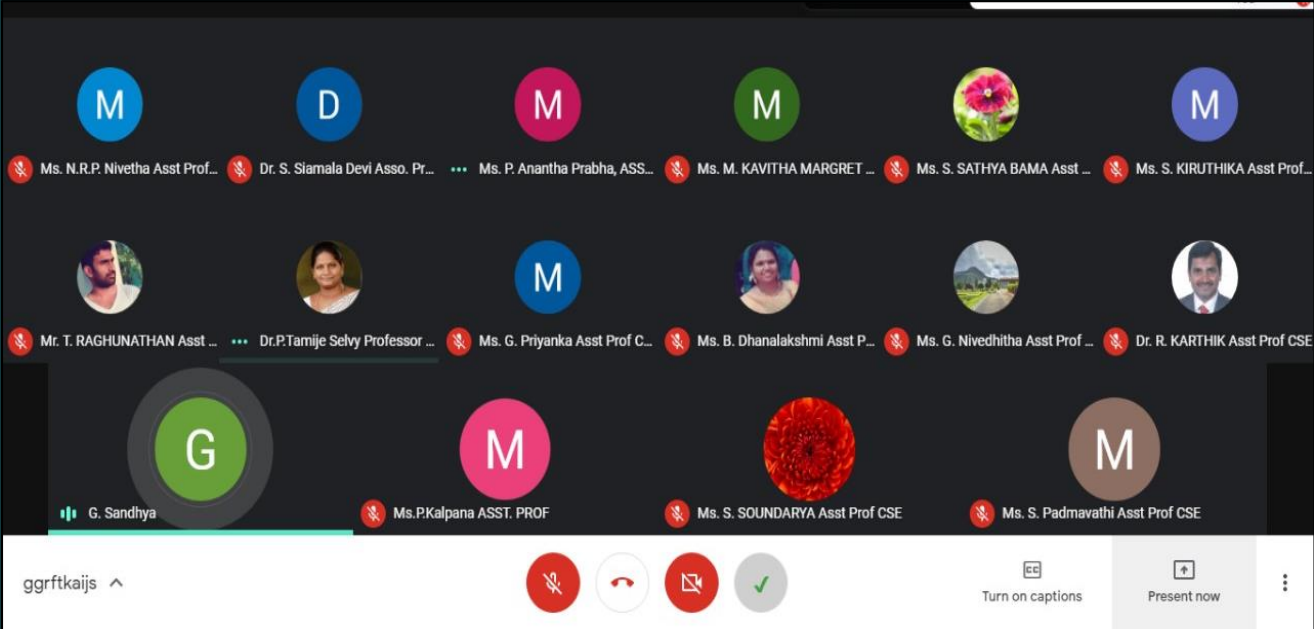
Dr G M Tamilselvan, Professor and Head, Dept. of ECE, conducted a meeting with the Members of Faculty regarding the Effectiveness of Online Classes, Participation of Students in Project Contest and Research Activities on 17 September 2020.

**CIVIL | DEPARTMENT MEETING**



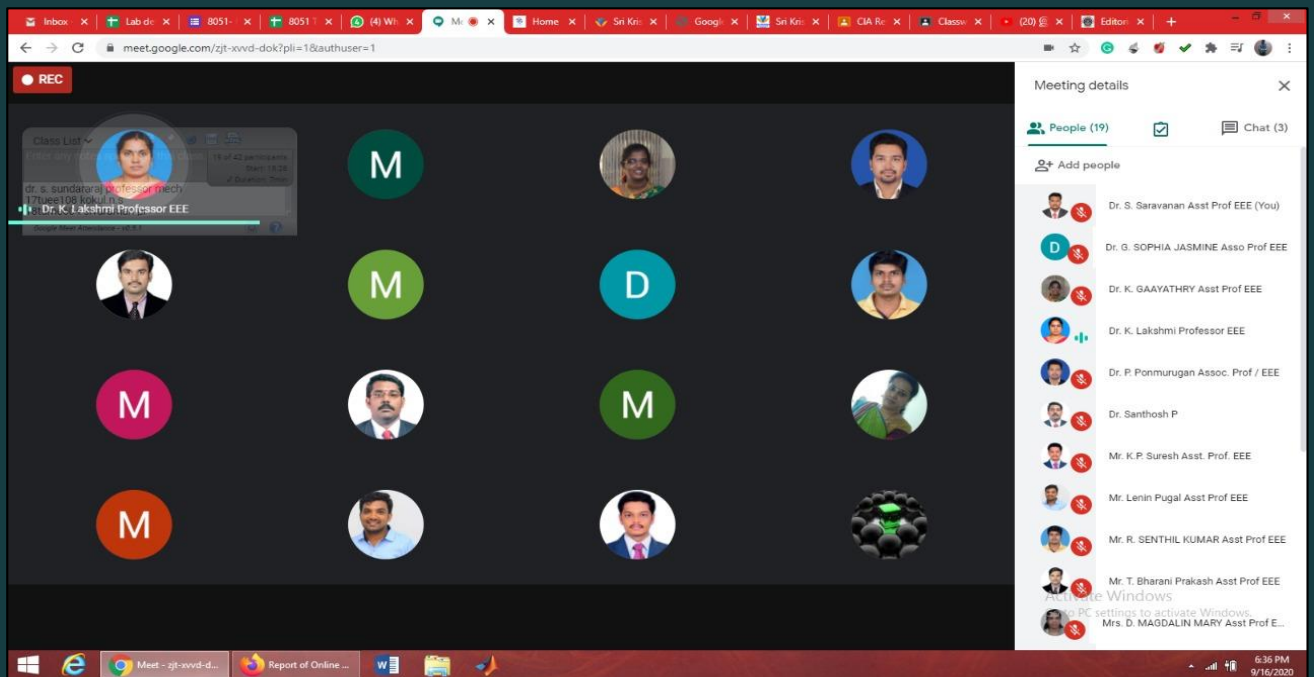
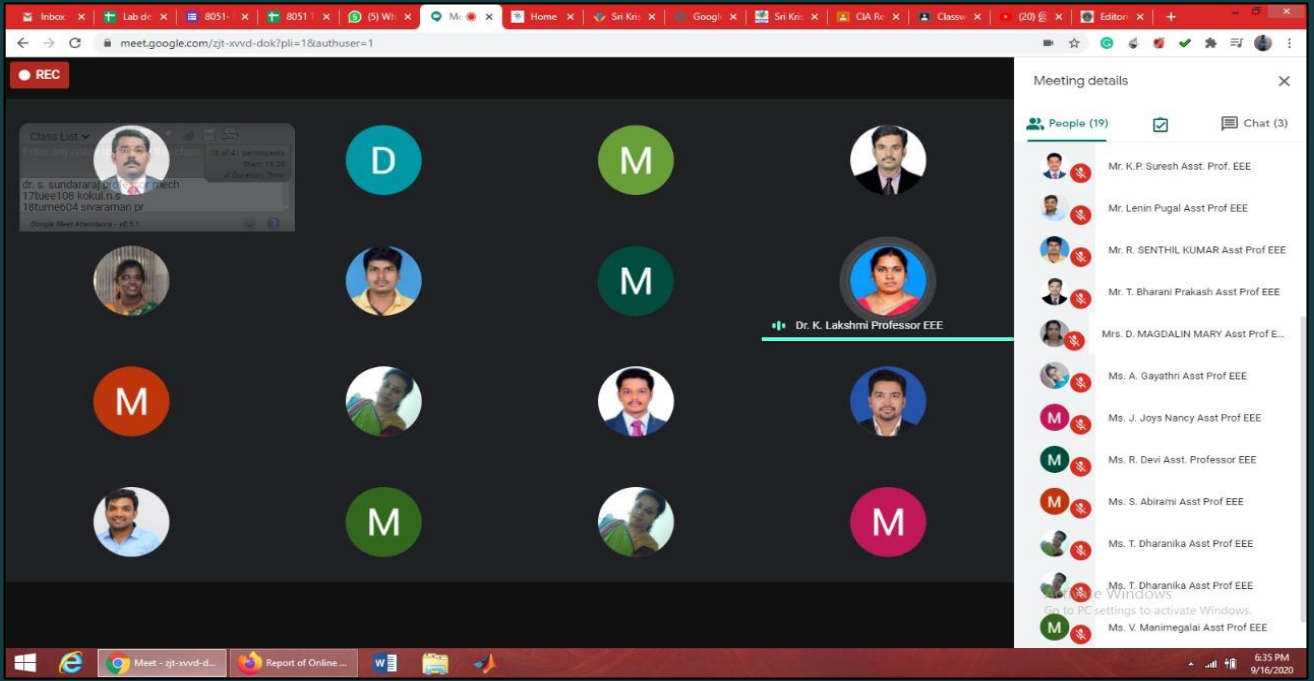
Dr I Padmanaban, Professor and Head, Dept. of Civil Engineering, conducted a meeting with the Members of Faculty regarding the Progression of Online Classes, Academic Activities on 12 September 2020.

# CSE | DEPARTMENT MEETING



Dr P Tamije Selvy, Professor, Dept. of CSE, conducted a meeting with the Members of Faculty regarding the Academic and Placement Activities on 17 September 2020.

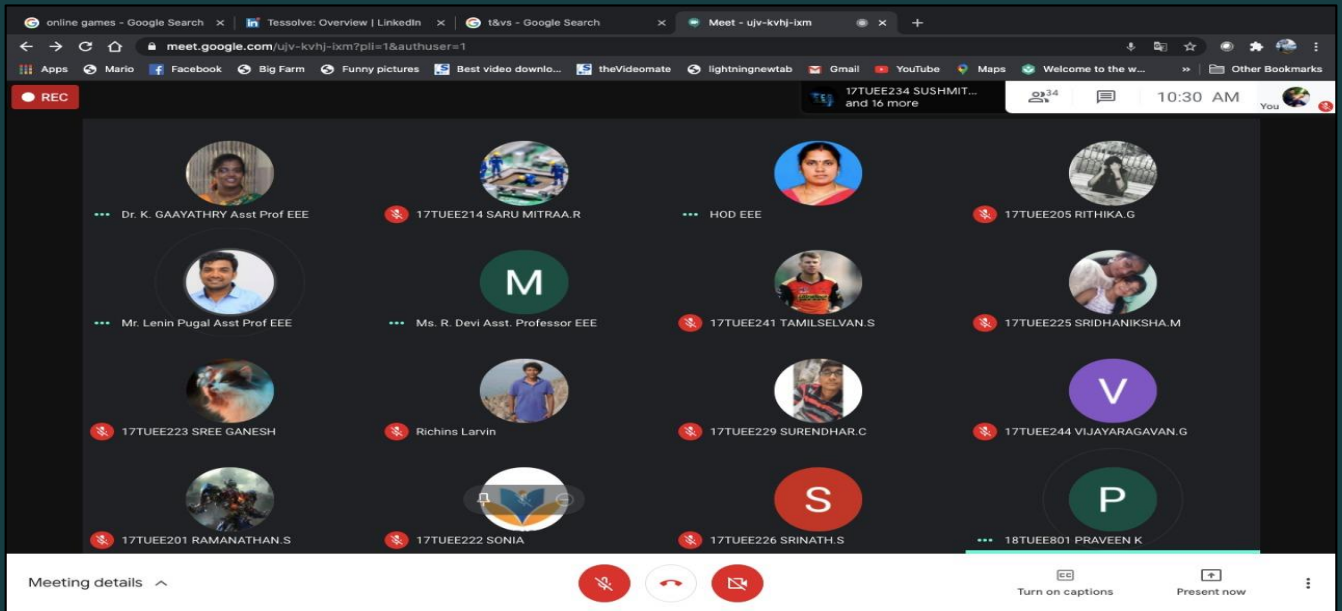
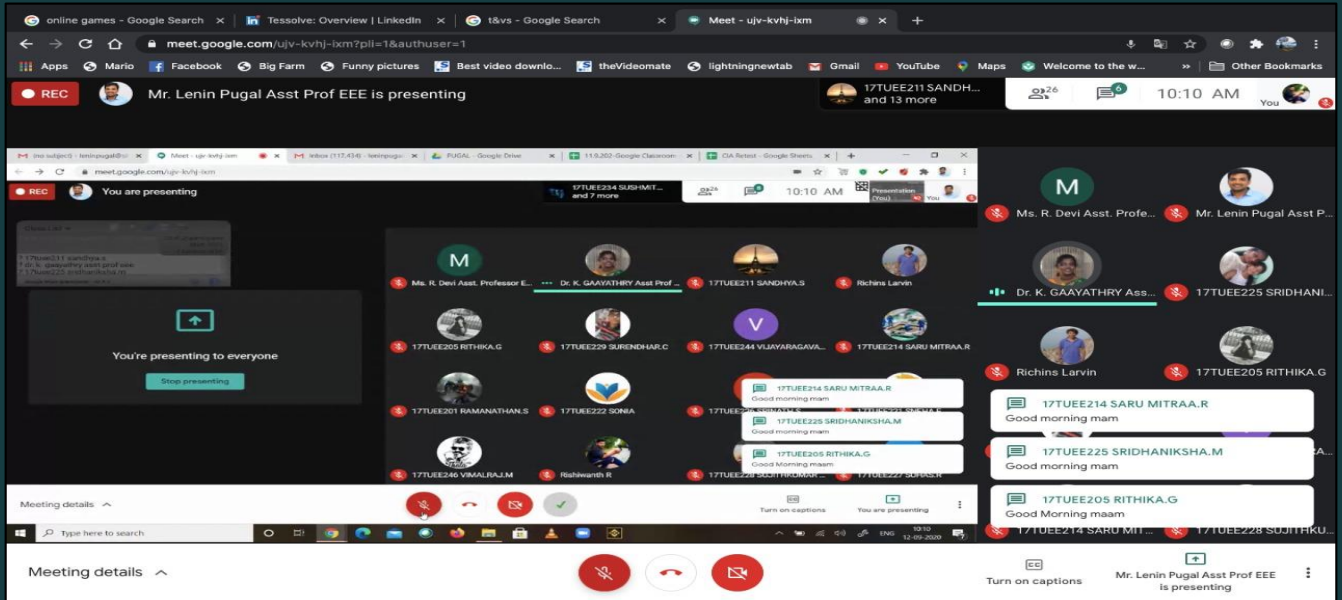
# EEE | DEPARTMENT MEETING



Dr K Lakshmi, Professor and Head, Dept. of EEE, conducted a meeting with the Members of Faculty regarding the Progress of Online Classes, Placement and Academic Activities on 16 September 2020.

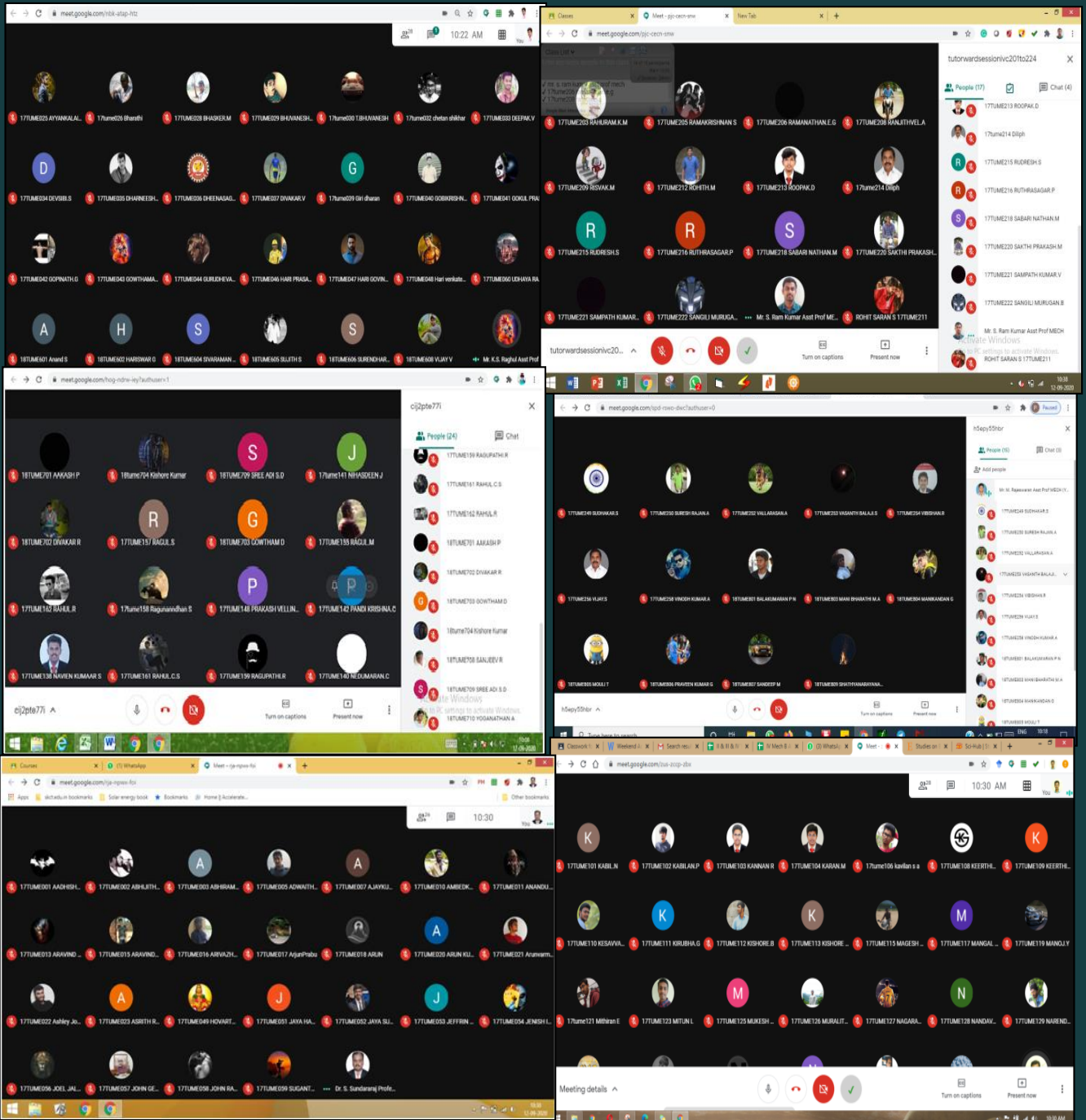


EEE | TUTOR WARD MEETING



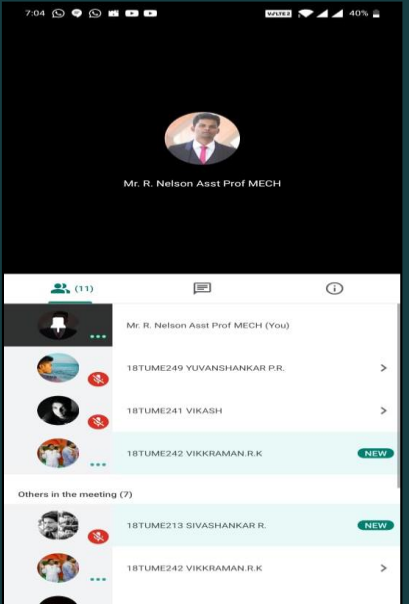
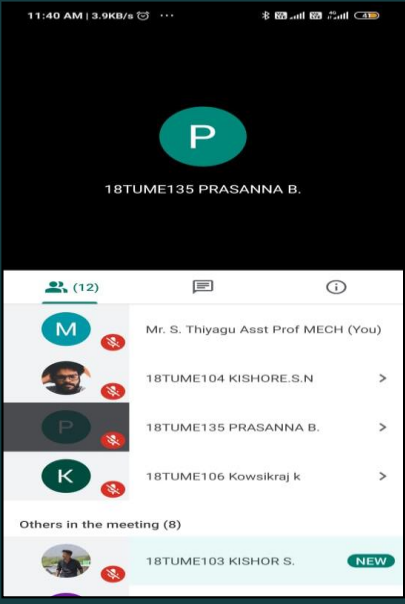
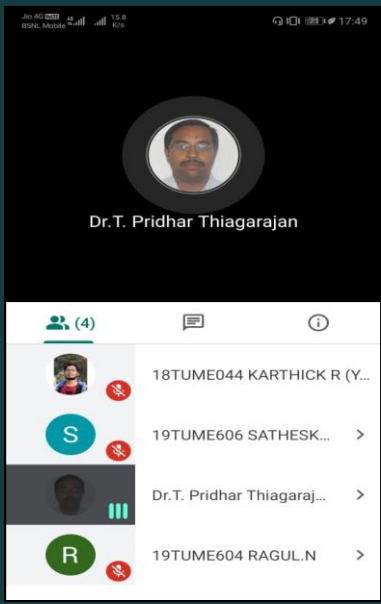
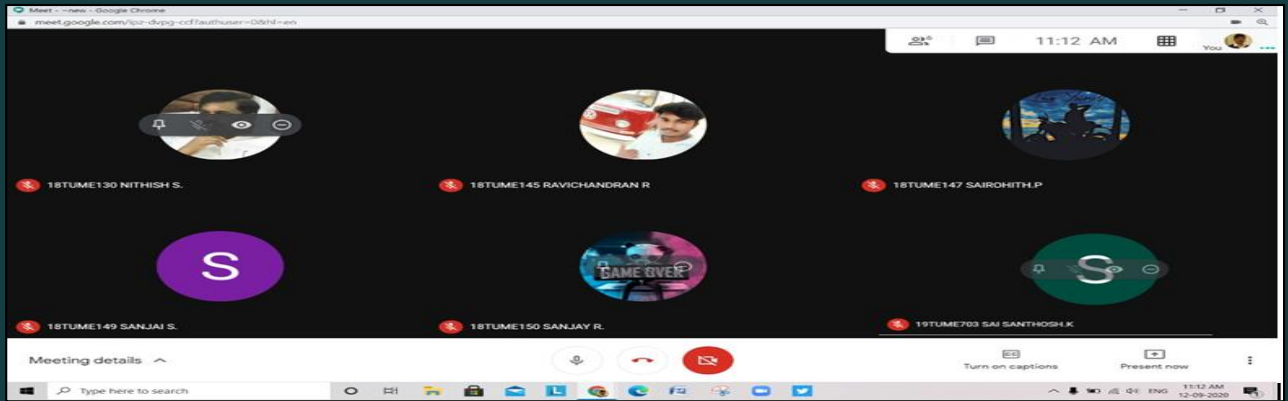
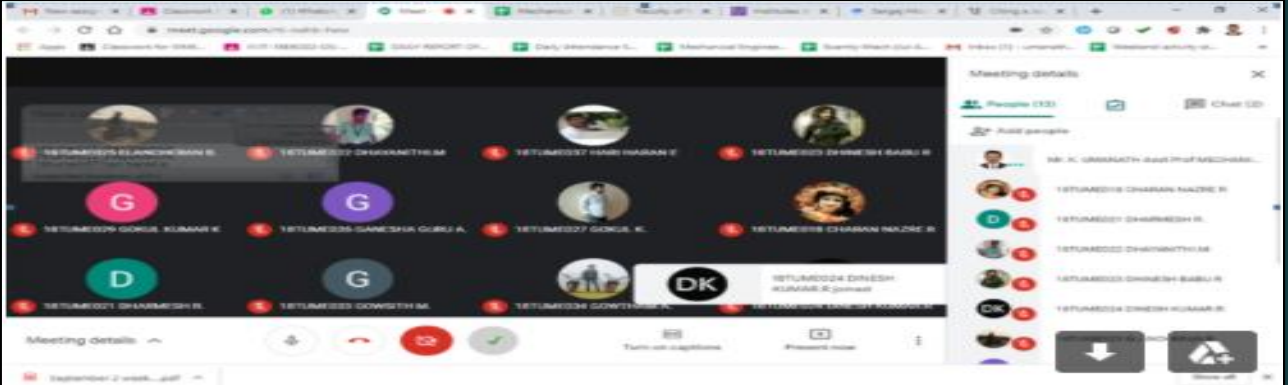
Tutors of Second, Third and Final B.E EEE conducted a Tutor Ward meeting with their respective wards regarding the Progress of Online Classes, Placement and Academic Activities. Dr K Lakshmi, Professor and Head, Dept. of EEE, motivated the students on 12 September 2020.

# MECH | TUTOR WARD MEETING



The Members of faculty from the Dept. of Mechanical Engineering conducted a Tutor Ward meeting for second year students on 12 September 2020.

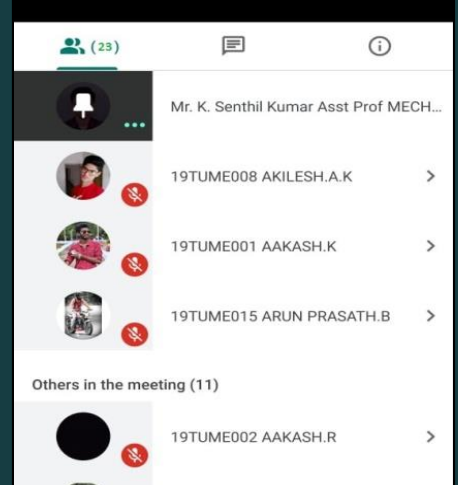
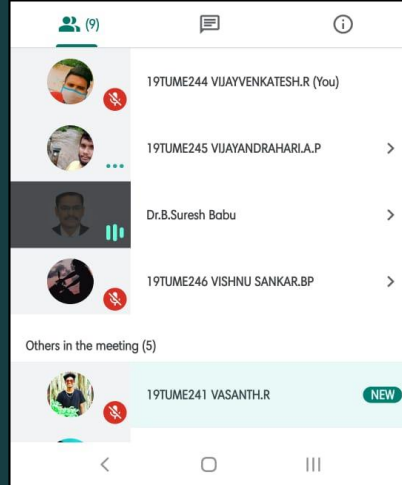
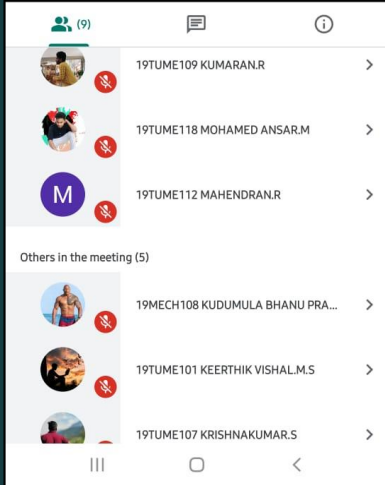
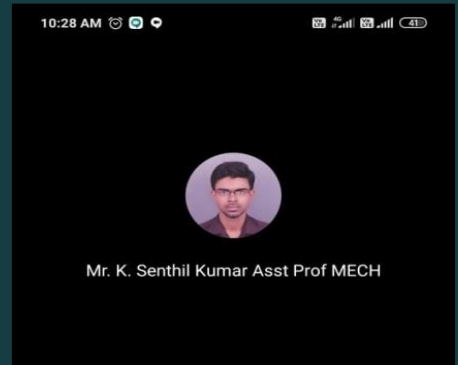
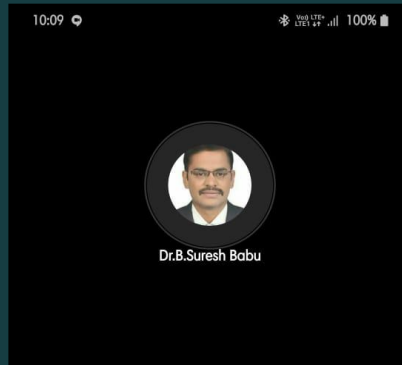
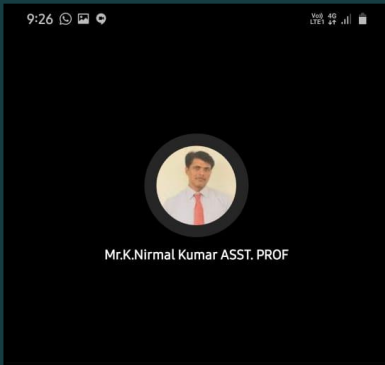
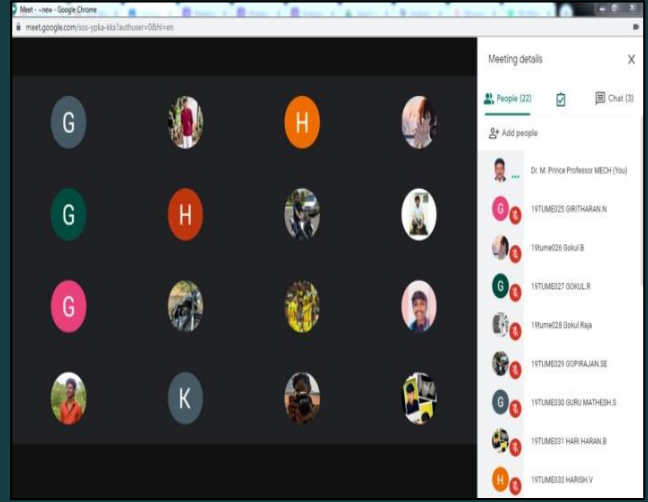
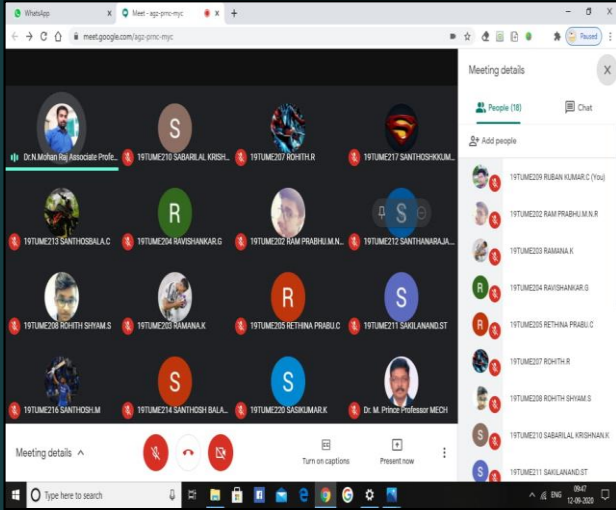
# MECH | TUTOR WARD MEETING



The Members of Faculty from the Dept. of Mechanical Engineering conducted a Tutor Ward Meeting for Third year students on 12 September 2020.

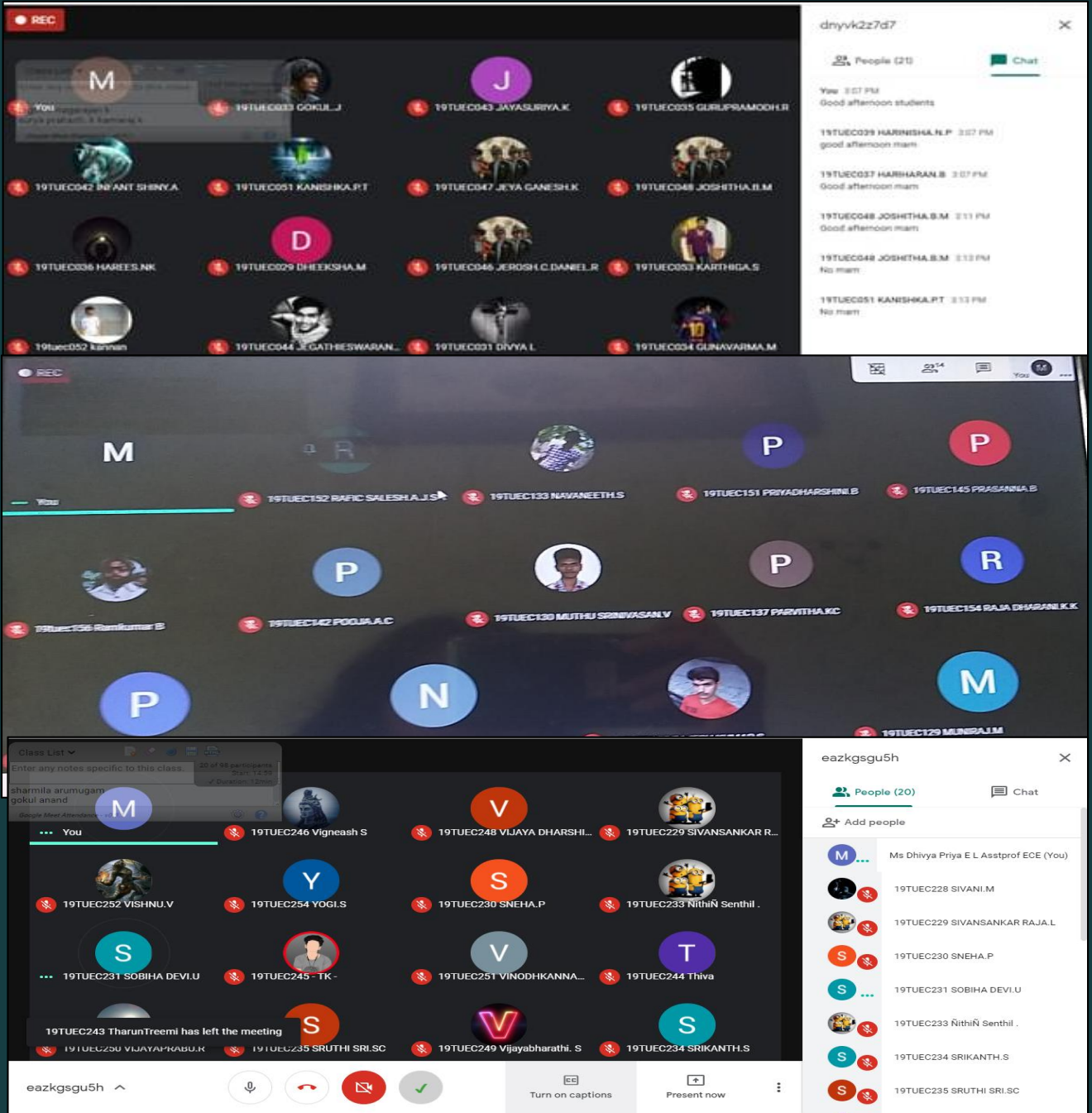


# MECH | TUTOR WARD MEETING



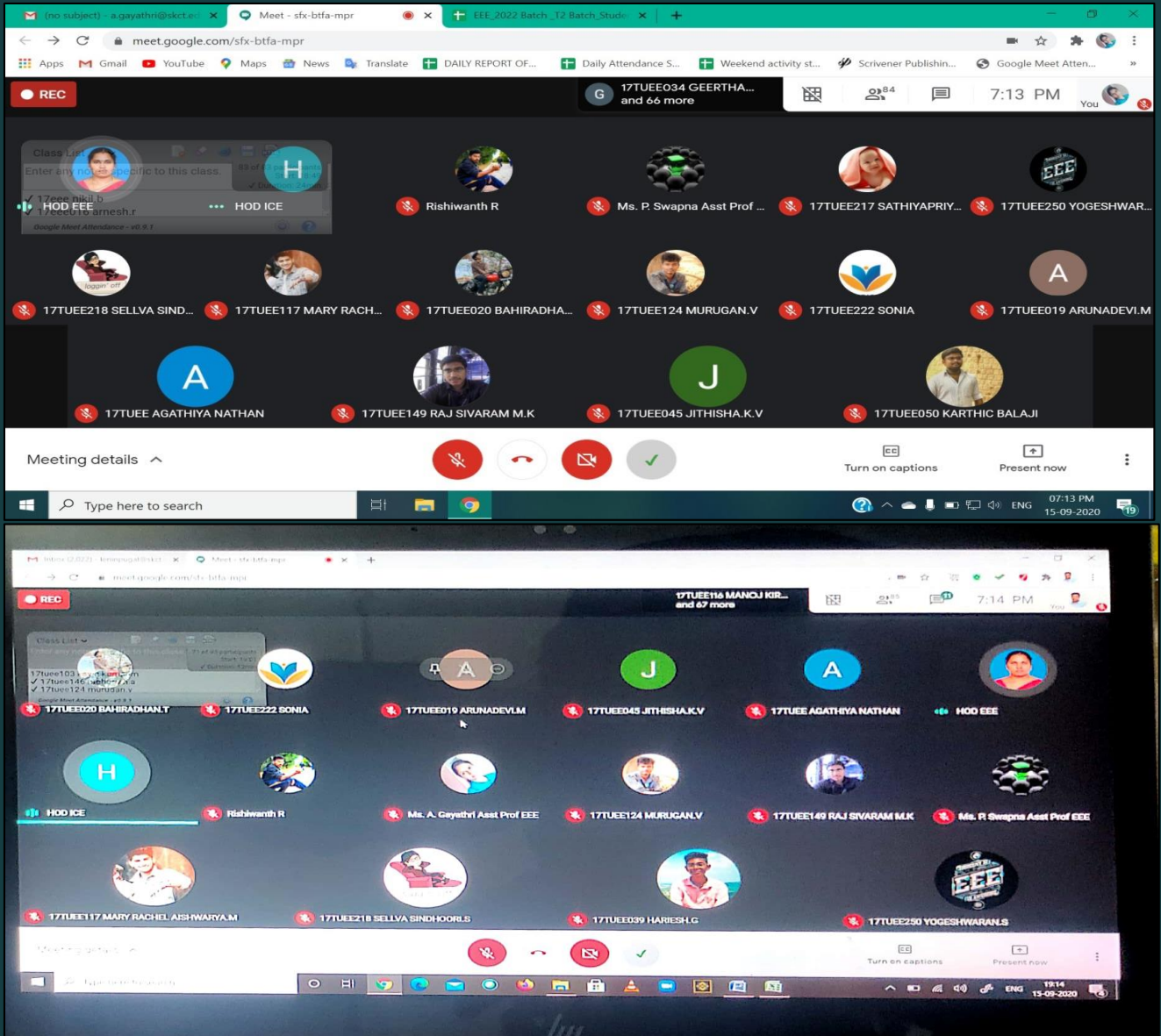
Members of faculty from Dept. of Mechanical Engineering conducted a tutor ward session for Final year students on 12 September 2020.

# ECE | TUTOR WARD MEETING



Tutors of Second B.E. ECE conducted a Tutor Ward meeting with their respective wards regarding the Participation of Students in Project Contest and Virtual Engineer's Day Celebration on 14 September 2020.

## EEE | PLACEMENT MEETING



Dr K Lakshmi, Professor and Head, Dept. of EEE, conducted a meeting with the Students of Final B.E. EEE regarding the Progress of Placement Activities. Dr P Manju, Professor and Head, Dept. of ICE gave the valuable guidelines and suggestions for placement preparation on 15 September 2020.



**SPECIAL EDITION - 17**

# **EVENTS ORGANISED**



**@skctdigest**

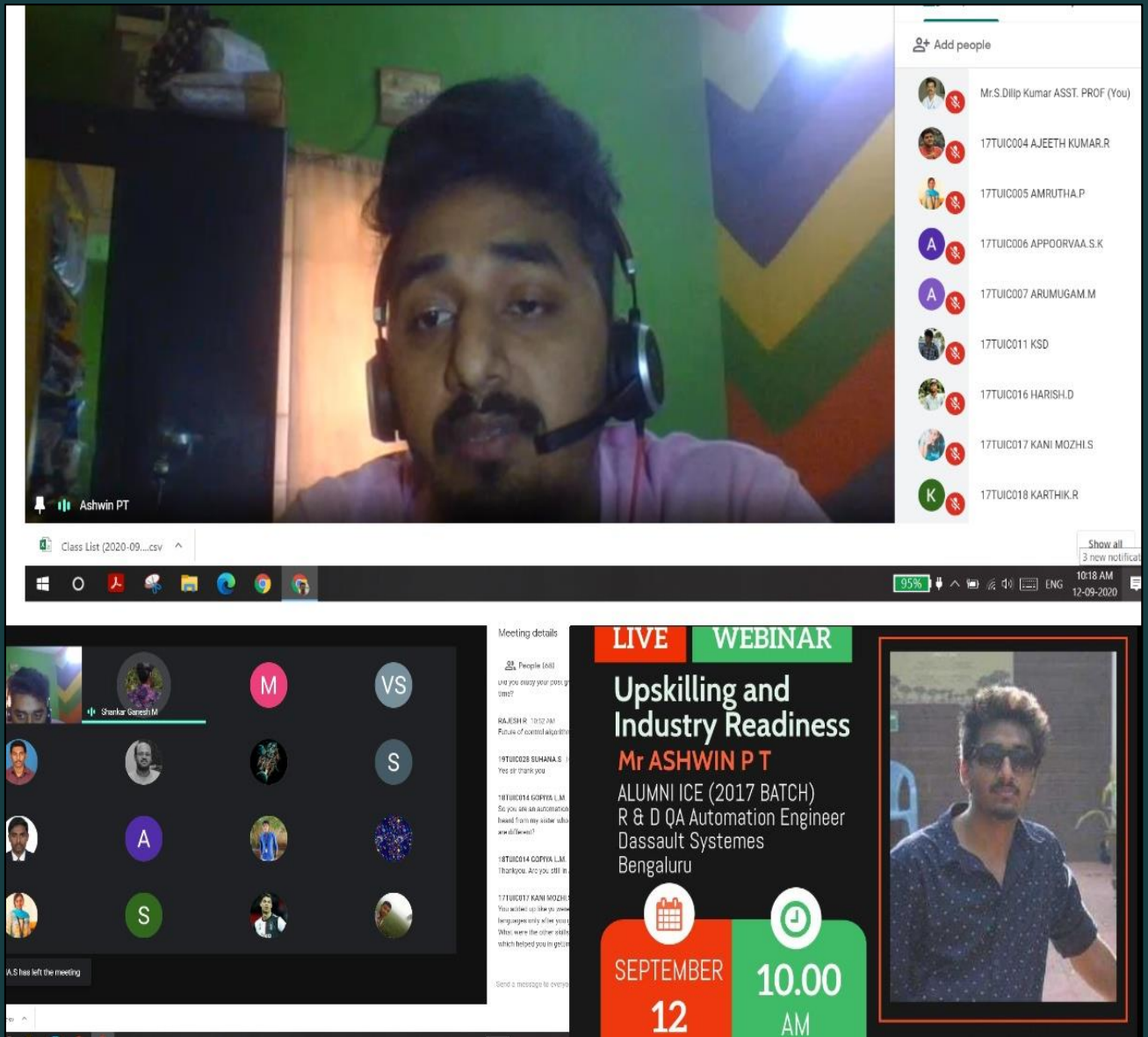


**@skctofficial**



**digestfeedback@skct.edu.in**

# ICE | WEBINAR ORGANISED ON UPSKILLING AND INDUSTRY READINESS



The Dept. of ICE organised a webinar on “**Upskilling and Industry Readiness**” for the Students of ICE. Mr Ashwin, QA Engineer, Dassault Systems, Bengaluru, served as the Resource Person on 12 September 2020.



## SKCT | VIRTUAL ENGINEER'S DAY CELEBRATION 2020





**SRI KRISHNA COLLEGE  
OF TECHNOLOGY**

An Autonomous Institution | Approved by AICTE |  
Accredited by NAAC with 'A' Grade |  
Affiliated to Anna University  
Coimbatore - 641042

*Engineer's Day  
Celebration 2020*



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

### *List of Events*

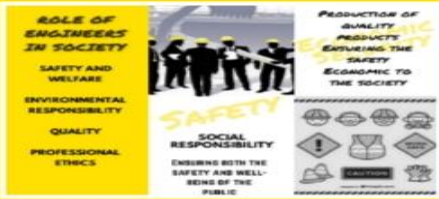
- 📌 INNOVATIVE IDEA GENERATION
- 📌 ENTREPRENEURSHIP DEVELOPMENT
- 📌 SHORT FILM ON INNOVATIONS
- 📌 DRAWING COMPETITION
- 📌 INNOVATION IN MARKETING
- 📌 ENGINEERING QUIZ & LOGO COMPETITION
- 📌 NEW PRODUCT DEVELOPMENT
- 📌 POSTER PRESENTATION
- 📌 TECHNOLOGICAL ADVANCEMENT AND  
ROLE OF ENGINEERS IN ERADICATING COVID

Virtually on **15.09.2020** (Tuesday)

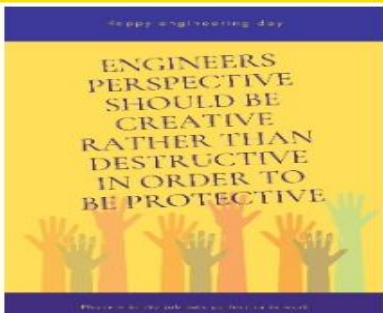
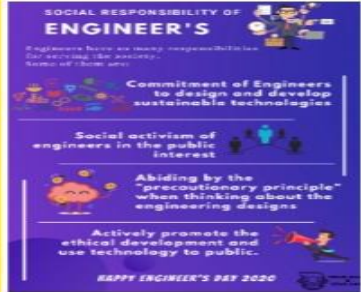
*E - Certificate will be provided*



**S & H | VIRTUAL ENGINEER'S DAY CELEBRATION  
2020**

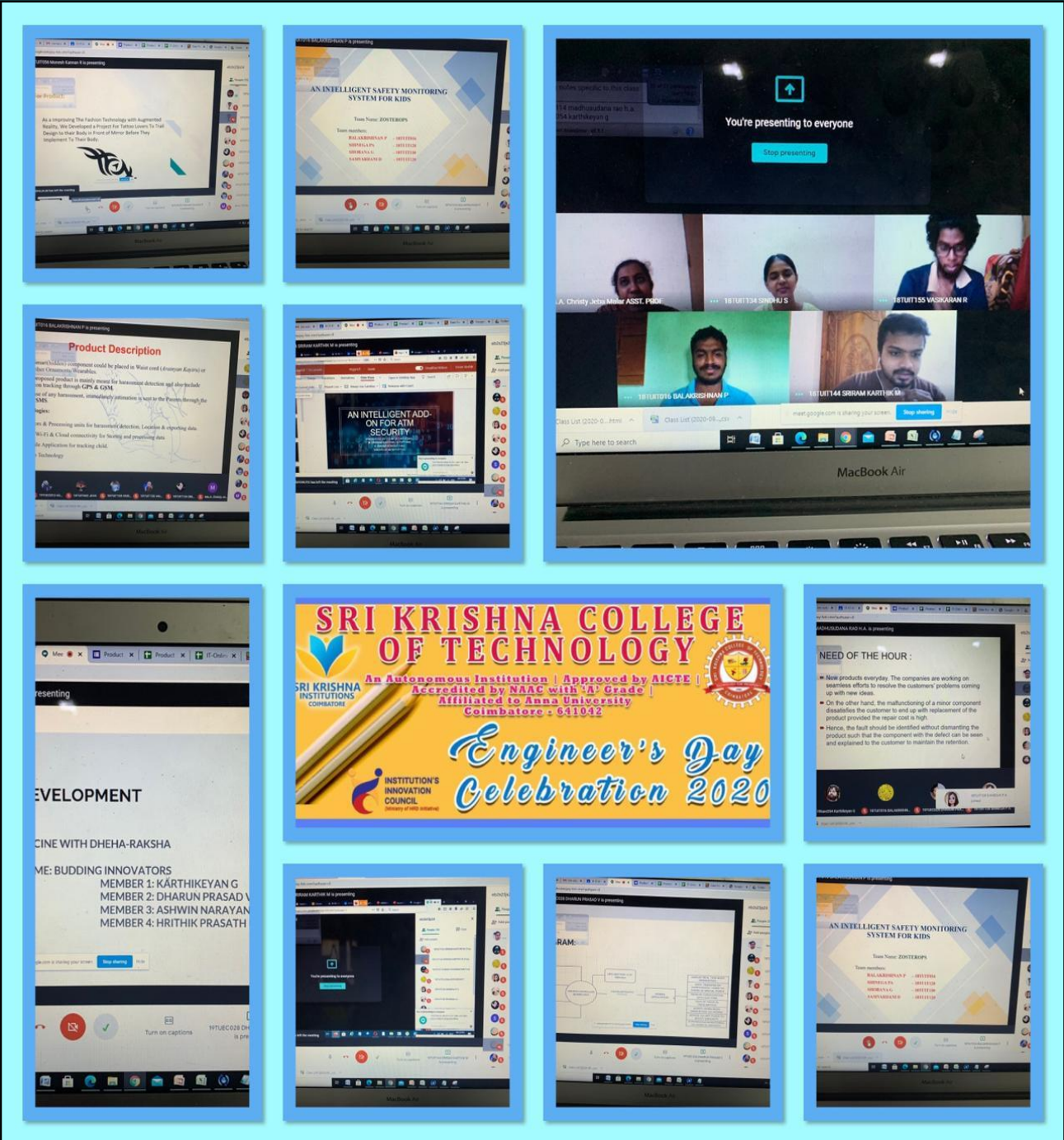


**Engineer's Day Celebration 15.09.2020**  
**Department of Science and Humanities**  
**Event: Poster Presentation**  
**Title: Social Responsibility of Engineers**



The Dept. of Science and Humanities organised a event on “**Poster Presentation**” as a part of Engineer's Day Celebrations 2020 (Virtual Mode) on 15 September 2020.

MECH | VIRTUAL ENGINEER'S DAY CELEBRATION  
2020



The Dept. of Mechanical Engineering organised various events as a part of Engineer's Day Celebration on 15 September 2020.



## CIVIL | VIRTUAL ENGINEER'S DAY CELEBRATION 2020

REC 19TUEC028 DHARUN PRASAD V is presenting

arbbssbgtq X

People (17) Chat (1)

Add people

Mr. J. ROBINSON Asst Prof CIVIL (You)

18TUEC207 PRIYADHARSHINI M

18TUEC216 SAIVARSHITHA.S

18TUT144 SRIRAM KARTHIK M

19TUCS103 KAMALIE K

19TUCS116 LOGHADHARSHAN.D

19TUCS127 MOHAMMED AZEER.K

19TUEC003 ADHAVAN.B

19TUEC014 ASWIN ANAND.M

19TUEC015 ASWIN RAGHAVENDRAA..

19TUEC028 DHARUN PRASAD V

19TUEC028 DHARUN PRASAD V (Pre-... to activate Windows.

19TUEC041 HRITHIK PRASATH.U

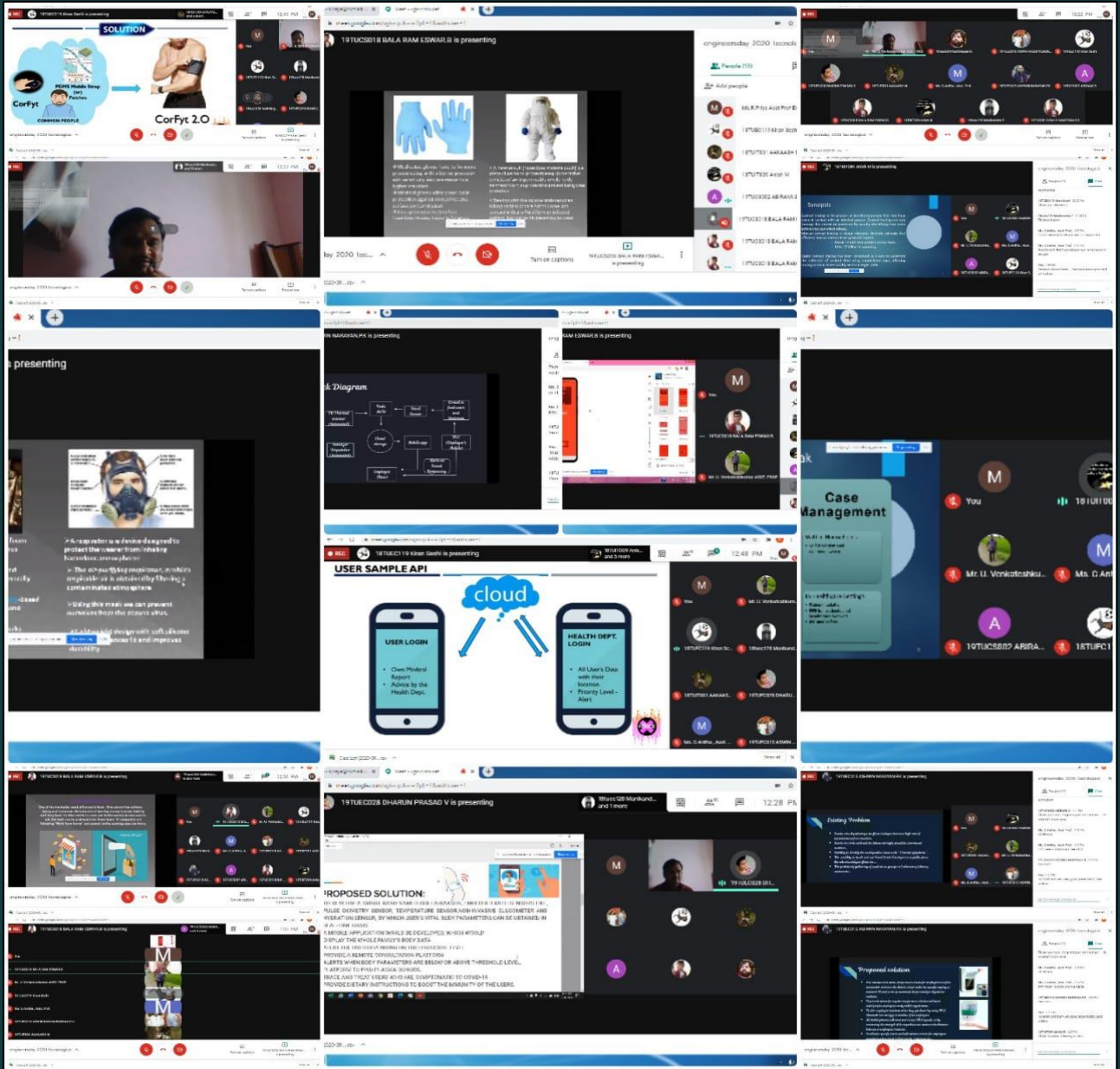
PROPOSED SOLUTION:

- TO DEVELOP A SMART BAND NAMED DHEHA-RAKSHA, EMBEDDED WITH SENSORS LIKE, PULSE OXIMETRY SENSOR, TEMPERATURE SENSOR, NON-INVASIVE GLUCOMETER AND HYDRATION SENSOR, BY WHICH USER'S VITAL BODY PARAMETERS CAN BE OBTAINED IN REAL-TIME BASIS.
- A MOBILE APPLICATION WOULD BE DEVELOPED, WHICH WOULD:
  - DISPLAY THE WHOLE FAMILY'S BODY DATA
  - ALERT THE USER DEPENDING ON THEIR GLUCOSE LEVEL
  - PROVIDE A REMOTE CONSULTATION PLATFORM
  - ALERTS WHEN BODY PARAMETERS ARE BELOW OR ABOVE THRESHOLD LEVEL.
  - PLATFORM TO FIND PLASMA DONORS.
  - TRACE AND TREAT USERS WHO ARE SYMPTOMATIC TO COVID-19
  - PROVIDE DIETARY INST... OF THE USERS.

The Dept. of Civil Engineering organised **“Innovative Idea Generation Event”** as a part of Engineer’s Day Celebration on 14 September 2020.

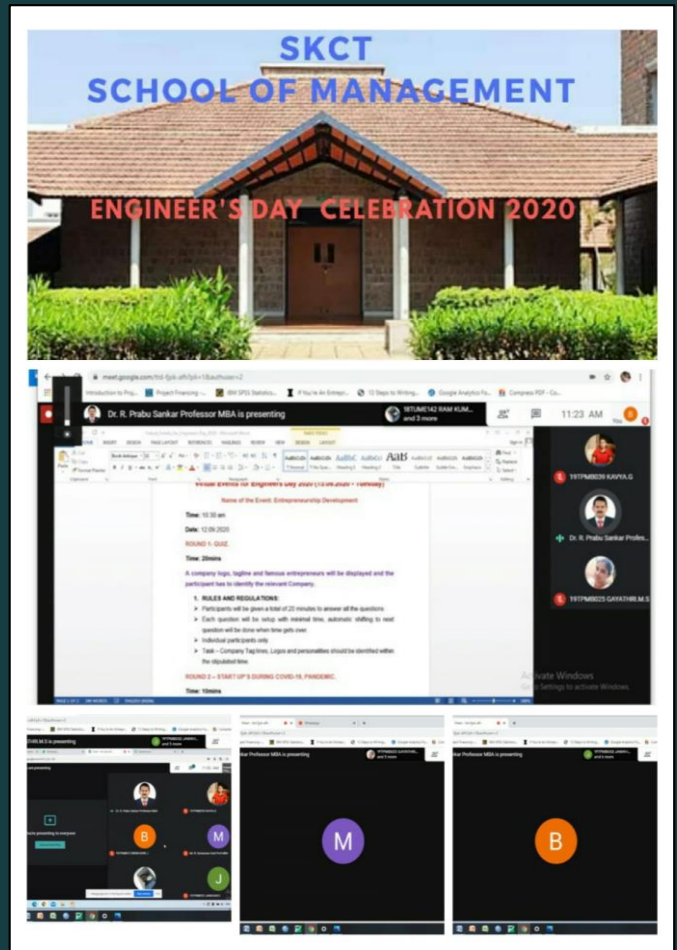
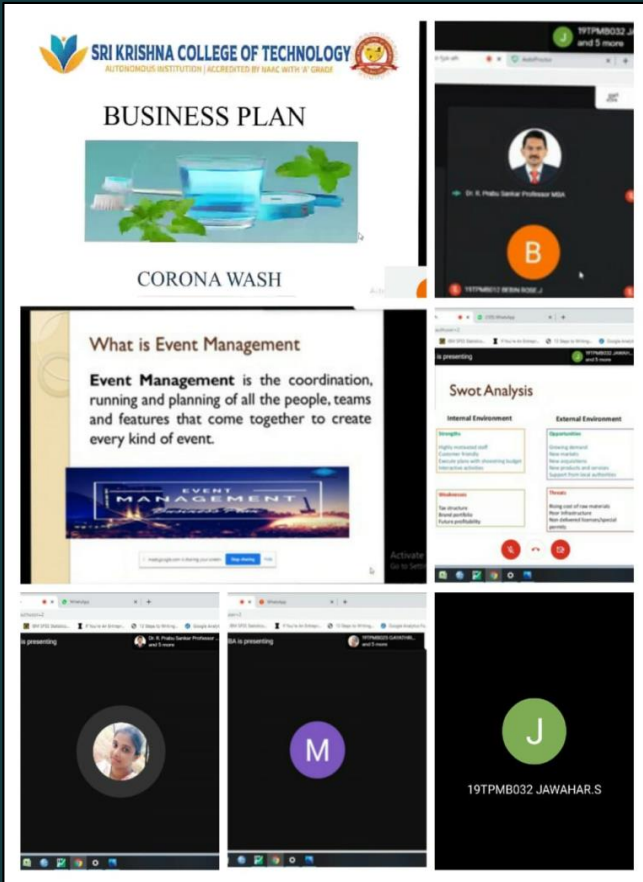


ECE | VIRTUAL ENGINEER'S DAY CELEBRATION 2020



The Dept. of ECE organised a event on "Technological Advancement and Role of Engineers in Eradicating COVID" as a part of virtual Engineer's Day Celebration. Ms G Anitha, Mr U Venkateshkumar and Ms R Priya, Asst. Professors, Dept. of ECE, coordinated the event on 15 September 2020.

SoM| VIRTUAL ENGINEER'S DAY CELEBRATION



The School of Management organised the “**Entrepreneurship Development Event**” as a part of Engineer’s Day Celebration 2020 on 12 September 2020.



EEE | VIRTUAL ENGINEER'S DAY CELEBRATION



Students of Sri Krishna College of Technology actively participated in the “Drawing Competition” organised by the Dept. of EEE as a part of Engineer’s Day Celebration on 15 September 2020.



**SPECIAL EDITION - 17**

# **STUDENTS' ACTIVITY**



**@skctdigest**

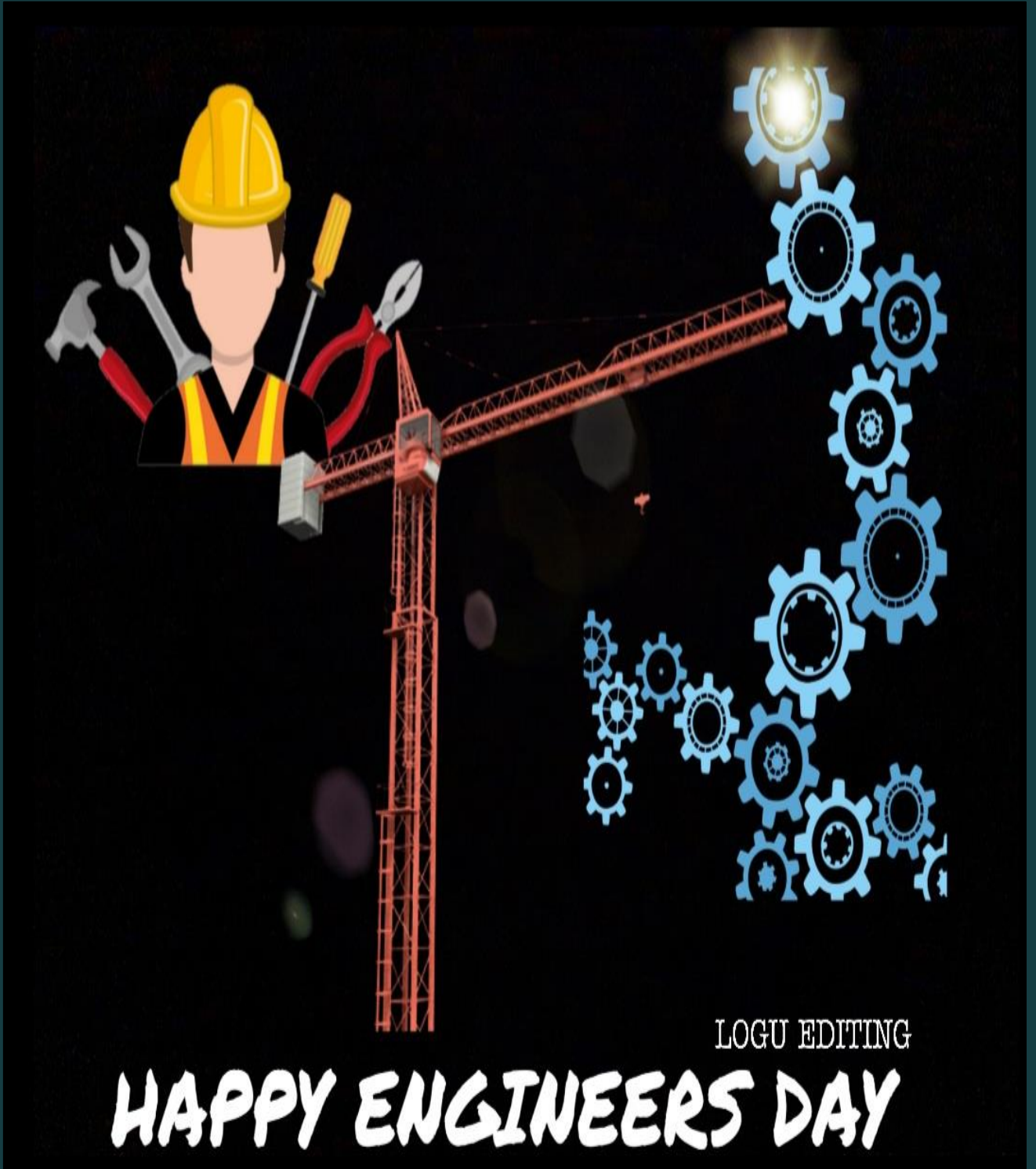


**@skctofficial**



**digestfeedback@skct.edu.in**

**STUDENT 'S ACTIVITY | EDITING**



Mr S Logesh, Student of Second M.E. Structural Engineering.