SKCT DIGEST

31 MAY - 04 JUN 2021

SPECIAL ISSUE - 54

SPECIAL EDITION

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

ALUMNA CORNER Pg.no : 03 - 04

SKCT | GREEN CAMPUS Pg.no : 05 - 07

STUDENTS' PARTICIPATION Pg.no : 08 - 28

FACULTY PARTICIPATIONS Pg.no : 29 - 36

RESEARCH Pg.no : 37 - 49

NEW VISTAS OF LEARNING Pg.no : 50 - 61

FDPs ATTENDED Pg.no : 62 - 73

MEETINGS & DISCUSSIONS Pg.no : 74 - 82

EVENTS ORGANISED Pg.no : 83 - 109

WORLD NO TOBACCO DAY Pg.no : 110- 116

ALUMNA CORNER

@skctdigest

@skctofficial

digestfeedback@skct.edu.in

ECE | ALUMNA CORNER

Ms Praseetha, Alumna (Batch 2016 – 2020), Dept. of ECE, commissioned as **"Naval Officer – Sub Lieutenant (Rank)"** and will be joining the **"Asia's Largest Naval Academy for Training".**

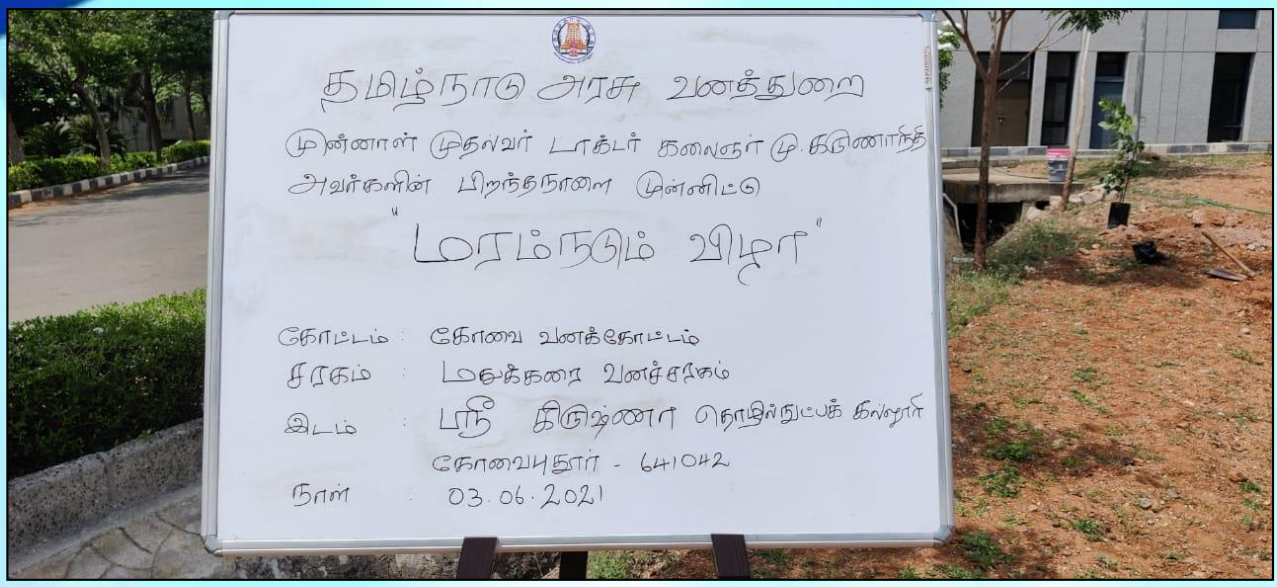
SKCT | GREEN CAMPUS

@skctdigest

@skctofficial

digestfeedback@skct.edu.in

SKCT | GREEN CAMPUS



Dr Srinivasan Alavandar, Principal, planted 200 saplings on the occasion of Former Chief Minister M Karunanidhi's Birth Anniversary at Sri Krishna College of Technology, Coimbatore on 03 June 2021.

SKCT | GREEN CAMPUS

*கோவை வனக்கோட்டம், மதுக்கரை வனச்சரகம், கோவைப்புதூரில் உள்ள ஸ்ரீ கிருஷ்ணா தொழில் நுட்பக் கல்லூரி வளாகத்தில் முன்னாள் முதல்வர் கலைஞர் கருணாநிதியின் பிறந்தநாளை முன்னிட்டு 200 மரக்கன்றுகளை நட்டியது. *.

*முன்னாள் தமிழக முதலமைச்சர் கருணாநிதியின் 98-வது பிறந்த தினம் கோவை வனக்கோட்டம், மதுக்கரை வனச்சரகம், கோவைப்புதூரில் உள்ள ஸ்ரீ கிருஷ்ணா தொழில் நுட்பக் கல்லூரியுடன் இணைந்து அனுசரித்தது. இதில் இவரின் ஞாபகமாக 200 மரக் கன்றுகளை இக் கல்லூரி வளாகத்தில் நட்டினார்கள். *.

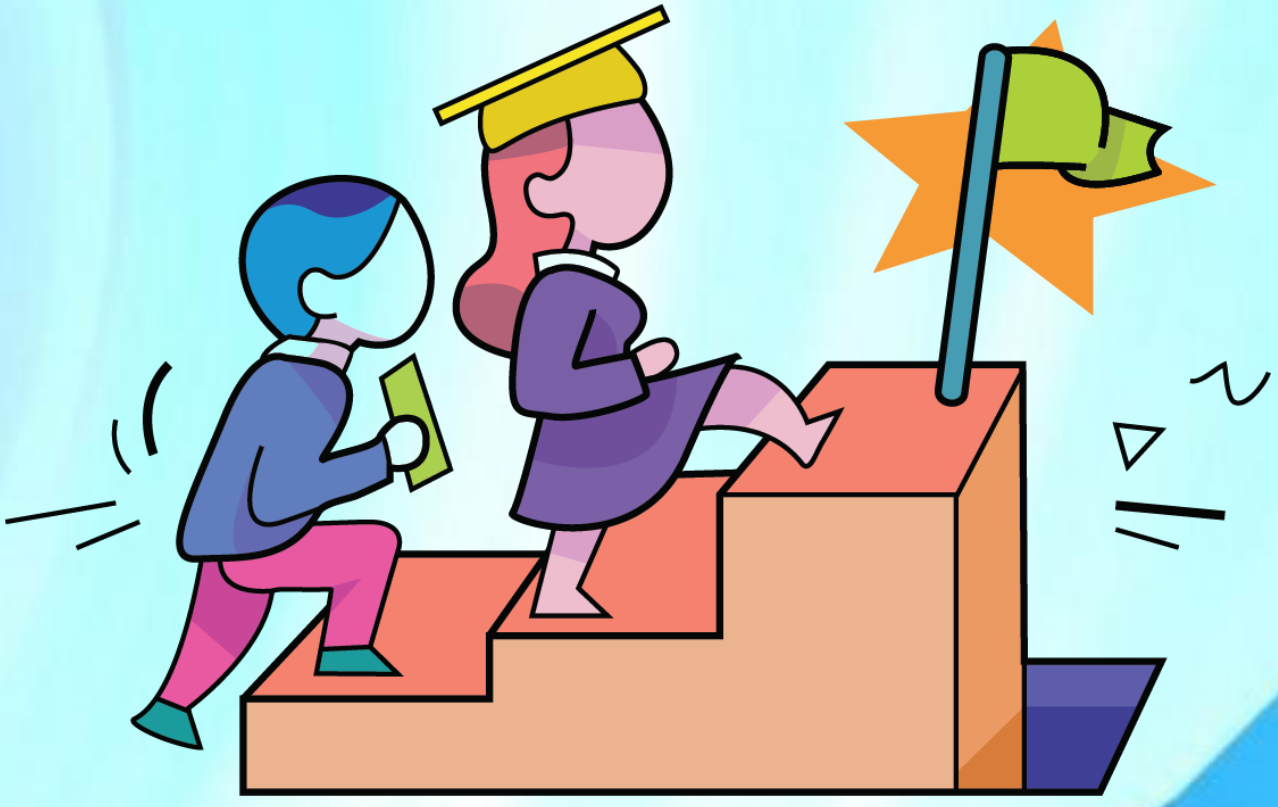
*இம் மரம் நடும் நிகழ்ச்சியில், இக் கல்விக் குழுமங்களின் நிர்வாக அறங்காவலர். எஸ். மலர்விழி முன்னிலை வகிக்க, கோவை, வனக்கோட்டம் உதவி வனப் பாதுகாவலர் செந்தில்குமார் தலைமையில் நடப்பட்டது. *.

*இதில் இக் கல்விக் குழுமங்களின் முதன்மை நிர்வாக அதிகாரி முனைவர். கே. சுந்தரராமன், கல்லூரியின் முதல்வர் முனைவர் சீனிவாசன் ஆளவந்தார், வனச்சரக அலுவலர், கல்லூரியின் நிர்வாக அலுவலர் கலந்துகொண்டனர். *.

*இதில் வேம்பு, புங்கன், மகாகனி உட்பட பல்வேறு வகையான மரங்கள் நடவு செய்யப்பட்டது. இதை முழுமையாக வளர அனைத்து பராமரிப்பினையும் செய்யவுள்ளது. மேலும் இக் கல்லூரி வளாகத்தில் முன்னாள் இந்திய ஜனாதிபதி அப்துல்கலாம் நினைவாக, நடிகர் விவேக் போன்ற பிரபலமானவர்கள் இக் கல்லூரியில் நட்டிய அனைத்து மரங்களும் முழுமையாக வளர்ந்து பராமரிக்கப்பட்டுவருவது குறிப்பிடத்தக்கது. *.

Saran
03 ஜூன்
59 காட்சிகள்

STUDENTS' PARTICIPATION



@skctdigest

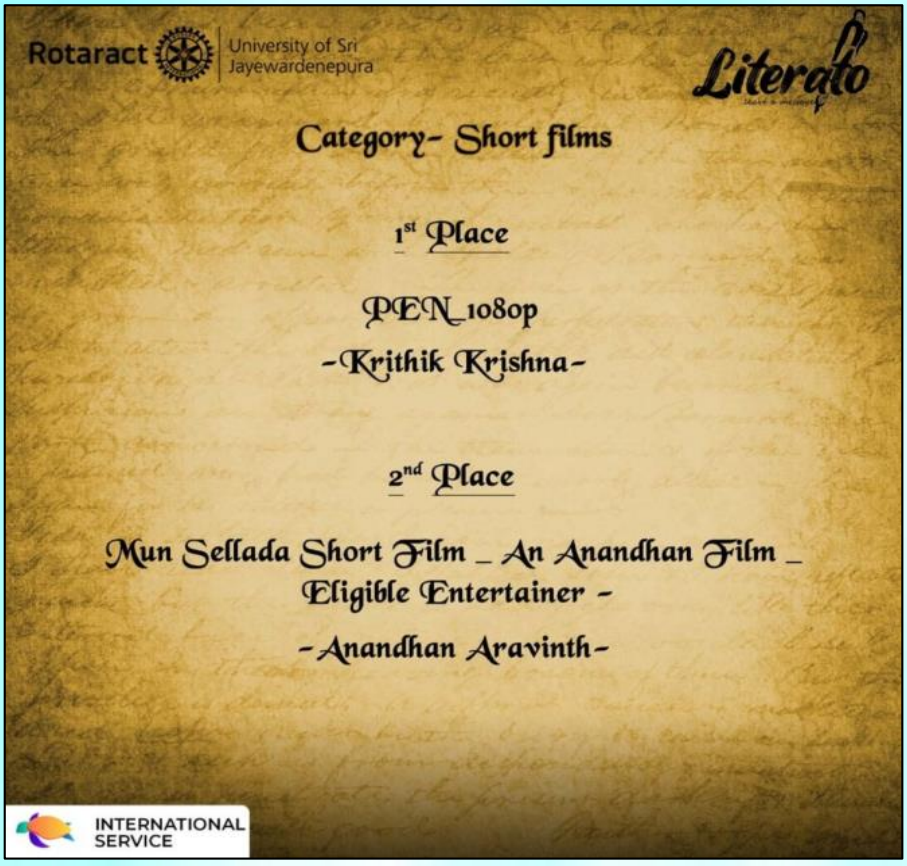
@skctofficial

digestfeedback@skct.edu.in

IT | STUDENTS' PARTICIPATION | INTERNATIONAL LEVEL VIRTUAL HACKATHON – TECHNOVACION'21

Ms Mirudhula M R, Ms Kavya C M, Ms Loganayaki K and Mr Guhan Saravanan M, Students of Third B.Tech. IT A section, participated in **"International Level Virtual Hackathon – TECHNOVACION'21"** organised by Sai Ram Engineering College, Chennai during 13-15 May 2021.

CSE | STUDENT ACHIEVEMENT | 1ST PLACE IN SHORT FILM COMPETITION

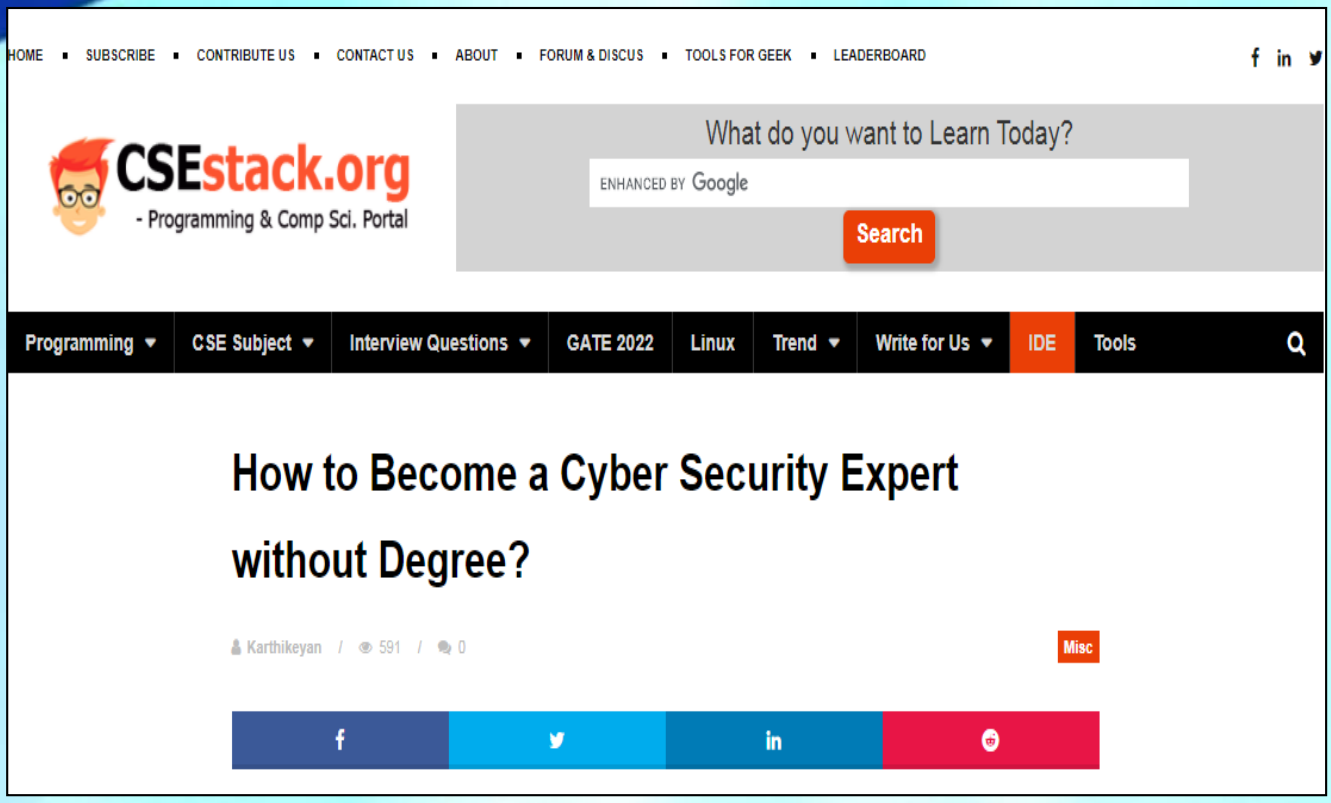


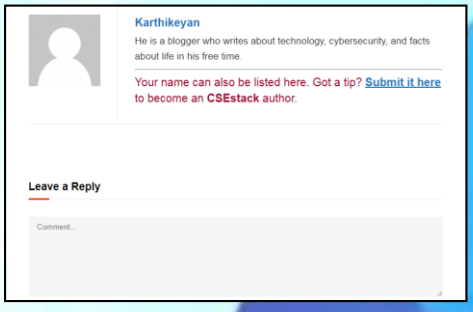
Mr Krithick Krishnna B R, Student of Final B.E. CSE B section, secured the **"First Place in Short Film Competition"** at Tamil Nadu Level organised by Literato Team.

CIVIL | STUDENT ACHIEVEMENT | ARTIFEX 2021

Mr Sampruth Pirabakaran, Student of Third B.E. Civil Engineering, bagged the First Prize in "**Mad Over Marketing Contest – ARTIFEX 2021**" organised by Sri Venkateswara College of Engineering, Chennai on 21 May 2021.

ECE | STUDENT ACHIEVEMENT | BLOG DEVELOPER





Mr S Karthikeyan, Student of Second B.E. ECE B section, developed a blog on **"How to Become a Syber Security Expert without a Degree?"** in CSEStack.org.

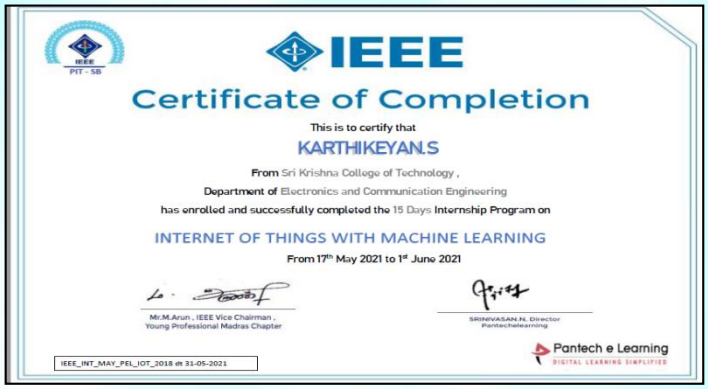
IT | STUDENTS' INTERNSHIP | INTERNET OF THINGS WITH MACHINE LEARNING

Mr Manikandan P, Mr Gowtham D, Mr Dhinakaran S, Ms Gayathri Devi C J, Mr Ganesan B B and Mr Dhinesh Kumar R, Students of Third B.Tech. IT A section, completed a Fifteen-day Virtual Internship Program on **"Internet of Things with Machine Learning"** offered through IEEE and Pantech e Learning during 17 May-01 June 2021.

IT | STUDENTS' INTERNSHIP | FUNCTION WEB DEVELOPMENT AND DESIGNING

Ms Harini T and Ms Hareni M, Students of Third B.Tech. IT A section, completed a Virtual Internship Programme on "**Function Web Development and Designing**" organised by the Sparks Foundation.

ECE | STUDENT INTERNSHIP | INTERNET OF THINGS WITH MACHINE LEARNING



Mr S Karthikeyan, Student of Second B.E. ECE B section, completed a Virtual Internship Programme on "**Internet of Things with Machine Learning**" offered through IEEE during 17 May-01 June 2021.

IT | STUDENT INTERNSHIP | WEB DESIGN

TO WHOM IT MAY CONCERN

This is to certify that Mr/Ms KAVIYA VIKASHINI . M (19TUIT040) a student of SRI KRISHNA COLLEGE OF TECHNOLOGY (IT THIRD YEAR) has successfully completed 15 days (From 13th May 2021 to 31st May 2021) WEB DESIGN INTERNSHIP PROGRAM at AICL, CHENNAI.

During the period of his/her internship program with us he/she was found, punctual, hardworking and inquisitive.

We wish his/her every success in life.

INTERNSHIP CERTIFICATE

Ref: 202105-AICL-WDB7-10653

Date: 01-06-2021

Vice President - Training, AICL

3rd Floor, EA Chambers (Express Avenue) No 49 & 50 L, Whites Road, Royapettah, Chennai 600014, Tamil Nadu, India.

Ph: 91 95979 40880 Mail: support@aicl.training

Ms Kaviya Vikashini M, Student of Third B.Tech. IT A section, completed a Fifteen-day Virtual Internship Program on **"Web Design"** organised by AICL, Chennai during 13-31 May 2021.

IT | STUDENT INTERNSHIP | SALESFORCE ADMINISTRATION

Technoladders
SOLUTIONS

Date: 28th May 2021

TO WHOM IT MAY CONCERN

This is to certify that **Ms. Keertiga Arjunan** has done her internship in **Salesforce Administration** at **Technoladders Solutions Private Limited**, Chennai, from 4th **January 2021** to 31st **March 2021**.

She has learnt the Basics of **Salesforce** and **Administration** and successfully implemented her Knowledge in our Projects.

During her internship, she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations, and she was able to complete the project on time.

We wish her all the best for her upcoming career.

Technoladders Solutions Private Limited

HR Manager

+91 9345002416 hr@technoladders.in www.technoladders.in
Old.No.9, New.No.17, Seethammal Colony, Alwarpet, Chennai, Tamil Nadu 600018

Ms Keertiga Arjunan, Student of Third B.Tech. IT A section, completed an Internship Programme in "**Salesforce Administration**" offered by Technoladders Solutions Pvt., Ltd., Chennai during 04 January-31 March 2021.

IT | STUDENTS' INTERNSHIP | INTERNET OF THINGS WITH MACHINE LEARNING

IEEE PIT - SB

IEEE

Certificate of Completion

This is to certify that

Sakthi Maruvarasi.G

From Sri Krishna College Of Technology ,

Department of Information Technology

has enrolled and successfully completed the 15 Days Internship Program on

INTERNET OF THINGS WITH MACHINE LEARNING

From 17th May 2021 to 1st June 2021

Mr.M.Arun , IEEE Vice Chairman ,
Young Professional Madras Chapter

SRINIVASAN.N, Director
Pantechelearning

Pantech e Learning

IEEE_INT_MAY_PEL_IOT_2018 dt 31-05-2021

IEEE PIT - SB

IEEE

Certificate of Completion

This is to certify that

NIVETHITHA M

From Sri krishna college of technology ,

Department of Information Technology

has enrolled and successfully completed the 15 Days Internship Program on

INTERNET OF THINGS WITH MACHINE LEARNING

From 17th May 2021 to 1st June 2021

Mr.M.Arun , IEEE Vice Chairman ,
Young Professional Madras Chapter

SRINIVASAN.N, Director
Pantechelearning

Pantech e Learning
DIGITAL LEARNING SIMPLIFIED

IEEE_INT_MAY_PEL_IOT_2018 dt 31-05-2021

Ms Sakthi Maruvarasi G and Nivethitha M, Students of Third B.Tech. IT B section, completed a Fifteen-day Virtual Internship Program on **"Internet of Things with Machine Learning"** offered through IEEE and Pantech e Learning during 17 May-01 June 2021.

CIVIL | STUDENTS' INTERNSHIP | INDUSTRY SPECIFIC SKILLS

Ms M Sivapriya, Ms Gopika and Mr Abutariq Alianwardeen, Students of Second B.E. Civil Engineering, attended a Virtual Internship Programme on **"Industry Specific Skills"** organised by SRM TRP Engineering College, Trichirapalli during 08-31 May 2021.

IT | STUDENT CERTIFICATION | PYTHON AND DEEP LEARNING

Ms Varshini Shri V, Student of Third B.Tech. IT B Section, completed a 7-day **"Python and Deep Learning"** Bootcamp with Shape AI on 01 June 2021.

IT | STUDENT CERTIFICATION | FEST QUIZ IN CLOUD COMPUTING

Ms Varshini Shri V, Student of Third B.Tech. IT B section, participated in Career Fest Quiz in **"Cloud Computing"** offered by Amity Future Academy on 16 May 2021.

IT | STUDENTS' CERTIFICATION | THE FUNDAMENTALS OF DIGITAL MARKETING

Ms Vaishnavi S, Ms Raajeswari N and Ms Rithika M, Students of Third B.Tech. IT B section, completed an online certification course on **"The Fundamentals of Digital Marketing"** offered through Google Digital Garage on 30 May 2021.

IT | STUDENT CERTIFICATION | MASTER CLASS ON MACHINE LEARNING

CERTIFICATE NO : PS-APSSDC-ML17-1061

PANTECHSOLUTIONS
Technology Beyond the Dreams

SkIll AP
APSSDC

CERTIFICATE
OF PARTICIPATION

NAME : Mr.SUJAN KARTHI N

COLLEGE : SRI KRISHNA COLLEGE OF TECHNOLOGY

has Successfully Completed
MASTER CLASS ON MACHINE LEARNING

at Pantech Prolabs India Pvt Ltd

From : MAY 17,2021 to : MAY 21,2021

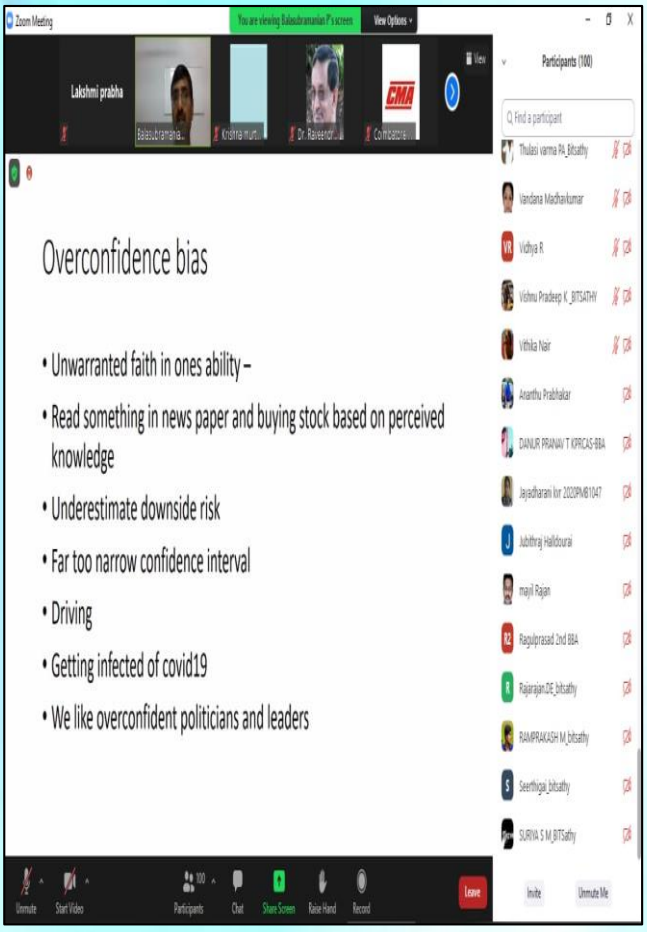
Dr.B.Nageswara Rao
Executive Director

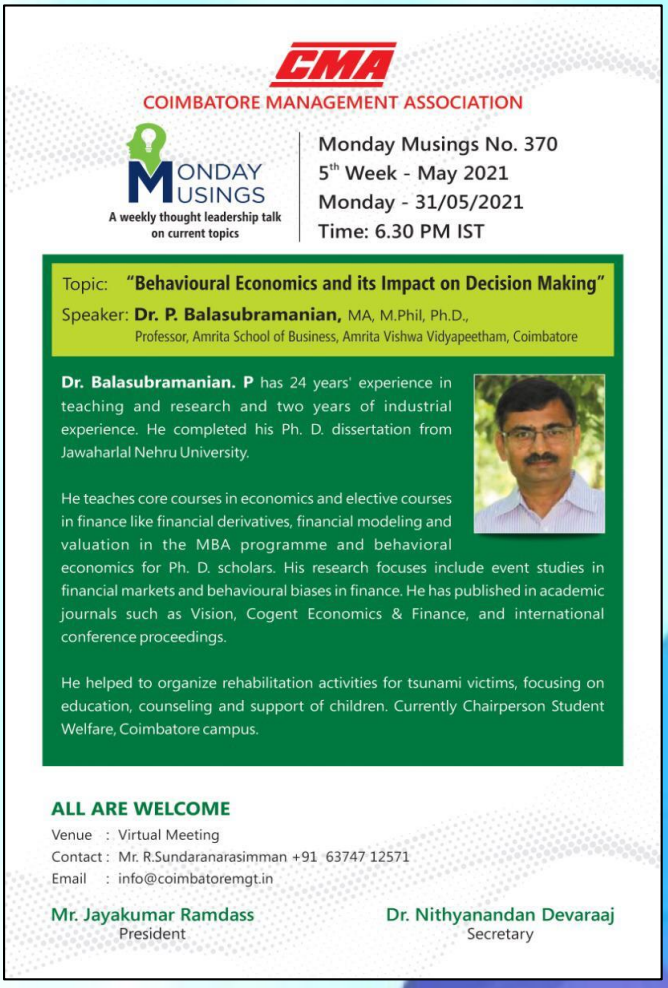
M.MALAIYAPPAN
DIRECTOR
PANTECHSOLUTIONS

Dr.Srikanth Arja,IRTS
MD & CEO

Mr Sujan Karthi N, Student of Third B.Tech. IT B section, completed an online certification course on **"Master Class on Machine Learning"** offered through Pantech Prolabs India Pvt., Ltd., during 17-21 May 2021.

SoM | STUDENTS' PARTICIPATION | MONDAY MUSINGS





Students of First MBA participated in Monday Musings and gave their Leadership Talk on **"Behavioral Economics and its Impact on Decision Making"** organised by Coimbatore Management Association.

EEE | STUDENT'S ACHIEVEMENT | PLACEMENT IN INFOSYS AT STATE LEVEL DRIVE

Infosys®

Ms B Sushmitha, Student of Final EEE C section, placed in **"Infosys"** through State Level Drive on 03 June 2021.

MECH | STUDENT INTERNSHIP | CAMPUS AMBASSADOR

INTERNSHALA

Certificate of Selection

Gokulraja Murugesan

from **Sri Krishna College Of Technology** has successfully secured **Campus Ambassador** internship at **IIM Bangalore, Business Summit** through Internshala.

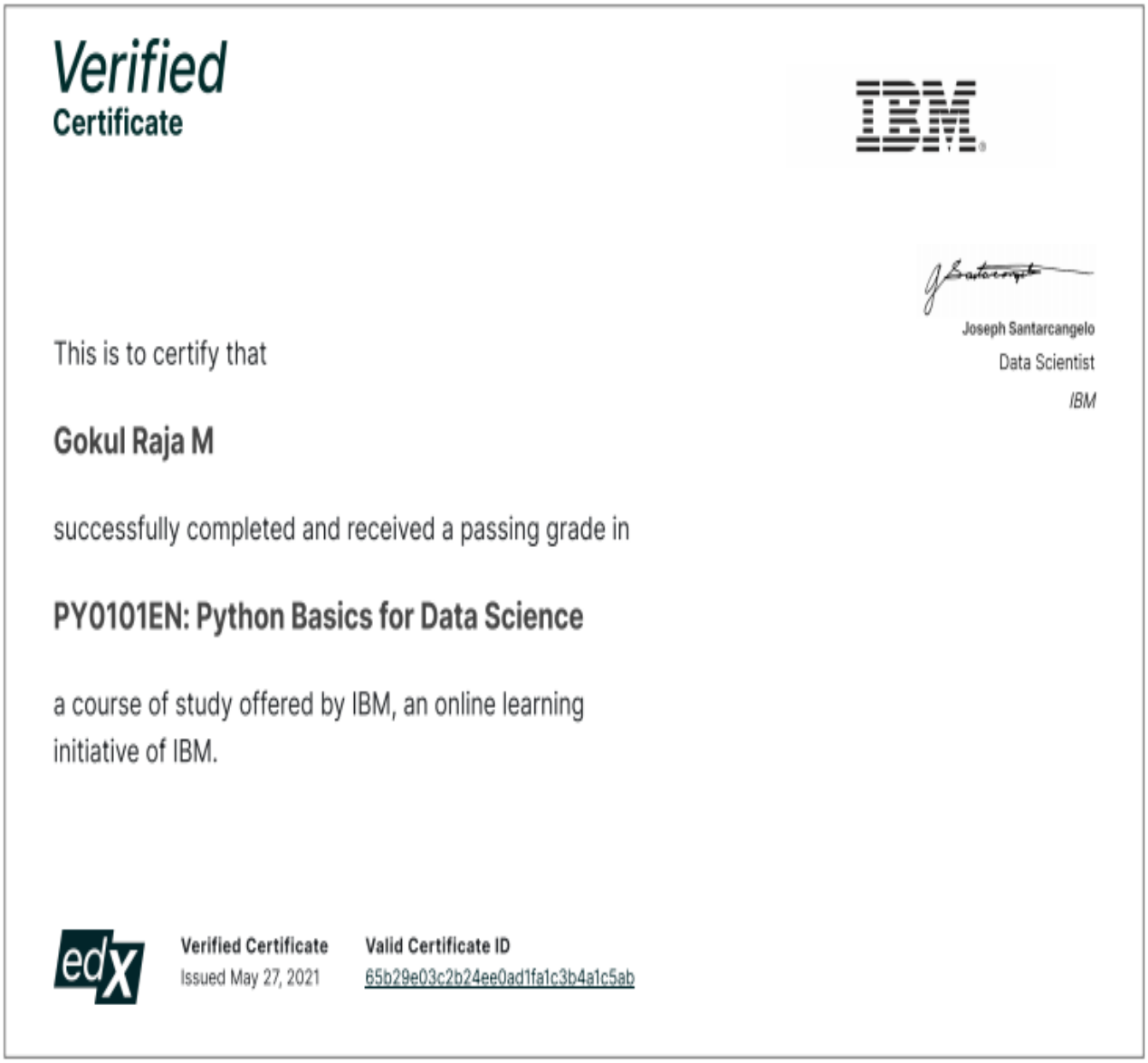
Sarvesh Agrawal
Founder & CEO, Internshala

Date of certification: May 26, 2021

Certificate Number: 20DB2C0D-9440-0AE6-E64D-E90AC0255C21
For certificate authentication please visit https://internshala.com/verify_certificate

Mr Gokulraja Murugesan, Student of Third B.E. Mechanical Engineering, secured **"Campus Ambassador"** internship at IIM Bangalore, Business Summit through Internshala on 26 May 2021.

MECH | STUDENT INTERNSHIP | PYTHON BASICS FOR DATA SCIENCE



Verified
Certificate

IBM

Joseph Santarcangelo
Data Scientist
IBM

This is to certify that

Gokul Raja M

successfully completed and received a passing grade in

PY0101EN: Python Basics for Data Science

a course of study offered by IBM, an online learning initiative of IBM.

edX

Verified Certificate
Issued May 27, 2021

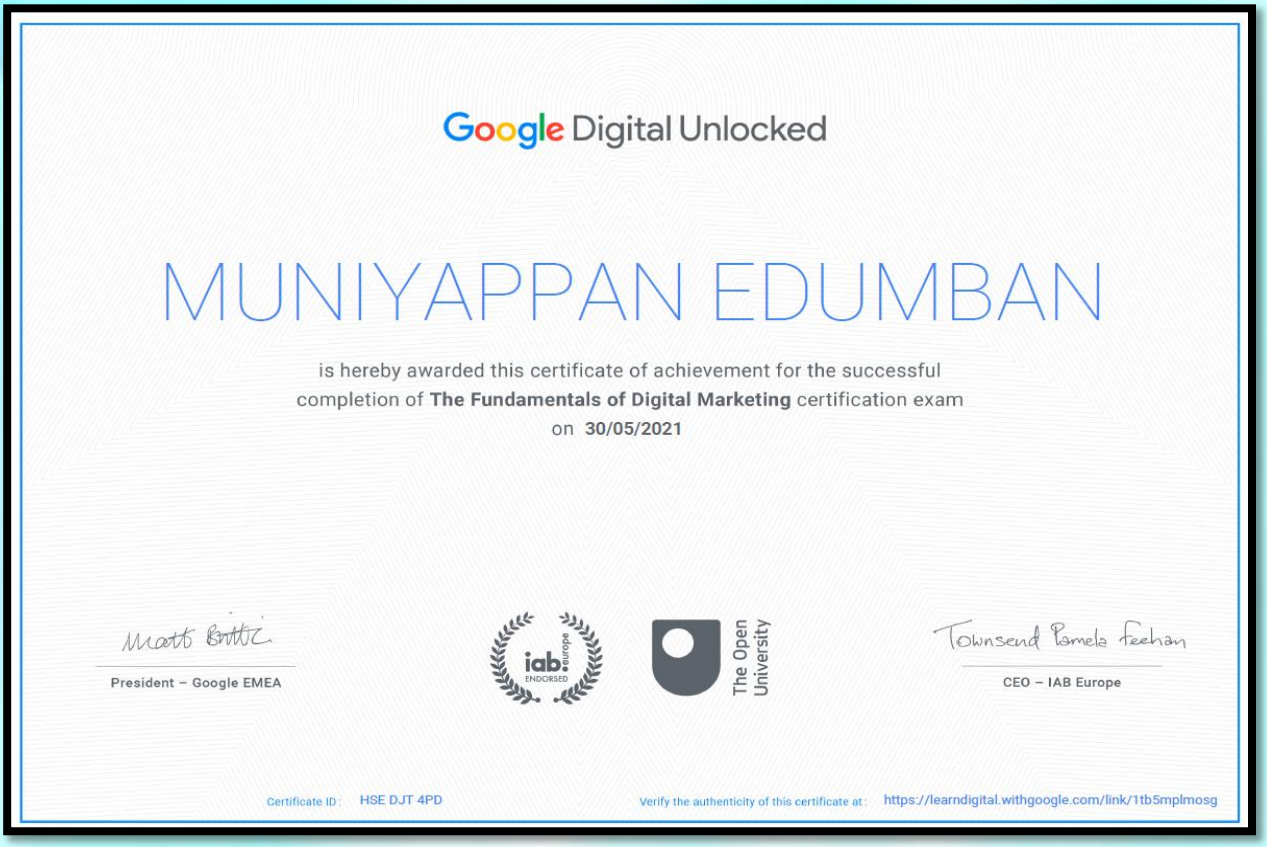
Valid Certificate ID
65b29e03c2b24ee0ad1fa1c3b4a1c5ab

Mr M Gokulraja, Student of Third B.E. Mechanical Engineering, completed a course on **"Python Basics for Data Science"** offered through IBM online learning on 27 May 2021.

IT | STUDENTS' CERTIFICATION | UDEMY

Ms Varshini Shri V and Mr Muniyappan Edumban, Students of Third B.Tech. IT B section, completed 45.5 hours of various online courses offered through Udemy during May-June 2021.

IT | STUDENT CERTIFICATION | THE FUNDAMENTALS OF DIGITAL MARKETING



Mr Muniyappan Edumban, Student of Third B.Tech. IT B section, completed an online certification course on **"The Fundamentals of Digital Marketing"** offered through Google Digital Garage on 30 May 2021.

IT | STUDENTS' CERTIFICATION | DEEP LEARNING

SkillUP
by Simplilearn

Declaration of Completion

Nitish Kumar K

has successfully completed the online course:

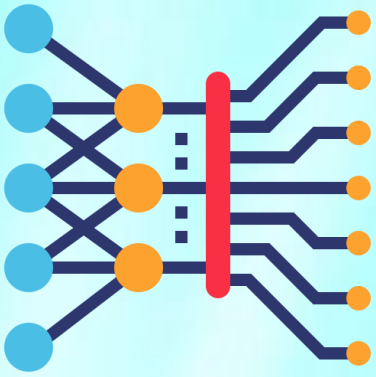
Deep Learning

This professional has demonstrated initiative and a commitment to deepening their skills and advancing their career. Well done!

03rd Jun 2021

Certificate code : 2603868

Krishna Kumar
CEO



SkillUP
by Simplilearn

Declaration of Completion

VISHNU S

has successfully completed the online course:

Deep Learning

This professional has demonstrated initiative and a commitment to deepening their skills and advancing their career. Well done!

03rd Jun 2021

Certificate code : 2603880

Krishna Kumar
CEO

Mr Nithish Kumar K and Mr Vishnu S, Students of Third B.Tech. IT B section, completed an online course on **"Deep Learning"** offered through Simplilearn on 03 June 2021.

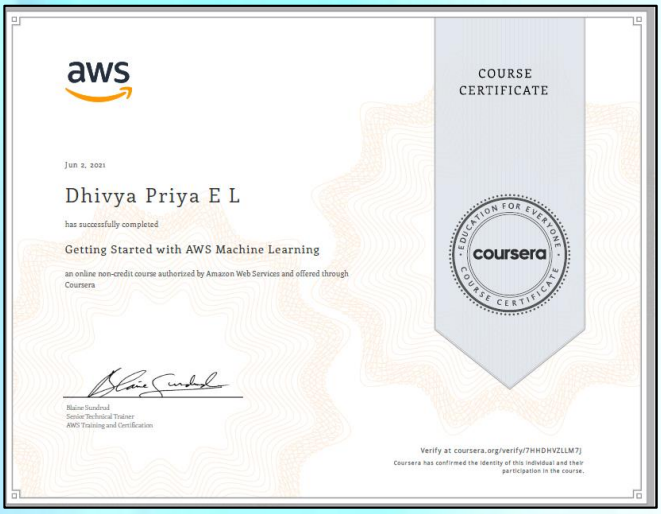
FACULTY PARTICIPATIONS

@skctdigest

@skctofficial

digestfeedback@skct.edu.in

ECE | ONLINE CERTIFICATION ON GETTING STARTED WITH AWS MACHINE LEARNING



Ms Dhivya Priya E L, Asst. Professor, Dept. of ECE, completed an online course on **"Getting started with AWS Machine Learning"** offered through Coursera on 02 June 2021.

CSE | ONLINE CERTIFICATION ON GOOGLE CLOUD FUNDAMENTALS FOR AZURE PROFESSIONALS: CORE INFRASTRUCTURE

Dr R Nithiavathy, Asst. Professor, Dept. of CSE, completed an online course on **"Google Cloud Fundamentals for Azure Professionals: Core Infrastructure"** authorised by Google Cloud and offered through Coursera.

ICE | ONLINE CERTIFICATION | PYTHON BASICS FOR DATA SCIENCE

Verified
Certificate

IBM

Joseph Santarcangelo
Data Scientist
IBM

This is to certify that

Dhanaselvam J

successfully completed and received a passing grade in

PY0101EN: Python Basics for Data Science

a course of study offered by IBM, an online learning initiative of IBM.

edX

Verified Certificate
Issued May 27, 2021

Valid Certificate ID
6fa96a2e12234453bf21ccb0888a9cda

Mr Dhanaselvam J, Student from the Dept. of ICE, completed a Five-week online certification course on **"Python Basics for Data Science"** offered through IBM and initiated by edX on 27 May 2021.

IT | ONLINE CERTIFICATION | FOUNDATIONS OF ARTIFICIAL INTELLIGENCE

Ms S Madumidha, Asst. Professor, Dept. of IT, completed an online course on **"Foundations of Artificial Intelligence"** offered through SSC NASSCOM Foundation AI Curriculum and SkillUp Online.

CIVIL | ATAL FDP ON SMART CITIES INFRASTRUCTURE & SUSTAINABILITY

No:ATAL/2021/1621590615

ATAL

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training And Learning (ATAL) Academy

Certificate

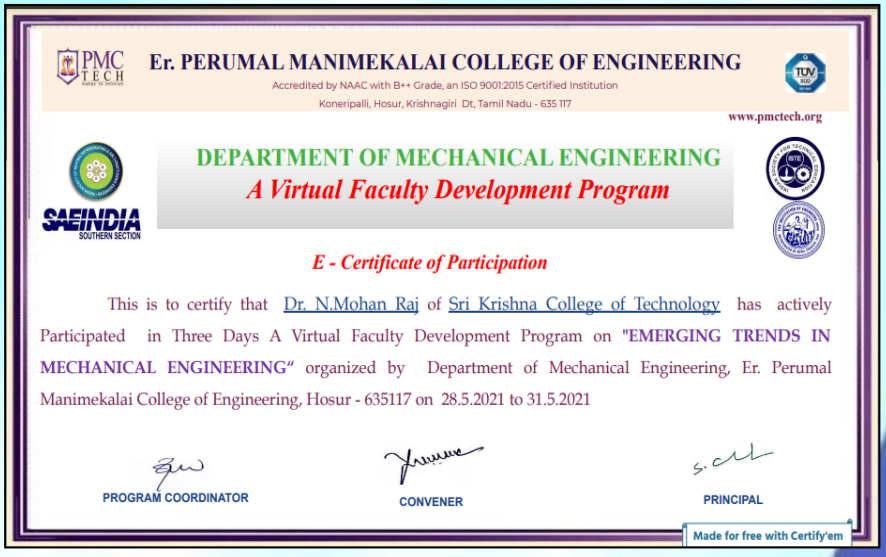
This is certified that V.SREEVIDYA, Professor of SRI KRISHNA COLLEGE OF TECHNOLOGY participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Smart Cities-Infrastructure & Sustainability" from 2021-05-24 to 2021-05-28 at Indian Institute of Technology Ropar.

Director ATAL Academies

Coordinator

Dr V Sreevidya, Professor, Dept. of Civil Engineering, attended the ATAL FDP on "**Smart Cities Infrastructure & Sustainability**" organised by Indian Institute of Technology, Ropar during 24-28 May 2021.

MECH | FDP ON EMERGING TRENDS IN MECHANICAL ENGINEERING


Er. PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING
Accredited by NAAC with B++ Grade, an ISO 9001:2015 Certified Institution
Koneripalli, Hosur, Krishnagiri Dt, Tamil Nadu - 635 117
www.pmctech.org

DEPARTMENT OF MECHANICAL ENGINEERING
A Virtual Faculty Development Program

SAEINDIA SOUTHERN SECTION

E - Certificate of Participation

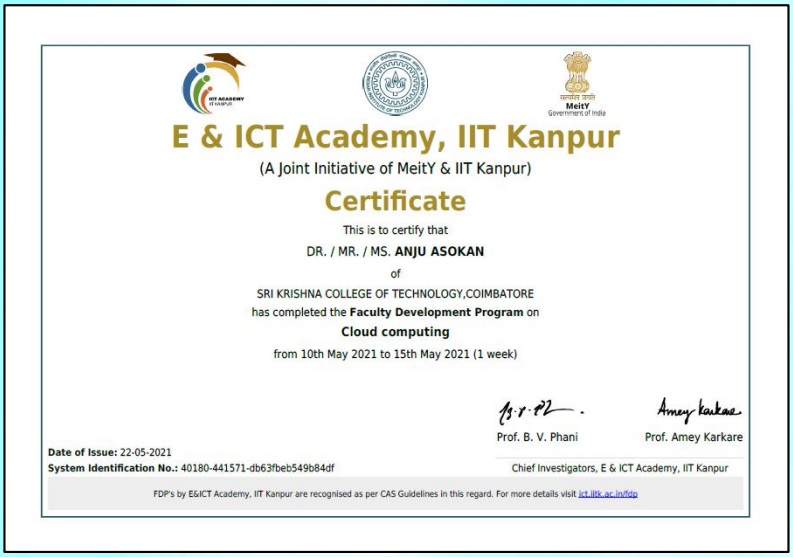
This is to certify that Dr. N.Mohan Raj of Sri Krishna College of Technology has actively Participated in Three Days A Virtual Faculty Development Program on "EMERGING TRENDS IN MECHANICAL ENGINEERING" organized by Department of Mechanical Engineering, Er. Perumal Manimekalai College of Engineering, Hosur - 635117 on 28.5.2021 to 31.5.2021

PROGRAM COORDINATOR
CONVENER
PRINCIPAL

Made for free with Certify'em

Dr N Mohanraj, Assoc. Professor, Dept. of Mechanical Engineering, attended an FDP on **"Emerging Trends in Mechanical Engineering"** organised by Er Perumal Manimekalai College of Engineering, Hosur during 28-31 May 2021.

ECE | FDP ON CLOUD COMPUTING



E & ICT Academy, IIT Kanpur

(A Joint Initiative of MeitY & IIT Kanpur)

Certificate

This is to certify that

DR. / MR. / MS. **ANJU ASOKAN**

of

SRI KRISHNA COLLEGE OF TECHNOLOGY,COIMBATORE

has completed the **Faculty Development Program** on

Cloud computing

from 10th May 2021 to 15th May 2021 (1 week)

Prof. B. V. Phani — Prof. Amey Karkare

Date of Issue: 22-05-2021

System Identification No.: 40180-441571-db63fbeb549b84df

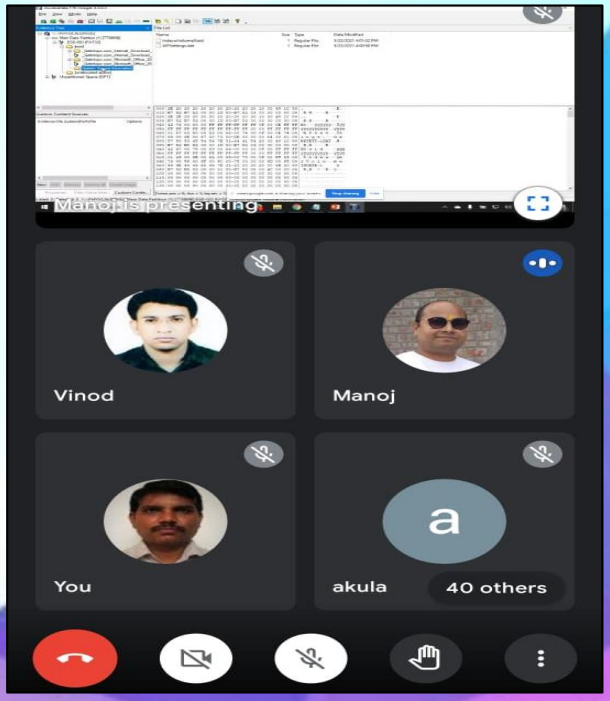
Chief Investigators, E & ICT Academy, IIT Kanpur

FDP's by E&ICT Academy, IIT Kanpur are recognised as per CAS Guidelines in this regard. For more details visit ict.iitk.ac.in/fdp

Ms Anju Asokan, Asst. professor, Dept. of ECE, attended a one-week FDP on **"Cloud Computing"** organised by E & ICT Academy, IIT Kanpur during 10-15 May 2021.

ECE | FDP ON DIGITAL FORENSICS AND CYBERCRIME

Dr R Vadivelu, Assoc. Professor, Dept. of ECE, attended a one-week FDP on **"Digital Forensics and Cybercrime"** organised by Centre for Cryptography, Cyber Security and Digital Forensics, LNM Institute of Information Technology, Jaipur on 24 May 2021.



ECE | FDP ON 5G WIRELESS COMMUNICATIONS

THIAGARAJAR COLLEGE OF ENGINEERING,MADURAI-625015
(A Government Aided Autonomous Institution affiliated to Anna University)

Department of Electronics and Communication Engineering

CERTIFICATE OF PARTICIPATION

This is to certify that G.Santhakumar, Sri Krishna College of Technology has participated in IET Sponsored Faculty Development Programme on "5G Wireless Communications" organized by Department of Electronics and Communication Engineering at Thiagarajar College of Engineering, Madurai, Tamilnadu, India on May 26th 2021 in Virtual mode.

Dr. G.Ananthi
FDP Co-ordinator

Dr. S Rajaram
HoD-ECE, Dept of ECE

Dr. S.J.Thiruvengadam
PECE, Dean(Academic Process)

Mr G Santhakumar, Asst. Professor, Dept. of ECE, attended an FDP on **"5G Wireless Communications"** organised by Thiagarajar College of Engineering, Madurai on 26 May 2021.

CSE | STTP ON MACHINE LEARNING ON RECENT TRENDS AND APPLICATIONS PHASE-II

SRINIVASA RAMANUJAN INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)
(Permanently Affiliated to JNTUA & Approved by AICTE)(Accredited by NAAC with 'A' Grade)
(Accredited by NBA(EEE,ECE&CSE))
Rotarypuram Village,B K Samudram Mandal, Ananthapuramu – 515701.

MERIT CERTIFICATE

This is to certify that Sandhya G, Assistant Professor, Sri Krishna College of Technology has got merit score in a one-week online AICTE Short Term Training Programme on "Machine Learning on Recent Trends and Applications Phase-II" from 24/05/2021 to 29/05/2021 organized by the Department of Electronics and Communication Engineering, Srinivasa Ramanujan Institute of Technology, Ananthapuramu, Andhra Pradesh.

SRINIVASA RAMANUJAN INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)
(Permanently Affiliated to JNTUA & Approved by AICTE)(Accredited by NAAC with 'A' Grade)
(Accredited by NBA(EEE,ECE&CSE))
Rotarypuram Village,B K Samudram Mandal, Ananthapuramu – 515701.

CERTIFICATE OF PARTICIPATION

This is to certify that M. DEVA PRIYA, Associate Professor, Sri Krishna College of Technology has participated in a one-week online AICTE Short Term Training Programme on "Machine Learning on Recent Trends and Applications Phase-II" from 24/05/2021 to 29/05/2021 organized by the Department of Electronics and Communication Engineering, Srinivasa Ramanujan Institute of Technology, Ananthapuramu, Andhra Pradesh.

Dr.M.L.Ravi Chandra,M.Tech,Ph.D
HOD & Co-Ordinate
Dept. of ECE

Dr.G.Balakrishna,Ph.D
Principal

Dr M Deva Priya, Assoc. Professor and Ms G Sandhya, Asst. Professor, Dept. of CSE, attended a one-week online AICTE STTP on **"Machine Learning on Recent Trends and Applications Phase-II"** organised by Srinivasa Ramanujan Institute of Technology, Ananthapuramu, Andhra Pradesh during 24-29 May 2021.

RESEARCH

@skctdigest

@skctofficial

digestfeedback@skct.edu.in

IT | PAPER PUBLICATION | AIR QUALITY MONITORING SYSTEM WITH EMERGENCY ALERTS USING IoT

ICCCEBS 2021 IOP Publishing
Journal of Physics: Conference Series **1916** (2021) 012050 doi:10.1088/1742-6596/1916/1/012050

Air Quality Monitoring System with Emergency Alerts Using IOT

R Suganya [1], R Guhan [1], N C Gowreesan [1] and Mubariz[1]
[1]Department of Information Technology, Sri Krishna College of Technology, Coimbatore, India
r.suganya@skct.edu.in

Abstract. The level of air in a particular region has a very strong effect on the human condition in a section because of the level that will affect the health of living organisms. Therefore, it is necessary to periodically measure air quality conditions in the area. during this study period an IoT-based air quality monitoring system was developed to address air quality conditions in the area. The system can monitor the sensitivity sensors to determine the quantity of many small particles within the air and O3, SO2, CO and objects. Studying device information exploits including Arduino microcontroller is being studied. The data is then transmitted directly to the cloud system using a wireless LAN module in Arduino for access to the cloud service. View results are displayed directly on a web page or application provided by the cloud service.

Keywords: Air quality monitoring, Tracking, sensor, Global Positioning System (GPS)

1. Introduction

In this project we've got an inclination to unit of measurement getting ready to produce associate IoT based totally pollution observation System throughout that we'll monitor the Air Quality and trigger a alarm once the air quality goes down on the way aspect a definite level, implies that once there unit of measurement spare amount of harmful gases unit of measurement gift among the air like greenhouse emission, smoke, alcohol, hydrocarbon and NH3. Air Quality as a result of it detects most harmful gases and will live their amount accurately. By this project, users will monitor the pollution level from anywhere victimizing your laptop computer or mobile. We are going to install this method anywhere and will jointly trigger some devices once pollution goes on the way. The varied aspects of air quality monitoring network like that pollutants were ought to be monitored [1]. The legal needs in India for finishing up air monitoring are mentioned. These requirements operate on that objective. Air quality watching air determined [2]

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Dr R Suganya, Asst. Professor, Mr R Guhan, Mr N C Gowreesan and Mr Mubariz, Students of B.Tech. IT, published a paper on **"Air Quality Monitoring System with Emergency Alerts using IoT"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

IT | PAPER PUBLICATION | INTELLIGENT ANALYSIS FOR DROWSINESS ALERT USING CONVENTIONAL NEURAL NETWORKS

ICCCEBS 2021 IOP Publishing
Journal of Physics: Conference Series **1916** (2021) 012131 doi:10.1088/1742-6596/1916/1/012131

Intelligent Analysis for Drowsiness Alert using Conventional Neural Networks

Jeyabharathi D[1], Jeevanantham K[1], Kavinmukhil M [1], Mohamed Quanith hasan J B[1]
[1]Department of Information Technology, Sri Krishna College of Technology, Coimbatore, India
jeevakumar712@gmail.com

Abstract. When a job is assigned to drivers who travel through the roads and highways riding a CAB or NATIONAL PERMIT TRUCKS face the risk of tiredness especially during night travels and early morning. This project is to develop a driver drowsiness detection system by using Deep learning. It is known that a driver is under drowsiness influences by looking at the eyes for a moment of duration. Based on the previous research, there is none added tome counter that may exclude driver drowsiness from other activities of eyelid movement. The result can be accurate because histogram analysis analyzed the whole image upto a certain duration giving alarm with battery connection to be disabled for mentioned span of time. Therefore, he can start the vehicle only when the driver completes his rest time.

Keywords: OpenCV, Convolutional Neural network , Keras, Pygame timer events,Tensorflow.

1. Introduction

More people take a ride on the highways whole day. Cabs, buses, trucks and other four wheelers to heavy vehicles travelling to long distances undergo lack of sleep overnight. This skipping of rest becomes very unsafe to drive when feeling tired and drowsy. Many accidents occur due to the uncontrollable fatigue state of driver [1-4]. To avoid these incidents we construct a system using Python, Opencv, Keras and Pygame that alerts the driver when feeling drowsy. Exhaustion is an important cause of roadbumps and has strong disbelief for traffic security. Some cruel crashes can be prevented if the sleepy travellers are alerted on time. A variety of tiredness identifier methods exist that monitor the drivers' fatigue state while driving and alarm the drivers if their concentrations aren't on road. The relevant methods can be found from expressions such as yawns, eyelids down, and positions of head for recording range of sleeplessness. The organic situation of the body of person who drives, in addition to automobile behavior, is analyzed for traveler drowsiness alert [5]. The paper affords a contextual evaluation of the prevailing method of driving force drowsiness detection and affords an in depth clarification of broadly used type strategies on this regard. In the beginning, we classify the prevailing strategies into 3 categories: behavioural, vehicular, and physiological check cases-primarily based totally strategies. Next, pinnacle supervised getting to know techniques used for fatigue identity are reviewed [6]. Third, the advantages ,negative aspects and collective take a look at of the various approach are collected. In addition, the studies frameworks are elaborated for higher understanding. In the end, normal studies findings primarily based totally at the sizable survey are concluded with a view to assist younger researchers for locating ability destiny paintings withinside the applicable field [7].

2. Related Work

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Dr Jeyabharathi D, Asst. Professor, Mr Jeevanantham K, Mr Kavinmukhil M and Mr Mohamed Quanith Hasan J B, Students of B.Tech. IT, published a paper on **"Intelligent Analysis for Drowsiness Alert using Conventional Neural Networks"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

IT | PAPER PUBLICATION | INTELLIGENT STROKE SUBTYPING USING RECURSIVE ELIMINATION

ICCCEBS 2021 IOP Publishing
Journal of Physics: Conference Series **1916** (2021) 012078 doi:10.1088/1742-6596/1916/1/012078

Intelligent Stroke Subtyping Using Recursive Elimination

G Lavanya[1], S Pradeep[1], J Prakash[1] and S Selva Prince[1]
[1]Dept. of Information technology, Sri Krishna College of Technology, Coimbatore, Tamil Nadu, India.
g.lavanya@skct.edu.in

Abstract. Ischemic stroke subtyping is essential for the forecast of ischemic stroke apart from its usage in effective design and treatment of the same. The manual assessment of affliction grouping procedure is time-consuming, having limitation on dataset and is prone to error. This work considers feature selection and forecast problems in medical datasets. Shapiro-Wilk algorithm has been used to rank the features and Pearson correlations between features have been analyzed. Additionally, the proposed work uses the Recursive Feature Elimination with Cross-Validation (RFECV) using linear SVC, Random-Forest-Classifier, Extra-Trees-Classifier, AdaBoost-Classifier and multinomial - Naïve-Bayes-Classifier to select the important features. Then a simple deep learning model has been exploited to classify the ischemic stroke subtype on the International Stroke Trial (IST) dataset. The proposed method classifies the ischemic stroke subtype exactly and the results also proved that the machine learning approach performed well than the human professionals.

Key Words: RFECV, Shapiro-Wilk, OCSP

1. Introduction

Worldwide, stroke has been a significant cause of disability. It has been estimated that there will be almost 70 million Survivors of stroke per year[1]. The burden of stroke escalates rapidly all over the world day by day irrespective of economic status of the countries[2]. Distinct medical studies and data analyses has been proposed by the researchers to find the IS subtype. For example, historical analyses, Electro Cardio Graphic (ECG) and imaging synthesis are some form of identification methods. Including Oxfordshire Community Stroke Project (OCSP)[3][4], the Acute stroke Trial of Org10172 (TOAST)[5], Causative Classification System (CCS)[6],] are the few subtype schemas. The TOAST system has become used most frequently in recent literature. But it is not used to investigate the effectiveness of new acute stroke treatments such as tests of genetic interaction, assessments of new possible risk factors, epidemiological factors or causes of stroke. The consequence of the stroke was the magnitude of the stroke, which was fine and strongly influenced by the grouping, Rarely has this device been used to examine possible risk factors in the 21st century causes of stroke. Compared with other schemes like Atherosclerosis, Small-vessel disease, Cardioembolism and Other causes (ASCO)[7] and CCS, OCSP can be used efficiently in emergent circumstances.

2. Background and Development

The subtype classification and sub-divisions of stroke should be beneficial for aspects including regular clinical screening, epidemiological studies and acute clinical trials and it's prevention. Despite the fact that OCSP classifiers[8] can be deployed to determine the intensity of an IS subtype classification, it's manual mode of classification limits only to smaller datasets due to the classifier

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Ms G Lavanya, Asst. Professor, Mr S Pradeep, Mr J Prakash and Mr S Selva Prince, Students of B.Tech. IT, published a paper on **"Intelligent Stroke Subtyping Using Recursive Elimination"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

IT | PAPER PUBLICATION | CONVOLUTED FASHION CLASSIFIER PREDICTION USING NEURAL NETWORKS

ICCCEBS 2021 IOP Publishing
Journal of Physics: Conference Series **1916** (2021) 012029 doi:10.1088/1742-6596/1916/1/012029

Convoluted fashion classifier prediction using Neural Networks

T Rajesh Kumar [1], S Kishor [1], R U Kishore [1], C Naveen Kumar [1]
[1] Department of Information Technology, Sri Krishna College of Technology, Coimbatore, India
17tuit036@skct.edu.in

Abstract. The conventional way of choosing a fashion catalogue has a lot of drawbacks and is yet to be resolved. Struck in a dilemma of what to choose and what not to, not wearing fashion items that are appropriate, and lured by terms that are misleading such as 50 percent off limited period offer, when in reality the prize was never higher in the first place. These are the flaws that go under the radar for humans, but that is not the case with machines. The proposed system when given an image of a fashion item, by the user makes use of a Convolution Neural Network to find the type of item, then suggest items based on occasion. The system also gives you the prize of that particular item over a period of time in various e commerce sites, and if there is any chance of drop in prize in the future. This eliminates the human part of errors while choosing a fashion catalogue and makes everything automated. The next advantage of our site is to resell our old clothes at best prize so our used clothes are not wasted and it can be used by others.

keywords: Fashion, CNN, web-scraping, Django Rest Framework, ReactJS

1. Introduction

The fashion world has enhanced with lots of varieties of products and online fashion store has been used by so many people. In these covid situation people do not go outside to purchase items such as clothes, shoes, make up items [1]. There is a confusion on which to choose from lots of products so to make shopping easier we have proposed a system on which a product matches the other. For instance a shirt is chosen the best matching bottom would be recommended by CNN [2].The system also tells us on which day the product would be in the best price and it also tells the upcoming offers in the store so you can save money.

The best price is predicted by collecting the data of previous price of around 10 days and our system tells the best price of a product in upcoming days. It is built by bs4 module in python [3] for accuracy and it keeps track of all items over a period to find the best price.

Another feature in our system is we can sell and buy our reused clothes at best price. We have used MNIST dataset [4] to train and validate our system. The reused clothes is only considered in our website if it is in a good condition and branded by doing this we can reuse our clothes and no fashion items[5] are of no use. The system will provide the best price for our cloth and other items.
The idea of our system is normal store does not tell us when to buy the product at best price and there is no category for selling reused clothes by doing this many people could save money and time. Many users would use our website since it makes shopping easy and it saves our money as well. Introduction

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Dr T Rajesh Kumar, Assoc. Professor, Mr S Kishor, Mr R U Kishore and Mr C Naveen, Students of B.Tech. IT, published a paper on **"Convoluted Fashion Classifier Prediction using Neural Networks"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

IT | PAPER PUBLICATION | SMART IRRIGATION SYSTEM WITH SOLAR POWER

ICCMES 2021 IOP Publishing
IOP Conf. Series: Materials Science and Engineering 1145 (2021) 012058 doi:10.1088/1757-899X/1145/1/012058

Smart Irrigation System with Solar Power

Suresh Kumar A[1], Rahul R[1], Santhosh R[1], Shoaib Akhtar S[1]
[1]Associate professor, UG students, Department of Information Technology, Sri Krishna College of Technology, Coimbatore, India
a.sureshkumar@skct.edu.in[1]

Abstract. As of late everything relies upon brilliant innovation. Water system framework is likewise getting brilliant by utilizing present day advances, which is more profitable instead of the conventional strategies. In this undertaking, a shrewd water system framework is built up that robotizes the water system measure with the assistance of sun based and wind energy. This proposed framework can upgrade the utilization of water dependent on various information, for example, soil dampness, climate expectation, and so forth It will likewise inform its proprietor about the current state of the dirt and engine through IOT innovation. This proposed model can naturally kill ON and the engine siphon by detecting the dampness substance of the dirt relying upon the interest of water in the field. A dampness sensor is utilized to gather information (soil moister level) of a specific territory. The engine will consequently kill subsequent to satisfying the interest of water and get turns ON again when the field gets dry. IOT innovation is utilized to send the report (ON/OFF) of an engine to the ranchers. The entire proposed framework is constrained by an Arduino. Here, DC power is produced from the sun oriented board and wind engine. Every one of these highlights will make water system framework a lot more brilliant and practical. This Project manages the age of power by utilizing two sources join which prompts create power with reasonable expense without harming the nature balance.

Keywords: Arduino, charge control circuit, GSM technology, irrigation system, moisture sensor, relay, solar panel, water pump.

1. Introduction

Energy utilization everywhere on the world is expanding quickly with the development of total populace. To adapt up to the expanding request, energy age should be expanded. Customary fuel sources for example non-renewable energy source which isn't harmless to the ecosystem [1] and will complete in not so distant future [2]. Environmentally friendly power sources can be the best substitute path for energy age. These days, sunlight based energy is quite possibly the most mainstream and solid fuel sources. It is considered as a green innovation since it doesn't radiate ozone harming substances. This sort of energy is equipped for working dc load inside its reach, for example, battery charger [3], grass shaper [4], savvy water system framework, and so forth

Water system framework is the procedure which controls the stockpile of water misleadingly through lines, channels, and so forth The fundamental goals of water system frameworks are to help the development of a plant, scene upkeep, decrease the impact of insufficient precipitation, and so forth Dhekli and Rahat are two conventional water system techniques though, sprinklers and flood type framework are known as present day strategies [5]. Horticultural creation exceptionally relies upon the accessibility of water. Savvy water framework structures guarantee adequate water supply in the field in legitimate time. Water is an indispensable component for every living animal. Just the

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Mr A Suresh Kumar, Asst. Professor, Mr R Rahul, Mr R Santhosh and Mr S Shoaib Akhtar, Students of B.Tech. IT, published a paper on **"Smart Irrigation System with Solar Power"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

IT | PAPER PUBLICATION | BIOMETRIC BASED FINGERPRINT VERIFICATION SYSTEM FOR ATM MACHINES

ICCCEBS 2021 IOP Publishing
Journal of Physics: Conference Series **1916** (2021) 012033 doi:10.1088/1742-6596/1916/1/012033

Biometric based Fingerprint Verification System for ATM machines

T Sangeetha [1],M Kumaraguru [1], S Akshay [1] and M Kanishka [1]
[1]Department of Information Technology, Sri Krishna College of Technology, Coimbatore, India
t.sangeetha@skct.edu.in, tokumaraguru.m@gmail.com, 17tuit003@skct.edu.in, 17tuit030@skct.edu.in

Abstract. In this modern world, almost everyone uses ATM machines which allow people to transfer and withdraw cash. This study is based on executing a fingerprint method in the ATM System. We chose this field to improve safety and security for people to make the transaction easier. The fingerprints are unique for each person. There is no insecurity of losing an ATM card and no requirement to carry an ATM card with you every time. On comparison of different technologies for ATM security, the fingerprint technology operates better and safer than others. These reasons make this mechanism an effortless and secure way of transaction and also maintains a coherent ambience with users and ATM machines. This is the most latest technology in electronic cash transactions.

Keywords: Enhancing ATM,biometric based ATM,security system for ATM, and fingerprint based ATM.

1. INTRODUCTION

Our aim is to evolve a far better guarding system by the usage of fingerprint based ATMs.Biometrics may be a technology that aids to form your data extremely securely, unique to each and everyone by way of their unique physical characteristics.Biometric data is employed to spot the person perfectly by using his/her fingerprint, iris, face, speech, hand geometry, or handwriting, etc...Tokens like mag tape cards, physical keys and smart cards, are often stolen, misplaced, replicated, or vanished; passwords are often failed to remember, shared, hacked or fortuitously seen by a third party.

The two key functions given by a biometric system are identification and therefore the other is verification.
Fingerprint processing is widely accepted these days and may be a fully developed biometric technology and is effortless to develop for an advanced stage of security and safety at the fingertips.It's uncomplicated to execute and it might take very less time and energy to get a person's fingerprint recorded with an identification device.

Thus, the recognition of fingerprint is taken into account between the minimum disruption and annoyance of all biometric verification procedures. Old time's authorities utilized thumbprints to seal documents, and law firms have been using identification of fingerprints from the 1800s.We here bring an equivalent technology on electronic platforms. Though fingerprint images are captured at first, the pictures aren't stored anywhere in the system. On the other hand, the fingerprints are changed into templates from the initial images. Not regenerate it.Hence, mishandling of the system is not possible[1].

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Ms T Sangeetha, Asst. Professor, Mr M Kumaraguru, Ms S Akshay and Ms M Kanishka, Students of B.Tech. IT, published a paper on **"Biometric Based Fingerprint Verification System for ATM Machines"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

IT | PAPER PUBLICATION | RECEIVER SYSTEM BASED STUDENT TRACKING SYSTEM USING IoT

ICCCEBS 2021 IOP Publishing
Journal of Physics: Conference Series **1916** (2021) 012020 doi:10.1088/1742-6596/1916/1/012020

Receiver System Based Student Tracking System using IoT

Muthulakshmi S[1], Dhivya dharshini B[2], Hema Priya S[2], Jaya priya RR[2]
[1]Assistant Professor/IT, Sri Krishna College of Technology, Coimbatore
[2]Student/IT, Sri Krishna College of Technology, Coimbatore
17tuit024@skct.edu.in

Abstract. Our work is a result of an insight to a specific problem faced by kindergarten children or kids under 12 years when they are at school and in their everyday life. The ultimate goal of this project is to plan the blue print and related work of RF based Student Tracking System. By using the in and out monitoring records that helps to create the suitable place or environment which helps in maintaining their safety. The proposed system notifies the parents when they enter and leave the school via mobile text messages with the help pf GSM. The system uses fingerprint verification as a part for locking and unlocking the student band which is worn by each and every student. Therefore, with the help of the proposed system safety of the kindergarten children or kids under 12 years (i.e) school student's is enhanced. The testing is done and the appropriate result is obtained which is used to calculate the intended method.

Keywords: Transmitter system, Finger print sensor, Internet of Things (IoT), Receiver system, Gps Module.

1. INTRODUCTION

The Advanced technologies like Internet of Things take part in a major role in the advancement of innovative technologies in today's world, and helps to build and incorporate different concepts. The definition of IOT is used in an advanced and practical way here. [1] Now a days IOT becomes important as considering an device that can express by them high-tech becomes something over and above the device by themself. IOT makes the physical world as an one big information system. The role of IOT in our proposal "RF based Student Tracking System" is huge.

Security and health are the biggest threats faced in today's world by the children or school students. Statistical study says that every year about 50,000 children are missing, of which 42 per cent are not identified. An article published in India says that a child is missing in every eight minutes a data released by the national office for criminal records. [2] There are several problems that may present.

This proposed system which is used to monitor the students and ensure the safety and make the parents easy to look after their children while travelling to school in more protected and secured manner with respect to security. This project through its in and out recordings with addition to its security measures it

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Ms S Muthulakshmi, Asst. Professor, Ms B Dhivya Dharshini, Ms S Hema Priya and Ms R R Jaya Priya, Students of B.Tech. IT, published a paper on **"Receiver System Based Student Tracking System using IoT"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

IT | PAPER PUBLICATION | INTELLIGENT DRIVING DETECTION WITH HEALTH MONITORING AND ACCIDENT DETECTION SYSTEM USING IoT

ICCCEBS 2021 IOP Publishing
Journal of Physics: Conference Series **1916** (2021) 012036 doi:10.1088/1742-6596/1916/1/012036

Intelligent Driving detection with Health Monitoring and Accident detection System using IOT

M Malathi[1], S Pavithra[1], S Preakshanashree[1], S Praveen Kumar[1]
[1] Department of Information Technology, Sri Krishna College of Technology, Coimbatore, India
m.malathi@skct.edu.in

Abstract. Accidents caused because of intoxicated drive are expanding massively in this advanced world. To forestall mishaps adequately the proposed framework can be actualized. In this structure, we screen the level of alcohol usage and heart beat rate. In the event that the chauffeur is related to intoxicated journey, at that point the transport medium start framework will break off which creates the inebriated chauffeur incapable to locomote the transport medium bringing about mishap avoidance. In addition to this, if there are any atypical alternates in heart beat rate, at that point the momentum status of the chauffeur is sent to their bosom companions and relatives using iot. Since pragmatic execution in transport medium is past the extent of this task, we are actualizing the proposed framework with a dc appliance.

Keywords: IoT, drunken drive, accident preventing, heartbeat rate

1. Introduction

In the present era, accompanied by the expansion in the quantity of transport mediums handling on the streets, car crashes have filled essentially in unit. One of the essential drivers of car crashes is smashed navigating or navigating under impact (DUI). This is especially a significant concern for non-industrial nations, for example, In India, 53.4% of non-typicsl passing's throughout the year 2014 were because of car crashes, with alcoholic driving being the essential driver [1]. Drunken driving is the demonstration of driving affected by liquor. A little expansion in the blood liquor content expands the overall danger of an engine vehicle crash. Alcohol fundamentally affects the components of the body which are crucial for driving and having the choice to work. Liquor is a depressant, which generally impacts the limit of the brain. Alcohol first impacts the most essential parts of the cerebrum and "when the mind cortex is delivered from its components of incorporating and control, measures identified with judgment and conduct happen in a disarranged design and the appropriate activity of social undertakings gets disturbed." In all reality liquor debilitates an assortment of abilities that are important to perform ordinary errands.

One of the primary impacts of liquor is seriously disabling an individual's capacity to move consideration starting with one thing then onto the next, "without fundamentally weakening tangible engine works." This shows that individuals who are inebriated can't appropriately move their consideration without influencing the faculties. Individuals that are inebriated likewise have a significantly tighter zone of usable vision than individuals who are calm. The data the cerebrum gets from the eyes "gets disturbed if eyes should be gone to the side to identify boosts, or if eyes should be moved rapidly starting with one point then onto the next" [2].

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Ms M Malathi, Asst. Professor, Ms S Pavithra, Ms S Preakshanashree and Mr S Praveen Kumar, Students of B.Tech. IT, published a paper on **"Intelligent Driving Detection with Health Monitoring and Accident Detection System using IoT"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

IT | PAPER PUBLICATION | CROP PRICE PREDICTION USING SUPERVISED MACHINE LEARNING ALGORITHMS

ICCCEBS 2021 IOP Publishing
Journal of Physics: Conference Series **1916** (2021) 012042 doi:10.1088/1742-6596/1916/1/012042

Crop price prediction using supervised machine learning algorithms

Ranjani Dhanapal [1], A AjanRaj [1], S Balavinayagapragathish [1], J Balaji [1]
[1] Department of Information Technology, Sri Krishna College of Technology, Coimbatore, India
d.ranjani@skct.edu.in

Abstract. Our target is focused largely on agriculture. In agriculture, farmers play the most important role. When the price falls after the harvest, farmers face immense losses. A country's GDP is affected by the price fluctuations of agricultural products. Crop price estimation and evaluation are done to take an intelligent decision before farming a specific type of crop. Predicting the price of a crop will help in taking better decisions which results in minimizing the loss and managing the risk of price fluctuations. In this paper, we predicted the price of different crops by analyzing the previous rainfall and WPI data. We used the decision tree regressor (Supervised machine learning algorithm) to analyze the previous data and predict the price for the latest data and estimate the price for the twelve months to come.

Keywords: price prediction, decision tree, crop price, regression, forecasting, machine learning

1. Introduction

In our country, agriculture is the principal pillar of the economy. The majority of families are dependent on agriculture. The country's GDP is primarily focused on agriculture. More than half of the land is used for agriculture to meet the needs of the population of the region. It is necessary to modernize agricultural practices to meet the demanding requirements. Our research aims to solve the problem of crop price prediction more effectively to ensure farmers' incomes. To come up with better solutions, it uses Machine Learning methods on different data.

Productivity can be improved by understanding and predicting crop prices through this application. An efficient crop price forecasting system can offer farmers opportunities that can benefit people in a larger context. The fast fluctuations in crop costs are common within the market. These fluctuations in costs are especially owing to the lack of previous design. This leads to fluctuations in demand and also in the market value of a crop. Once the value rises and farmers suffer from an investment loss after the value decreases, it will lead the crops to be highly-priced, becoming a disadvantage for consumers. Farmers are not aware of the demand within the emerging agricultural economy that is taking place. Machine learning can be defined as one of the Artificial Intelligence applications that have proven to produce successful prediction models in various aspects, such as the stock market, weather, business decisions, and crop prices in our case. Eventually, the findings are displayed as a web application so that farmers can easily access them.

Farmers are not any longer looking to use analytics to get data they need to realize actionable insights and take intelligent decisions. Most of the farmers in other countries are started to migrate for automated farming. The Decision Tree algorithm belongs to the family of learning algorithms that are supervised. The purpose of using a decision tree is to build a training model that will be used by training basic decision

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Ms Ranjani D, Asst. Professor, Mr A Ajan Raj, Mr S Balavinayagapragathish and Mr J Balaji, Students of B.Tech. IT, published a paper on **"Crop Price Prediction Using Supervised Machine Learning Algorithms"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

IT | PAPER PUBLICATION | INTELLIGENT CLASSIFICATION METHOD FOR WEB PAGE MANIPULATION DETECTION

Intelligent Classification Method for Web page Manipulation Detection

Roopa V[1], Santhosh babu K[1], Prabhakaran B[1]

[1]Department of Information Technology, Sri Krishna College of Technology, Coimbatore, India
v.roopa@skct.edu.in

Abstract. In this paper, we endorse fake detection, a questionable Twitter URL identity system. Our system looks at URL links isolated from certain tweets. Given that aggressors have limited assets and usually reuse them, the URLs of their distracting chains often share similar URLs. We construct techniques to detect and evaluate their doubt by using the frequently exchanged URLs. We acquire numerous public Twitter tweets and build an observable classification model for them. Assessment results indicate that the classifiers identifies questionable URLs correctly and efficiently. Furthermore, we pose fake DETECTION information to circulate within the Twitter as a connected to ongoing mechanism to order dubious URLs.

Keywords: Twitter, false data, URL

1. Introduction

Online media for data utilization is a two sided deal. On the solitary hand, its low expense, smooth get admission to, and quick dispersal advanced insights lead individuals to are searching out and burn-through news from web-based media. on the other hand, it allows the broad unfurl current "counterfeit data", i.e., low charming news with purposely counterfeit realities. The huge spread present day counterfeit data has the capacity for incredibly negative impacts on people and society [1]. consequently, counterfeit data location via online media has recently develop to be an arising contemplates that is pulling in splendid interest. The thought stylish false data is definitely not a particular idea. altogether, the thought has been in life much sooner than the development present day the net as distributers utilized phony and misdirecting records to correspondingly their interests. Following the appearance cutting edge the web, present day clients began relinquishing the customary media channels used to spread insights for on line structures. presently not easiest does the last option permit clients to get passage to a dissemination pristine distributions at a time, yet it is likewise more accommodation and quicker [2]. The turn of events, in any case, accompanied a reclassified thought the present false news as substance distributers started the utilization of what has end up commonly called click on trap. misleading content sources are terms which may be intended to draw the eye most recent a buyer who, after tapping on the connection, is coordinated to a web site page whose content material is radically underneath their anticipations. Numerous clients discover click on goads to be an aggravation, and the final product is that most front line such individuals handiest come to invest an absolutely concise energy venturing such sites

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Ms V Roopa, Asst. Professor, Mr K Santhosh Babu and Mr B Prabhakaran, Students of B.Tech. IT, published a paper on **"Intelligent Classification Method for Web page Manipulation Detection"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

IT | PAPER PUBLICATION | AUTOMATED RAILWAY GATE CONTROL SYSTEM USING ARDUINO AND ULTRASONIC SENSORS

Automated Railway gate control system using Arduino and Ultrasonic sensors

P Ilampiray [1], K Deepak [1], M G Deepak Santhosh [1], S kishore [1]
[1] Department of Information Technology, Sri Krishna College of Technology, Coimbatore, India
ilampiray.p@skct.edu.in

Abstract. In a country like India, which has a population of about 1.39 Billion depends on its Transportation for its daily living. Transportation plays a main role in India's Economic Development and more than 35% of the lives of people in India depends on its transportation. Railways is the most popular and highly used transportation in India. It is the most effective mode of transportation not only in India, but also all over the World. As like its usage it also leads to a high number of accidents. Like road accidents, there are more accidents happening at railway crossings due to the unmanned level crossings and the carelessness of the road users. According to the National Crime Records Bureau [NCRB], the rate of level crossing accidents is 20% up in 2019 than 2018. However there will be an increase in the percentage of accidents every year but the percentage in the last two years has increased drastically. There were 1788 level crossing accidents in 2019, which include 1762 deaths. "Necessity is the mother of Invention" as like this saying the is a simple system, which automatically closes the level crossing gates during the train's arrival and then the gates are opened automatically when the train passes by. In our system we have used ultrasonic sensors for detecting the departure and arrival of the trains. As soon as the sensor senses the train's arrival it sends a message to the Arduino which will switch on the buzzer, so that the road users will know that the train is nearer, and after that the servo motor which is attached to the gates will close them and it will be opened after the train passes by. And then the buzzer will also be turned off. This is automated, highly effective and cheap. Our system will eliminate the manpower used at the level crossings.

Keywords: Arduino, Ultrasonic sensor, servo motor, buzzer.

1. Introduction

One of the most commonly used transportation nowadays is railways. Which is also a cost-effective transportation mode. Indian Railways is the largest rail network in Asia and second largest in the world. The trains are being continuously operated every single day. So, its nearly impossible to prevent some of the accidents during the train passing [1-3]. As per the survey there are thousands and thousands of people losing their life in train accidents. Most of these accidents are caused due to carelessness of people and unmanned level crossing. In our country it happens often due to the country's vast population, mainly it is happening in rural areas [4–7]. At least 1/3rd of the railway crossings goes unnoticed due to remote placement and less traffic, which results in accidents. Currently present railway crossings are not advanced and safe [8]. Therefore, these accidents cause serious damage to human life. The most common

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Ms P Ilampiray, Asst. Professor, Mr K Deepak, Mr M G Deepak Santhosh and Mr S Kishore, Students of B.Tech. IT, published a paper on **"Automated Railway Gate Control System Using Arduino and Ultrasonic Sensors"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

IT | PAPER PUBLICATION | IDENTIFICATION OF SPAMMER AND FAKE ACCOUNTS ON SOCIAL NETWORKS

ICCCEBS 2021 IOP Publishing
Journal of Physics: Conference Series **1916** (2021) 012095 doi:10.1088/1742-6596/1916/1/012095

Identification of spammer and fake accounts on social networks

P Alaguvathana[1], R Suganya[1], P Ilampiray[1], Sriraam N[1] and Premkumar M[1]
[1]Department of Information Technology, Sri Krishna College of Technology, Coimbatore, Tamilnadu, India.
alaguvathana.p@skct.edu.in

Abstract. The existence in the electronic world is dominated by rechargeable conversations. The emails from advertisers and online communication companies end up being junk most often because their receivers are bombarded with promotional messages which are meaningless to them. Unwanted emails are a form of email correspondence. Because of email spam, there is a requirement to block and separate undesign ned messages. Many email-snoise Itering algorithms and computing techniques have been developed, but spammers continuously adjust their spam methods to stay one step ahead of them. We present here a method which makesuse of binary and continuous probability distributions for the creation of spam. Naive Bayes and Decision trees How much model error affects the decision tree's efficiency and accuracy is measured. The classi cr with the best accuracy to correctly distinguish non-spam and nonspam emails has been found. this error also results in increasing the roll-out of invalid information to unnecessary customers, as well as increasing the probability of including harmful elements. The problem of spammers and scammers in today's online communities has been known in some circles for some time. At the moment, play out a search of ways to identify Twitter spam methods A conceptualisation of the Twitter recognitions shows that the techniques lean toward recognising fakes, (ii) in places, (iii) web clients, and (iv) spammers use URLs to assist in making the product. Furthermore, the procedures may be analysed, including, for example, customers, material, structure, and time. It's reassuring to know that this exhibition would be a source of understanding for researchers on social media on their own.

Keywords: Online Informal Communities, spammer detection.

1. Introduction

Any kind of data from anywhere can be accessed by going to the Website. The rise in social gain entities' eagerness to collect accurate information on clients To these destinations, vast volumes of data are open and readily accessible [1]. Twitter has rapidly turned into a hub for client contact information gathering on the internet. Twitter is a social media platform where clients can exchange news, thoughts, too, as well as everything else. There are multiple, such as current affairs, governmental events, that canbe the subject of conflict, but not many people are involved in doing so because they aren't impacting their daily lives. Clients are able to expand the campaign's gotten data to a wider audience at the point of a tweet, allowing them to increase attention to their cause [2] The value of considering and checking practise decisions in the online stage has increased. A number of OSNs that had no relevant data for the fraudsters. People would not waste their time on fixing

Content from this work may be used under the terms of the Creative Commons Attribution 3.0 licence. Any further distribution of this work must maintain attribution to the author(s) and the title of the work, journal citation and DOI.
Published under licence by IOP Publishing Ltd

Ms P Alaguvathana, Dr R Suganya, Ms P Ilampiray, Asst. Professors, Mr N Sriraam and Mr M Premkumar, Students of B.Tech. IT, published a paper on **"Identification of Spammer And Fake Accounts on Social Networks"** in IoP Journal of Physics: Conference Series, Volume 1916 on May 2021.

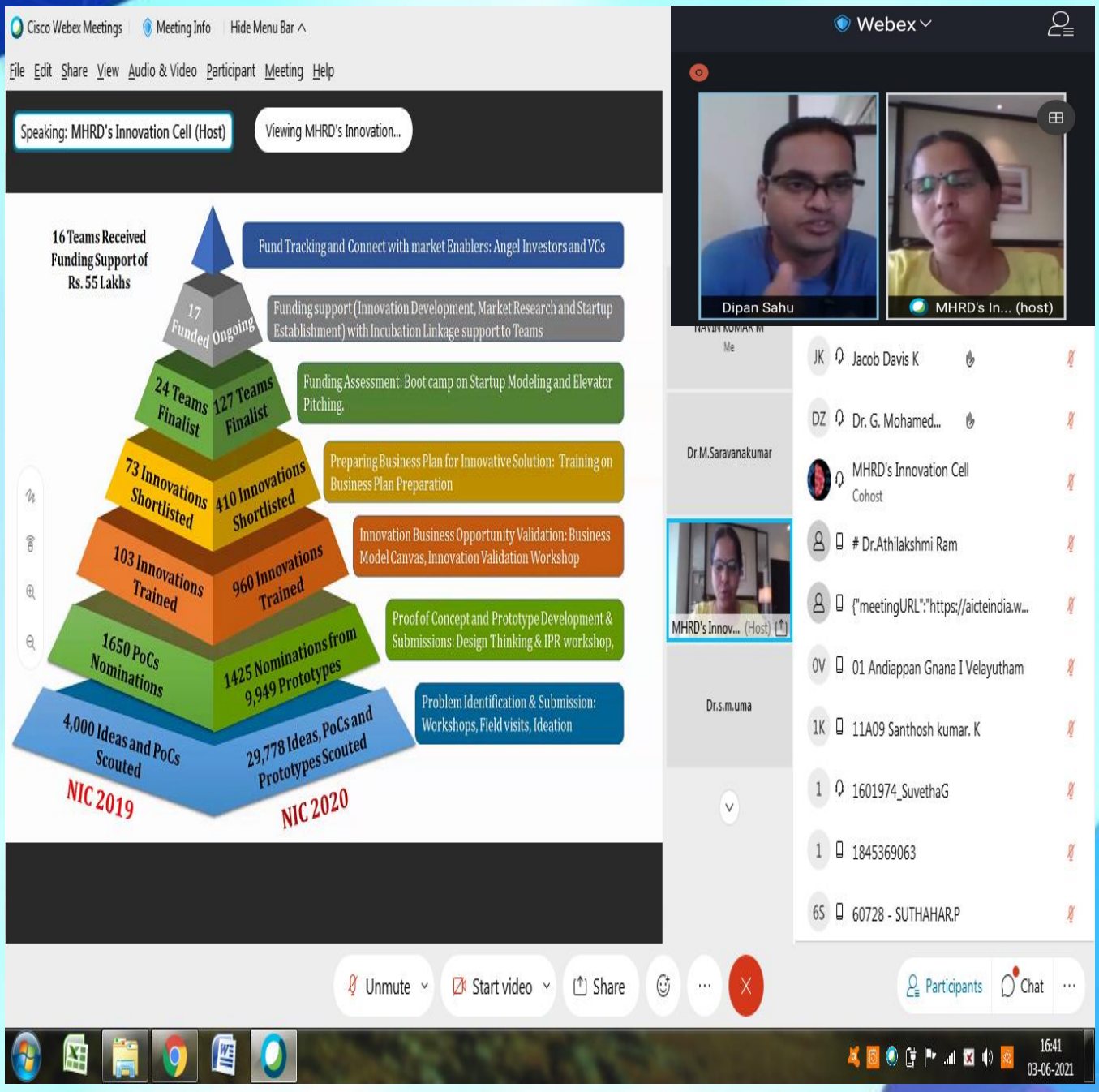
NEW VISTAS OF LEARNING

@skctdigest

@skctofficial

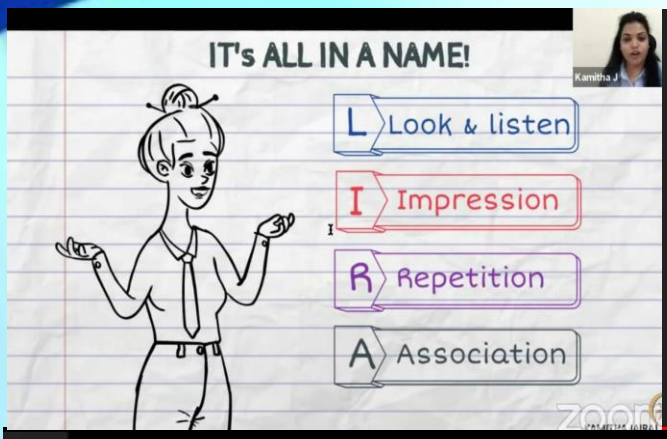
digestfeedback@skct.edu.in

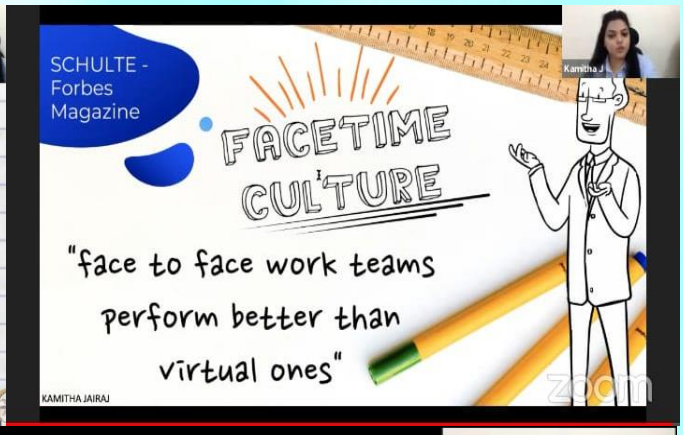
SKCT | IIC ORIENTATION SESSION



The Members of Faculty from SKCT attended **"Orientation Session on Schemes and Programs for IIC Institutions"** organised by Institutions' Innovation Council and Ministry of Educations' Innovation Cell on 03 June 2021.

ECE | NPTEL LIVE SESSION ON COMMUNICATING IN THE VIRTUAL WORLD





LIVE _ Communicating in the virtual world

Students and the Members of Faculty from the Dept. of ECE attended the NPTEL live session on **"Communicating in the Virtual World"** facilitated by Ms Kamitha Jairaj, Lab Engagement Lead, IBM India Pvt. Ltd. on 03 June 2021.

CIVIL | WEBINAR ON INTRODUCTION TO BUILDING INFORMATION MODELLING

MOHAMED SATHAK
A. J. COLLEGE OF ENGINEERING
SIRUSERI IT PARK,OMR, CHENNAI 603 103

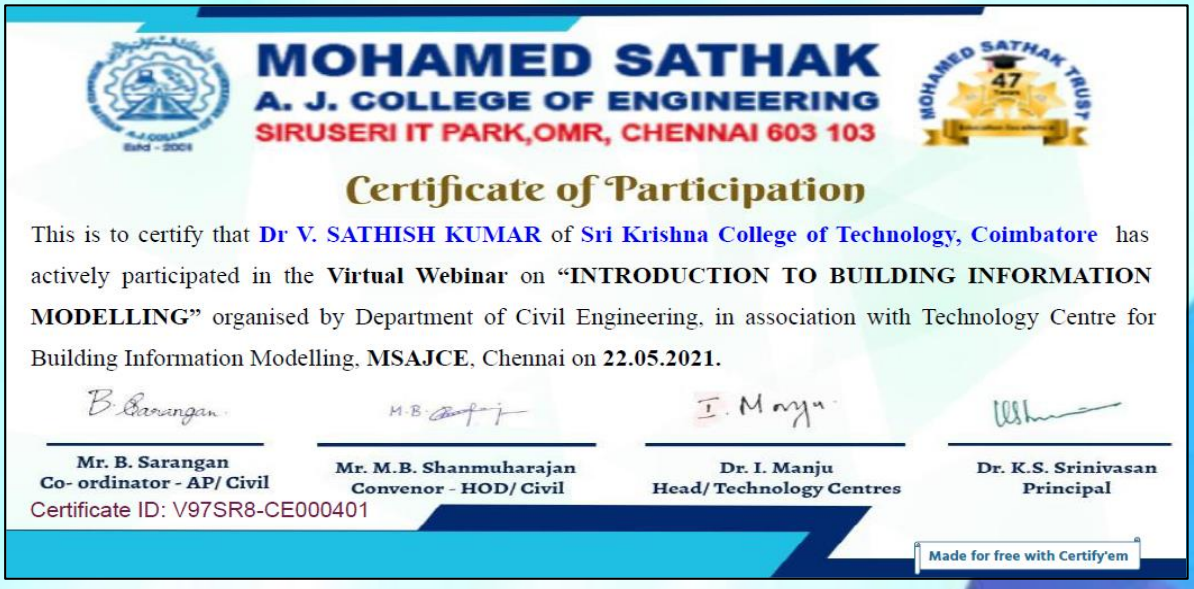
Certificate of Participation

This is to certify that **Dr.M.LENIN SUNDAR** of **Sri Krishna College of Technology, Coimbatore** has actively participated in the **Virtual Webinar** on **"INTRODUCTION TO BUILDING INFORMATION MODELLING"** organised by Department of Civil Engineering, in association with Technology Centre for Building Information Modelling, **MSAJCE**, Chennai on **22.05.2021.**

Mr. B. Sarangan	Mr. M.B. Shanmuharajan	Dr. I. Manju	Dr. K.S. Srinivasan
Co- ordinator - AP/ Civil	Convenor - HOD/ Civil	Head/ Technology Centres	Principal

Certificate ID: V97SR8-CE000446

Made for free with Certify'em


MOHAMED SATHAK
A. J. COLLEGE OF ENGINEERING
SIRUSERI IT PARK,OMR, CHENNAI 603 103

Certificate of Participation

This is to certify that **Dr V. SATHISH KUMAR** of **Sri Krishna College of Technology, Coimbatore** has actively participated in the **Virtual Webinar** on **"INTRODUCTION TO BUILDING INFORMATION MODELLING"** organised by Department of Civil Engineering, in association with Technology Centre for Building Information Modelling, **MSAJCE**, Chennai on **22.05.2021.**

Mr. B. Sarangan	Mr. M.B. Shanmuharajan	Dr. I. Manju	Dr. K.S. Srinivasan
Co- ordinator - AP/ Civil	Convenor - HOD/ Civil	Head/ Technology Centres	Principal

Certificate ID: V97SR8-CE000401

Made for free with Certify'em

Dr M Lenin Sundar, Professor and Dr V Sathish Kumar, Asst. Professor, Dept. of Civil Engineering, attended a webinar on "**Introduction to Building Information Modelling**" organised by Mohammed Sathak A J College of Engineering, Chennai on 22 May 2021.

ECE | WEBINAR ON CYBER SECURITY

PAN_VCET_CYBER_May 24, 2021_183

CERTIFICATE

OF PARTICIPATION

THIS IS TO CERTIFY THAT

Mr.NAVIN KUMAR M
SRI KRISHNA COLLEGE OF TECHNOLOGY

FOR PARTICIPATING IN THE

WORKSHOP ON
" CYBER SECURITY "

on 24th May 2021 | Hosted By Department of Information Technology & Computer Science and Engineering, Velalar College of Engineering and Technology, in association with Pantech E Learning, Chennai.

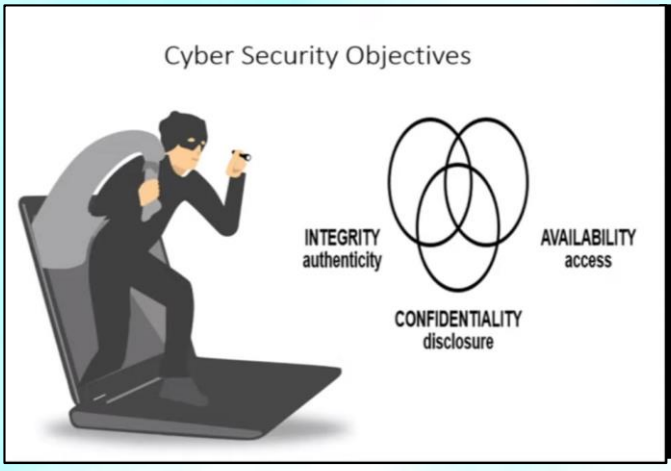
Dr.S.Jabeen Begum
HOD/CSE
& Student Branch Counsellor

Prof.Dr.M.Jayaraman
Principal

SRINIVASAN.N
Director

www.pantechelearning.com

Pantech e Learning
DIGITAL LEARNING SIMPLIFIED



Mr M Navin Kumar, Asst. Professor, Dept. of ECE, attended a webinar on **"Cyber Security"** organised by Vellalar College of Engineering and Technology, Erode and Pantect e learning on 24 May 2021.

ECE | WEBINAR ON ANOMALY DETECTION FOR REAL TIME MONITORING SYSTEMS USING SIGNAL PROCESSING TECHNIQUE

Dr. Ambedkar Institute of Technology

An Autonomous Institution, Aided by Government of Karnataka, Affiliated to VTU, Belagavi
BDA Outer Ring Road, Near Jnana Bharathi Campus, Mallathahalli, Bengaluru- 560056, Karnataka

Jointly Organized by

Department of Electronics & Communication Engineering

and

Institute of Engineering & Technology,Dr. Ram Manohar Lohia Avadh University, Ayodhya, UP

In Association With

ISTE Dr.AIT Students Chapter

TEQIP - III

CERTIFICATE OF PARTICIPATION

This is to certify that **Ms. ANJU ASOKAN** from **Sri Krishna College of Technology** has participated in the webinar on **"Anomaly Detection for Real-Time Monitoring Systems using Signal Processing Techniques"** held on **26/05/2021** organized by the Department of Electronics and Communication Engineering at Dr. Ambedkar Institute of Technology, Bengaluru.

Dr. Ramesh S.
Professor & Head
Dept. of ECE

Dr. G. Rajendra
Principal

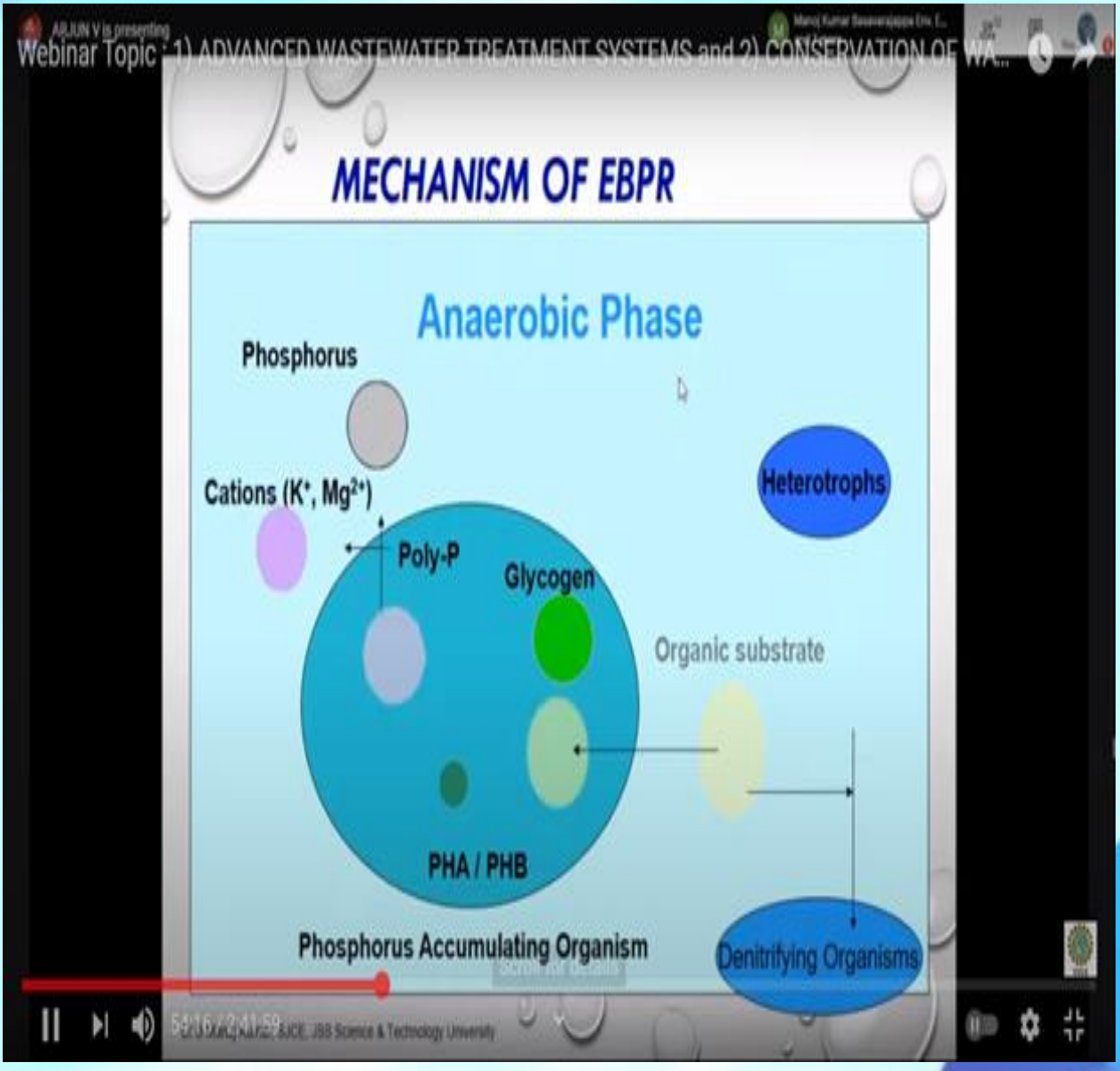
Coordinators :
Dr. Shilpa K.C
Assistant Professor
Dept. of ECE

Ms Shwetha N
Assistant Professor
Dept. of ECE

Mrs Sangeetha N
Assistant Professor
Dept. of ECE

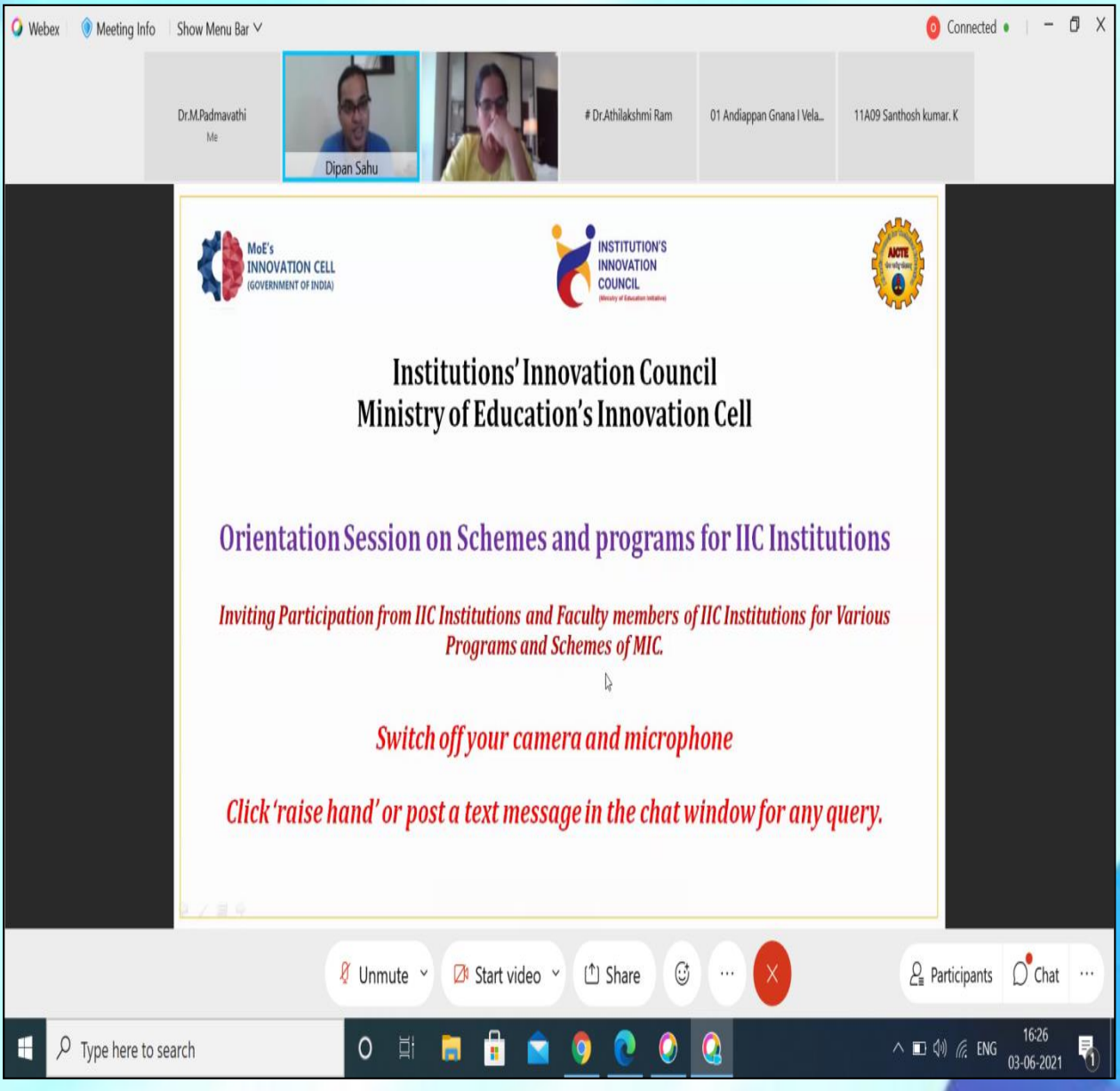
Dr Anju Asokan, Asst. Professor, Dept. of ECE, attended a webinar on "**Anomaly Detection for Real time Monitoring Systems using Signal Processing Technique**" organised by Dr Ambedkar Institute of Technology, Bengaluru on 26 May 2021.

ICE | WEBINAR ON ADVANCED WASTE WATER TREATMENT SYSTEM



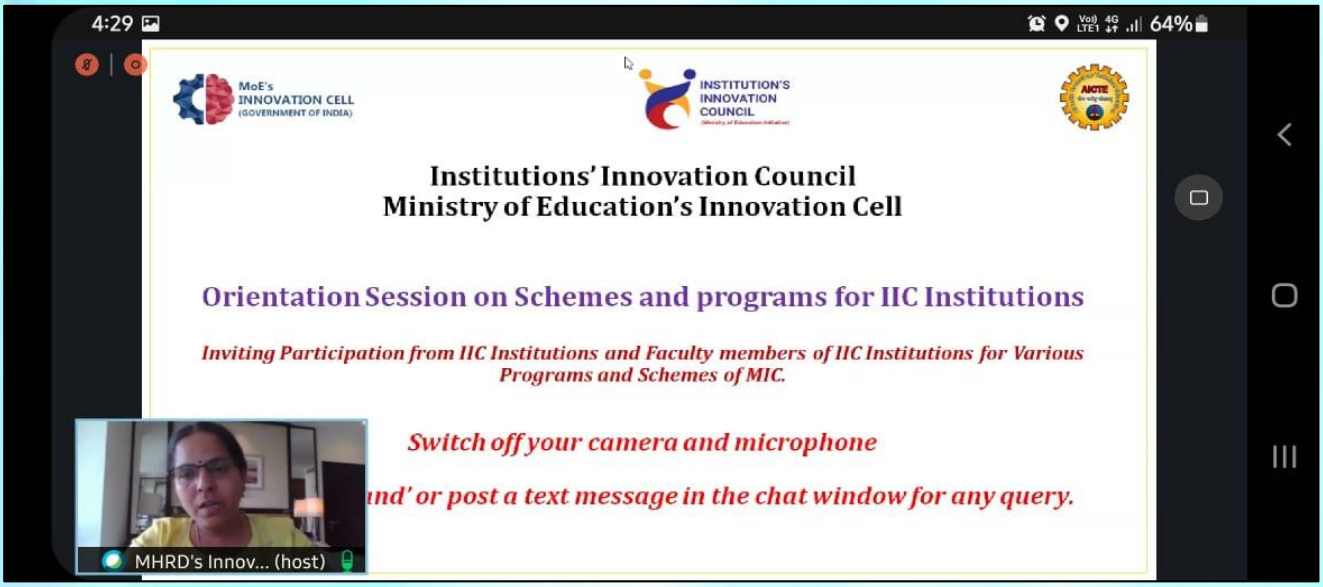
Ms K Shanthi K, Asst. Professor, Dept. of ICE, attended a webinar on **"Advanced Waste Water Treatment System"** facilitated by Dr Manoj Kumar, Professor and Head, JSS Science and Technology, Mysore on 01 June 2021.

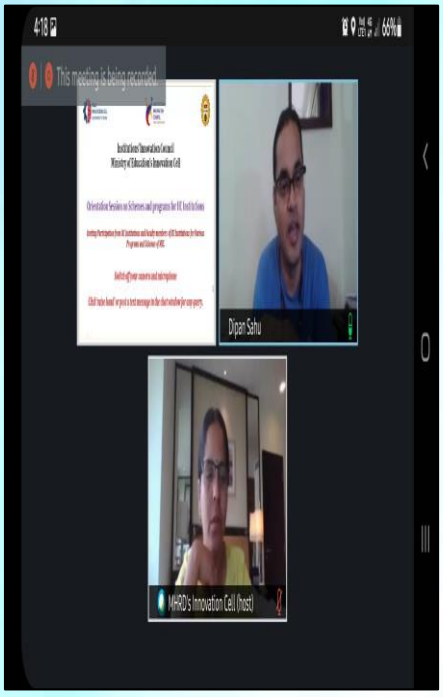
SoM | ORIENTATION SESSION ON SCHEMES AND PROGRAMS FOR IIC INSTITUTION



Dr M Padmavathi, Professor and Head, SoM, attended **"Orientation Session on Schemes and Programs for IIC Institutions"** organised by AICTE, IIC and Ministry of Education's Innovation Cell on 03 June 2021.

EEE | WEBINAR ON IIC'S ORIENTATION SESSION ON SCHEMES AND PROGRAMS FOR IIC INSTITUTIONS





Dr K Lakshmi, Professor and Head, Dept. of EEE, attended "**Orientation Session on Schemes and Programs for IIC Institutions"** organised by AICTE, IIC and Ministry of Education's Innovation Cell on 03 June 2021.

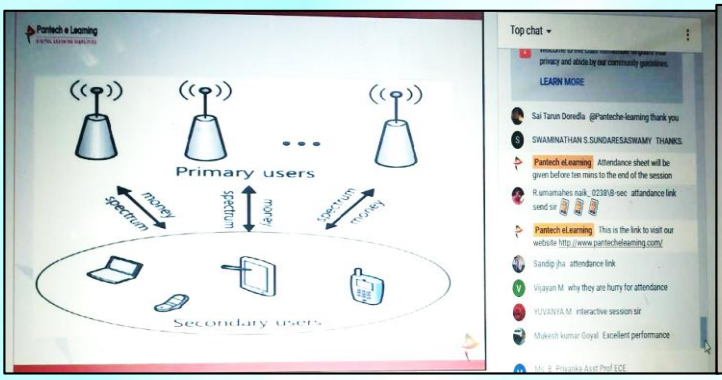
EEE | WEBINAR ON SIMULATION TECHNIQUES ENABLING FLOOD SIMULATION AND DISASTER MITIGATION BY DASSAULT SYSTEMES

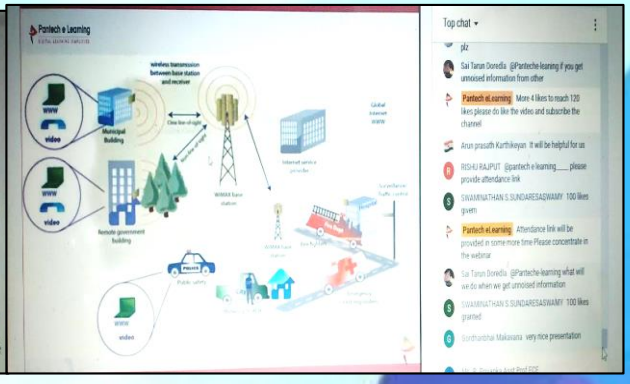
The Members of Faculty from the Dept. of EEE attended a webinar on "**Simulation Technologies Enabling Flood Simulation and Disaster Mitigation**" organised by Dassault La Foundation Systemes on 03 June 2021.

ECE | WEBINAR ON ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Ms N Vijayalakshmi, Asst. Professor, Dept. of ECE, attended a webinar on **"Artificial Intelligence & Machine Learning"** organised by Sri Ramakrishna Institute of Technology, Coimbatore on 31 May 2021.

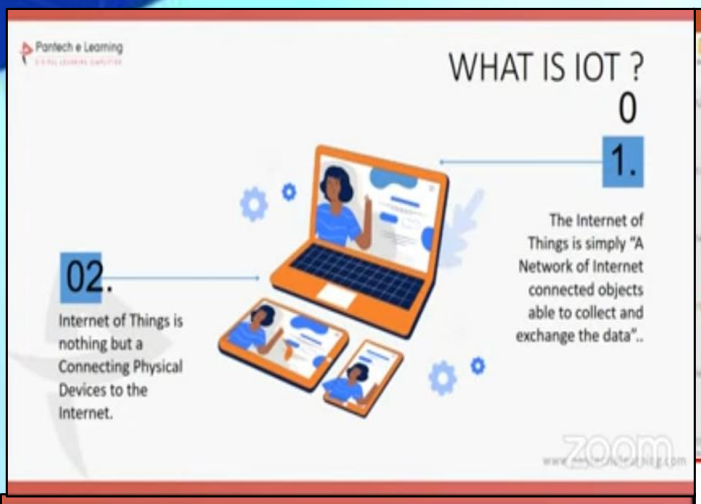
ECE | WEBINAR ON COGNITIVE RADIO USING MATLAB

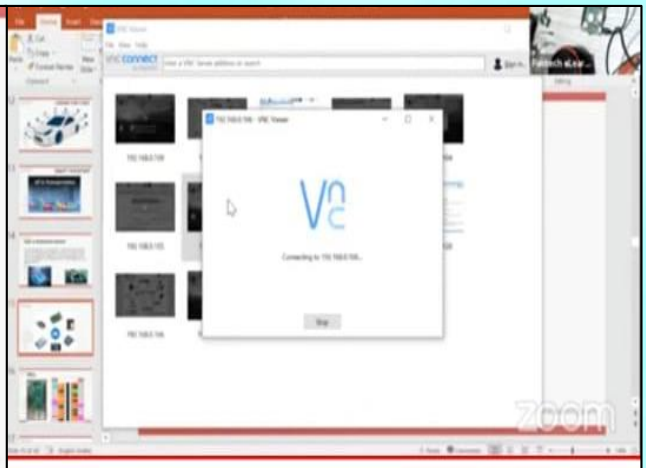


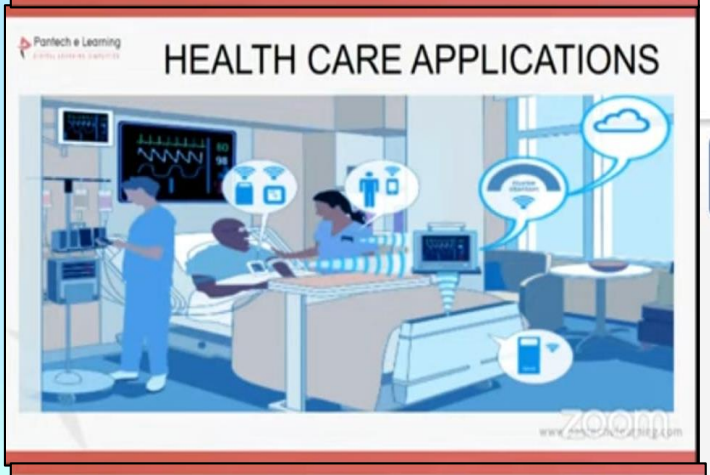


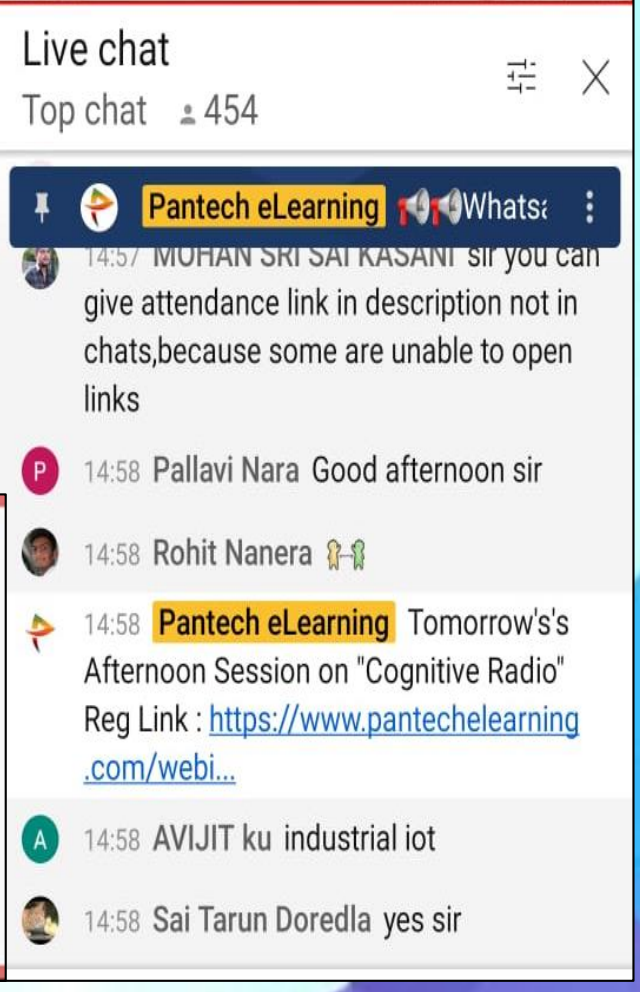
Ms B Priyanka, Asst. Professor, Dept. of ECE, attended a webinar on **"Cognitive Radio using MATLAB"** organised by Nehru Institute of Engineering and Technology, Coimbatore on 03 June 2021.

ECE | WEBINAR ATTENDED | IoT SYSTEMS









Mr M Navin Kumar, Asst. Professor, Dept. of ECE, attended a webinar on **"IoT Systems"** organised by Siddharth Institute of Engineering and Technology, Puttur and Pantech e Learning on 02 June 2021.

FDPS ATTENDED

Faculty Development Program

@skctdigest

@skctofficial

digestfeedback@skct.edu.in

ECE | AICTE FDP ON NBA ACCREDITATION AND EXAMINATION REFORMS

Certificate No : 5195/21-22

National Institute of
Technical Teachers Training and Research
Chandigarh

MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA

Certificate

This is to certify that

JAISHREE MURUGESAN

SRI KRISHNA COLLEGE OF TECHNOLOGY, COIMBATORE
TAMIL NADU

Participated in the Online AICTE Recognized Faculty Development Programme

on

NBA Accreditation and Examination Reforms

from

17/05/2021 to 21/05/2021 (one Week)

Conducted by

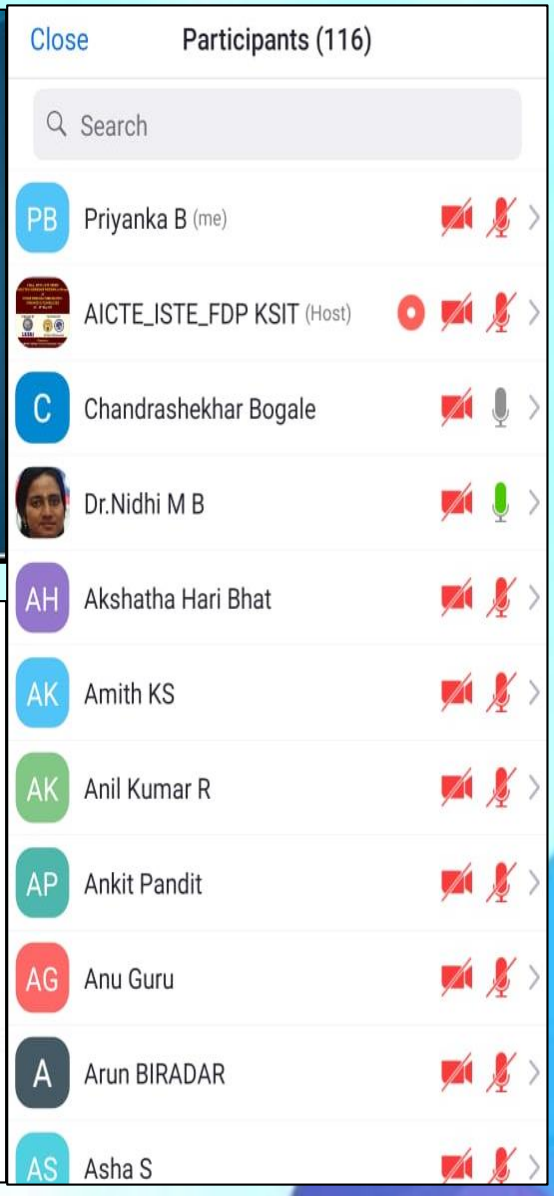
Electronics and Communication Engineering Department

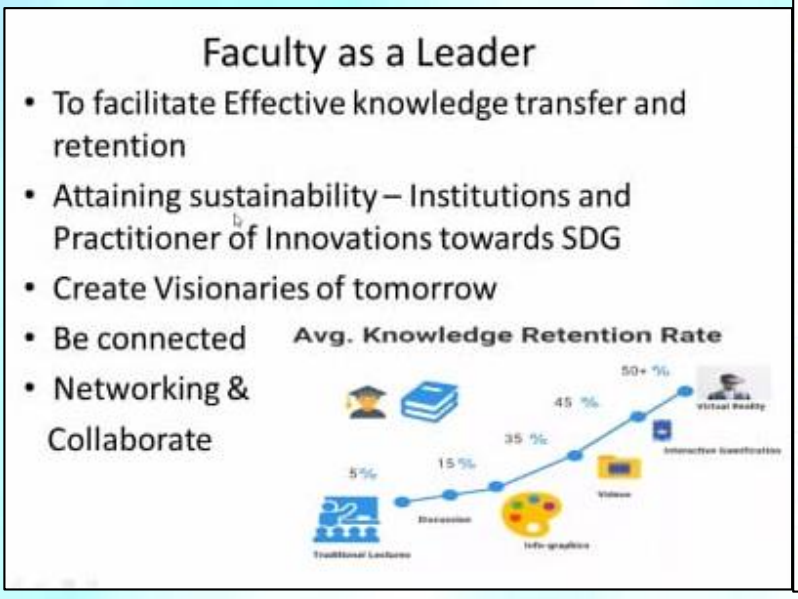
NITTTR, Chandigarh

Co-ordinator | Head of the Department | Director

Ms M Jaishree, Asst. Professor, Dept. of ECE, attended the AICTE FDP on **"NBA Accreditation and Examination Reforms"** organised by NITTTR, Chandigarh during 17-21 May 2021.

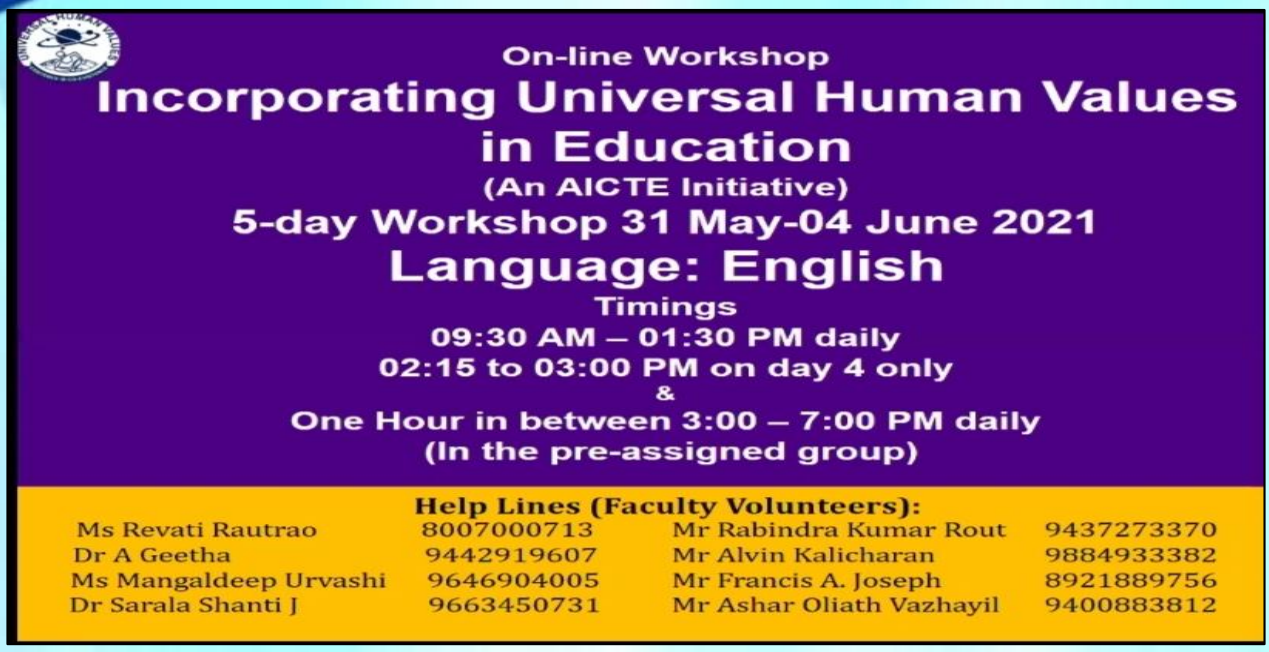
ECE | AICTE-ISTE FUNDED INDUCTION REFRESHER PROGRAMME ON FUTURE WIRELESS COMMUNICATION: STANDARDS AND TECHNOLOGIES

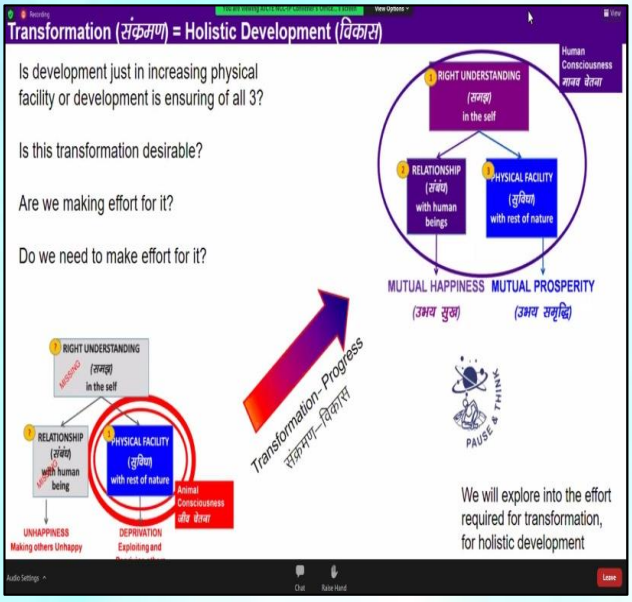


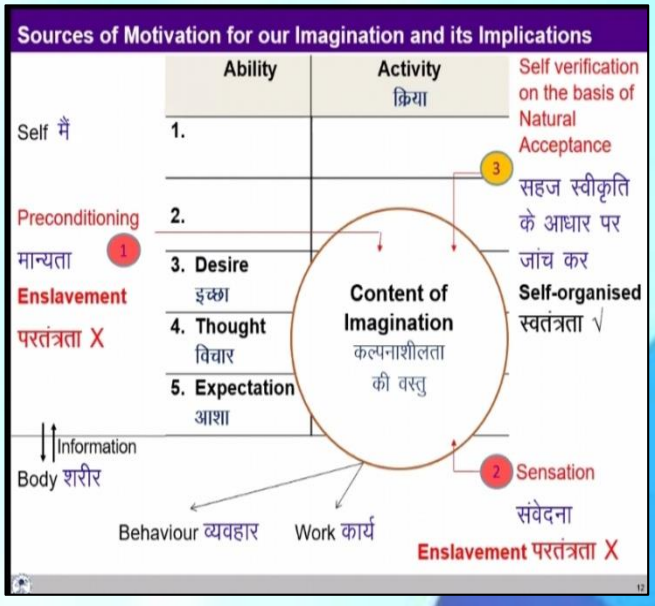


Ms B Priyanka, Asst. Professor, Dept. of ECE, attended a Six-day AICTE-ISTE Funded Induction Refresher Programme on **"Future Wireless Communication: Standards and Technologies"** organised by K S Institute of Technology, Bangalore on 24 May 2021.

EEE | AICTE FDP ON INCORPORATING UNIVERSAL HUMAN VALUES IN EDUCATION







Mr P Leninpugalhanthi and Mr T Bharani Prakash, Asst. Professors, Dept. of EEE, attended a Five-day Faculty Development Programme on "**Incorporating Universal Human Values in Education**" organised by AICTE, New Delhi during 31 May-04 June 2021.

ECE | AICTE-ISTE FUNDED INDUCTION PROGRAMME ON FUTURE WIRELESS COMMUNICATION: STANDARDS & TECHNOLOGIES

Kammavari Sangham (R) 1952,
K.S.Group of Institutions
K.S INSTITUTE OF TECHNOLOGY
(Affiliated to VTU & Approved by AICTE, New Delhi, Accredited by NAAC & IEI)
#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru – 560109
Ph: 28435722 / 24 | Fax: 080 28435723 | Email: principal@ksit.ac.in | web: www.ksit.ac.in
Sponsored by AICTE & ISTE New Delhi

CERTIFICATE OF PARTICIPATION

This is to Certify that Ms.Priyanka.B from Sri Krishna College of Technology has participated in 6-days AICTE-ISTE funded Induction / Refresher program (3rd - Phase) on "Future Wireless Communication: Standards & Technologies" organized by the Department of Electronics & Communication Engineering between 24th - 29th May 2021.

Dr P N Sudha
Prof.& Head ECE Dept
Program Chair

Dr.Sangappa.S.B
Director (Adm & PR), KSGI
Chief Coordinator

Dr.Dilip Kumar.K
Principal/ Director
KSIT

Ms B Priyanka, Asst. Professor, Dept. of ECE, attended a Six-day AICTE-ISTE funded Induction Programme on **"Future Wireless Communication: Standards & Technologies"** organised by K S Institute of Technology, Bengaluru during 24-29 May 2021.

ECE | ATAL FDP ON CYBER SECURITY VULNERABILITIES AND SAFEGUARDS

Ms S Thenmozhi, Asst. Professor, Dept. of ECE, attended the ATAL FDP on **"Cyber Security Vulnerabilities and Safeguards"** organised by NITTTR, Chandigarh during 14-21 May 2021.

No:ATAL/2021/1620624480

ATAL

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training And Learning (ATAL) Academy

Certificate

This is certified that THENMOZHI S, Assistant Professor of Sri Krishna College of Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Cyber Security Vulnerabilities & Safeguards" from 2021-05-17 to 2021-05-21 at National Institute of Technical Teachers Training & Research Chandigarh.

Director ATAL Academies

Coordinator

ECE | ATAL FDP | MODERN TECHNIQUES FOR WIRELESS COMMUNICATION

Mr G Santhakumar, Asst. Professor, Dept. of ECE, attended the ATAL FDP on **"Modern Techniques for Wireless Communication"** organised by Madhav Institute of Technology & Science, Gwalior duirng 17-21 May 2021.

ECE | FDP ATTENDED | MACHINE LEARNING & AI USING PYTHON

Dr K Sumathi, Professor, Mr M Navin Kumar, Mr S Ganesh Prabhu and Ms S Thenmozhi, Asst. Professors, Dept. of ECE, attended a Two-week FDP on **"Machine Learning & AI using Python"** organised by the Dept. of ECE and Quantum Learnings - Centre of Excellence, SKCT during 17-28 May 2021.

ICE | FDP ON CREATIVE AND INNOVATIVE TEACHING STRATEGIES FOR THE NEW NORMAL

Sri Sivasubramaniya Nadar College of Engineering

SSN

(An Autonomous Institution affiliated to Anna University)
Rajiv Gandhi Salai, Kalavakkam – 603110
&
Institution's Innovation Council (SSN - IIC)

INSTITUTION INNOVATION COUNCIL

CERTIFICATE OF PARTICIPATION

This is to acknowledge that

S.Dilip Kumar

of

Sri Krishna College of Technology

has participated in the Faculty Development Programme on "Creative and Innovative Teaching Strategies for the New Normal" organized by the Institution's Innovation Council of Sri Sivasubramaniya Nadar College of Engineering during May 24-31,2021.

Dr.Mrunal Deshpande
Associate Professor/EEE

(Dr.V.E.Annamalai)
Principal

Mr Dilip Kumar S, Asst. Profesor, Dept. of ICE, attended an Faculty Development Programme on "**Creative and Innovative Teaching Strategies for the New Normal"** organised by IIC, SSN College of Engineering, Chennai during 24-31 May 2021.

EEE | FDP ON CREATIVE AND INNOVATIVE TEACHING STRATEGIES FOR THE NEW NORMAL

Sri Sivasubramaniya Nadar College of Engineering

SSN

(An Autonomous Institution affiliated to Anna University)
Rajiv Gandhi Salai, Kalavakkam – 603110
&
Institution's Innovation Council (SSN - IIC)

INSTITUTION INNOVATION COUNCIL
(Ministry of Education Initiat

CERTIFICATE OF PARTICIPATION

This is to acknowledge that

S.Saravanan

of

Sri Krishna College of Technology

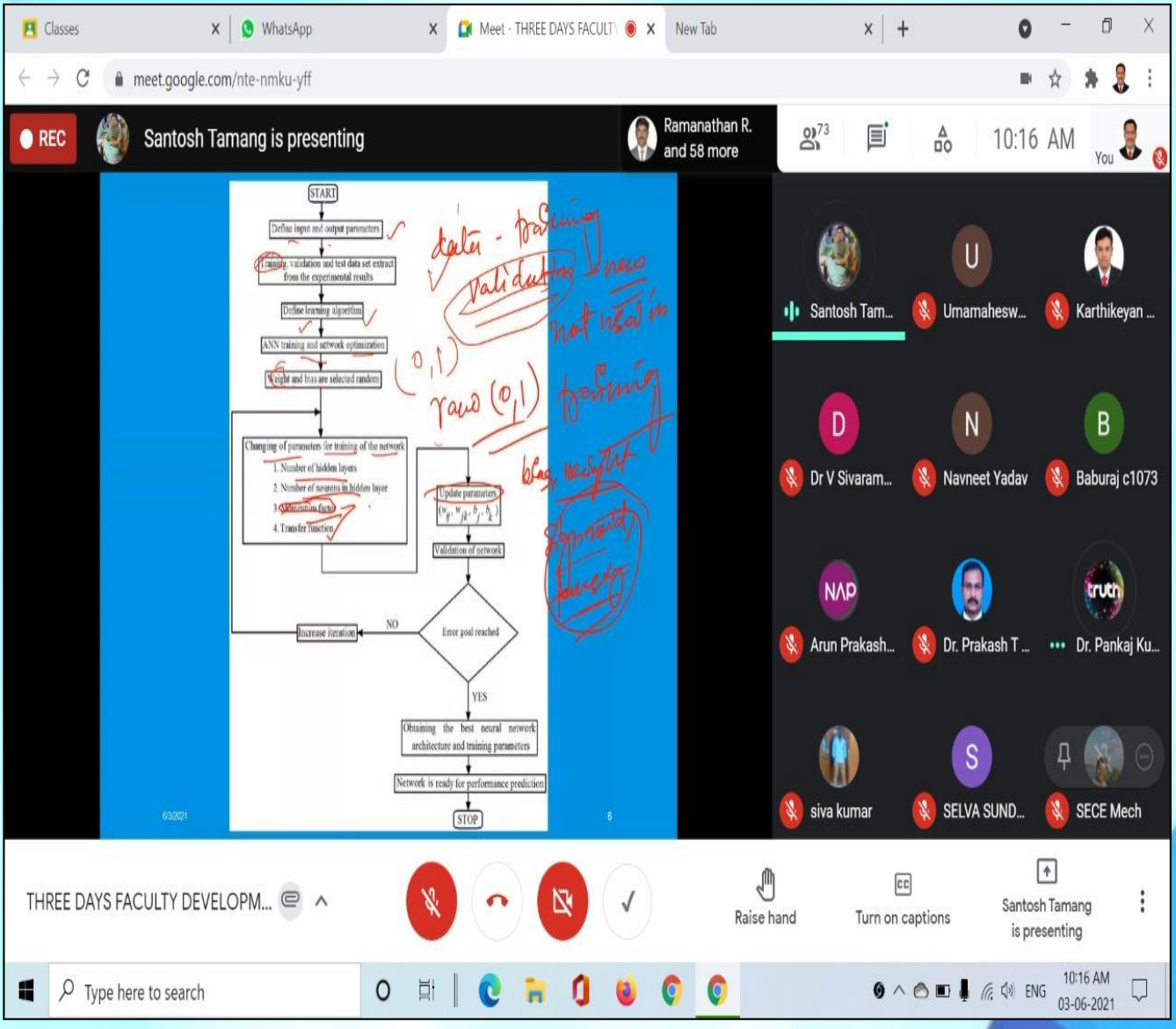
has participated in the Faculty Development Programme on "Creative and Innovative Teaching Strategies for the New Normal" organized by the Institution's Innovation Council of Sri Sivasubramaniya Nadar College of Engineering during May 24-31,2021.

Dr.Mrunal Deshpande
Associate Professor/EEE

(Dr.V.E.Annamalai)
Principal

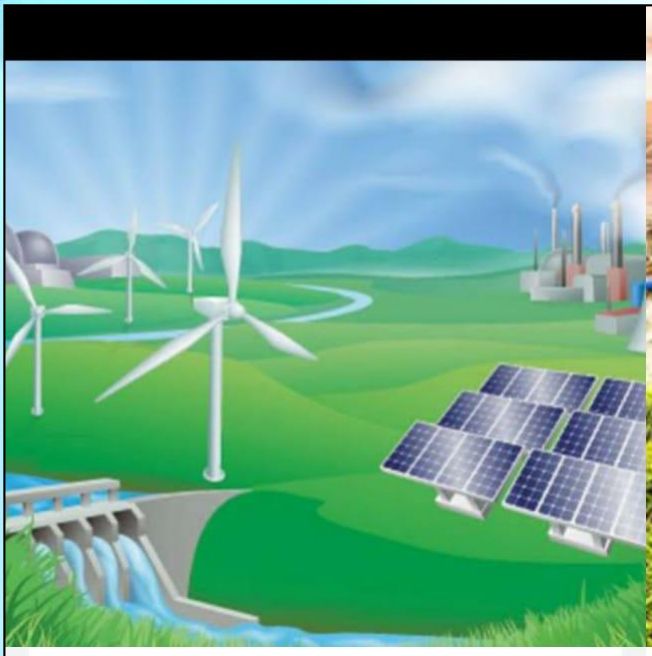
Dr S Saravanan, Asst. Professor, Dept. of EEE, attended an Faculty Development Programme on "**Creative and Innovative Teaching Strategies for the New Normal**" organised by IIC, SSN College of Engineering, Chennai during 24-31 May 2021.

MECH | FDP ON APPLICATION OF ARTIFICIAL INTELLIGENCE IN MECHANICAL ENGINEERING



Dr P Sakthivel, Assoc. Professor and Mr K S Raghul, Asst. Professor, Dept. of Mechanical Engineering, attended the Day 2 of an FDP on **"Application of Artificial Intelligence In Mechanical Engineering"** organised by Dr N G P Institute of Technology, Coimbatore on 03 June 2021.

MECH | FDP ON GREEN TECHNOLOGY FOR ENHANCING LIVELIHOODS



Centurion University of Technology and Management, Odisha

(Skill University, Recognized by UGC, NAAC with 'A' grade)

Faculty Development Programme

on

Green Technology for Enhancing Livelihoods

(31st May -4th June 2021)

Organized by

Center for Smart Infrastructure

In association with

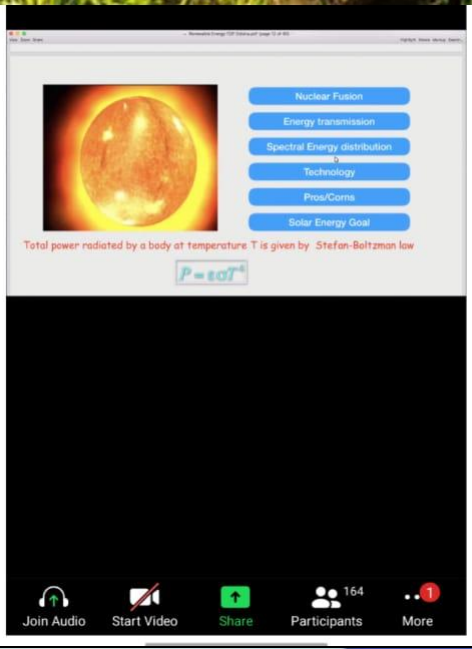
Center for Renewable Energy & Environment

and

Department of Electronics & Communication Engineering

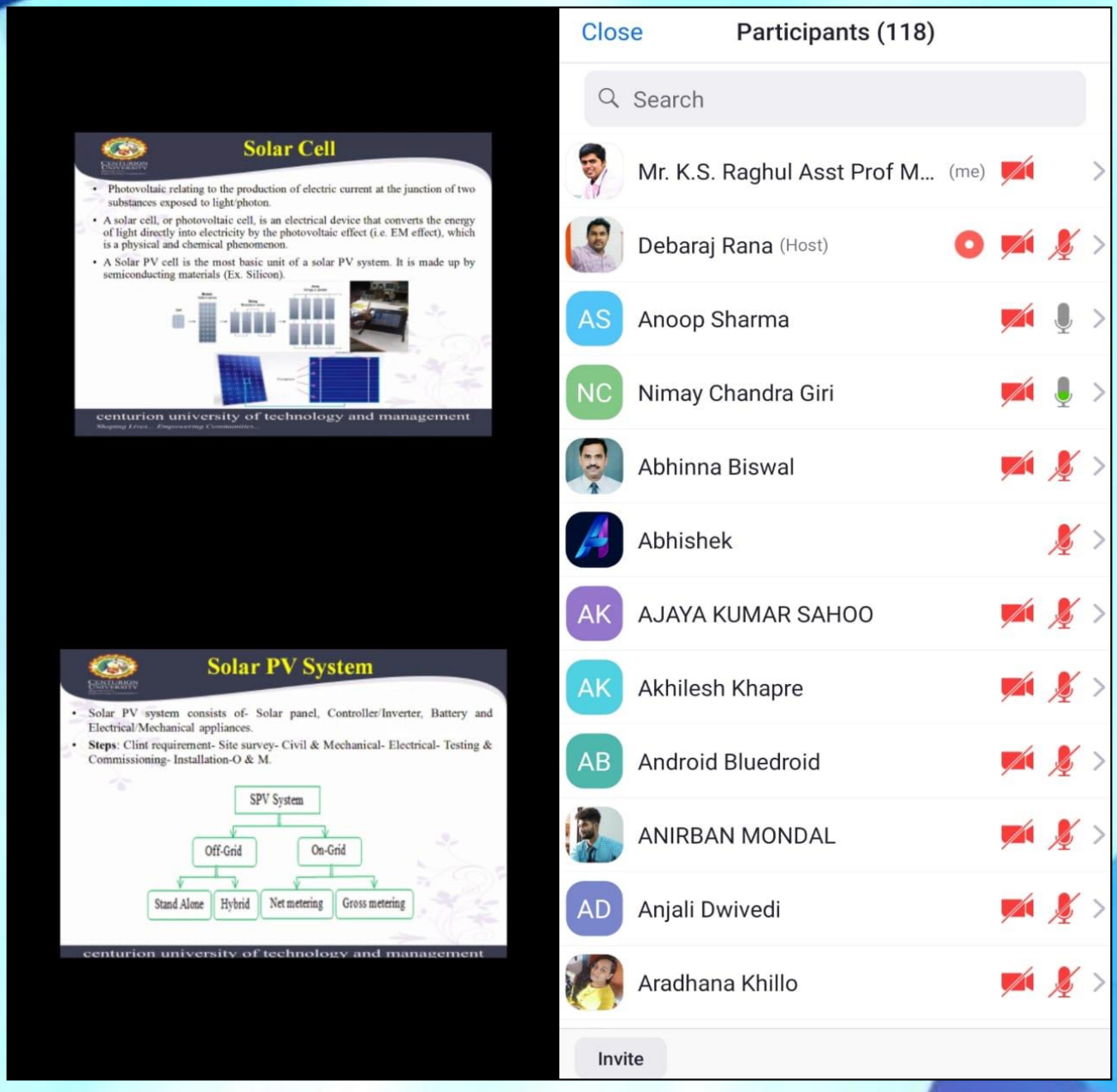
Programme Schedule

Date	Time	Speaker Name and Affiliation	Topic
31.05.2021	1:00 PM	Inaugural Session	
	1:30 PM-3:00 PM	Dr. Jyotsna Singh University of Lucknow, UP	• Renewable Power for Sustainable Development
01.06.2021	10:00 AM - 11:00 AM	Dr. Mahendra Kumar Mohanty OUAT, Bhubaneswar	• Utilization of Renewable Energy for Rural Livelihood in Agriculture and Allied Sectors
	11:00 AM-12:00 PM	Dr. Surendra Poonia ICAR-CAZRI, Jodhpur, Rajasthan	• Utilization of Solar Energy in Agriculture.
02.06.2021	10:00 AM-11:30 AM	Dr. Susanta Kumar Tripathy NIT, Silchar	• Solar Photovoltaic System
03.06.2021	10:00 AM-11:00 AM	Prof. Bibhu Prasad Ganthia IGIT, Sarang	• Wind Energy Conversion System
	11:00 AM-12:00 PM	Mr. Arupananda Pattanaik OREDA, Bhubaneswar	• Livelihood Products for Rural Revitalization
04.06.2021	10:00 AM-11:30 AM	Prof. Nimay Chandra Giri Master Trainer, SCGJ, CUTM Prof. Smruti Ranjan Nayak Master Trainer, SCGJ, CUTM	• System Sizing • Live Demonstration of Livelihood Products
	11:30 AM	Valedictory Session	



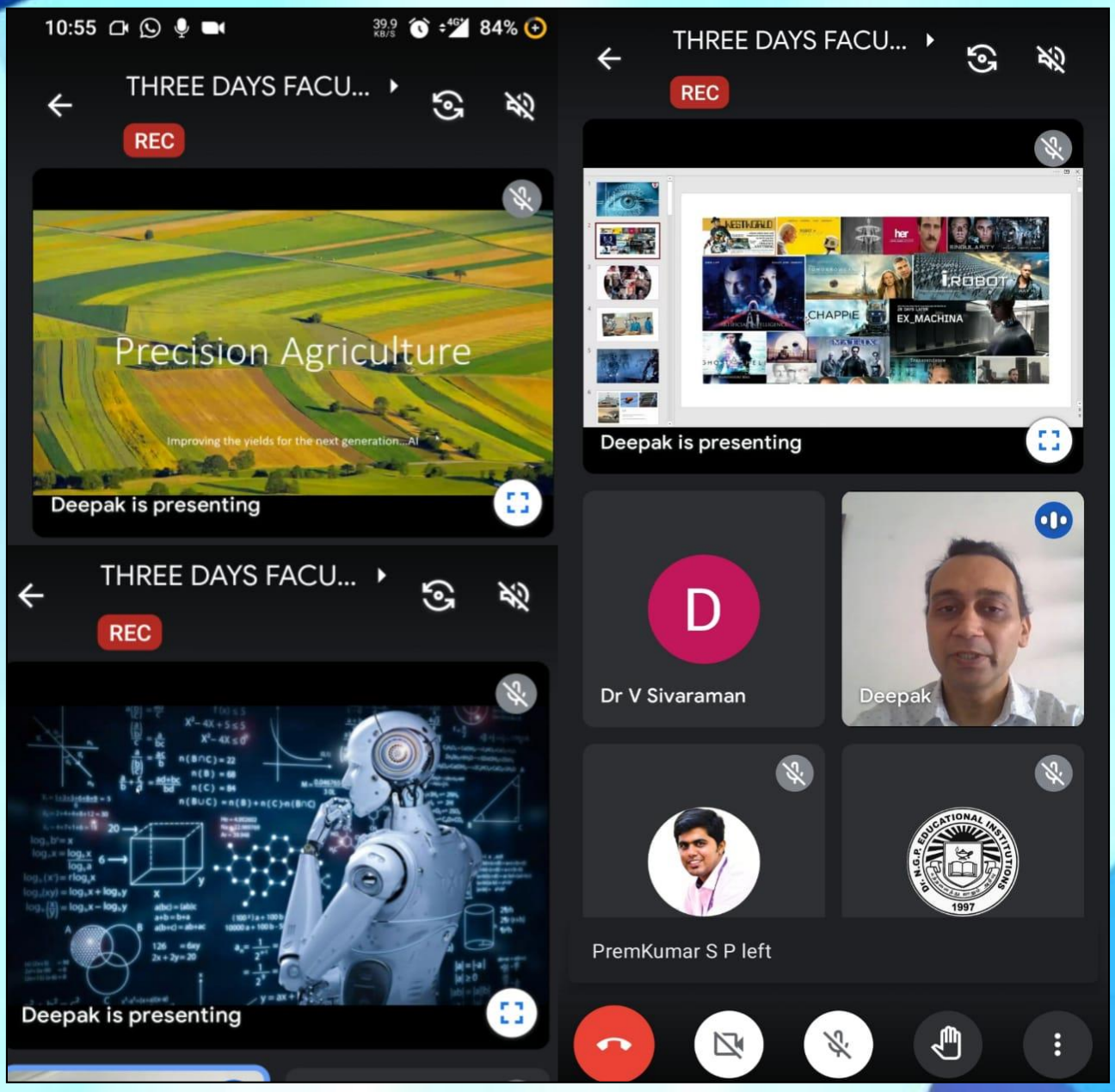
Mr K S Raghul, Asst. Professor, Dept. of Mechanical Engineering, attended the Day 2 of an one-week FDP on **"Green Technology for Enhancing Livelihoods"** organised by Centurion University of Technology and Management, Odisha on 01 June 2021.

MECH | FDP ON GREEN TECHNOLOGY FOR ENHANCING LIVELIHOODS



Mr K S Raghul, Asst. Professor, Dept. of Mechanical Engineering, attended the Day 3 of an one-week FDP on **"Green Technology for Enhancing Livelihoods"** organised by Centurion University of Technology and Management, Odisha on 02 June 2021.

MECH | FDP ON APPLICATION OF ARTIFICIAL INTELLIGENCE IN MECHANICAL ENGINEERING



Dr P Sakthivel, Assoc. Professor and Mr K S Raghul, Asst. Professor, Dept. of Mechanical Engineering, attended the Day 1 of an FDP on **"Application of Artificial Intelligence In Mechanical Engineering"** organised by Dr N G P Institute of Technology, Coimbatore on 02 June 2021.

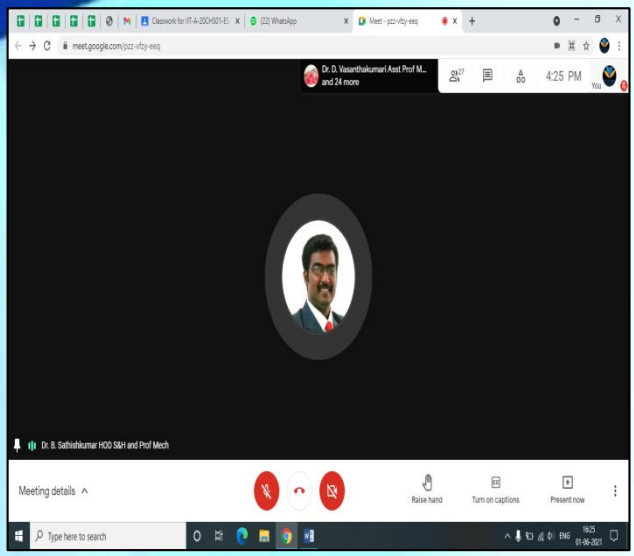
MEETINGS & DISCUSSIONS

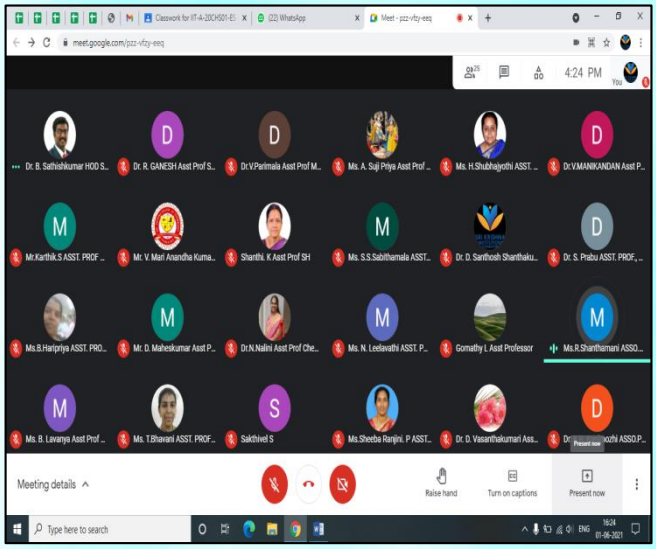
@skctdigest

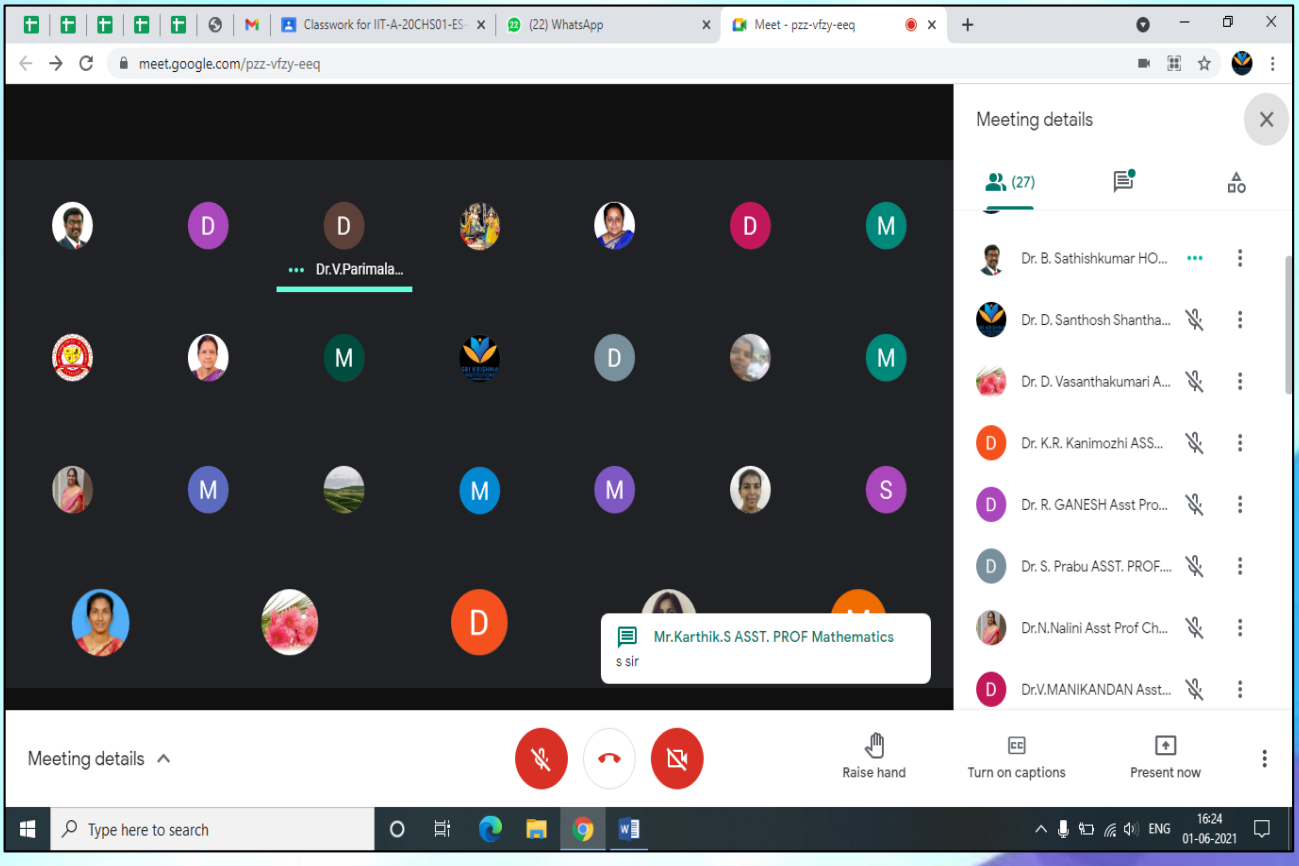
@skctofficial

digestfeedback@skct.edu.in

S &H | DEPARTMENT MEETING

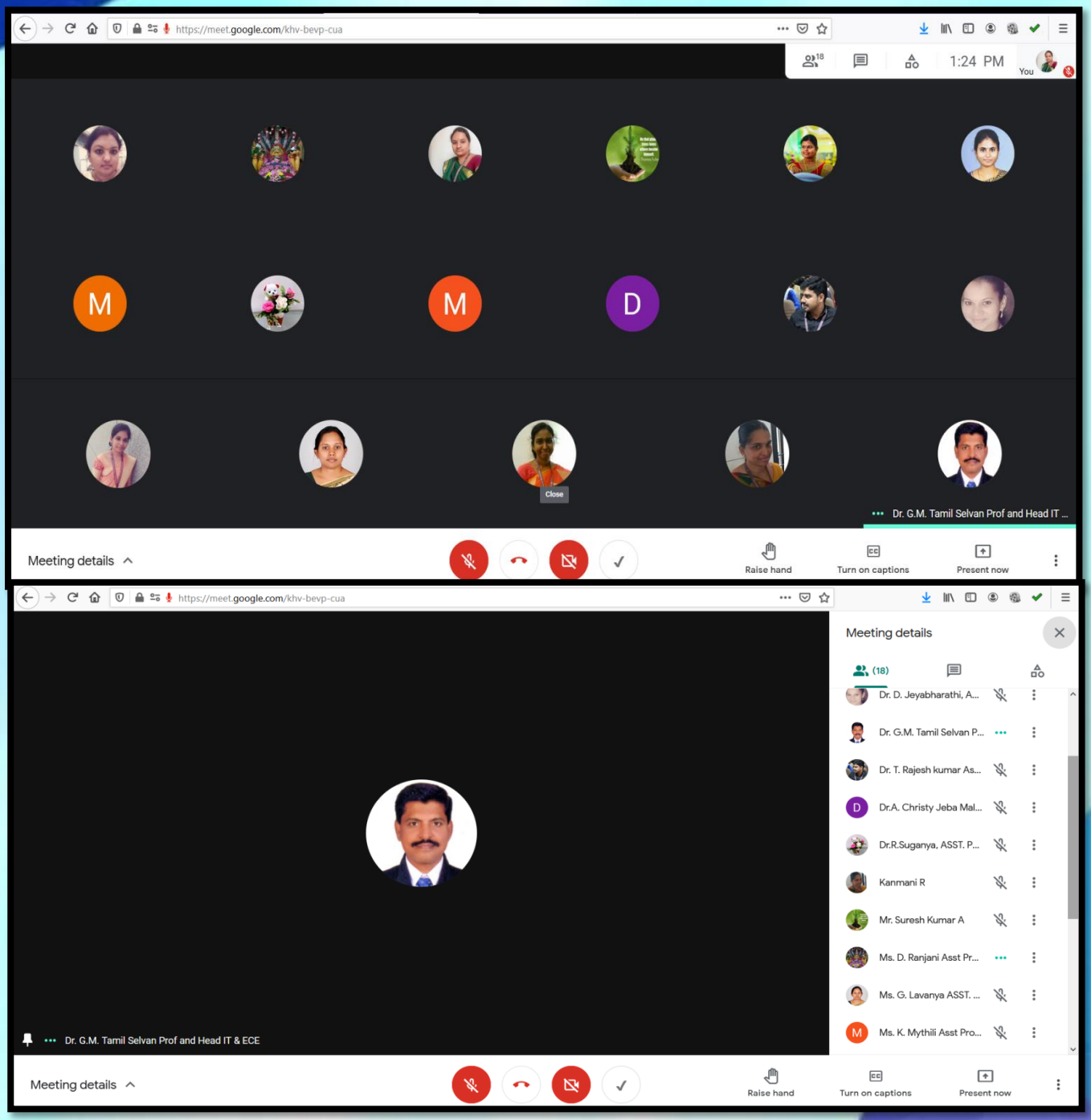






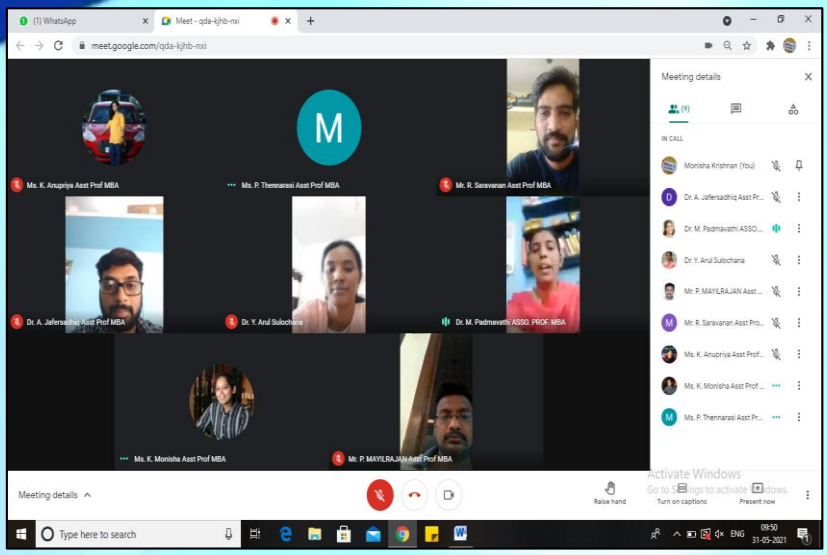
Dr B Sathishkumar, Professor and Head, Dept. of Science and Humanities, conducted a meeting with the Members of Faculty regarding the Preparation for 2021-22 (Odd Sem), Online Classes and CIA III.

IT | DEPARTMENT MEETING



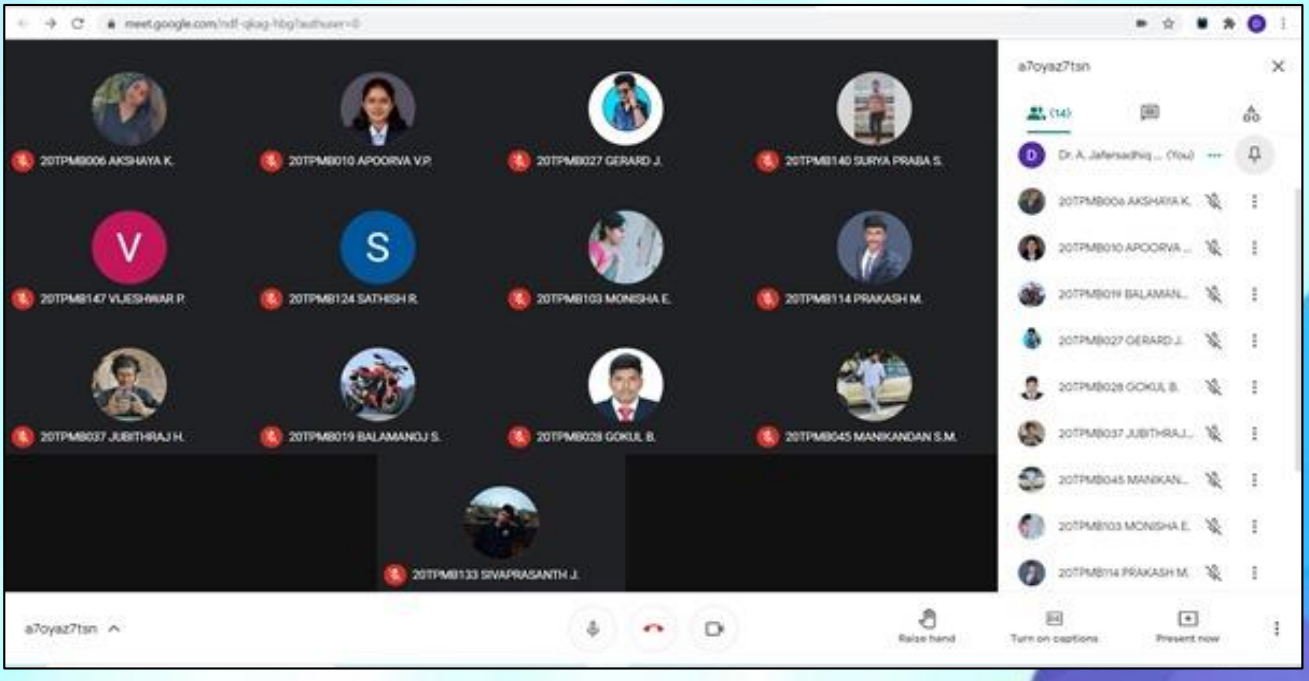
Dr G M Tamilselvan, Professor and Head Incharge, Dept. of IT, conducted a meeting with the Members of Faculty regarding the Research Activities, Academic Progress and Placement Training on 29 May 2021.

SoM | DEPARTMENT MEETING



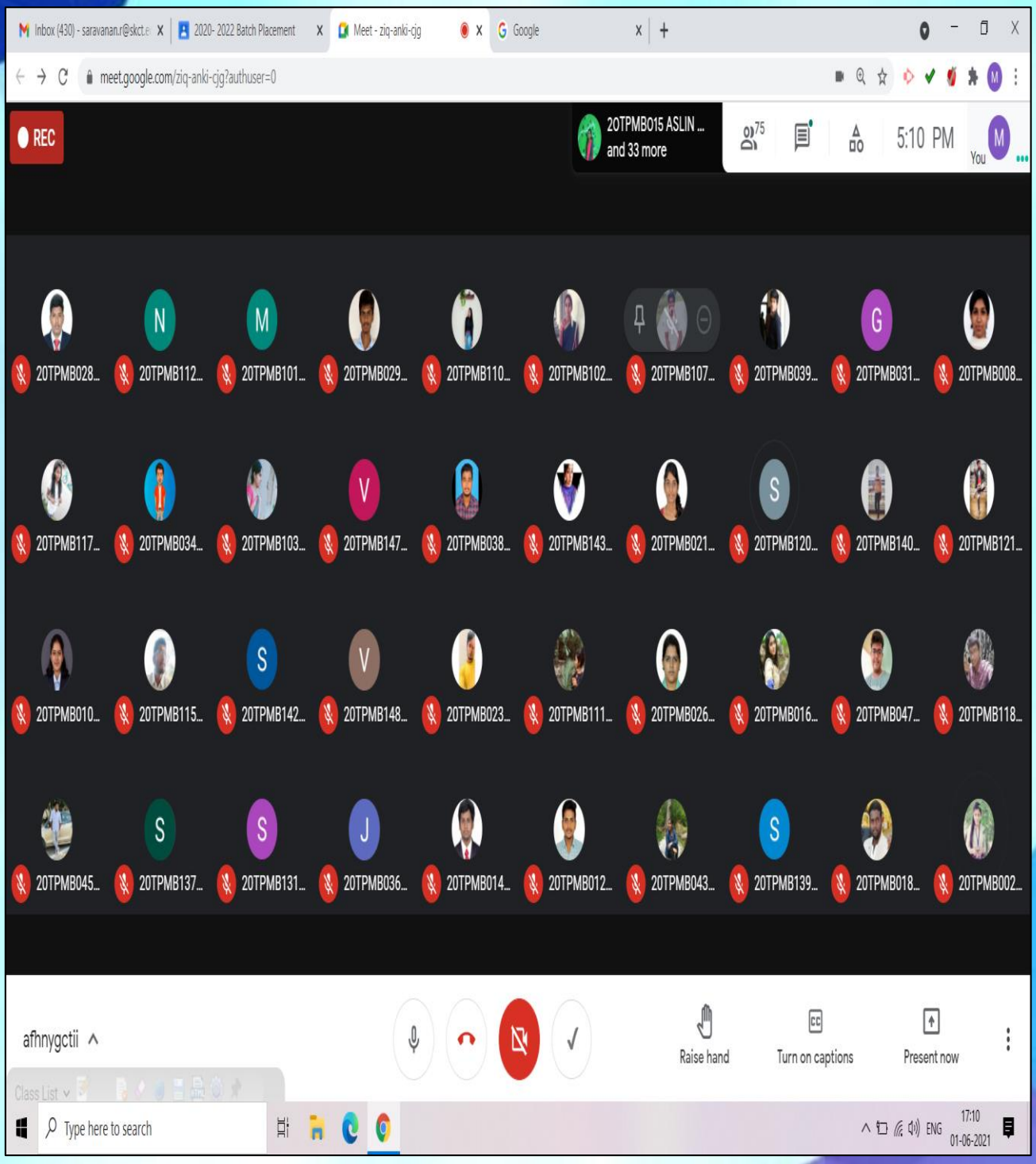
The Members of Faculty, SoM attended the meeting conducted regarding the Preparation of CIA Question Paper and Parents Meeting.

SoM | TUTOR WARD MEETING



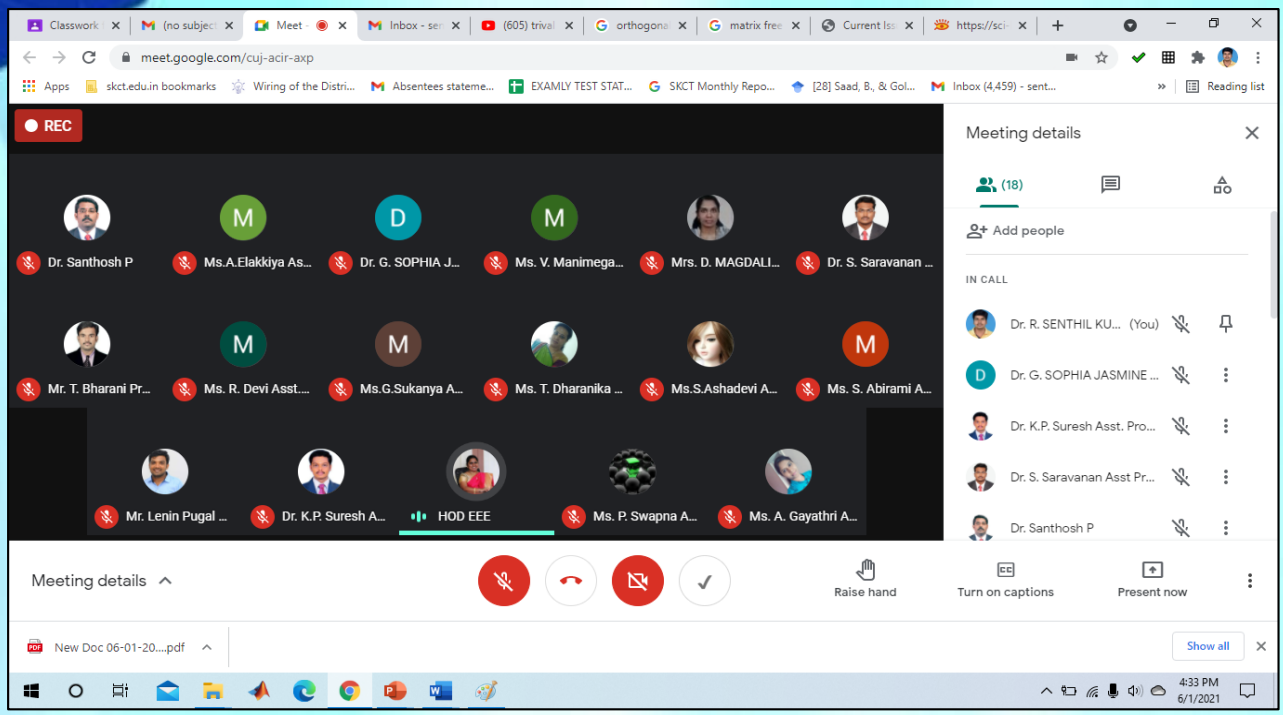
Dr Jafar Sadhiq, Assoc. Professor, SoM, conducted a **"Tutor Ward Meeting"** with the respective wards regarding the CIA Exam and Placement Activities.

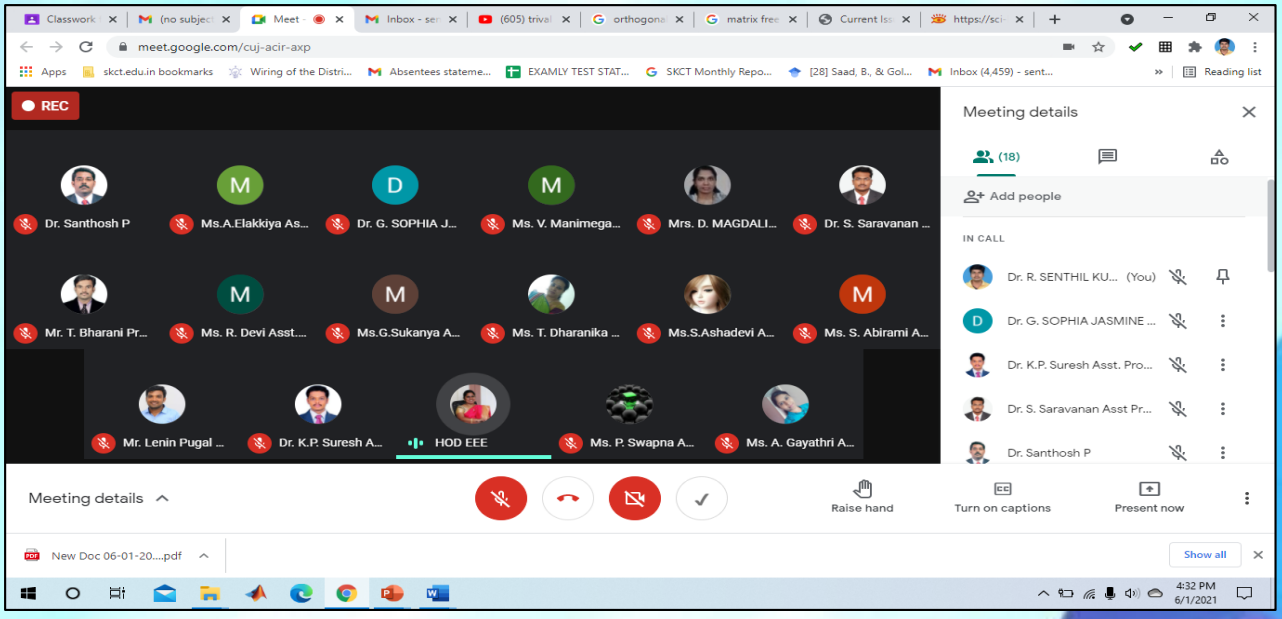
SoM | PLACEMENT MEETING



Mr Saravanan R, Asst. Professor, SoM, conducted a **"Placement Meeting"** with the Students of First MBA and discussed regarding the Placement Opportunities.

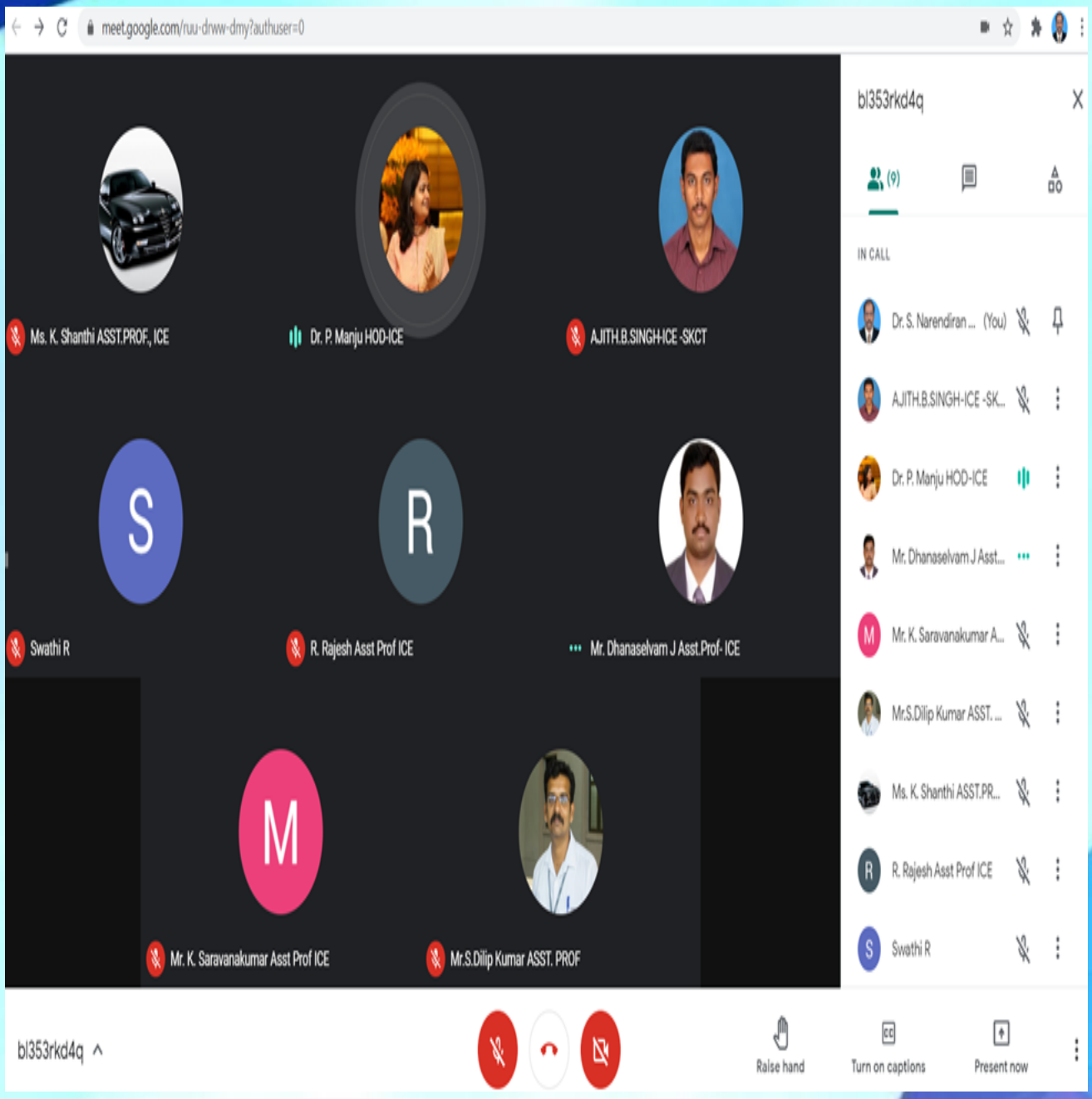
EEE | DEPARTMENT MEETING





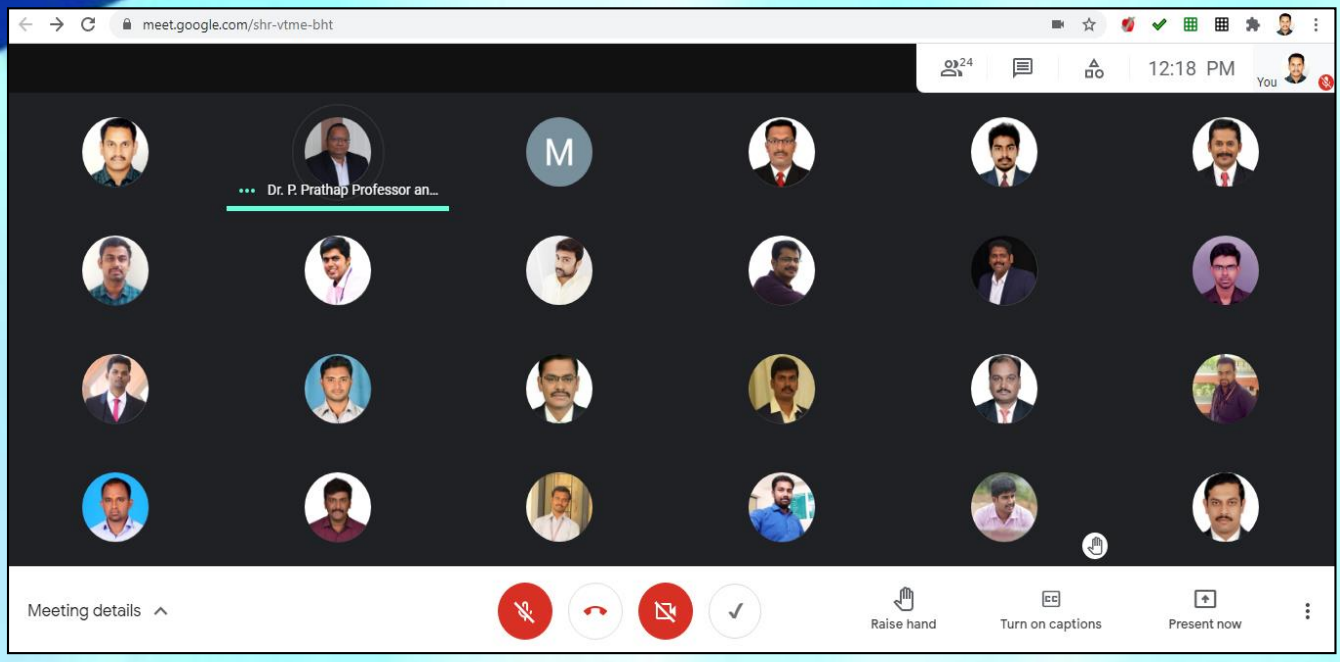
Dr K Lakshmi, Professor and Head, Dept. of EEE, conducted a meeting with the Members of Faculty regarding the Progress of Even Semester Online Classes, Academic Activities and R&D Activities on 01 June 2021.

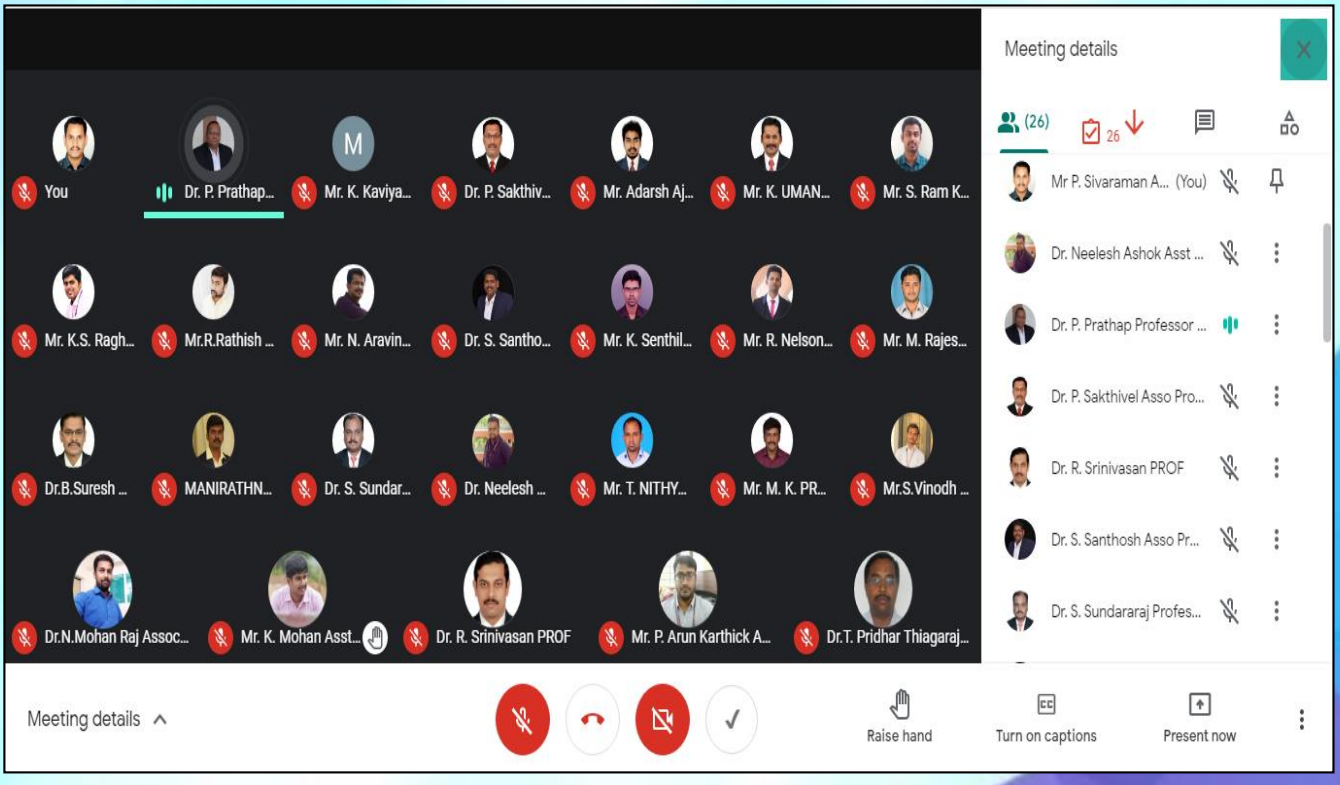
ICE | DEPARTMENT MEETING



Dr P Manju, Professor and Head, Dept. of ICE, conducted a meeting regarding Department Activities and Research Status on 02 June 2021.

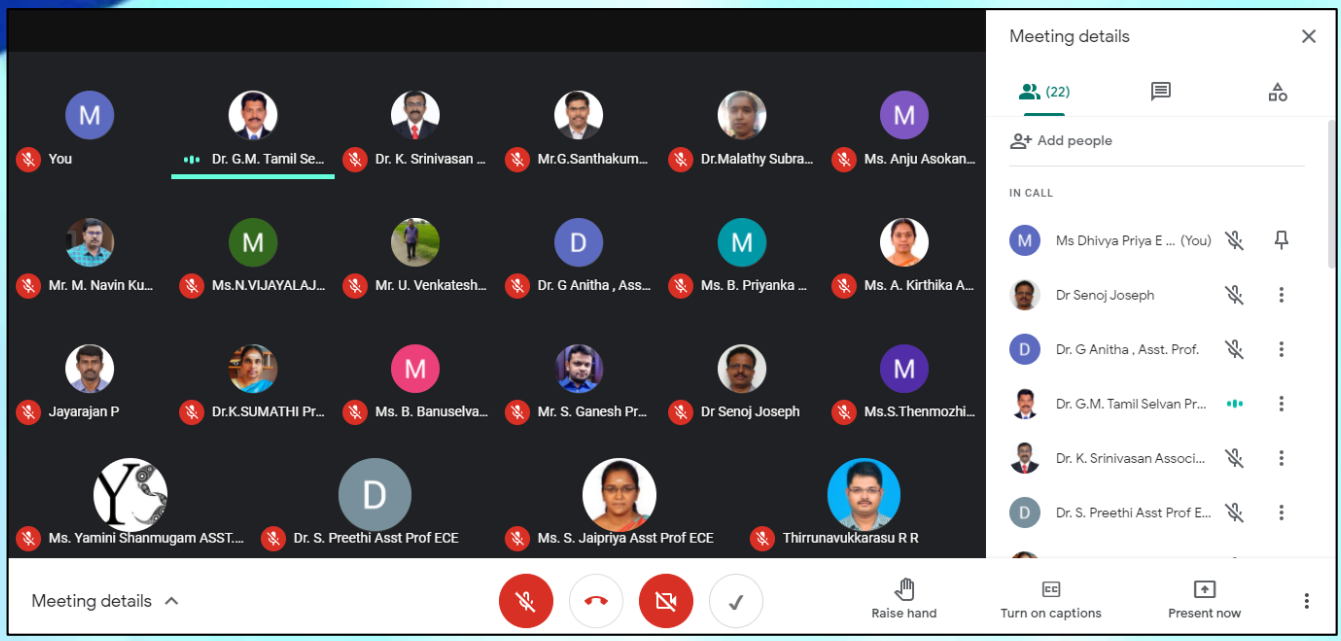
MECH | DEPARTMENT MEETING

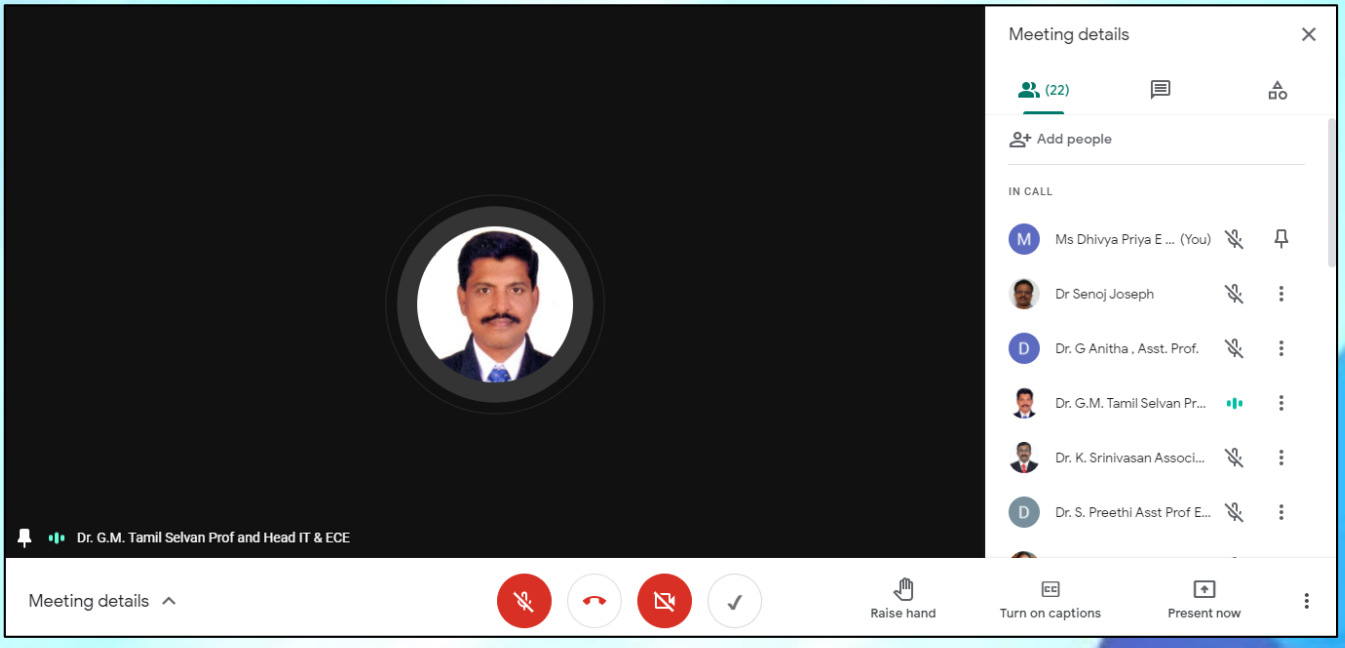




Dr P Prathap, Professor and Head, Dept. of Mechanical Engineering, conducted a meeting with the Members of Faculty on 03 June 2021.

ECE | DEPARTEMENT MEETING





Dr G M Tamil Selvan, Professor and Head, Dept. of ECE, conducted a meeting with the Members of Faculty regarding 2021-22 Odd Semester Preparation, Research Progress and Placement Activities on 03 June 2021.

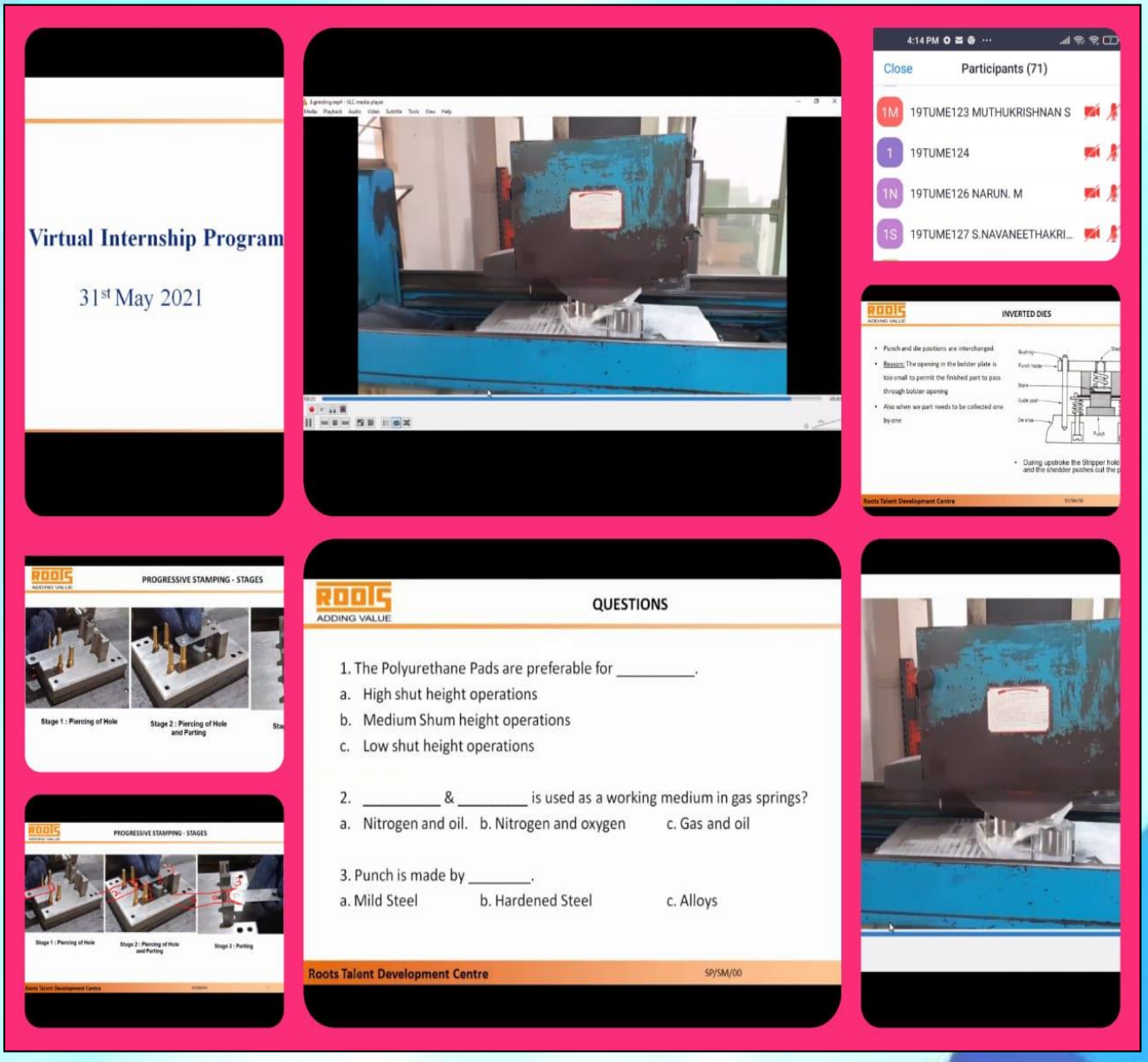
EVENTS ORGANISED

@skctdigest

@skctofficial

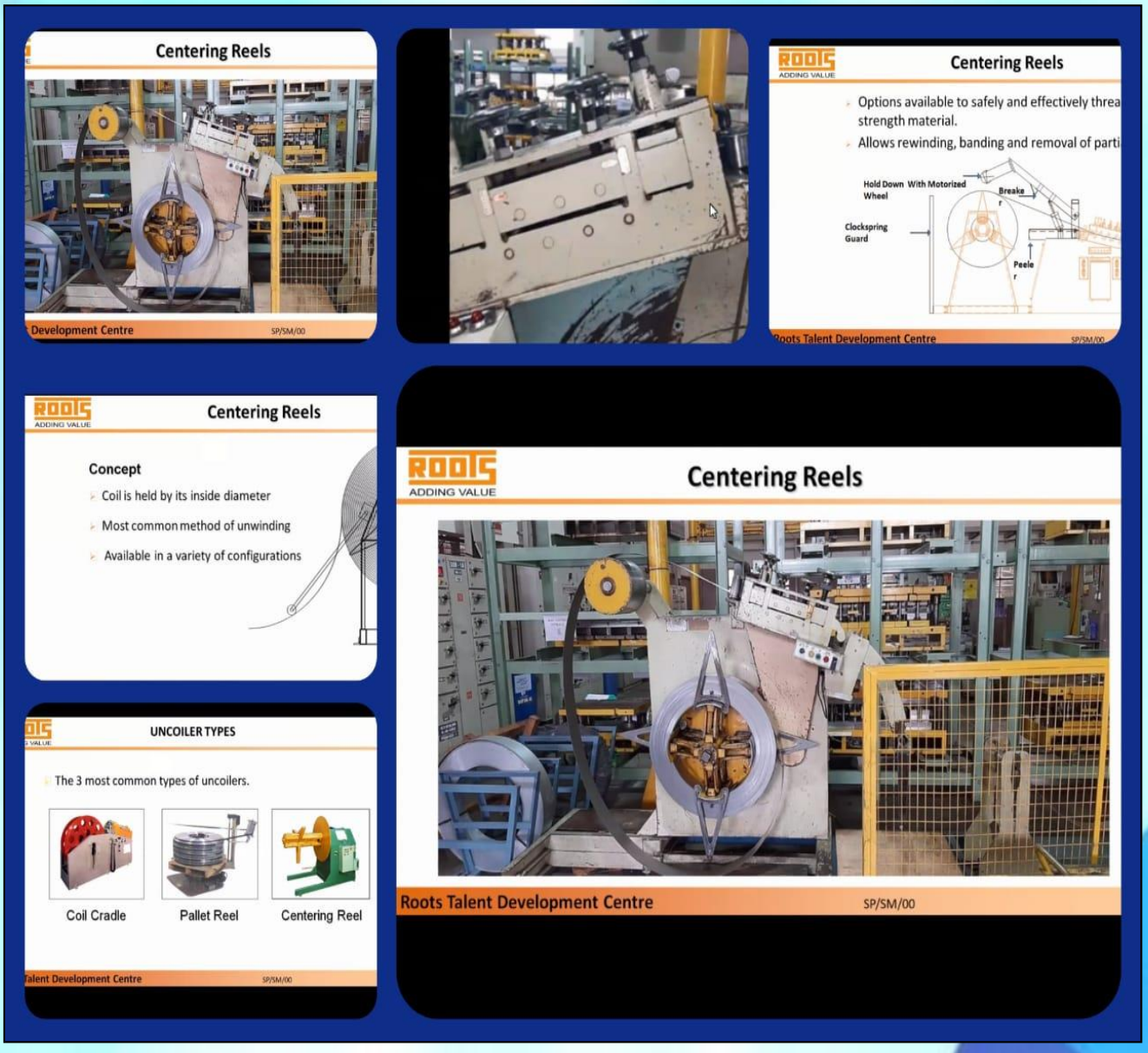
digestfeedback@skct.edu.in

MECH | VIRTUAL INTERNSHIP IN ASSOCIATION WITH ROOTS INDUSTRIES



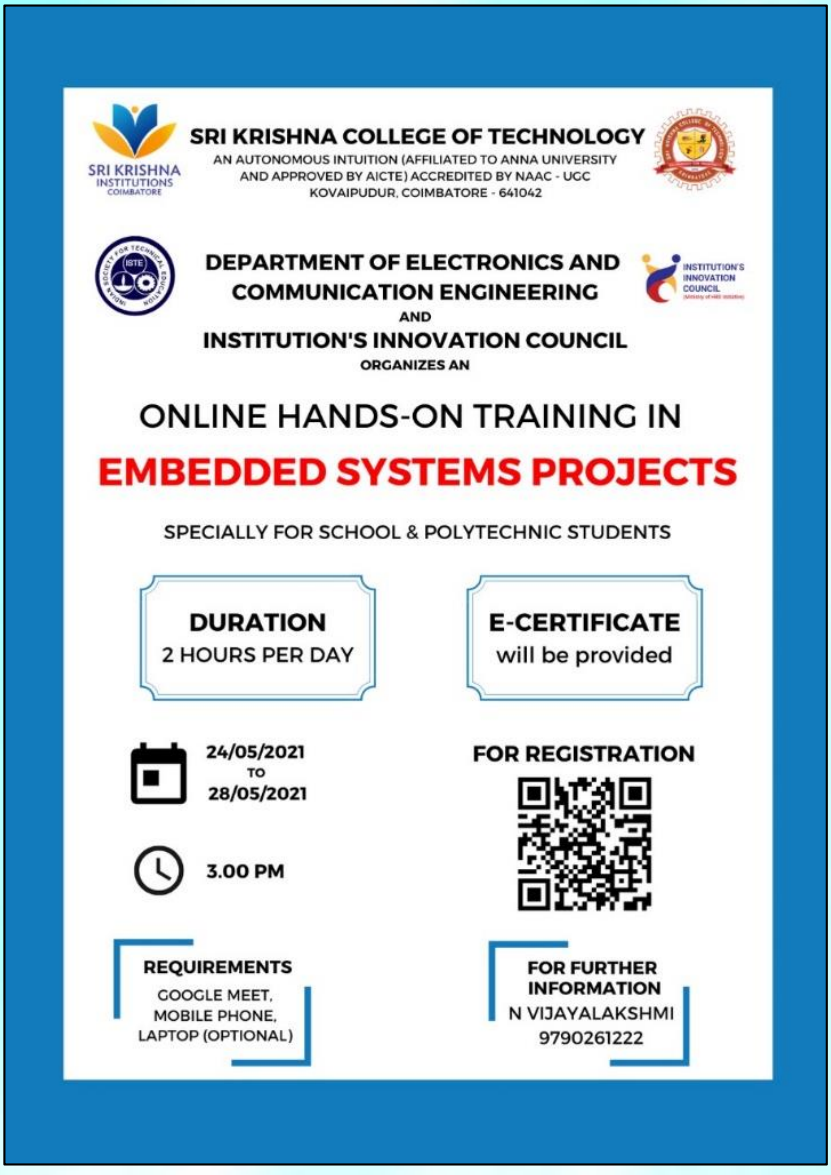
Students of Second B.E. Mechanical Engineering attended the Day 6 of **"Virtual Internship Training"** organised by the Dept. of Mechanical Engineering in association with Roots Industries (India) Limited to overcome the challenges of current pandemic situation on 31 May 2021.

MECH | VIRTUAL INTERNSHIP IN ASSOCIATION WITH ROOTS INDUSTRIES



Students of Second B.E. Mechanical Engineering attended the Day 7 of **"Virtual Internship Training"** organised by the Dept. of Mechanical Engineering in association with Roots Industries (India) Limited to overcome the challenges of current pandemic situation on 01 June 2021.

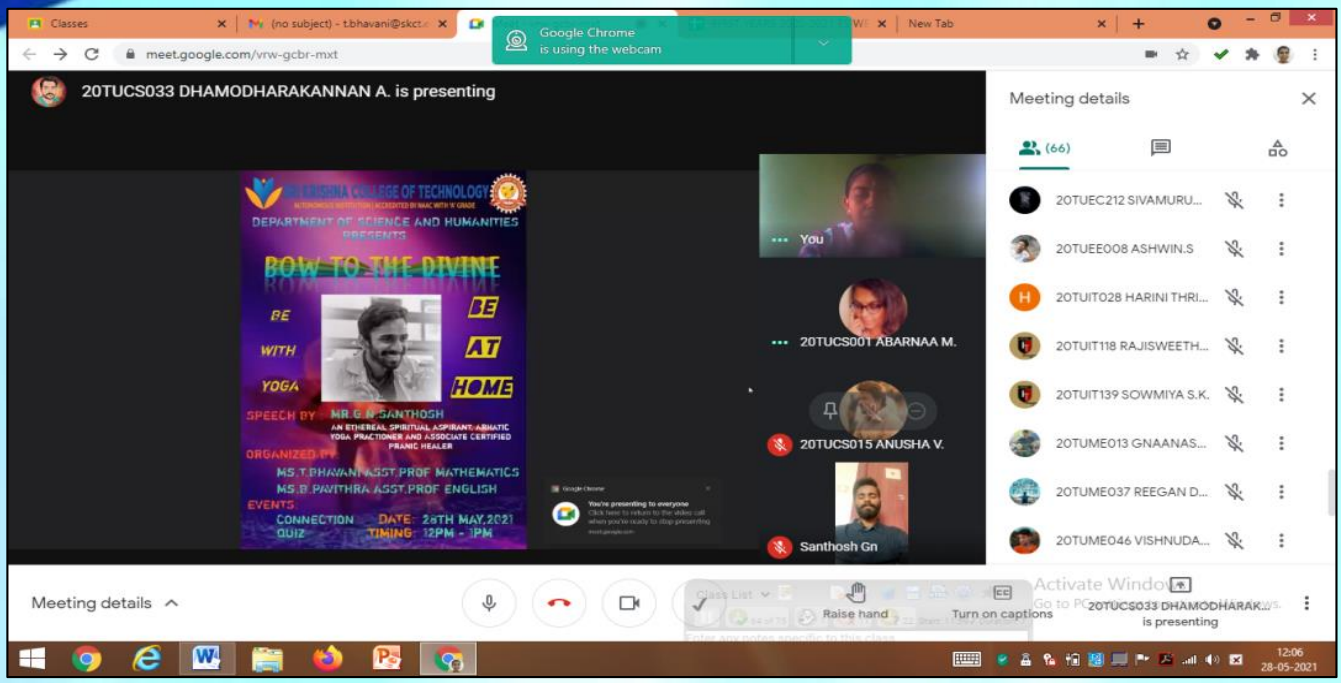
ECE | ONLINE HANDS ON TRAINING ON EMBEDDED SYSTEMS PROJECTS

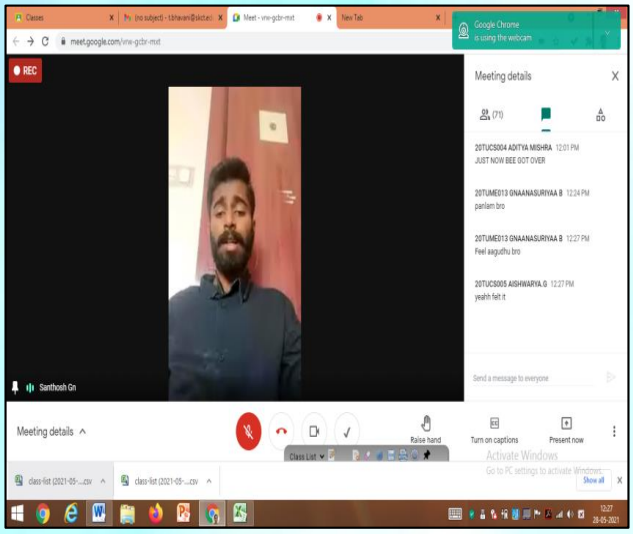


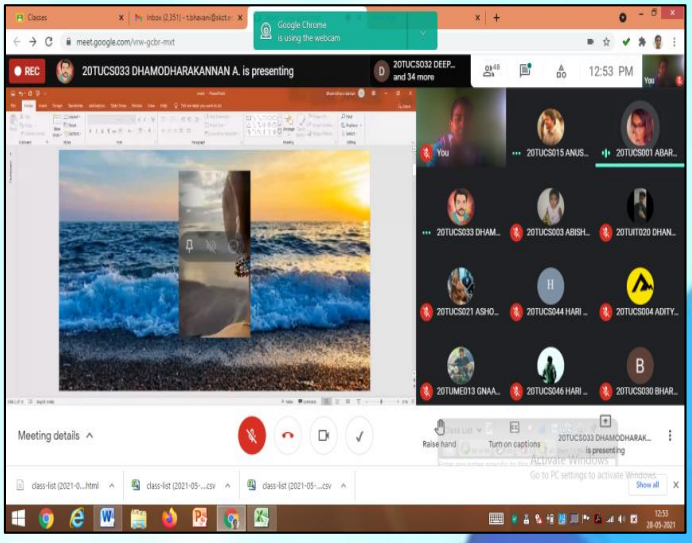
The Dept. of ECE in association with Institutions Innovation Council organised an online Hands on Training on **"Embedded System Projects."** Dr P Jayarajan, Assoc. Professor, Dept. of ECE, facilitated a session on **"Introduction to Embedded system Projects"** on 24 May 2021. Ms N Vijayalakshmi, Asst. Professor, Dept. of ECE, coordinated the event.

ECE | ONLINE HANDS ON TRAINING ON EMBEDDED SYSTEMS PROJECTS

S &H | EVENT ORGANISED | SPEECH ON BOW TO THE DIVINE

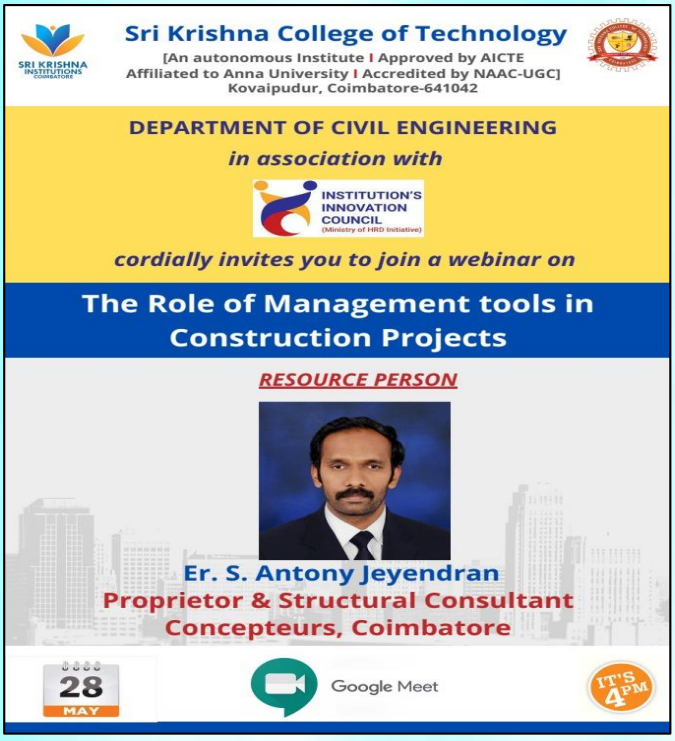


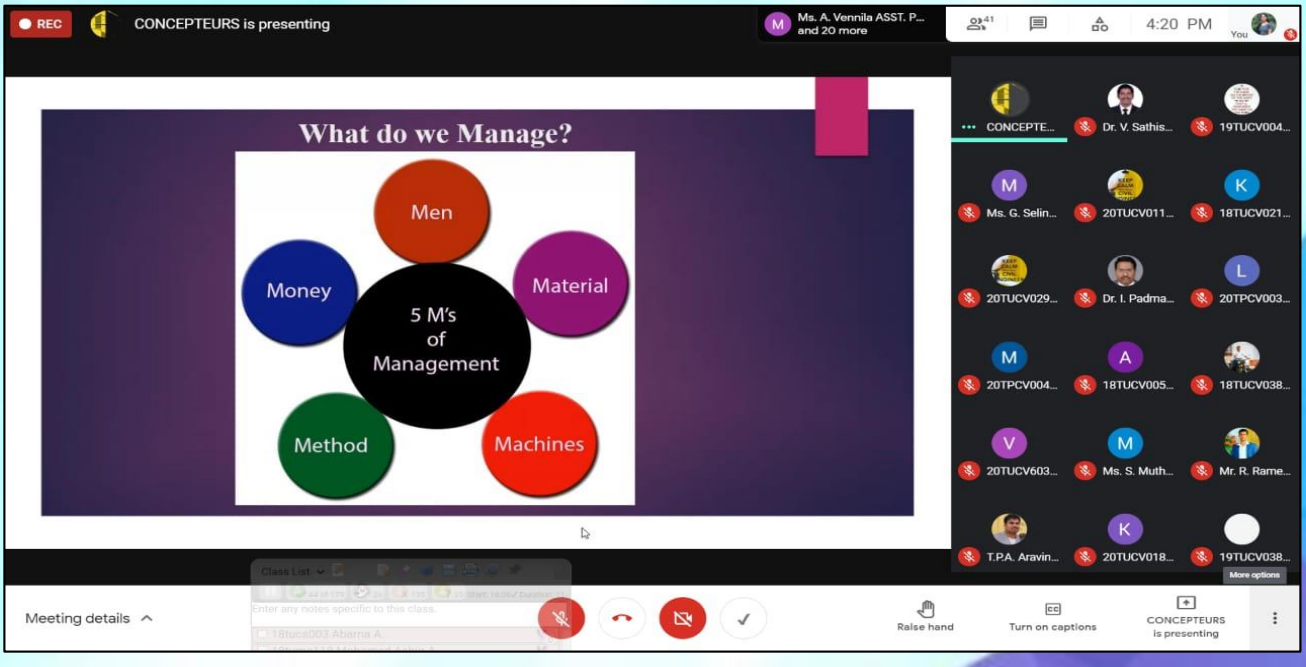




The Dept. of Science and Humanities organised a speech on **"Bow to the Divine"** facilitated by Mr G N Santhosh, an Ethereal Spiritual Aspirant, Arhatic Yoga Practioner and Associate Certified Pranic Healer on 28 May 2021. Ms T Bhavani, Asst. Professor, Dept. of S&H, coordinated the event.

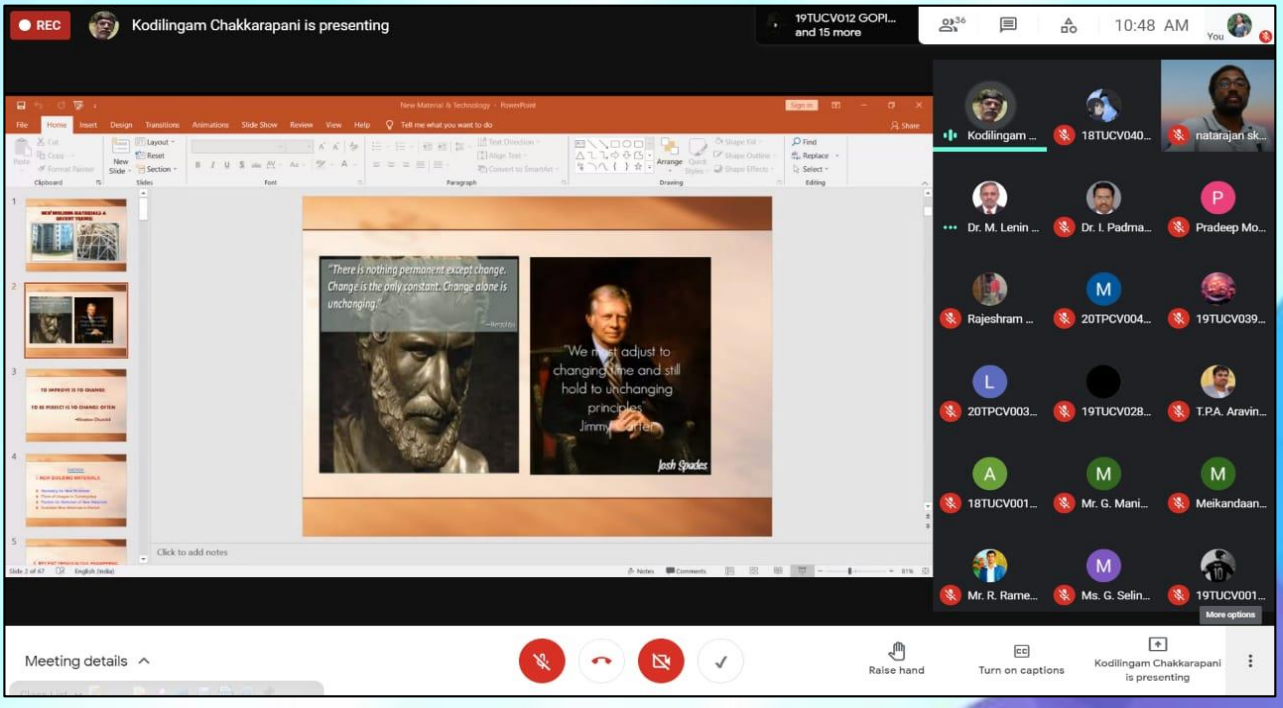
CIVIL | EVENT ORGANISED | WEBINAR ON ROLE OF MANAGEMENT TOOLS IN CONSTRUCTION PROJECTS





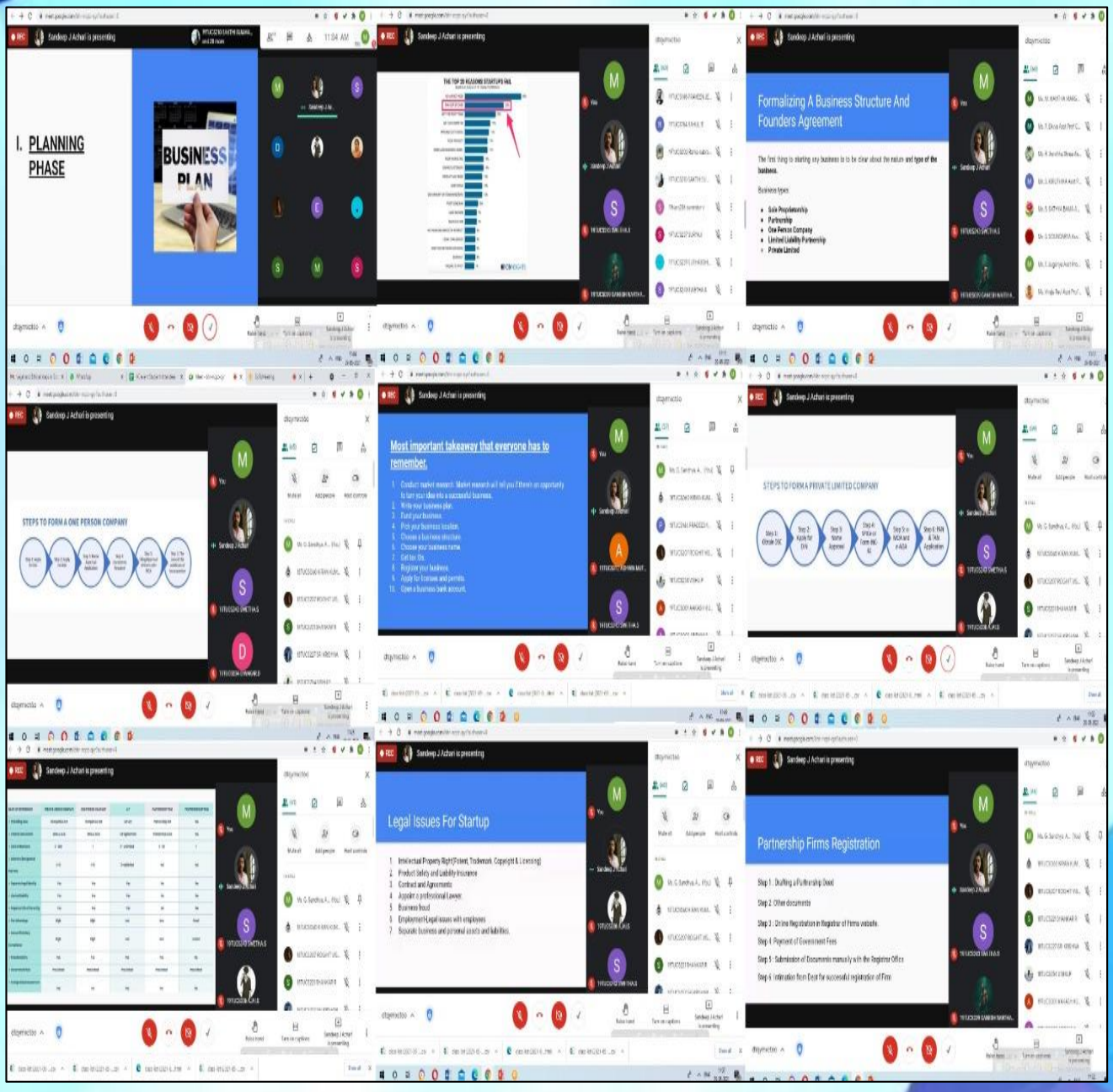
The Dept. of Civil Engineering organised a webinar on "**The Role of Management Tools in Construction Projects**" for the Students of B.E. Civil Engineering on 28 May 2021.

CIVIL | EVENT ORGANISED | WEBINAR ON NEW BUILDING MATERIALS & RECENT TRENDS



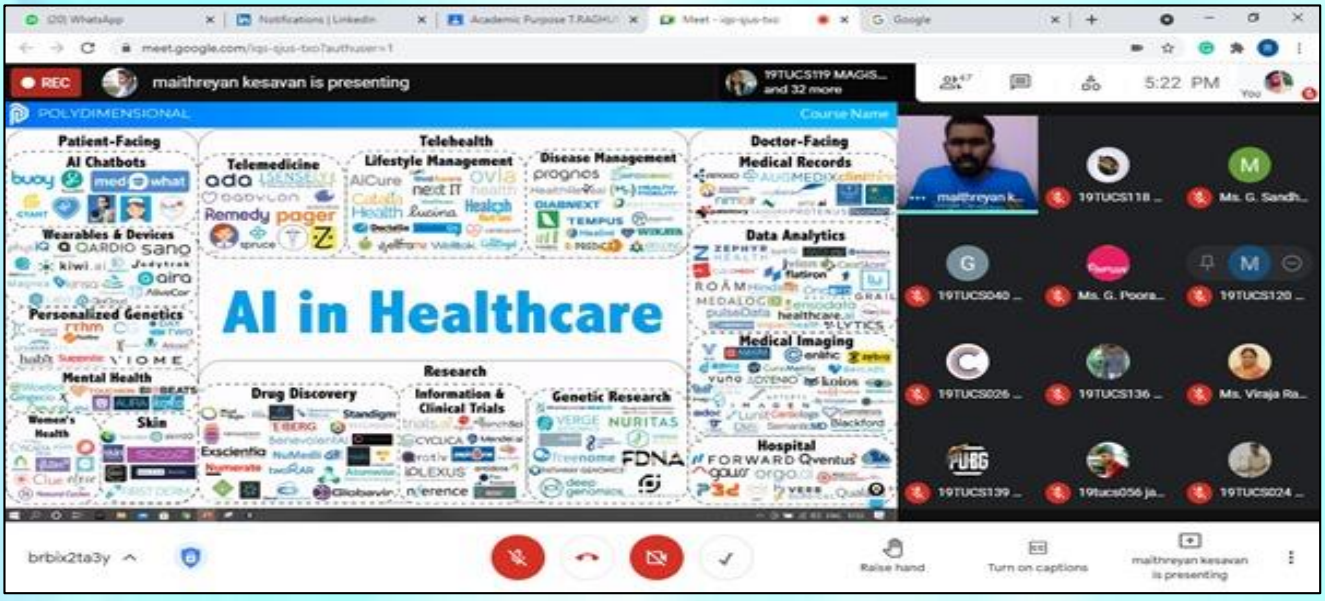
The Dept. of Civil Engineering organised a webinar on **"New Building Materials & Recent Trends"** on 29 May 2021.

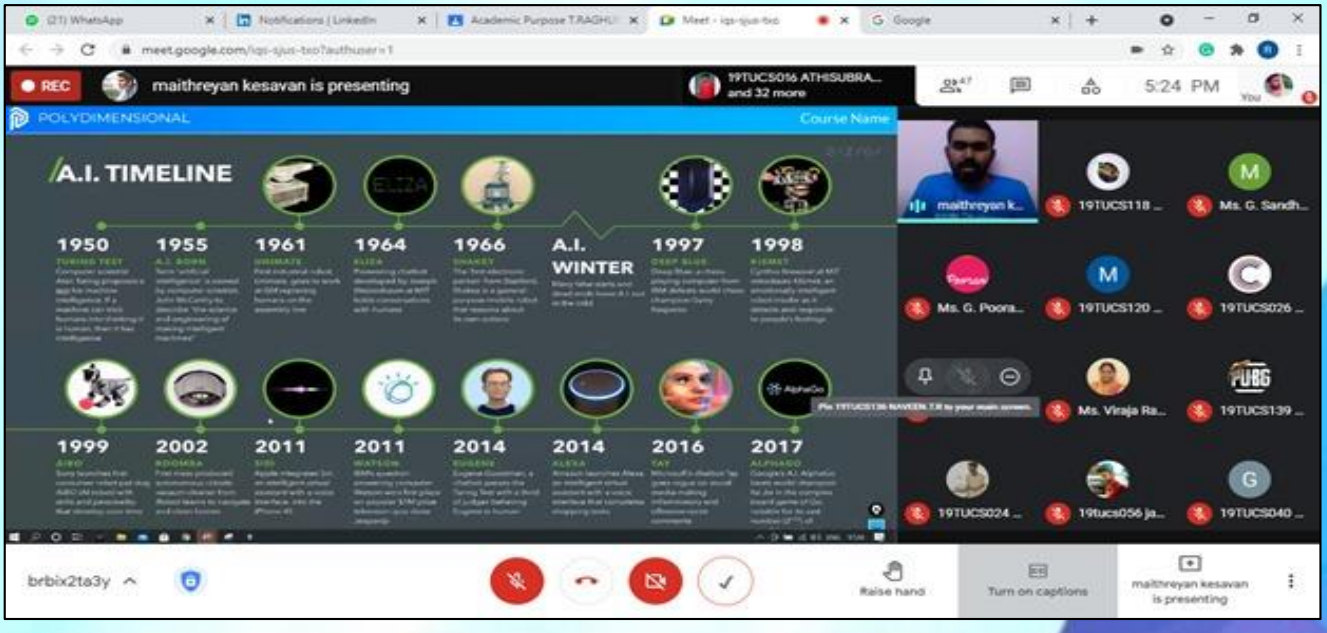
CSE | EVENT ORGANISED | WEBINAR ON LEGAL & ETHICAL STEPS IN ESTABLISHING A STARTUP



The Dept. of CSE organised a webinar on **"Legal & Ethical Steps in Establishing a Startup"** facilitated by Mr J A Sandeep, Co-Founder of Webicle Media, Coimbatore on 29 May 2021.

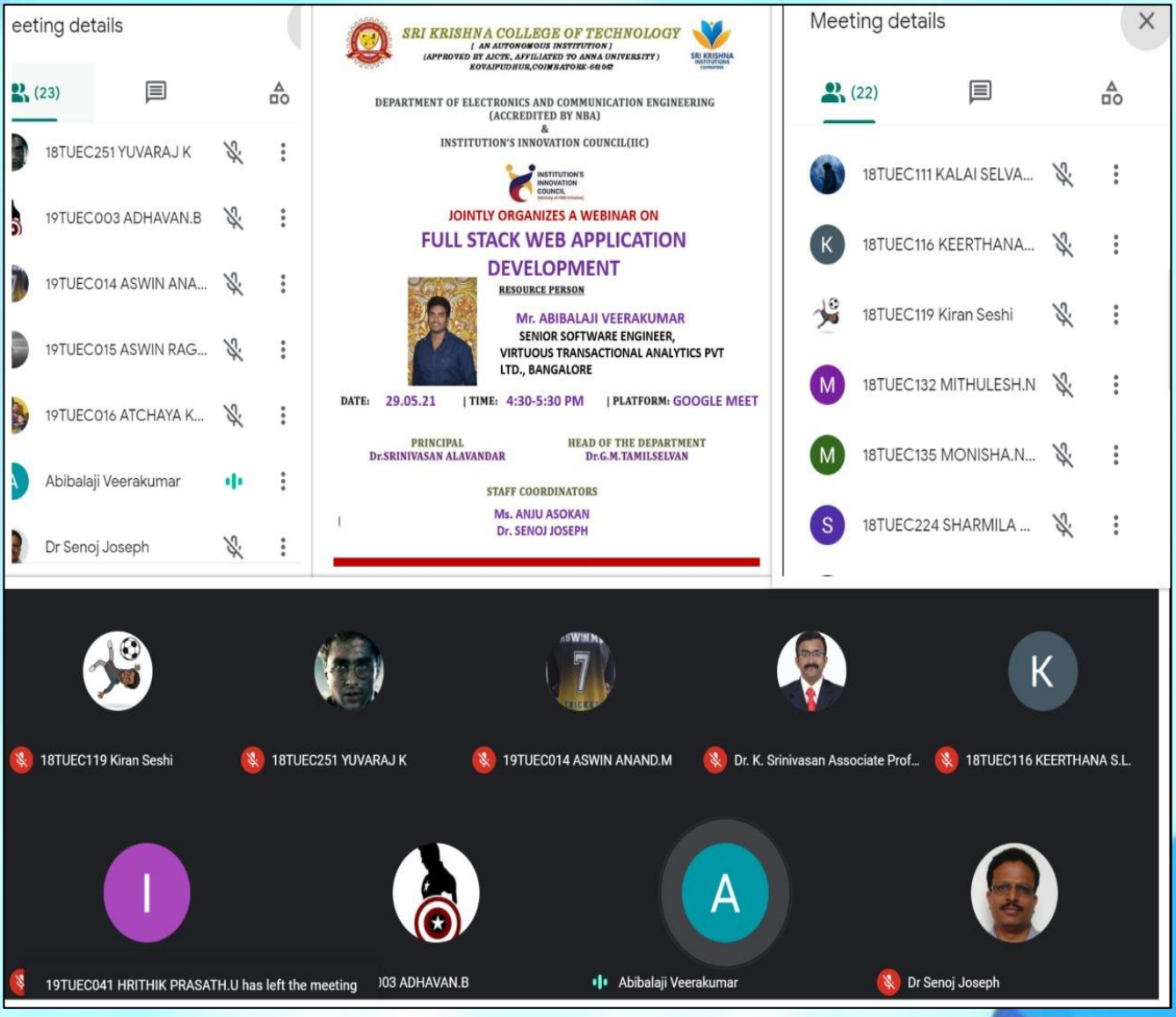
CSE | EVENT ORGANISED | WEBINAR ON INTRODUCTION TO THE WORLD OF MACHINE LEARNING





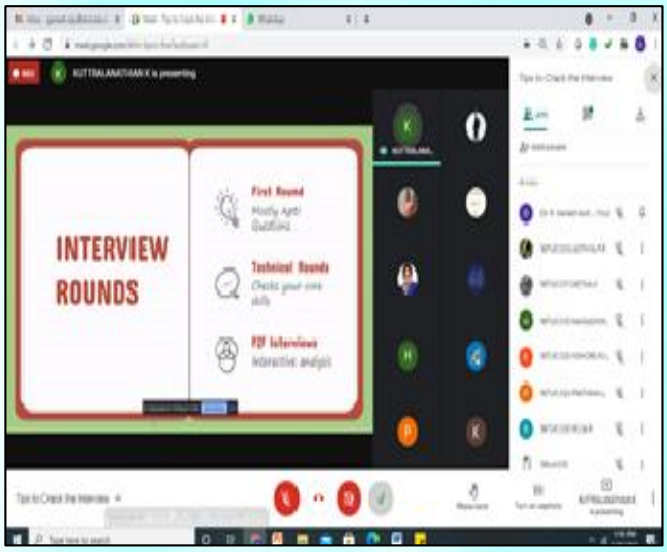
The Dept. of CSE organised a webinar on **"Introduction to the World of Machine Learning"** facilitated by Mr Maithreyan Kesavan, Software Engineer, Accolite Digitals, Chennai on 29 May 2021.

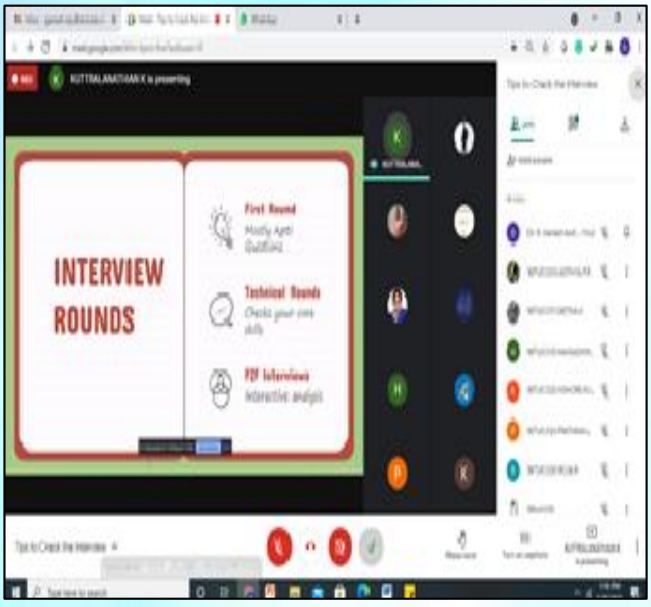
ECE | EVENT ORGANISED | WEBINAR ON FULL STACK WEB APPLICATION DEVELOPMENT



The Dept. of ECE and Institution Innovation Council (IIC) organised a webinar on **"Full Stack Web Application Development"** facilitated by Mr Abibalaji Veerakumar, Senior Software Engineer, Virtuous Transactional Analytics Pvt. Ltd., Bangalore on 29 May 2021. Dr Senoj Joseph, Assoc. Professor and Ms Anju Asokan, Asst. Professor, Dept. of ECE, coordinated the event.

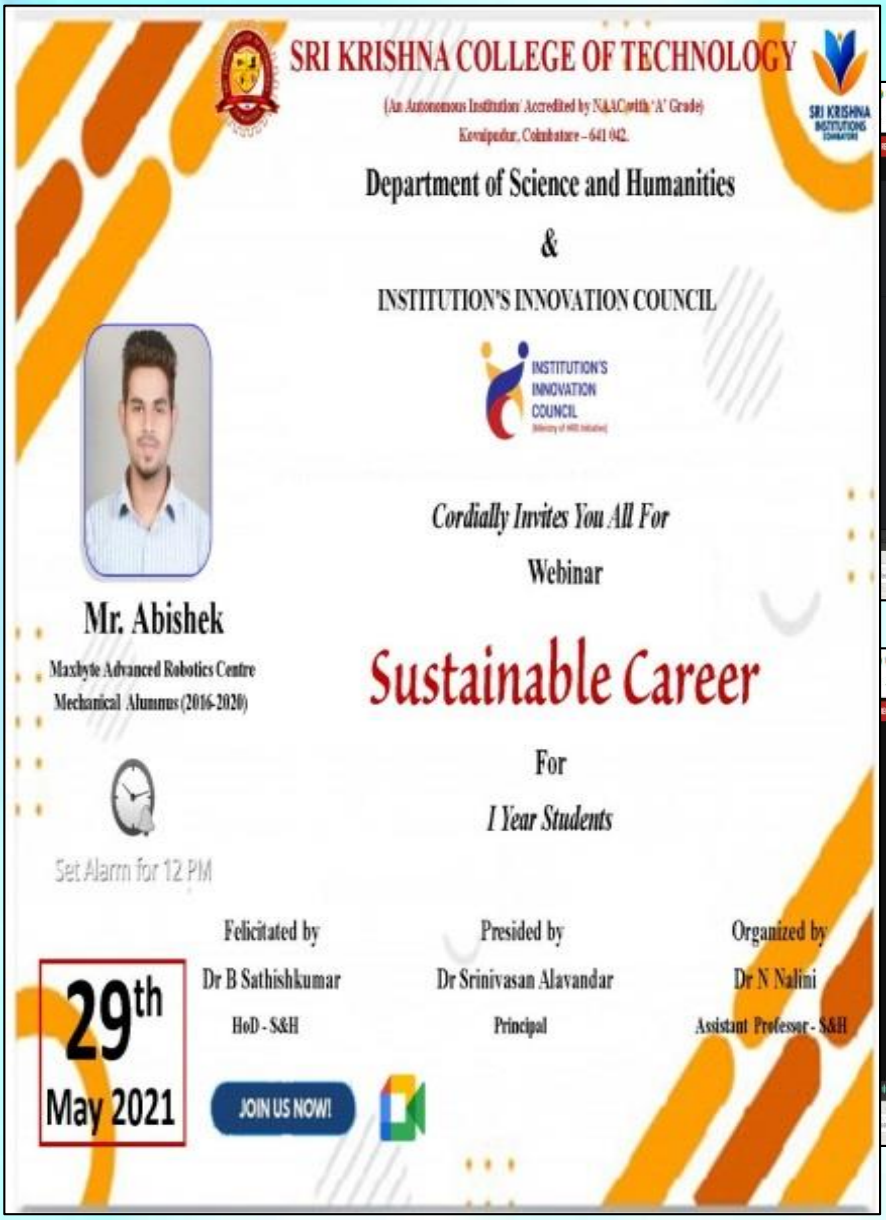
S &H | EVENT ORGANISED | WEBINAR ON TIPS TO CRACK INTERVIEW

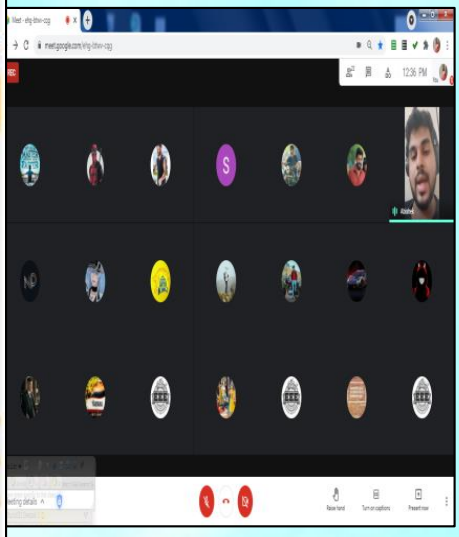


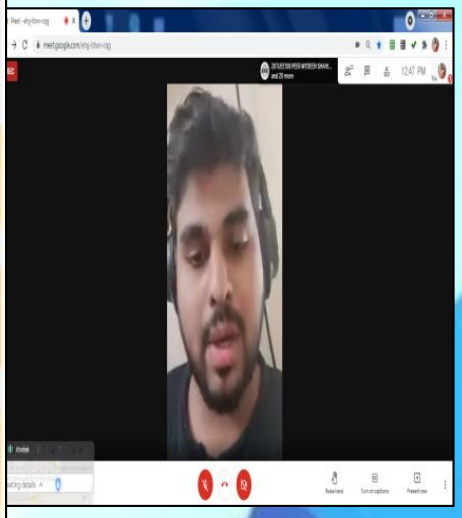


The Department of Science and Humanities in association with Institution's Innovation Council (IIC) organised a webinar on "**Tips to Crack Interview"** facilitated by Mr K Kuttralanathan, Application Development Analyst, Accenture on 29 May 2021.

S&H | EVENT ORGANISED | WEBINAR ON SUSTAINABLE CAREER

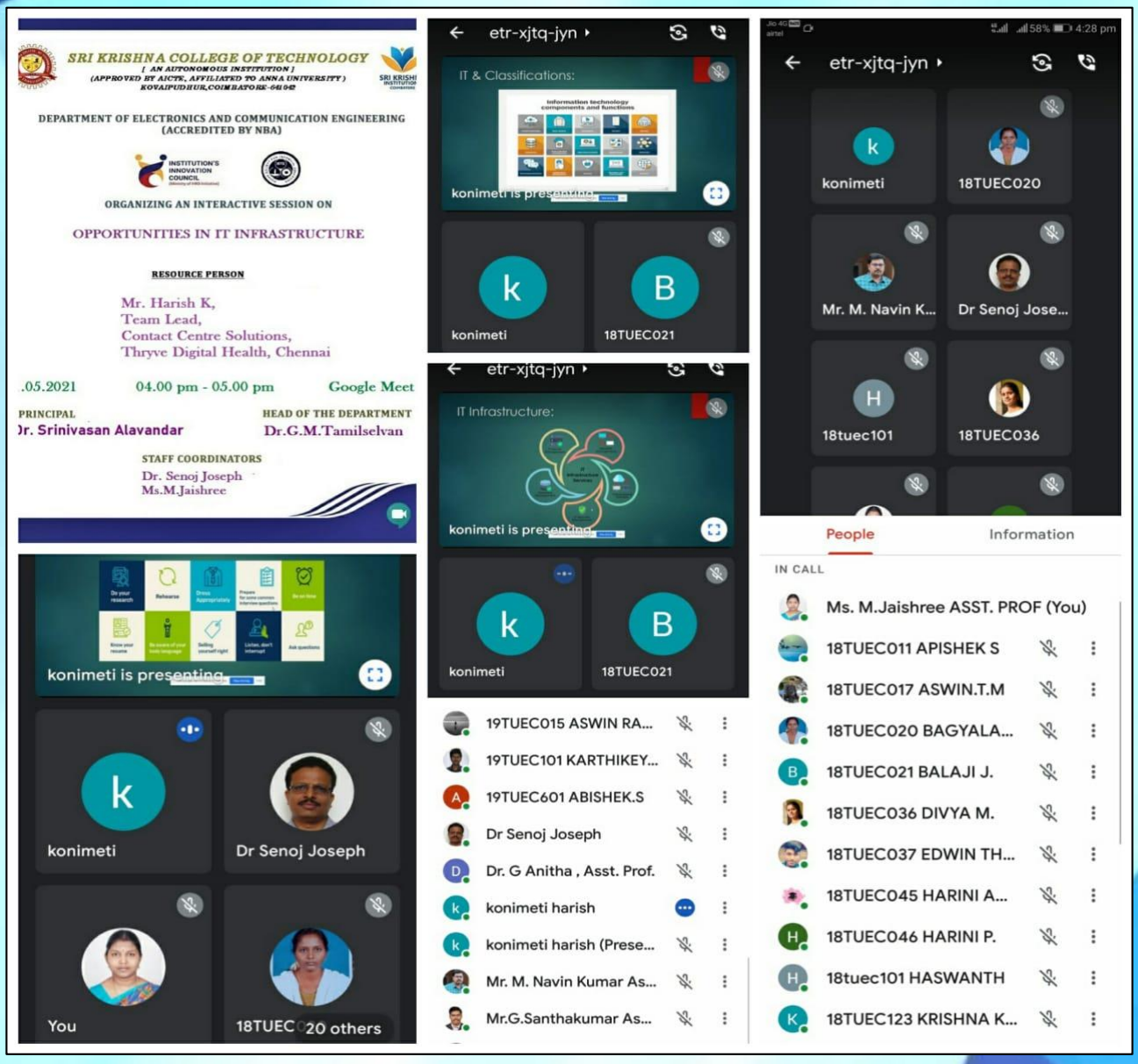






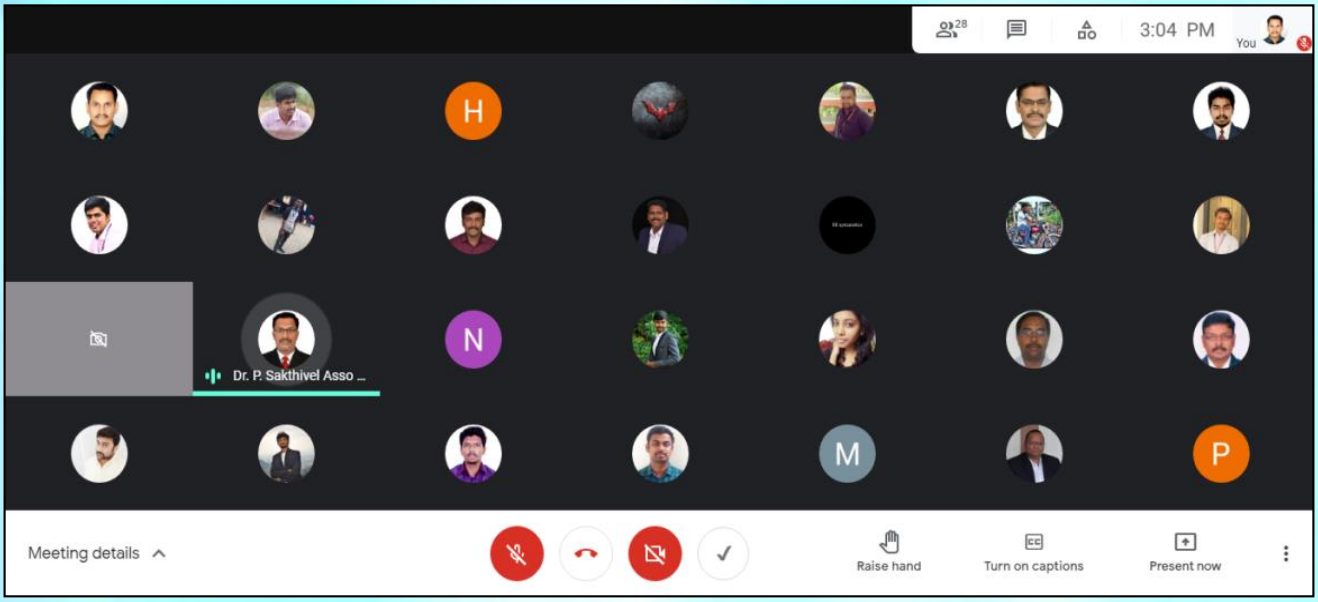
The Department of Science and Humanities organised a webinar on **"Sustainable Career"** facilitated by Mr Abishek, Maxbyte Advanced Robotics Centre on 29 May 2021. Dr N Nalini, Asst. Professor, Dept. of S&H, coordinated the event.

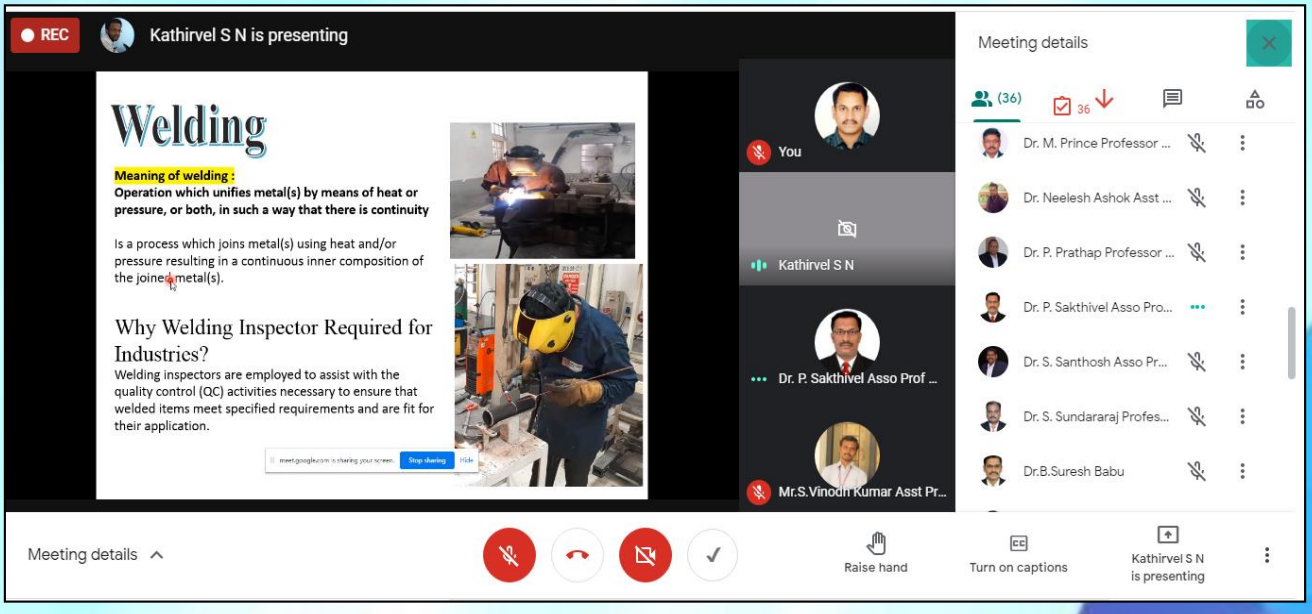
ECE | EVENT ORGANISED | WEBINAR ON OPPORTUNITIES IN IT INFRASTRUCTURE



The Dept. of ECE and Institution's Innovation Council (IIC) organised a webinar on **"Opportunities in IT Infrastructure"** facilitated by Mr Harish K, Team Lead, Contact Centre Solutions, Thryve Digital Health, Chennai on 31 May 2021. Dr Senoj Joseph, Assoc. Professor and Ms M Jaishree, Asst. Professor, Dept. of ECE, coordinated the event.

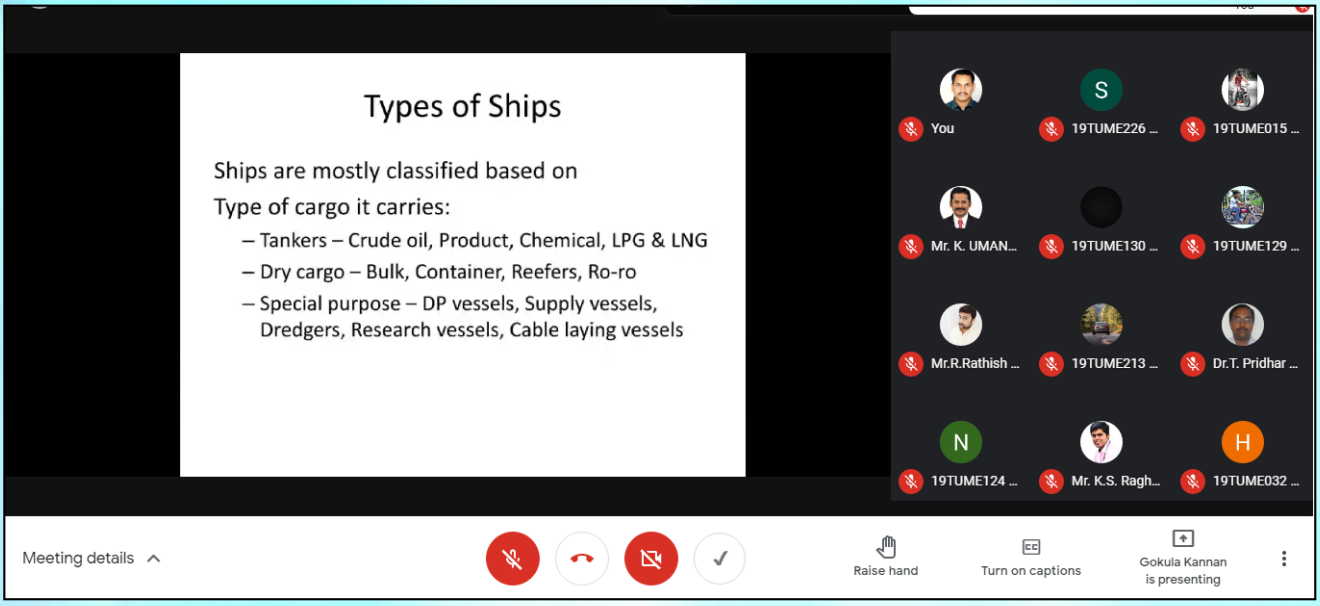
MECH | EVENT ORGANISED | WEBINAR ON WELDING PROCESSES AND IMPORTANCE OF NDT IN WELDING

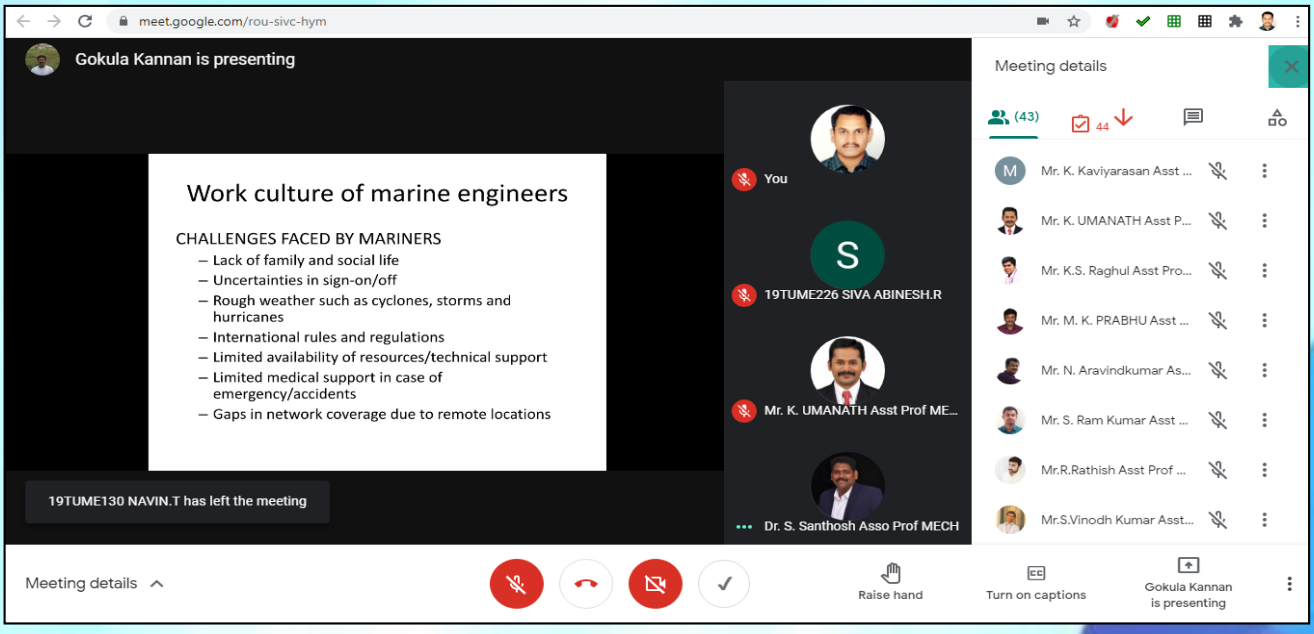




The Dept. of Mechanical Engineering organised a webinar on **"Welding Processes and Importance of NDT in Welding"** facilitated by Er S N Kathirvel, Senior Welding Engineer, M/s. Faiveley Transport Rail Technologies India Limited, Hosur on 01 June 2021.

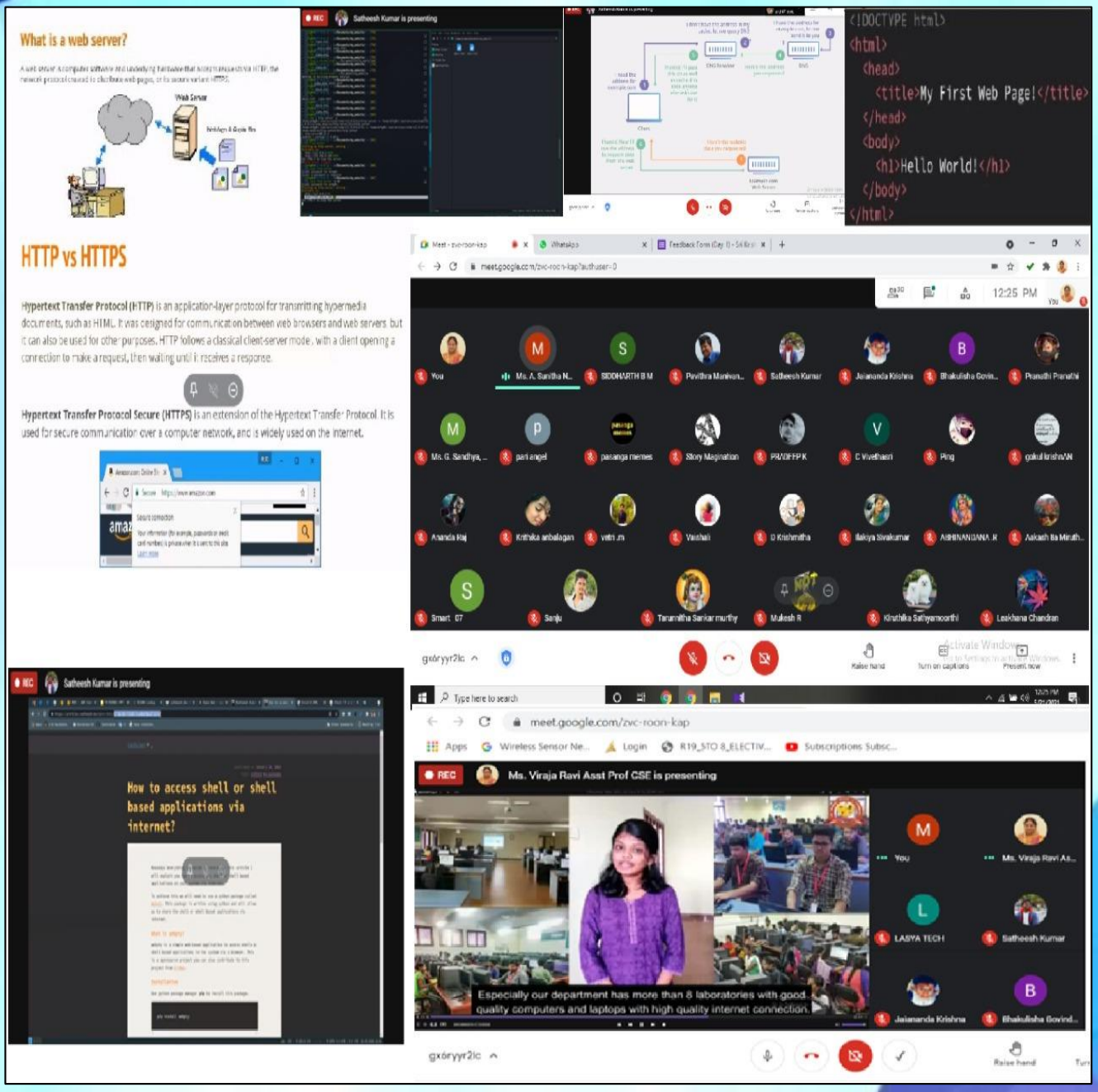
MECH | EVENT ORGANISED | WEBINAR ON ROLES AND OPPORTUNITIES IN MARINE SECTOR





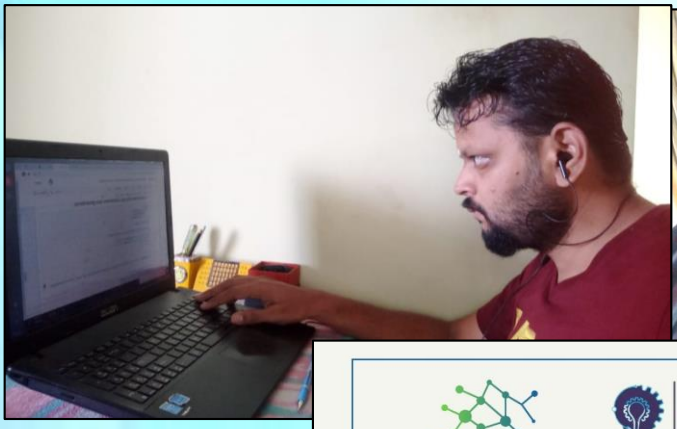
The Dept. of Mechanical Engineering organised a webinar on **"Roles and Opportunities In Marine Sector"** facilitated by Mr A K Gokul Kannan, Second Engineer Officer, Wallem Ship Management, HongKong on 02 June 2021.

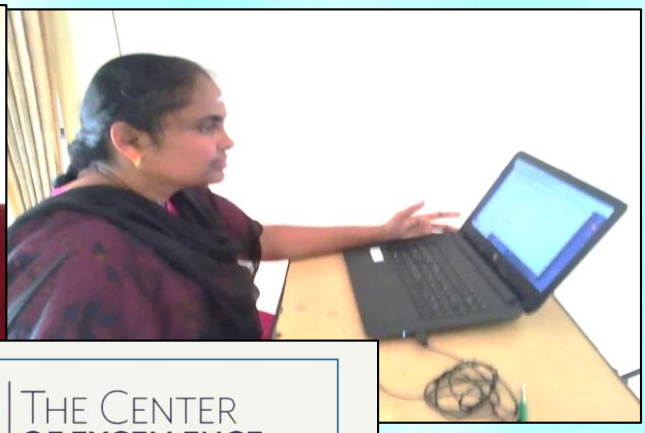
CSE | TWO-DAY VIRTUAL SESSION ON HOW TO CREATE YOUR OWN WEBSITE

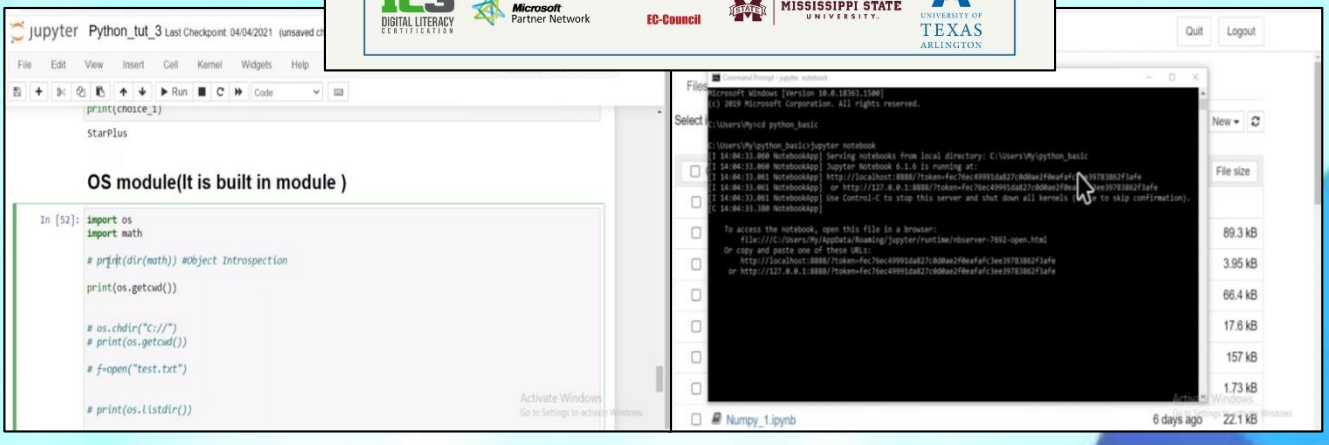


The Dept. of CSE organised a Two-day Virtual Session on **"How to Create Your Own Website"** facilitated by Mr Satheesh Kumar D, Senior Software Engineer, HackerEarth, Banglore.

ECE & QUANTUM LEARNINGS - CENTRE OF EXCELLENCE | EVENT ORGANISED | FDP ON MACHINE LEARNING & AI USING PYTHON

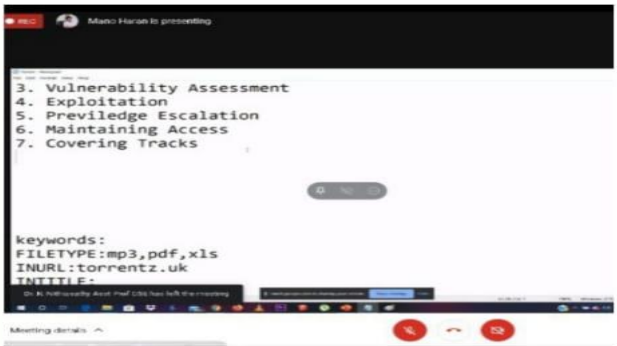


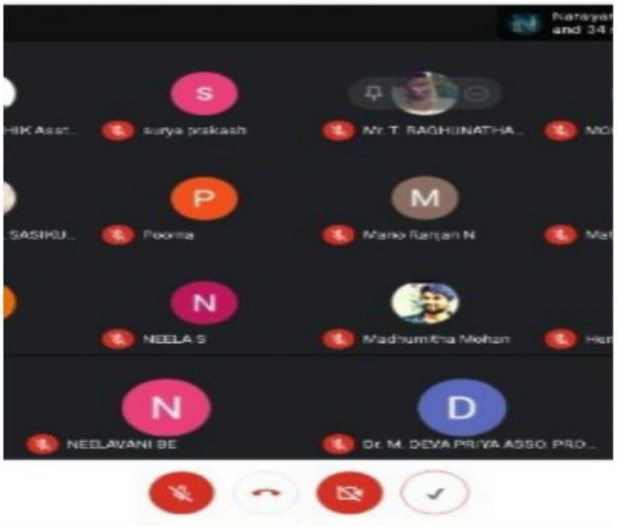


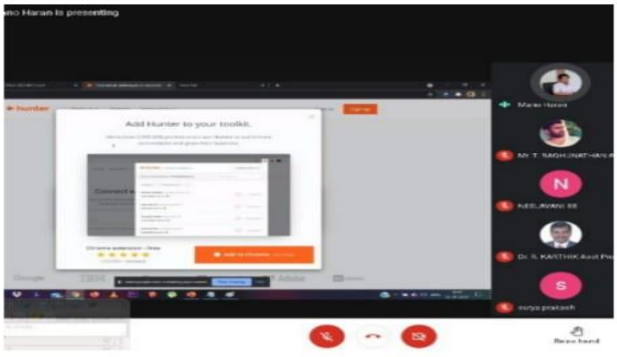


The Dept. of ECE in association with Quantum Learnings - Centre of Excellence organised a Twelve-day Industrial FDP on **"Machine Learning & AI using Python"** during 17-28 May 2021. Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, coordinated the event.

CSE | EVENT ORGANISED | THREE-DAY VIRTUAL SESSION ON GETTING STARTED WITH CYBER SECURITY







The Dept. of CSE has been organising a Three-day Virtual Session on "**Getting Started With Cyber Security"** facilitated by Mr S P T Gnana Manoharan, CEH & Computer Hacking Forensic Investigator, Bored Monk Cybercrime Consultancy, Coimbatore during 03-05 June 2021.

EEE | EVENT ORGANISED | REVIVE 2K21 WORKSHOP SERIES ON ANDROID APP DEVELOPMENT

SRI KRISHNA COLLEGE OF TECHNOLOGY
(AN AUTONOMOUS INSTITUTION)
KOVAIPUDUR, COIMBATORE - 641042

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
(ACCREDITED BY NBA)
in association with
INSTITUTION'S INNOVATION COUNCIL

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

Presents

REVIVE 2k21 Workshop Series

Virtual Hands-on Session-1
(for School / Polytechnic Children)
On

"Android App Development"

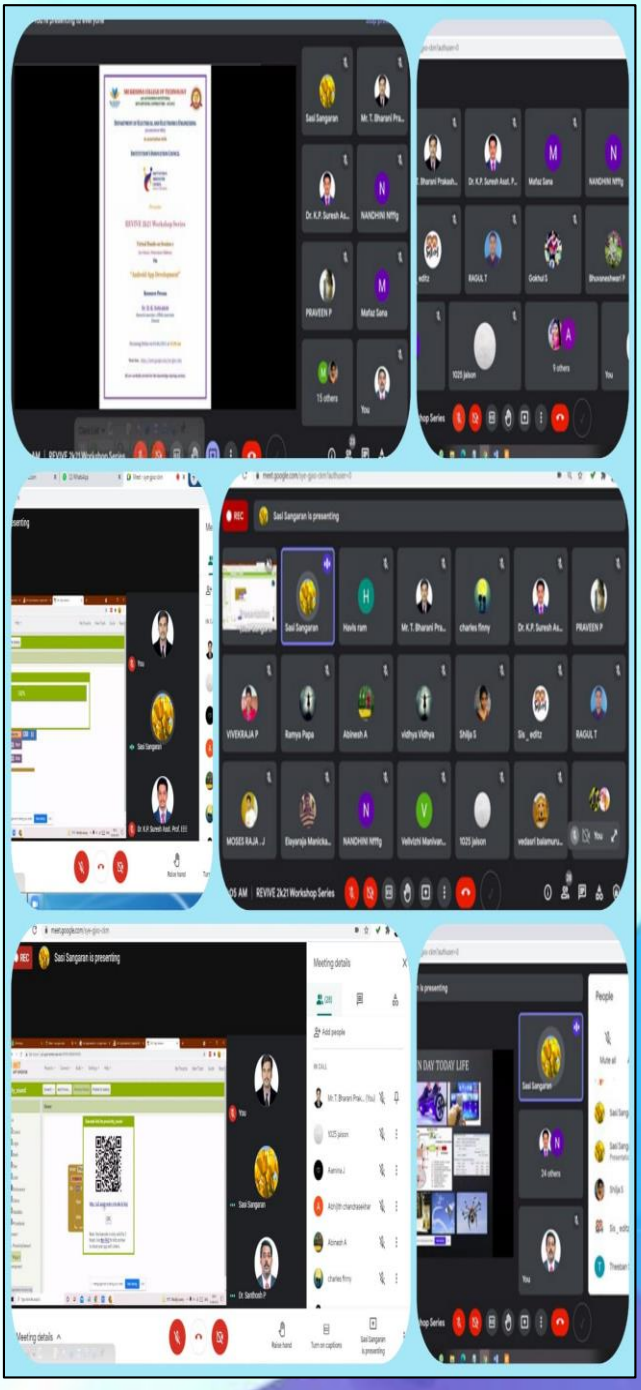
Resource Person

Er. D. K. SANGARAN
Research Associate – ATRAL Associates
Chennai

Streaming Online on 03.06.2021 at 10.00 am

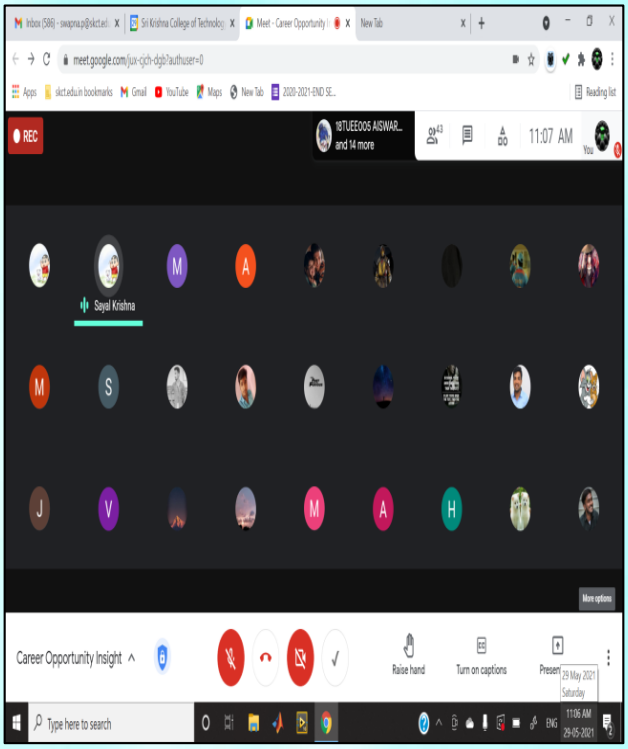
Meet link: https://meet.google.com/sye-gixo-ckm

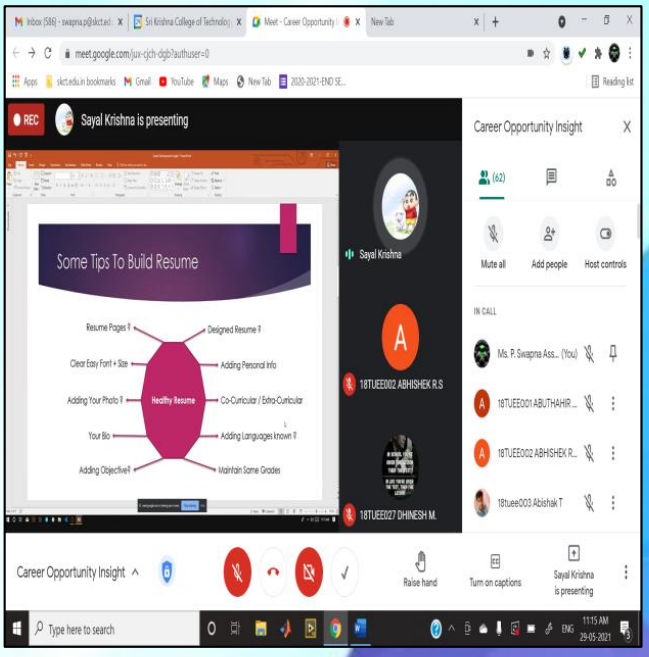
All are cordially invited for the knowledge sharing session.



The Dept. of EEE organised a **"REVIVE 2K21 Workshop Series"** on 03 June 2021.

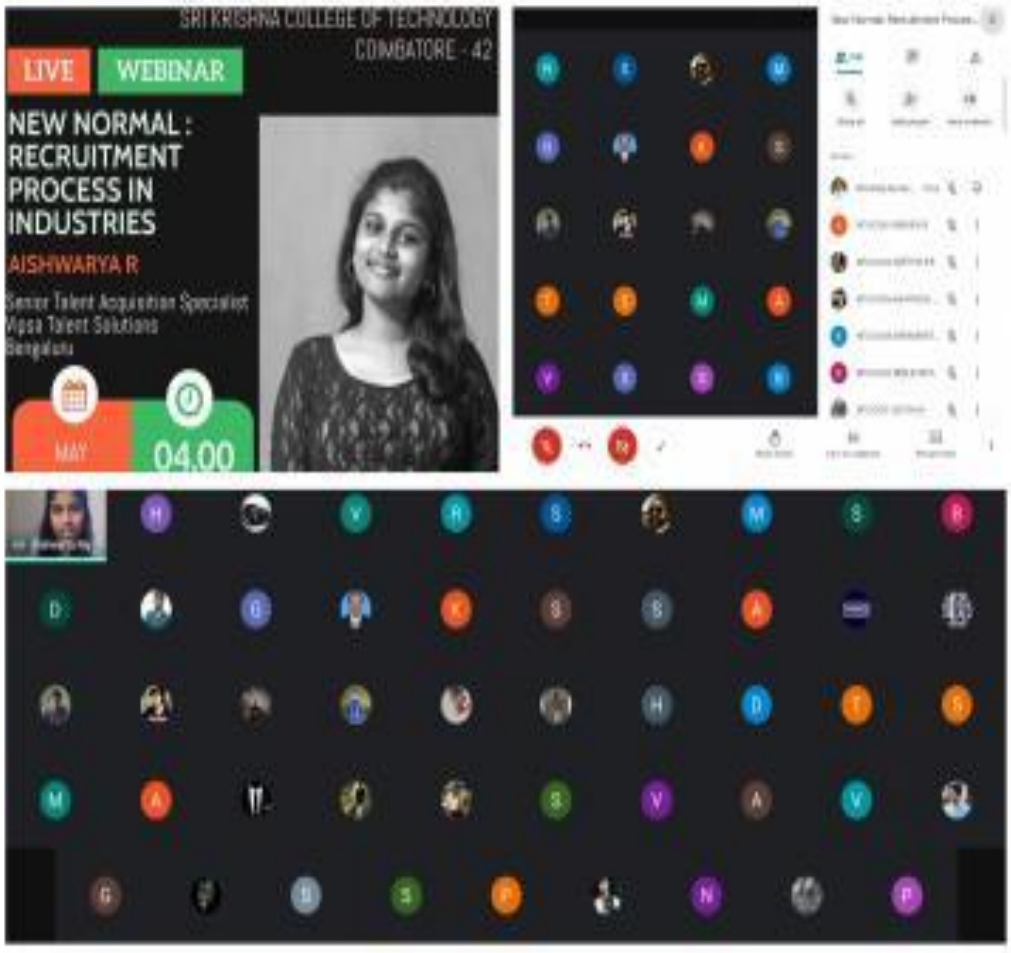
EEE | EVENT ORGANISED | WEBINAR ON CAREER OPPORTUNITY INSIGHT





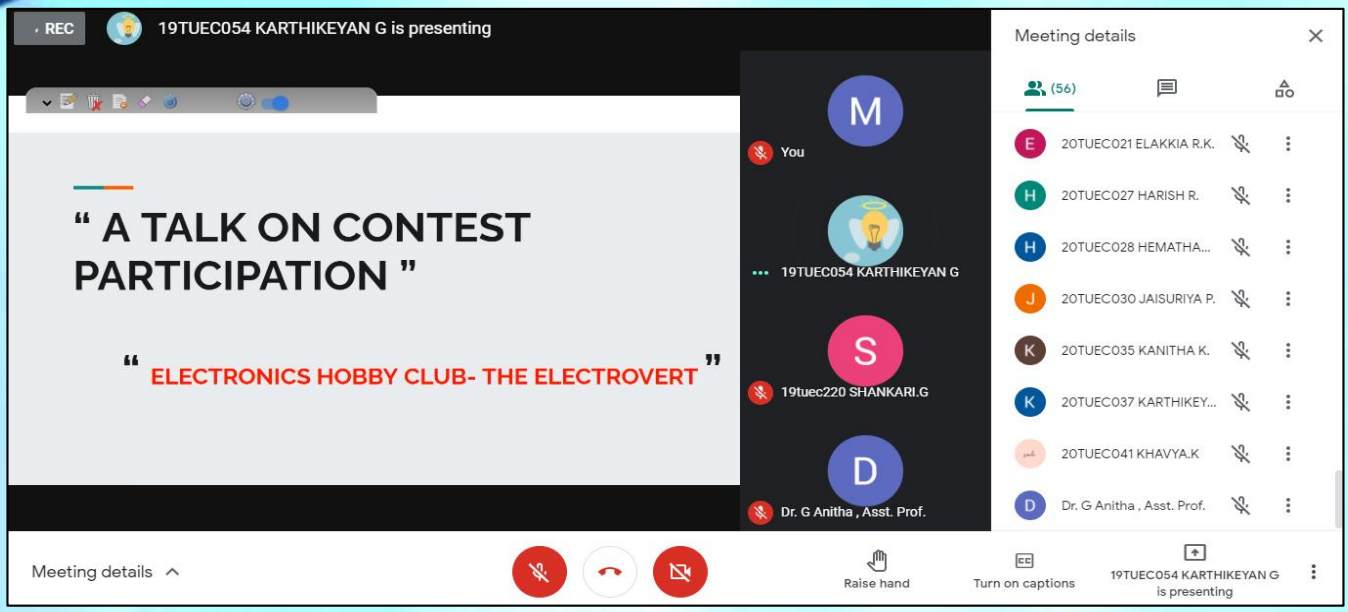
The Dept. of EEE organised a webinar on **"Career Opportunity Insight"** for the Students of B.E. EEE facilitated by Mr Sayal Krishna, Functional Developer, Robert Bosch, Coimbatore on 29 May 2021.

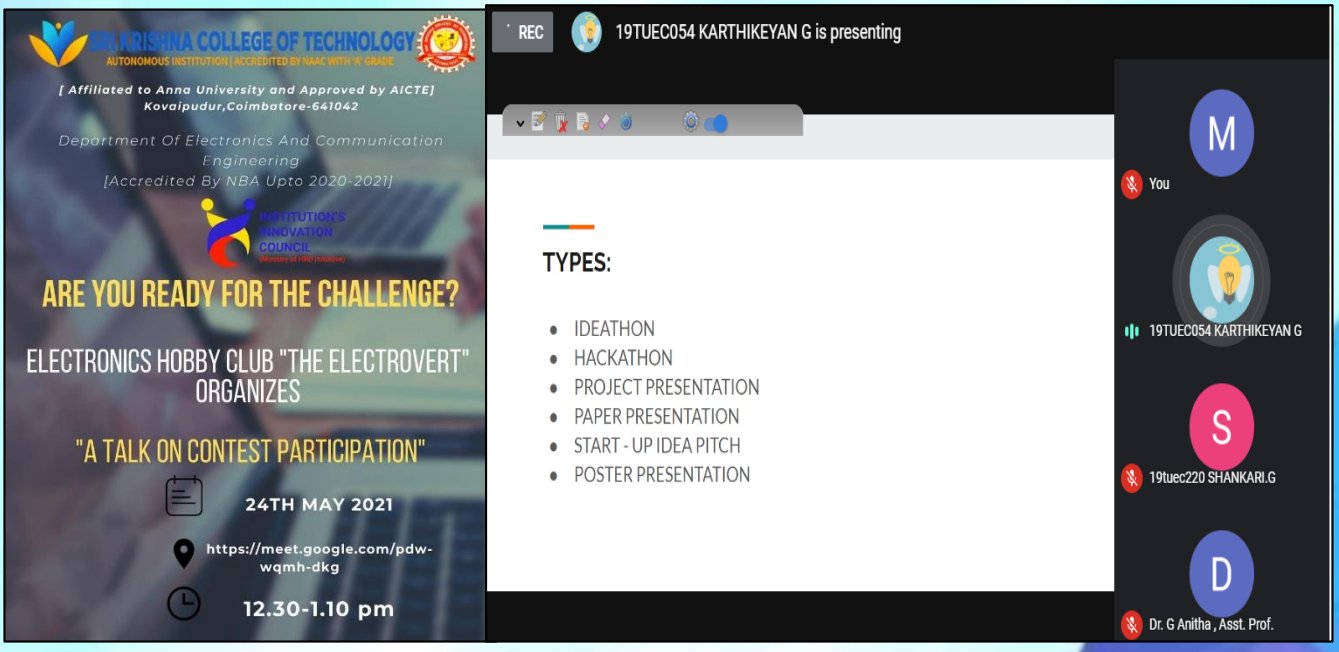
ICE | EVENT ORGANISED | WEBINAR ON NEW NORMAL RECRUITMENT PROCESS IN INDUSTRIES



The Dept. of ICE organised a webinar on **"New Normal: Recruitment Process in Industries"** facilitated by Ms Aishwarya, Senior Talent Acquistion Specialist, Vipasa Talent Solutions, Bengaluru on 30 May 2021.

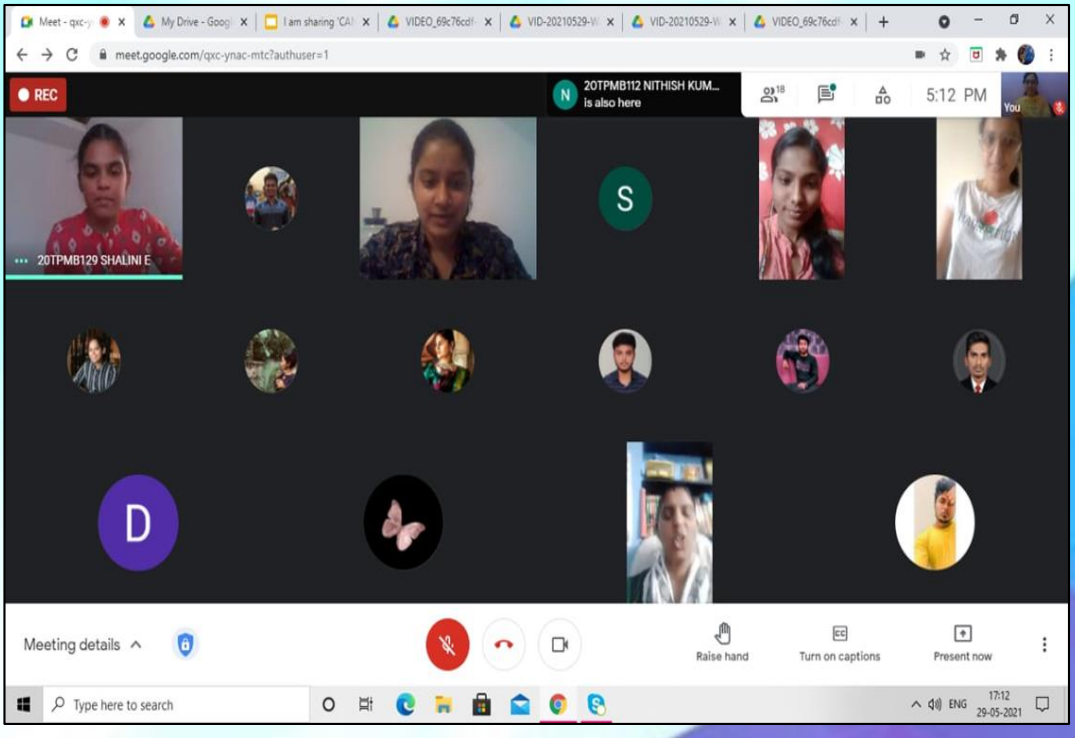
ECE | ELECTRONICS HOBBY CLUB | A TALK ON CONTEST PARTICIPATION





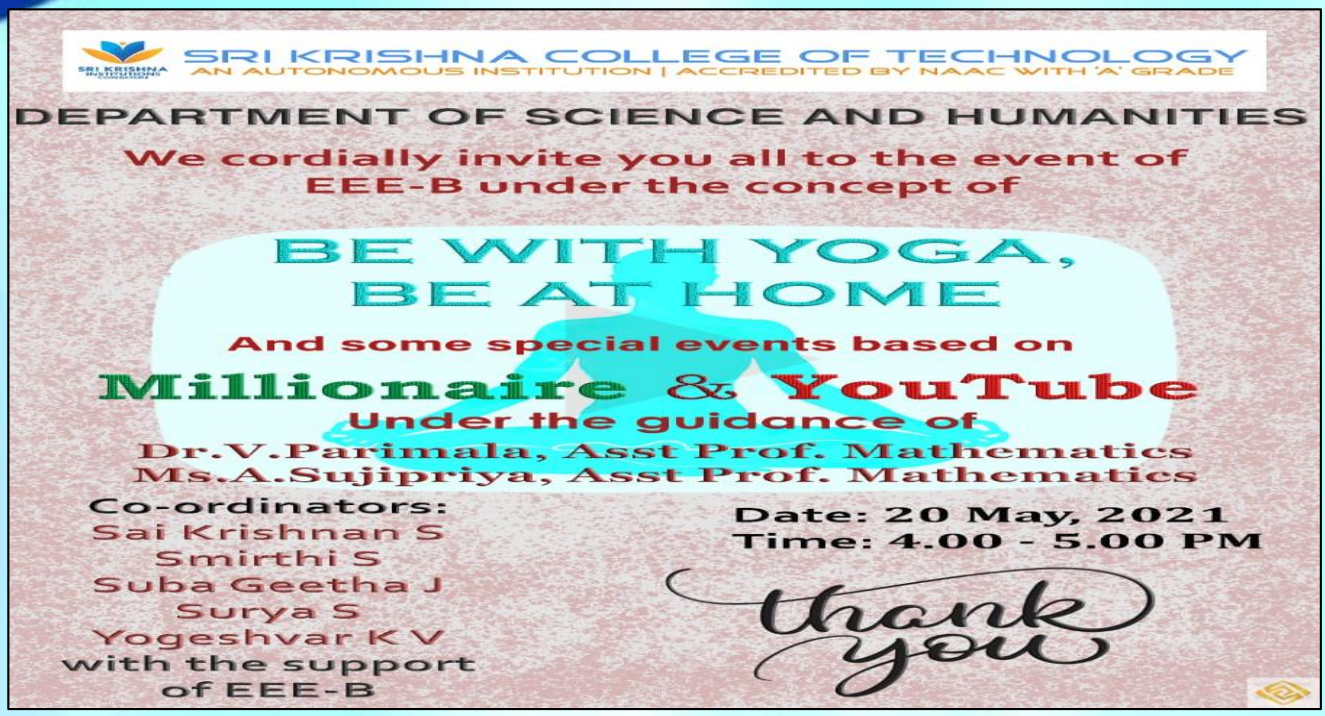
The Electrovert, Electronics Hobby Club in the Dept. of ECE organised a webinar on **"A Talk on Contest Participation"** on 24 May 2021. Dr G Anitha and Ms Dhivya Priya E L, Asst. Professors, Dept. of ECE, coordinated the event.

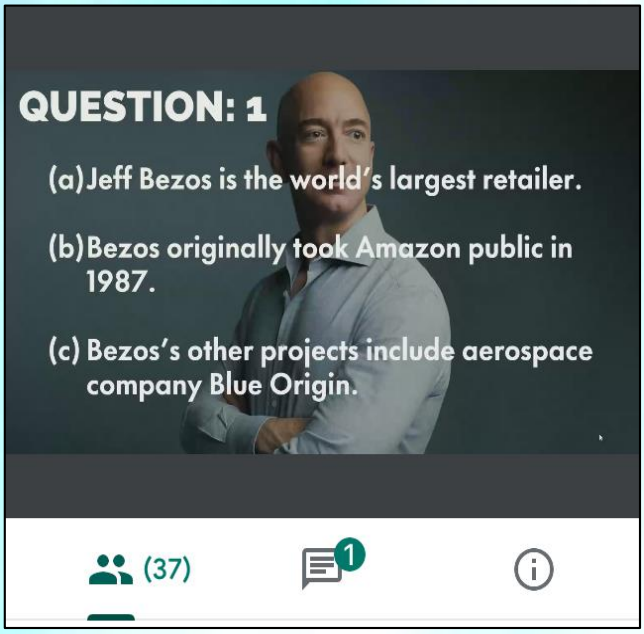
SoM | CANVAS CLUB ACTIVITY | E - EXHIBITION

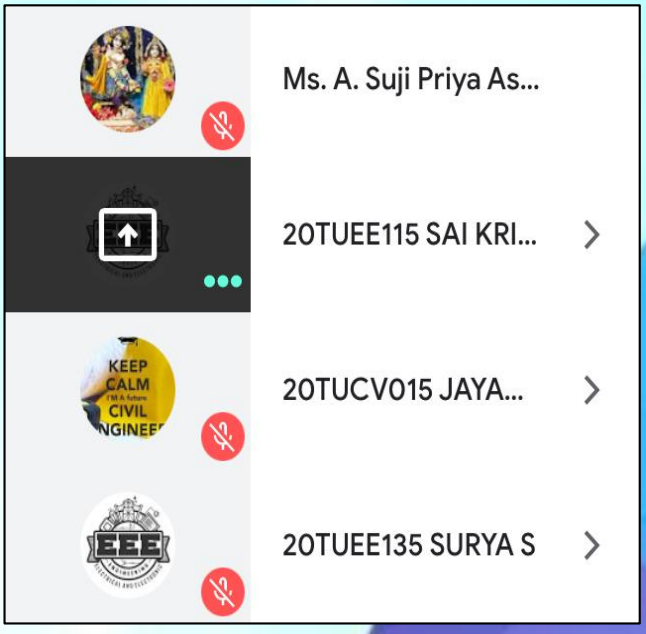


Students of First MBA participated in "**Canvas Club**" and showcased their Craft Works.

S &H | EVENT ORGANISED | BE WITH YOGA BE AT HOME

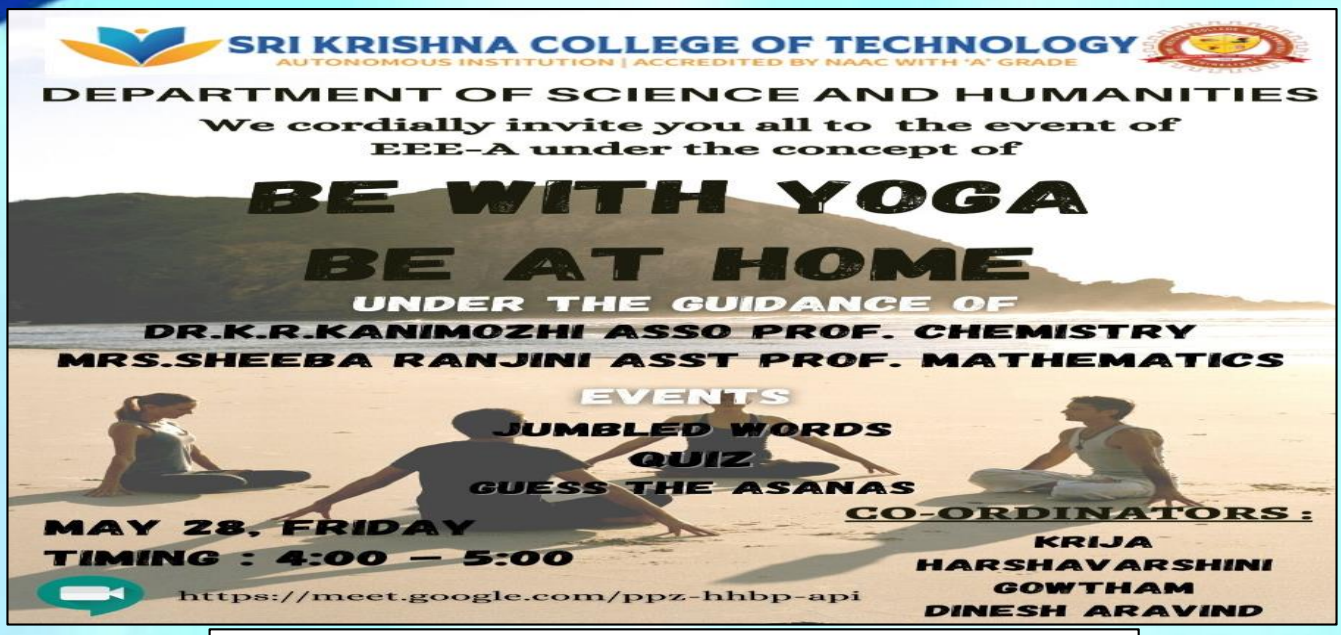


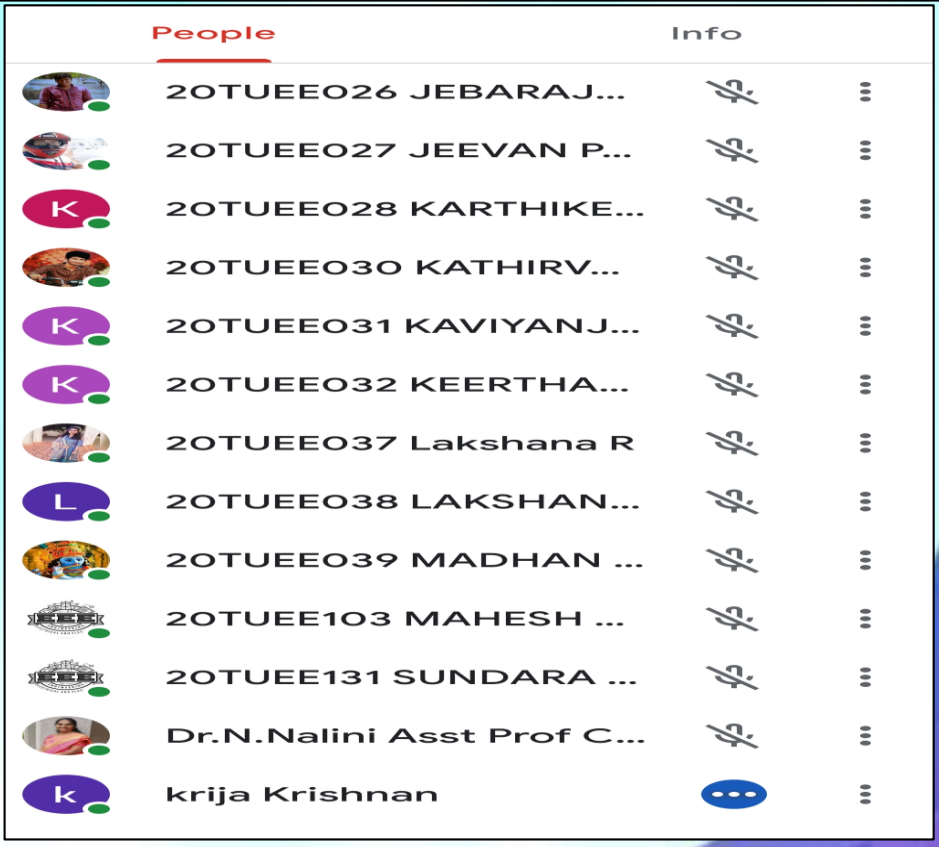




Student of First B.E. EEE B section organised an event named "**Be With Yoga Be At Home**" on 20 May 2021.

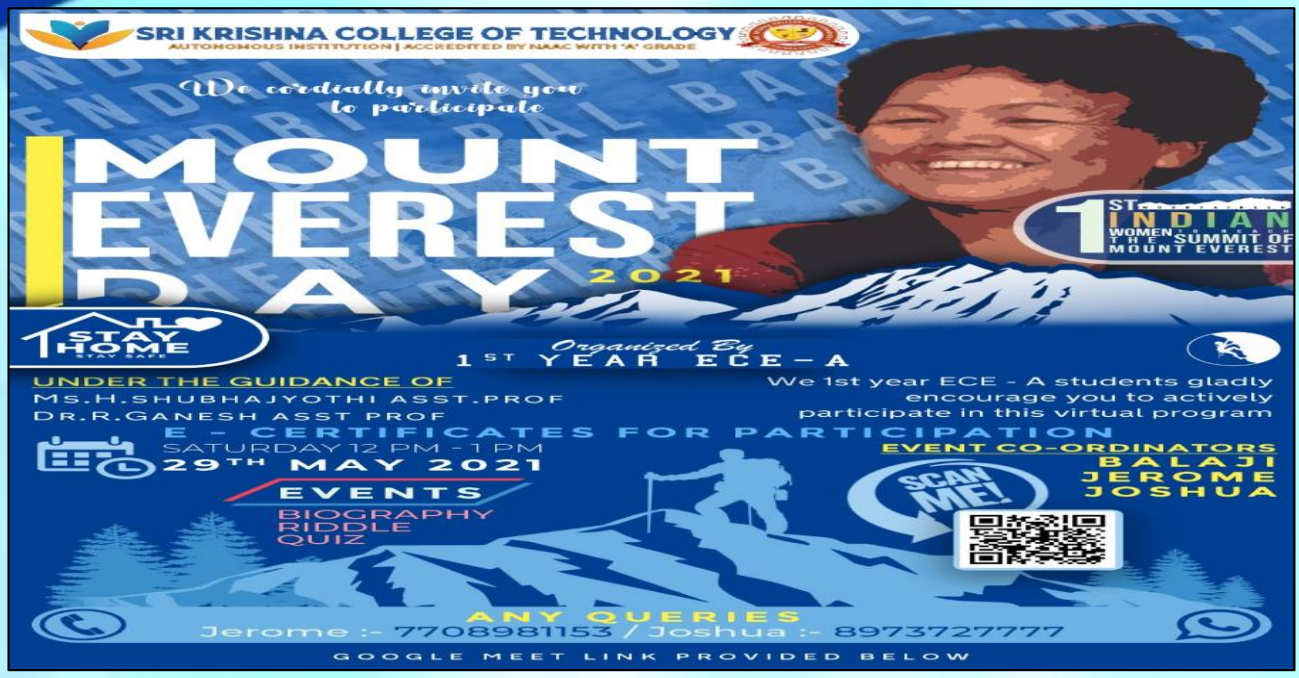
S &H | EVENT ORGANISED | BE WITH YOGA BE AT HOME

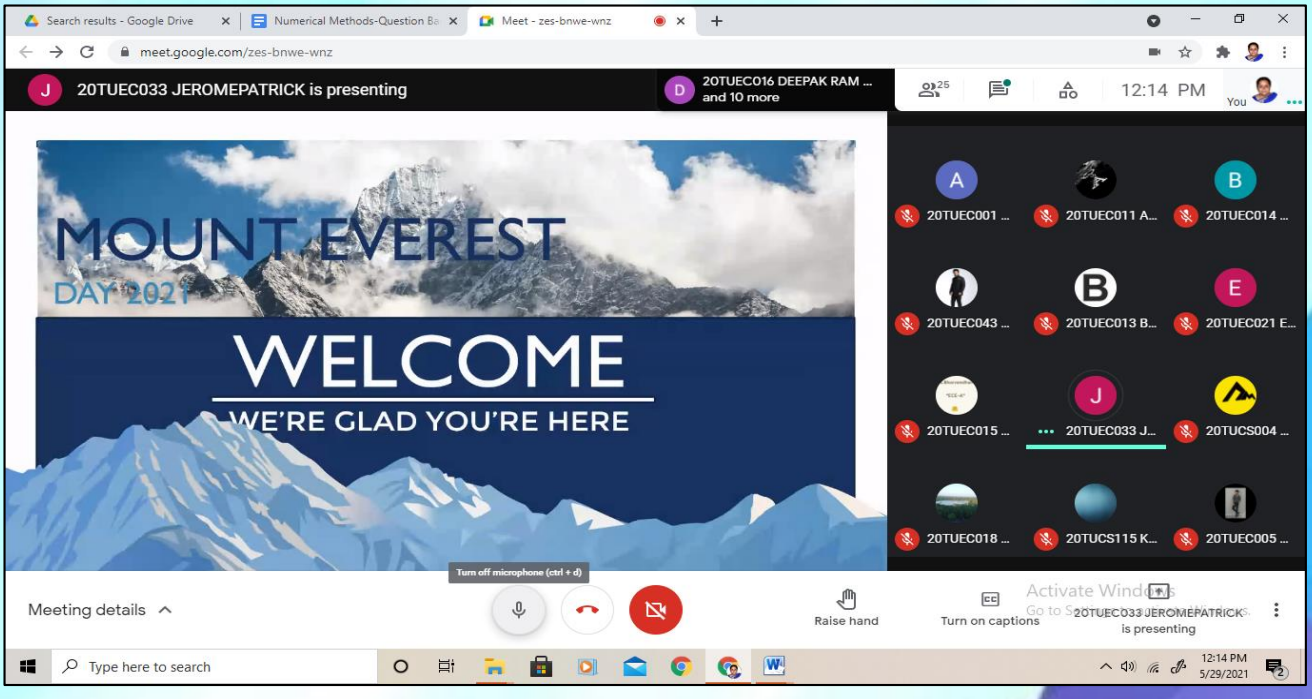




Student of First B.E. EEE A section organised various events as a part of **"Yoga Day"** on 28 May 2021.

S & H | EVENT ORGANISED | MOUNT EVEREST DAY CELEBRATION





Students of First B.E. ECE A section organised various events as a part of "**Mount Everest Day**" under the guidance of Ms H Shubhajyothi and Dr R Ganesh, Asst. Professors, Dept. of S&H on 29 May 2021.

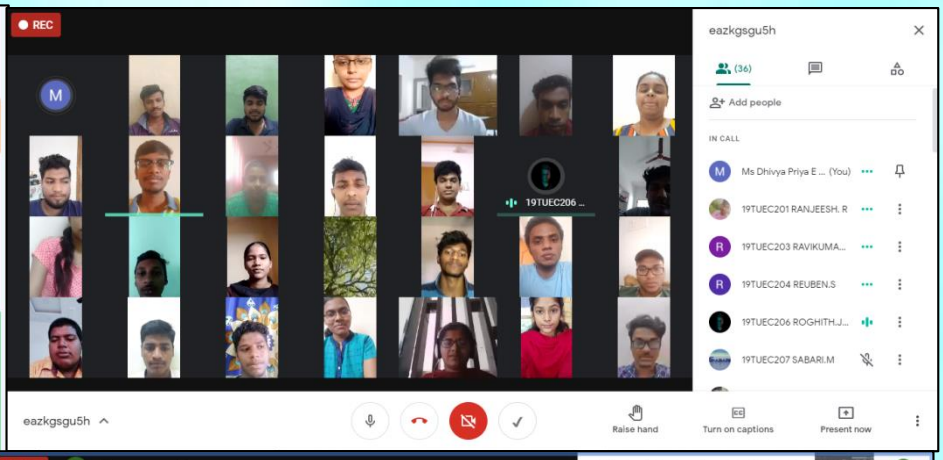
WORLD NO TOBACCO DAY

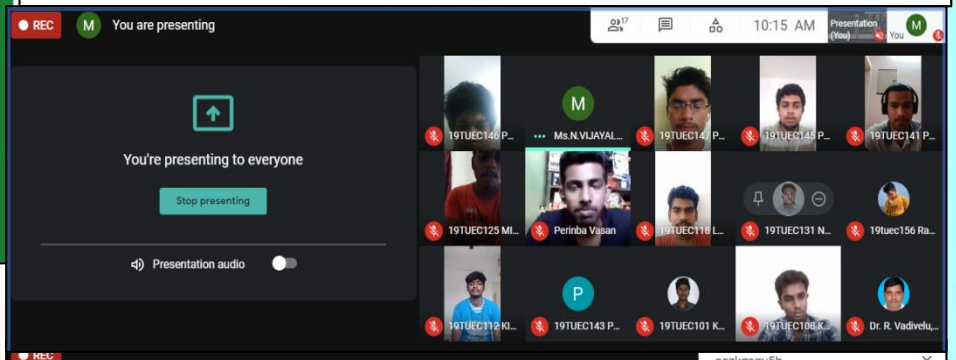
@skctdigest

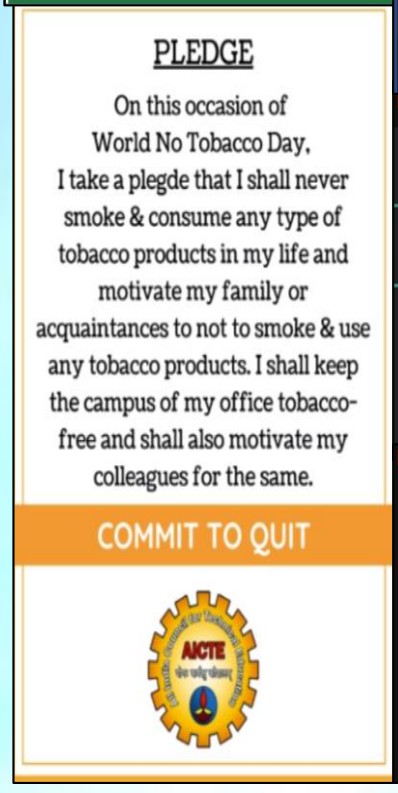
@skctofficial

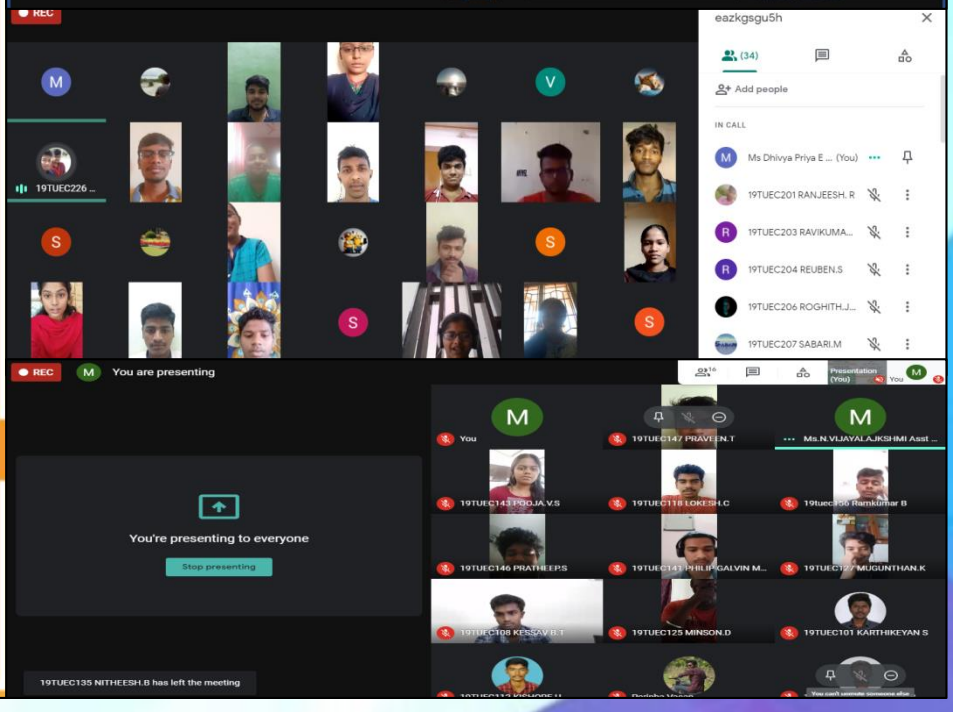
digestfeedback@skct.edu.in

ECE | WORLD NO TOBACCO DAY PLEDGE







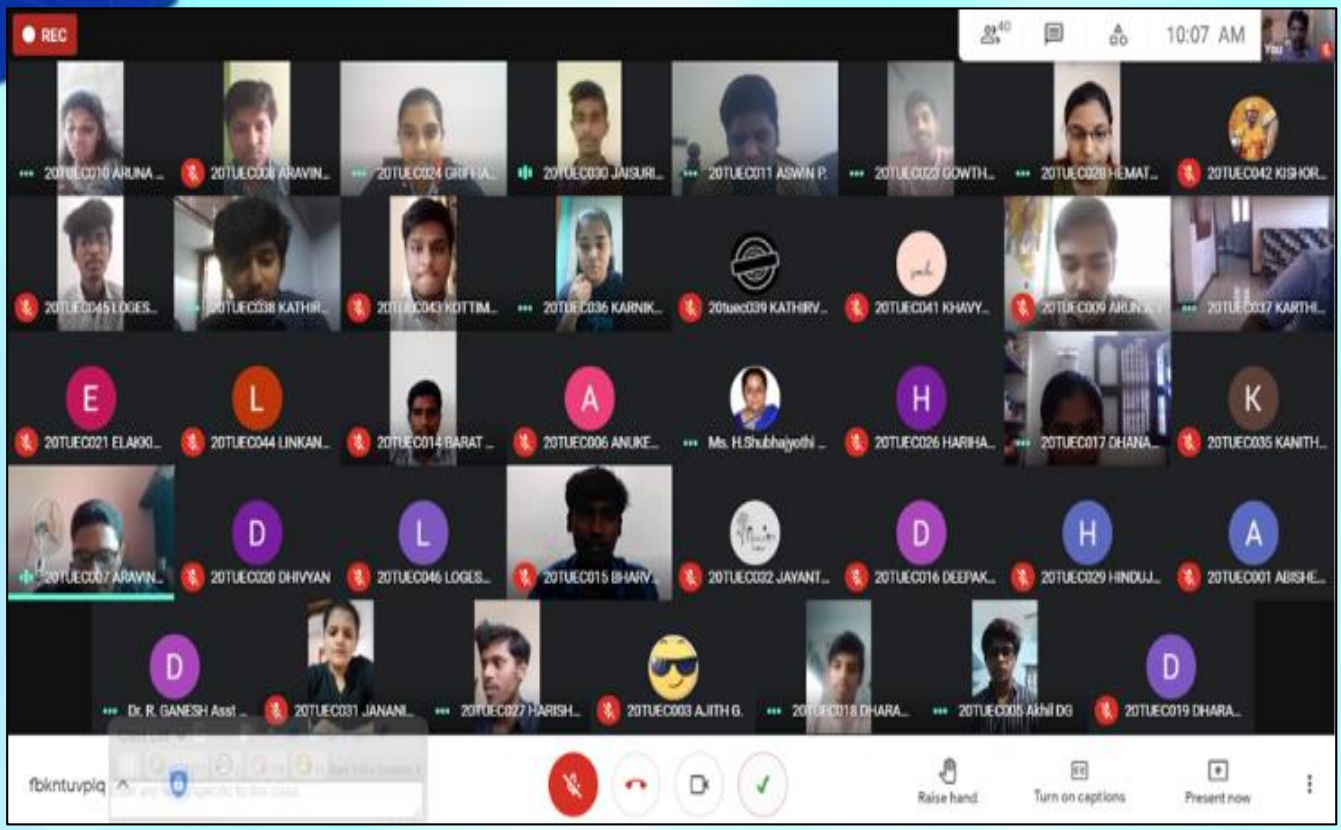


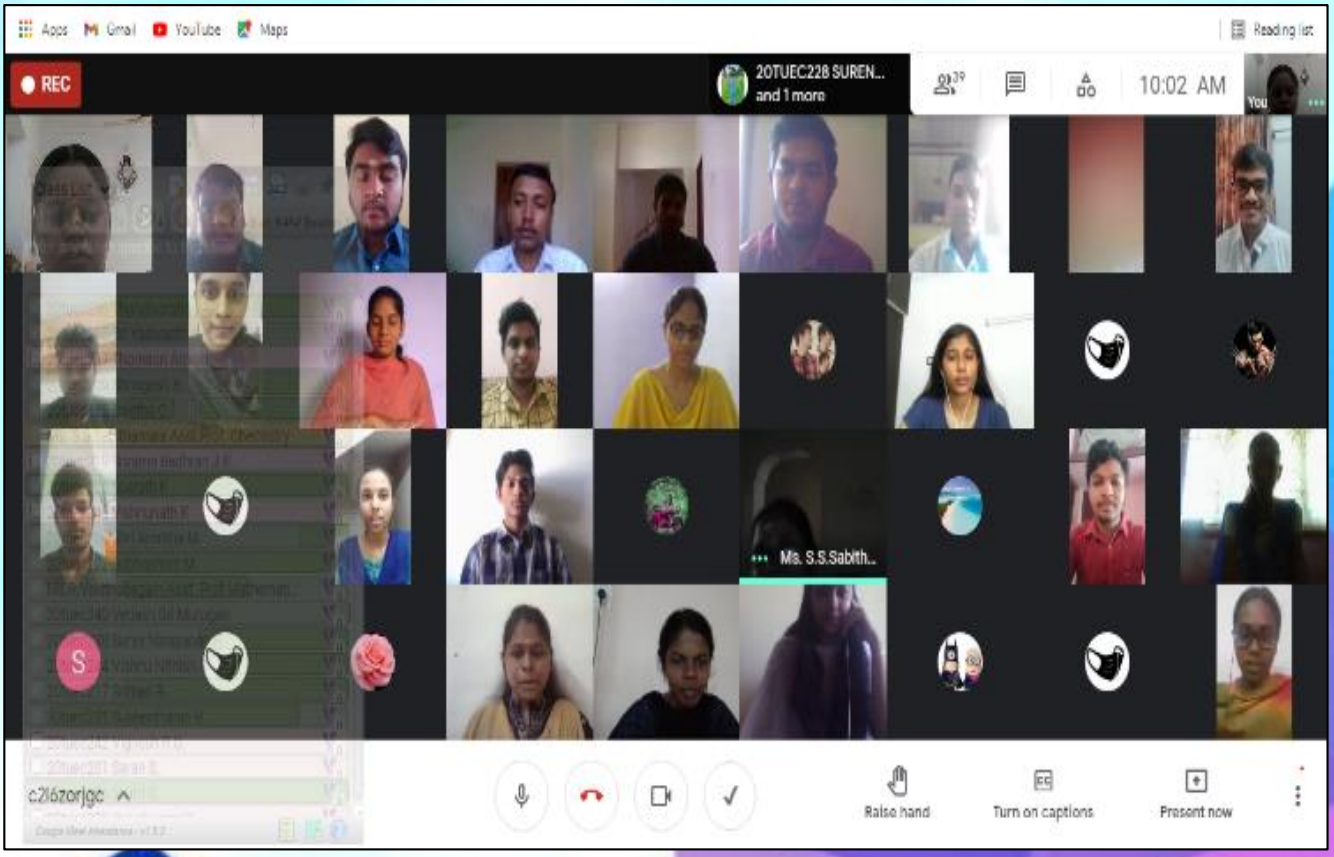
Students and the Members of Faculty from the Dept. of ECE took a pledge on "**Wold No Tobacco Day**" on 31 May 2021.

CIVIL | WORLD NO TOBACCO DAY PLEDGE

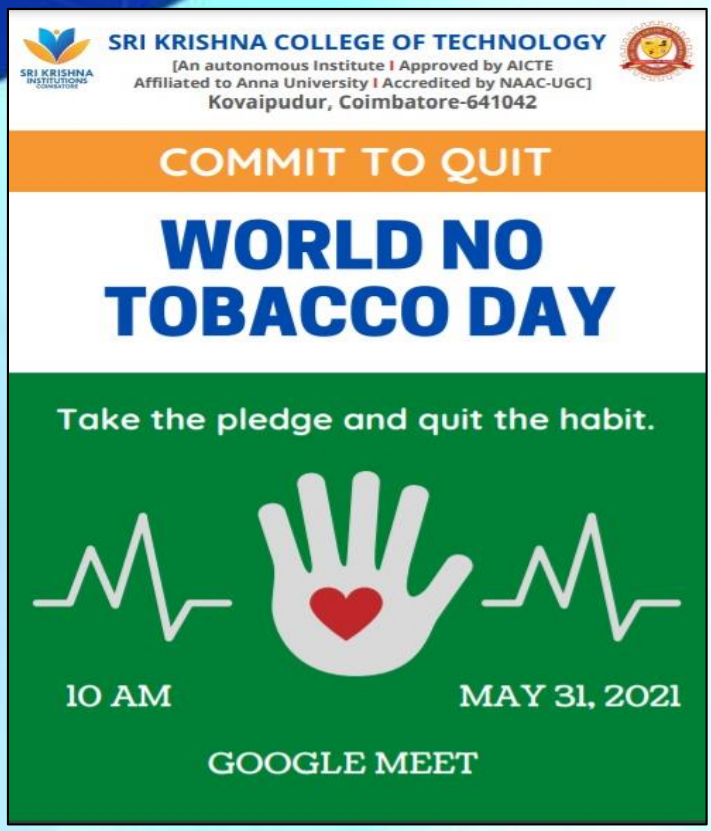
Students and the Members of Faculty from the Dept. of Civil Engineering took a pledge on "**Wold No Tobacco Day**" on 31 May 2021.

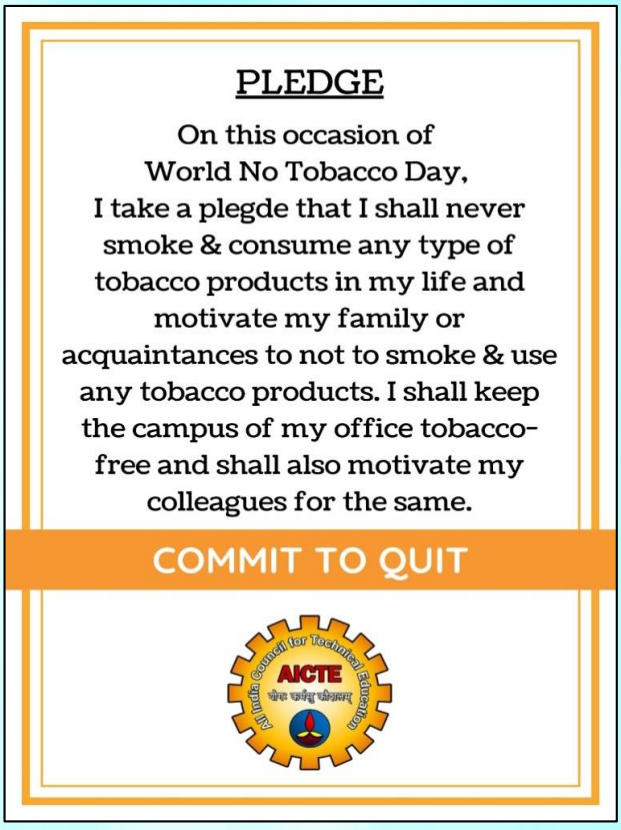
S&H | WORLD NO TOBACCO DAY PLEDGE

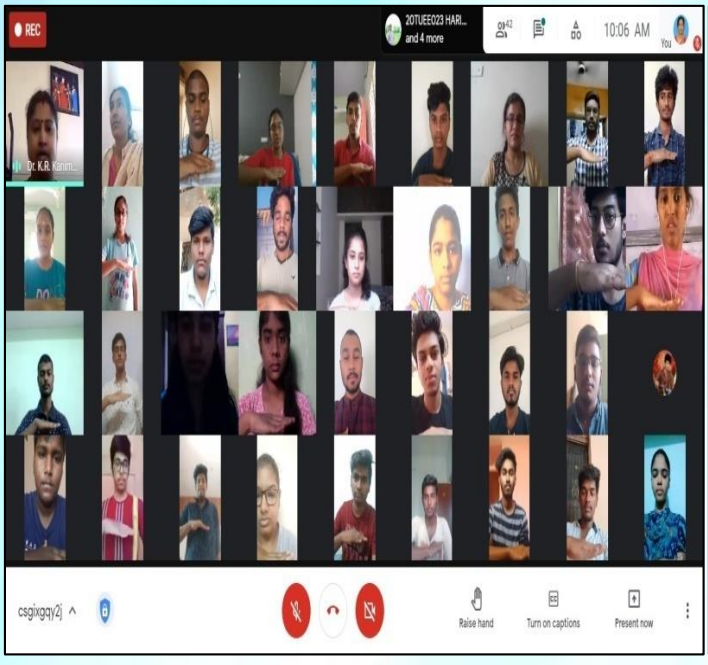


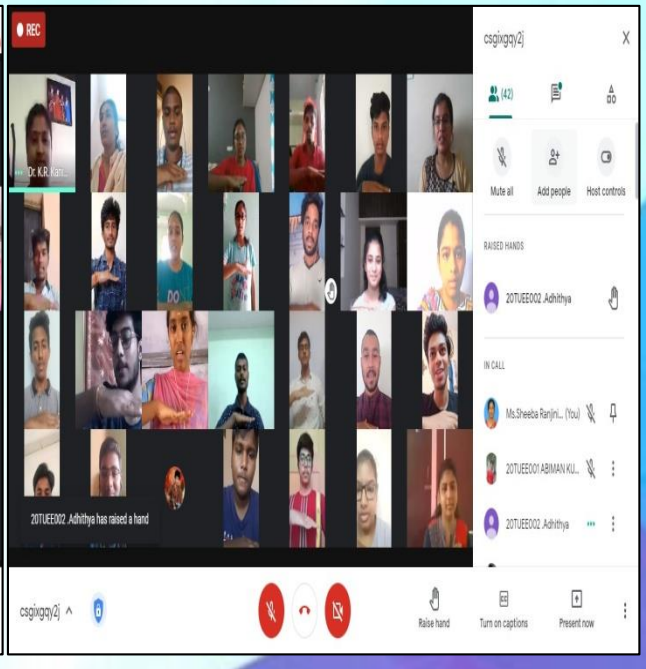


EEE | WORLD NO TOBACCO DAY



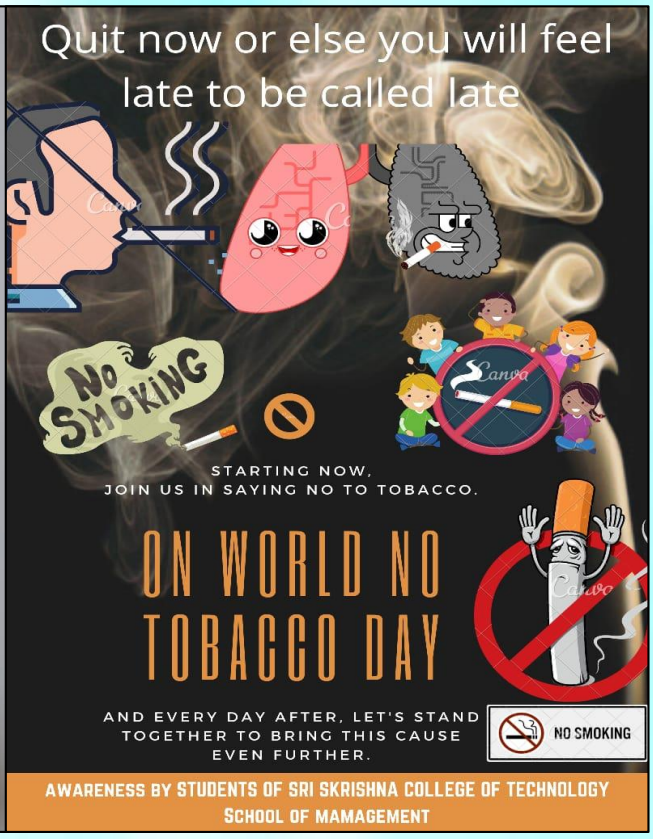






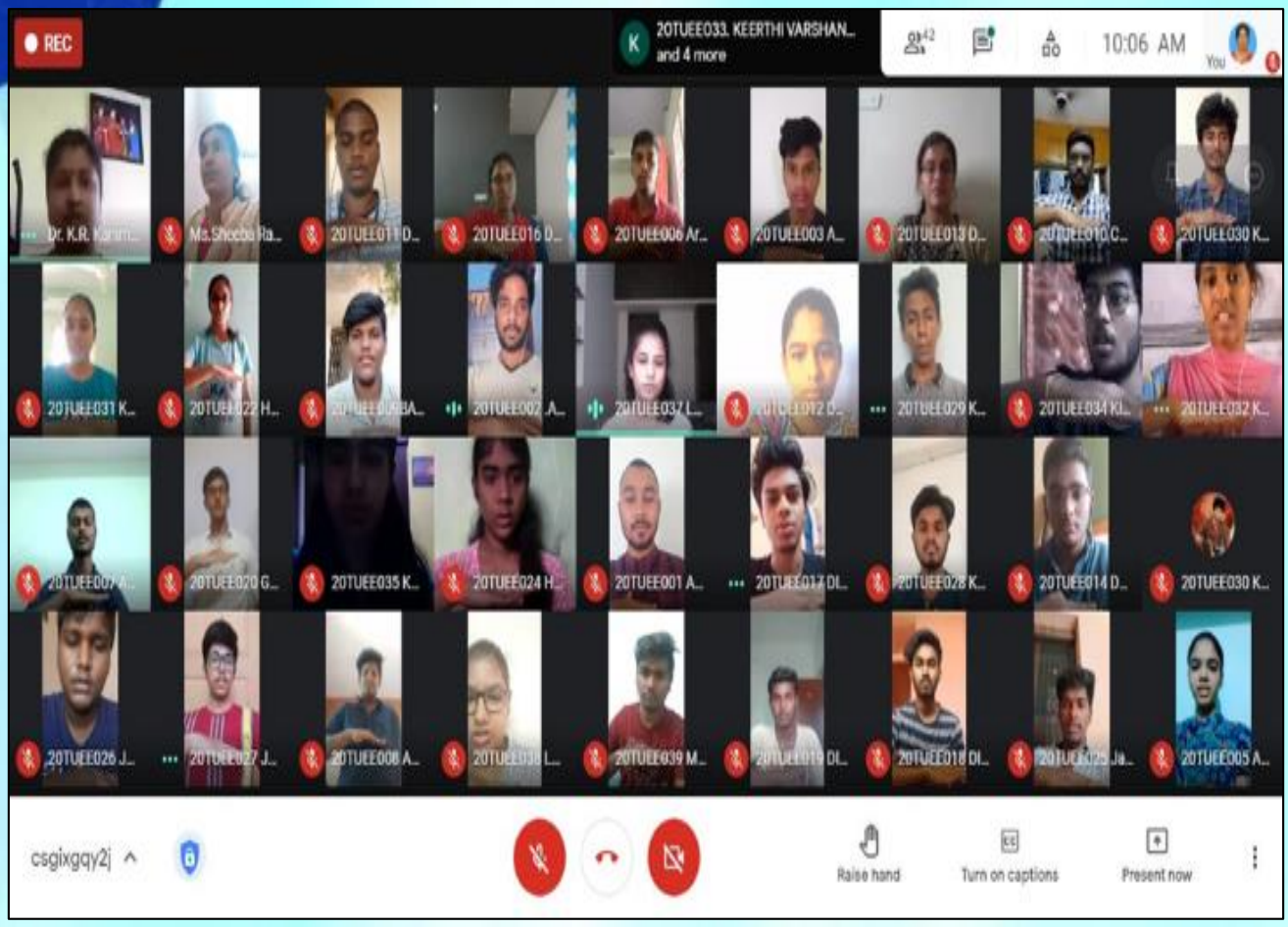
Students of B.E. EEE, took a pledge on **"World No Tobacco Day"** on 31 May 2021.

SoM | AWARNESS ON WORLD NO TOBACCO DAY



Student of First MBA created an awareness through the Art and Sign Boards as a part of "**World No Tobacco Day.**"

S&H | WORLD NO TOBACCO DAY PLEDGE



Students and the Members of Faculty from the Dept. of Science and Humanities took a pledge on "**Wold No Tobacco Day**" on 31 May 2021.