SKCT
DIGEST

SPECIAL ISSUE 23

26 – 30 OCTOBER 2020

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

SPECIAL ISSUE 23

CONSULTANCY PROJECT

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IT | CONSULTANCY PROJECT ON 4m3 BIOGAS PLANT

The Dept. of Information Technology installed **"4m3 Biogas Plant"** at Anand Cattle Farm, Madukkarai village in association with B Sustain Pvt. Ltd., Chennai. Dr G M Tamilselvan, Professor and Head Incharge and Mr A Sureshkumar, Asst. Professor, Dept. of IT, implemented the project on 28 October 2020.

SPECIAL ISSUE 23

PATENT FILED

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ECE | PATENT FILLED | AROGYA SURAKSHA

PATENT OFFICE
INTELLECTUAL PROPERTY BUILDING
G.S.T. Road, Guindy, Chennai-600032
Tel No. (091)(044) 22502081-84 Fax No. 044 22502066
E-mail : Chennai-patent@nic.in
Web Site : www.ipindia.gov.in

GOVERNMENT OF INDIA

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

CHALLAN : TR-5
DOCKET NO :91253

Date/Time : 19/10/2020 02:10:06

To,
KARTHIKEYAN G

Agent Number:

SECOND YEAR B.E - ECE , SRI KRISHNA COLLEGE OF TECHNOLOGY, KOVAIPUDUR, COIMBATORE-641042.
19tuec054@skct.edu.in

Sr. No.	CBR No.	Reference Number /Application Type	Application Number	Title/Remarks	Amount Paid
1	35049	ORDINARY APPLICATION	202041045371	AROGYA SURAKSHA	1750
2		E-2/3046/2020-CHE	202041045371	Form2	0
3		E-3/32338/2020-CHE	202041045371	Form3	0
4		E-5/2855/2020-CHE	202041045371	Form5	0
5	35049	E-12/2834/2020-CHE	202041045371	Form9	2750
Total :					4500

Received a sum of Rs. 4500 (Rupees Four Thousand Five Hundred only) through

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Draft	Canara Bank	453704	09/10/2020	4500

Note: This is electronically generated receipt hence no signature required.

Mr S Ganesh Prabhu and Ms G Anitha, Asst. Professors, Dept. of ECE, Mr Karthikeyan G, Mr Dharun Prasad V and Mr Ashwin Narayan P, Students of Second B.E. ECE A Section, filed a patent on **"Arogya Suraksha"** on 19 October 2020.

SPECIAL ISSUE 23

STUDENTS' PARTICIPATION

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SoM | STUDENTS' PARTICIPATION | PAPER PRESENTATION AT CHENNAI'S INTERNATIONAL VIRTUAL CONFERENCE

Mr R Abilash and Mr Keerthiraj, Students of Second MBA, presented a Research Article on **"Impact of Covid -19 on MSMEs"** in Chennai's International Virtual conference on Contemporary Practices of Technology and Management for Economic Growth.

SoM | STUDENTS' ACHIEVEMENT | PLACEMENT ACTIVITIES

Mr HariHaran B and Mr Dinesh S, Students of Second MBA, has been selected as **"Relation Associate"** in Bajaj Finserve Health Care Ltd. – CTC 4LPA.

SPECIAL ISSUE 23

FACULTY PARTICIPATIONS

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ICE | CERTIFICATE OF APPRECIATION - VEDANT EDUCATOR EXCELLENCE AWARD 2020

CERTIFICATE
OF APPRECIATION

Vedant Foundation Proudly Presents

VEDANT EDUCATOR EXCELLENCE AWARD 2020

to ___DR MANJU P NAIR___

from ___Sri Krishna college of Technology, Coimbatore, Tamilnadu___

in category THREE for the exceptional contributions.

Vedant Foundation acknowledges your contributions and shows gratitude towards your contributorship. Best wishes for your future endeavors too.

October 15, 2020
DATE

PRESIDENT

Registration No. F/3750/Rajkot

Staff Recognition Spotlight

Dr P Manju, Professor and Head, Dept. of ICE, has been honoured with "**Vedant Educator Excellence Award 2020**" by Vedant Foundation, Rajkot on 29 October 2020.

CSE | PROPOSAL PRESENTATION
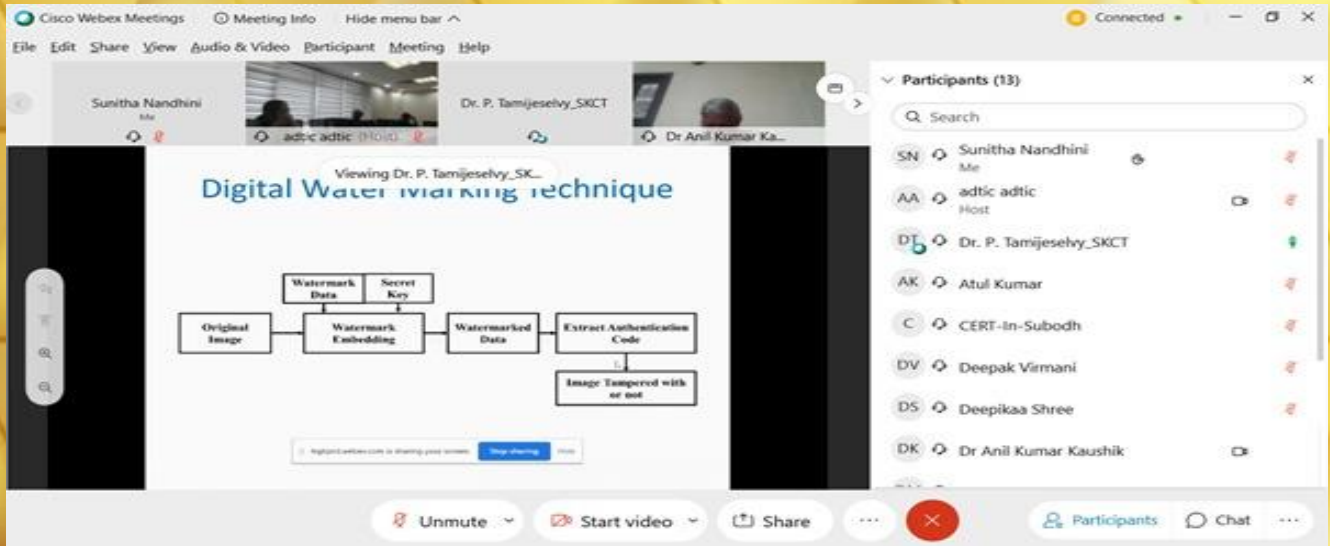
Dr P Tamije Selvy, Professor and Ms A Sunitha Nandhini, Asst. Professor, Dept. of CSE, presented a proposal on "**Detection of Morphed, Edited and Fabricated Multimedia Files and Record Validation for Cyber Crime Investigation**" in a video conference meeting organised by Bureau of Police Research and Development for Evaluation on 30 October 2020.

CIVIL | FACULTY ONLINE COURSE COMPLETION

Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, completed an online course on "**Mechanics of Materials IV: Deflection, Buckling, Combined Loading & Failure Theories**" through Coursera on 19 October 2020.

ECE | FACULTY PARTICIPATION | AICTE ISTE SERIES 1 QUIZ

Mr R R Thirrunavukkarasu, Asst. Professor, Dept. of ECE, participated in "**AICTE ISTE Series 1 Quiz**" organised by Sri Krishna College of Engineering and Technology, Coimbatore during 19-24 October 2020.

SPECIAL ISSUE 23

EVENTS ORGANISED

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ECE | EVENT ORGANISED | WEBINAR ON DIGITAL TRANSFORMATION WITH CLOUD TECHNOLOGIES
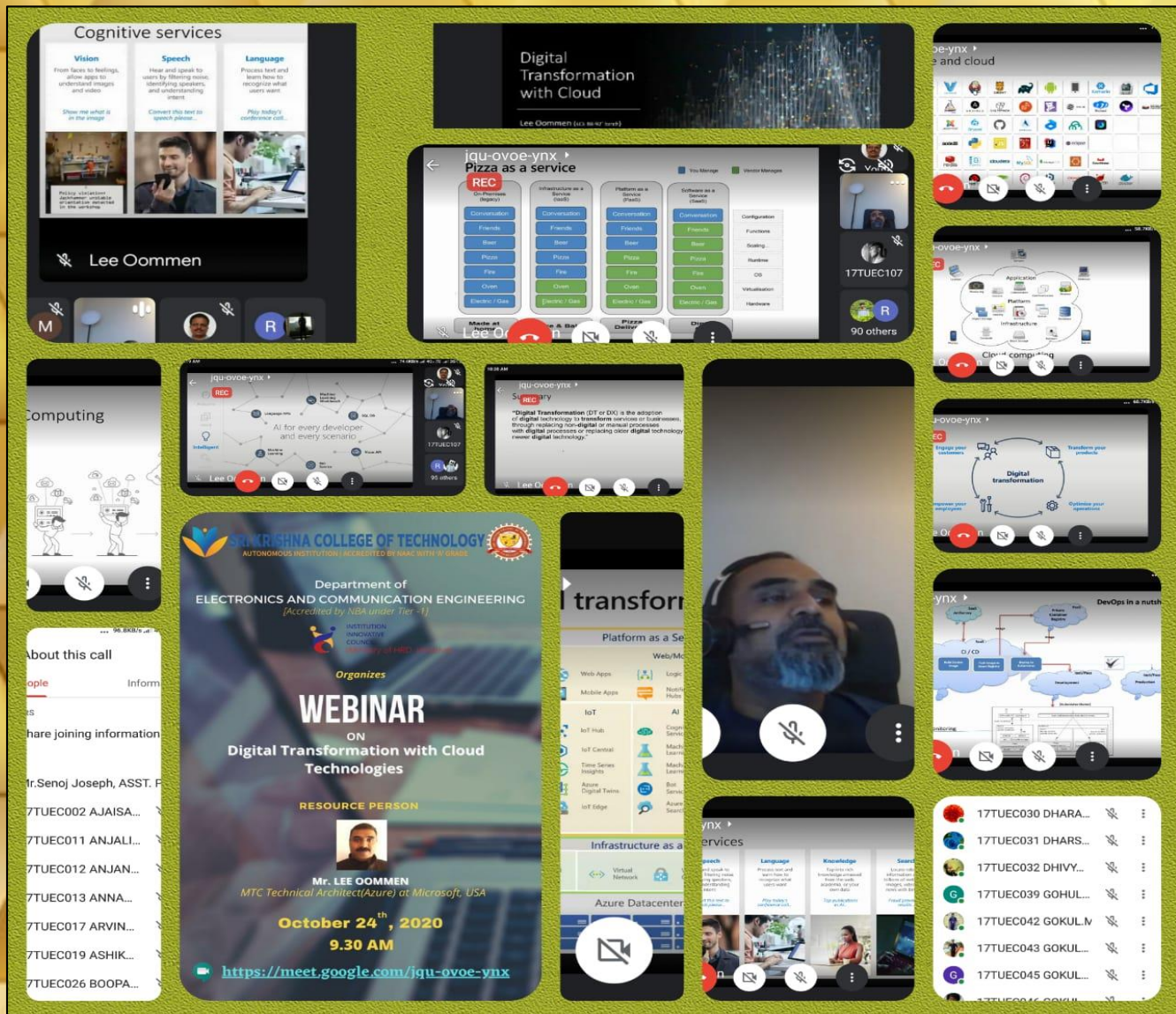
The Dept. of ECE organised a webinar on **"Digital Transformation with Cloud Technologies"** facilitated by Mr Lee Oommen, Alumnus (Batch – 1992), MTC Technical Architect (Azure) Microsoft, USA. Dr Senoj Joseph, Assoc. Professor, Dept. of ECE coordinated the event on 24 October 2020.

MECH | EVENT ORGANISED | AICTE SPONSORED STTP ON ENHANCING RESEARCH AND DEVELOPMENT THROUGH PROJECT BASED LEARNING TO ACHIEVE OUTCOME BASED EDUCATION IN ENGINEERING
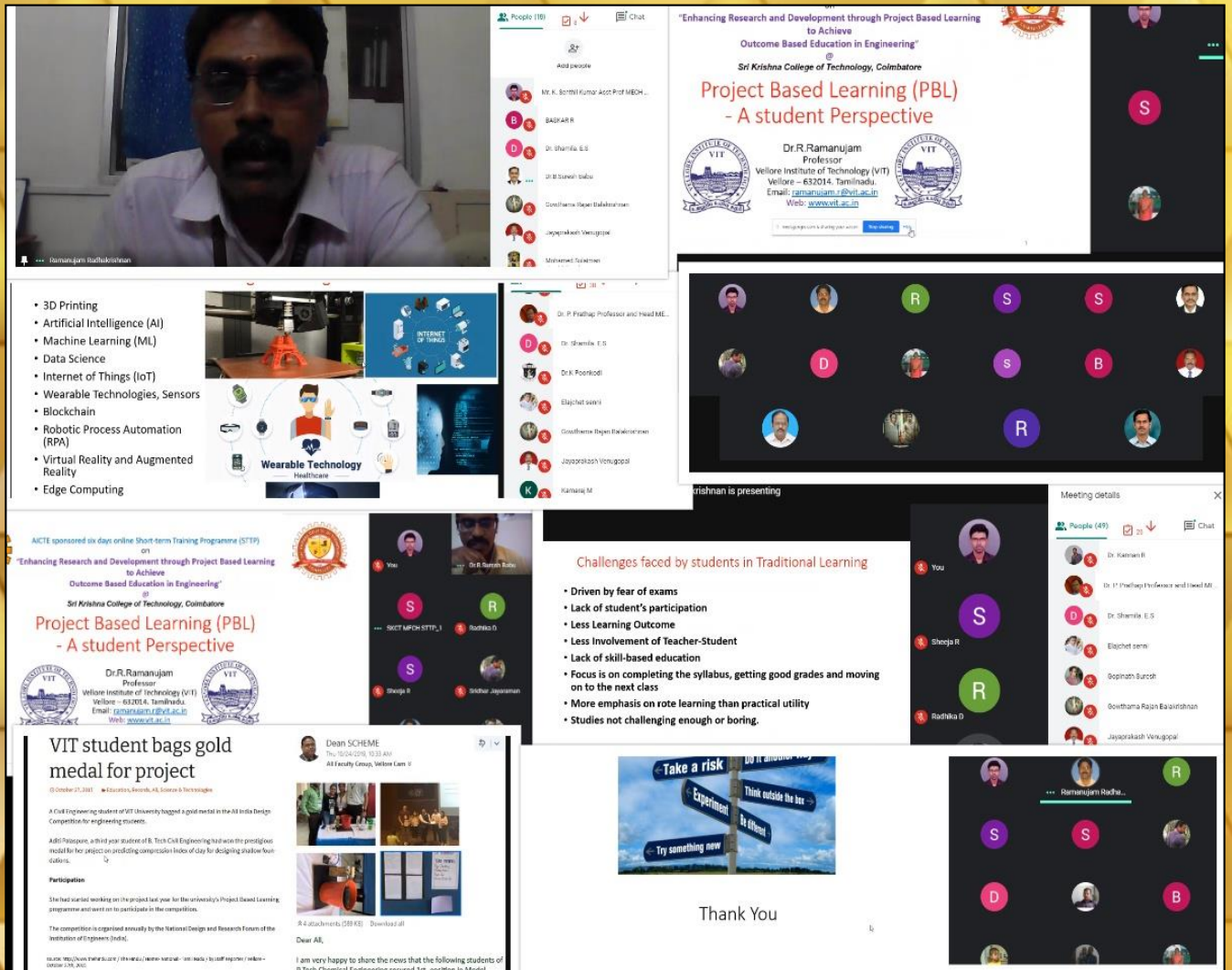
The Dept. of Mechanical Engineering organised the AICTE sponsored STTP program on **"Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering"** facilitated by Dr R Ramanujam, VIT, Vellore on 24 October 2020.

MECH | EVENT ORGANIZED | AICTE SPONSORED STTP ON ENHANCING RESEARCH AND DEVELOPMENT THROUGH PROJECT BASED LEARNING TO ACHIEVE OUTCOME BASED EDUCATION IN ENGINEERING
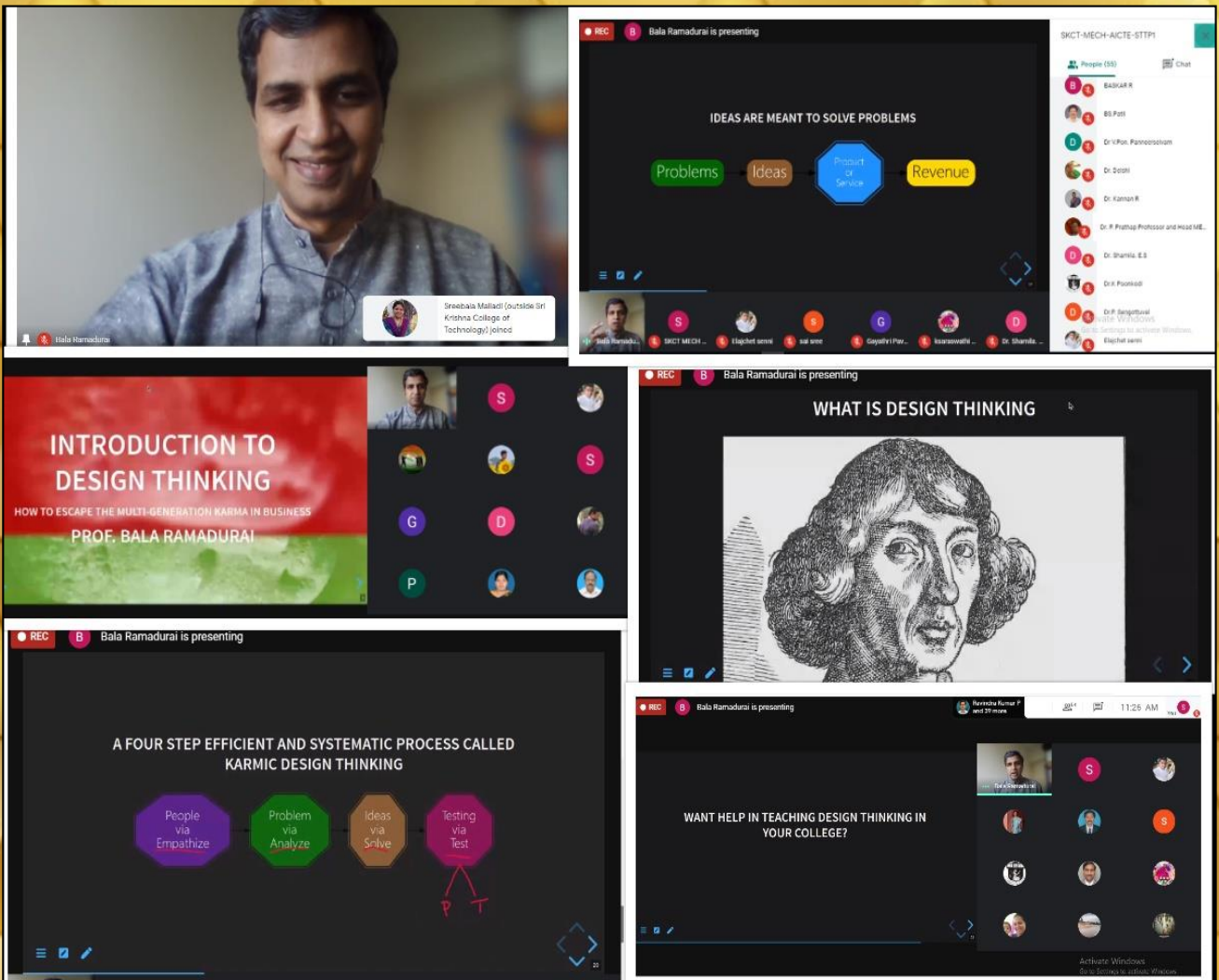
The Dept. of Mechanical Engineering organised the AICTE sponsored STTP program on **"Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering"** facilitated by Prof. Bala Ramadurai on 27 October 2020.

MECH | EVENT ORGANIZED | AICTE SPONSORED STTP ON ENHANCING RESEARCH AND DEVELOPMENT THROUGH PROJECT BASED LEARNING TO ACHIEVE OUTCOME BASED EDUCATION IN ENGINEERING
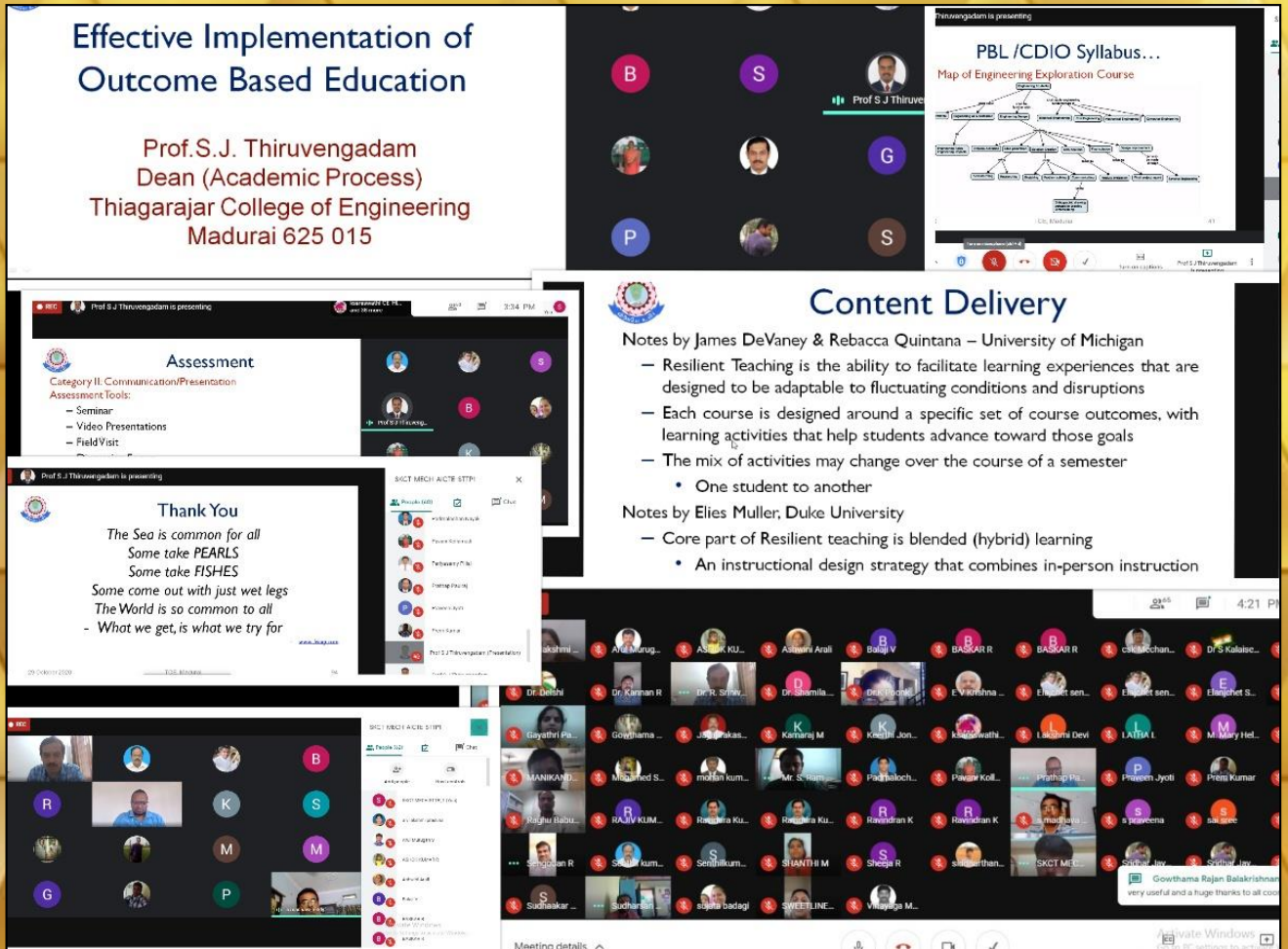
The Dept. of Mechanical Engineering organised the AICTE sponsored STTP program on **"Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering"** facilitated by Dr S J Thiruvengadam, Professor, Thiayagarajar College of Engineering, Madurai on 29 October 2020.

IT | INTERACTIVE SESSION ON BUILD YOUR DREAM WITH ACCENTURE

The Dept. of Information Technology organised an Interactive session with Ms Leelavathi and Mr Jagan, Associate Software Engineers, Accenture, Chennai to the placement interested students of Final B.E. Dr G M Tamilselvan, Professor and Head Incharge and Dr T Rajesh Kumar, Assoc. Professor, Dept. of IT, coordinated the event on 27 October 2020.
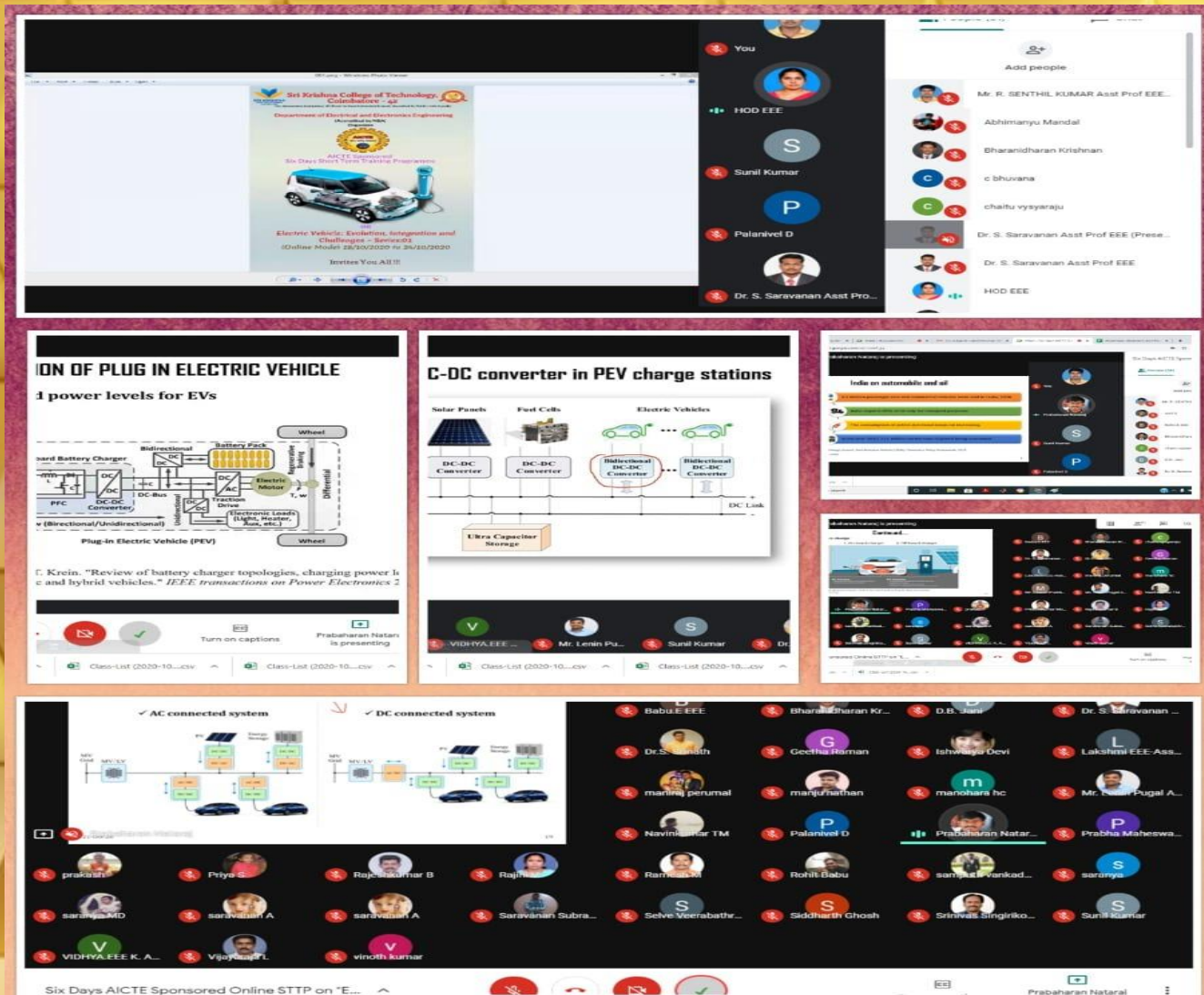
EEE | AICTE SPONSORED STTP (SERIES:01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES
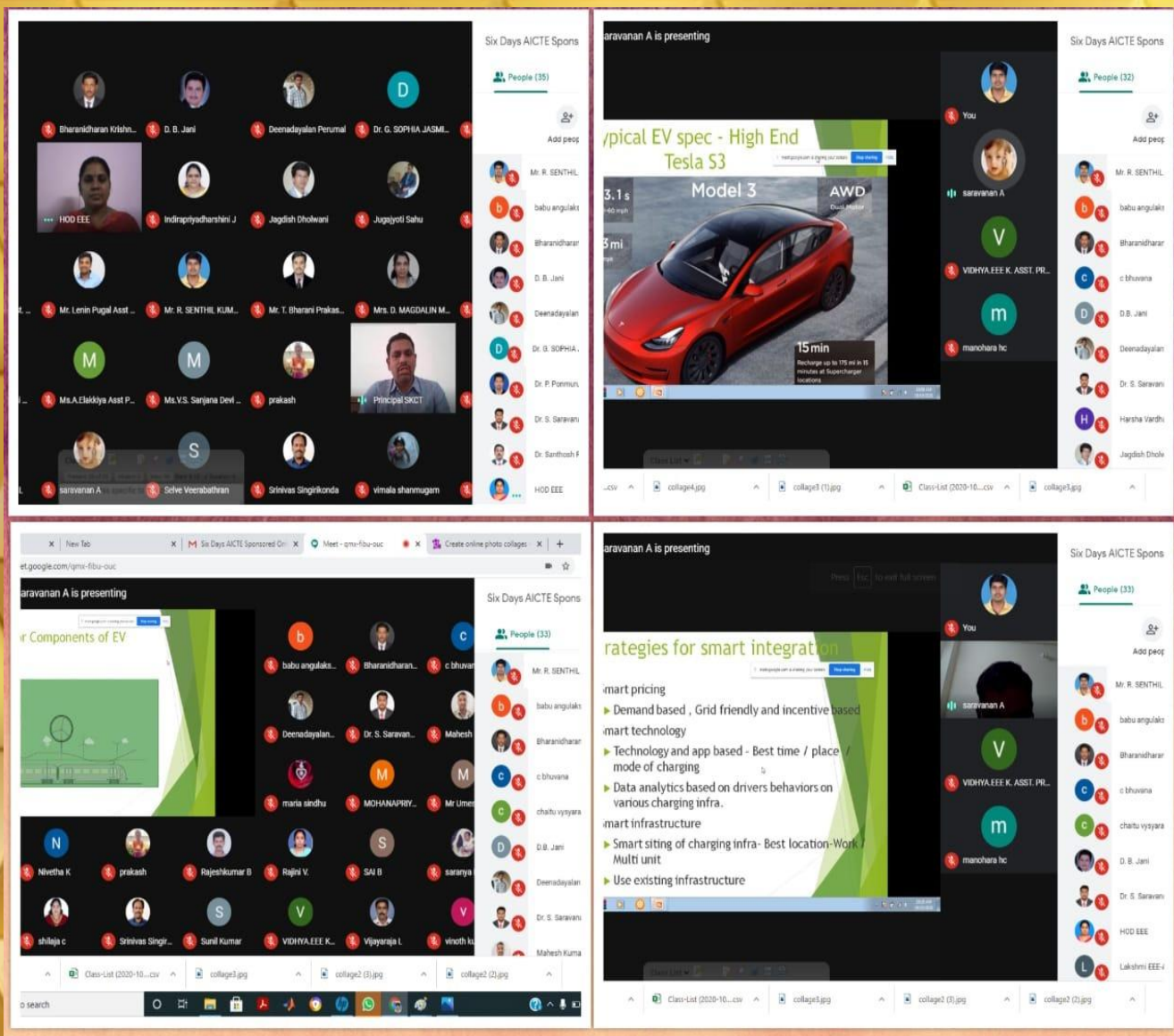
The Dept. of EEE organised the AICTE Sponsored STTP (Series: 01) Session 1 on **"Electric Vehicle: Evolution, Integration and Challenges"** facilitated by Mr A Saravanan, Lead Power System Engineer, ABB, Bangalore on 19 October 2020.

EEE | AICTE SPONSORED STTP (SERIES: 01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES
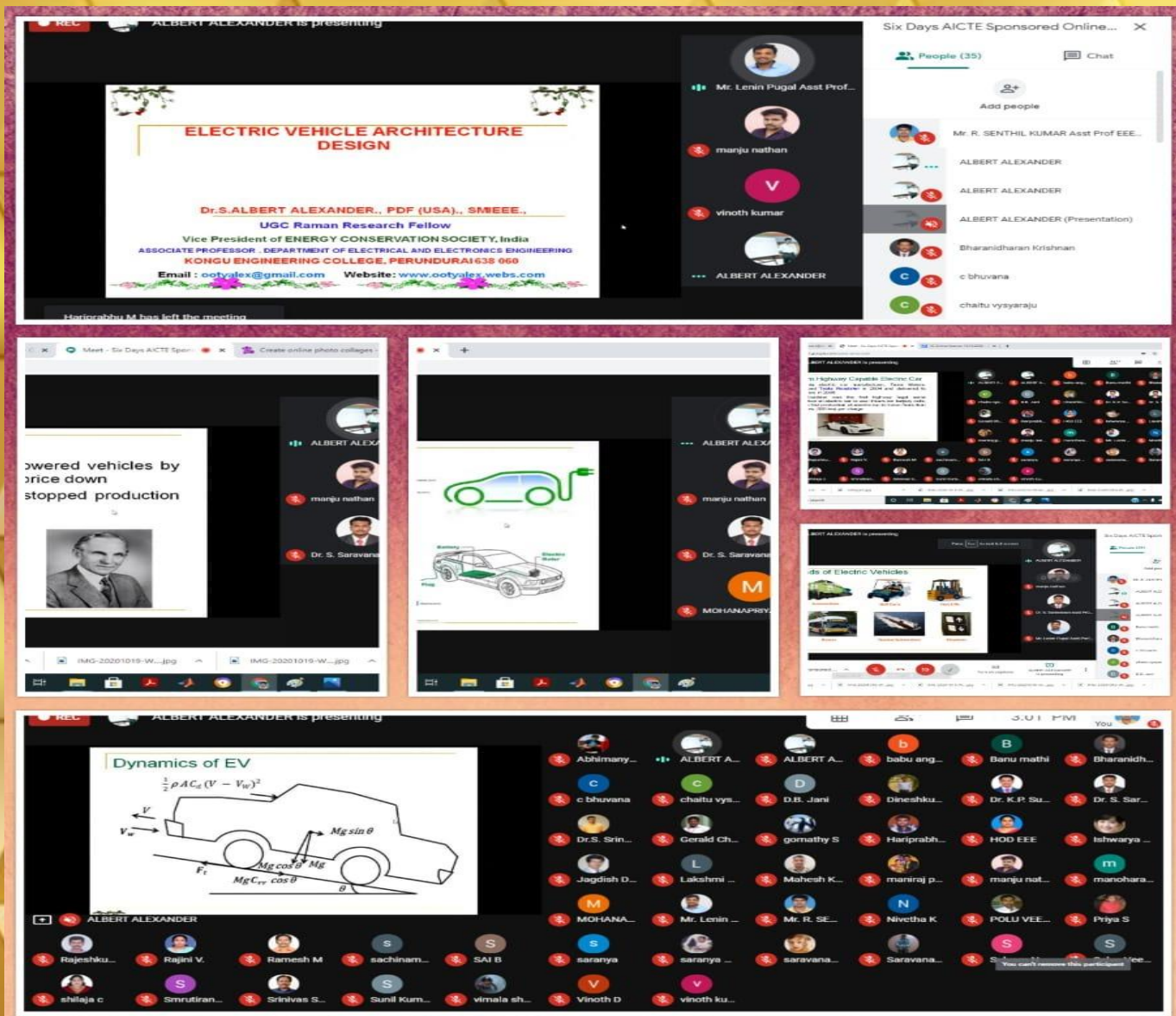
The Dept. of EEE organised the AICTE Sponsored STTP (Series:01) Session 2 on **"Electric Vehicle Architecture Design"** facilitated by Dr Albert Alexender, Associate Professor, Dept. of EEE, Kongu Engineering College, Erode on 19 October 2020.

EEE | AICTE SPONSORED STTP (SERIES:01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES

The Dept. of EEE organised the AICTE Sponsored STTP (Series: 01) Session 3 on **"V2G and G2V Technologies"** facilitated by Dr Umashankar Subramaniam, Associate Professor, Renewable Energy Lab, Prince Sultan University, Riyadh, Saudi Arabia on 20 october 2020.

EEE | AICTE SPONSORED STTP (SERIES:01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES

The Dept. of EEE organised the AICTE Sponsored STTP (Series:01) Session 4 on **"Protection and Safety Measures for Electric Vechicles and Hybrid Electric Vechicles"** facilitated by Dr A Athif Shah, Chairman and Managing Director, ABE Semiconductors Design, Chennai on 20 October 2020.

EEE | AICTE SPONSORED STTP (SERIES: 01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES

The Dept. of EEE organised the AICTE Sponsored STTP (Series: 01) Session 5 on **"Recent Developments and Study of Power Electronic Converters in Electric Vehicles"** facilitated by Dr N Prabhakaran, Associate Editor of IET Renewable Power Generation and IEEE Access on 21 October 2020.

EEE | AICTE SPONSORED STTP (SERIES: 01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES

The Dept. of EEE organised the AICTE Sponsored STTP (Series: 01) Session 6 on **"Emerging Trends on Energy Storage/Battery Management"** facilitated by Dr Hina Fathima, Lead Engineer, Ford Motor Company, Chennai on 21 October 2020.

EEE | AICTE SPONSORED STTP (SERIES: 01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES

The Dept. of EEE organised the AICTE Sponsored STTP (Series: 01) Session 7 on **"Solution of Electric Vehicle Challenges using IoT"** facilitated by Mr Raja Rajan Elango, Founder of Bluetronics, Bangalore on 22 October 2020.

EEE | AICTE SPONSORED STTP (SERIES: 01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES
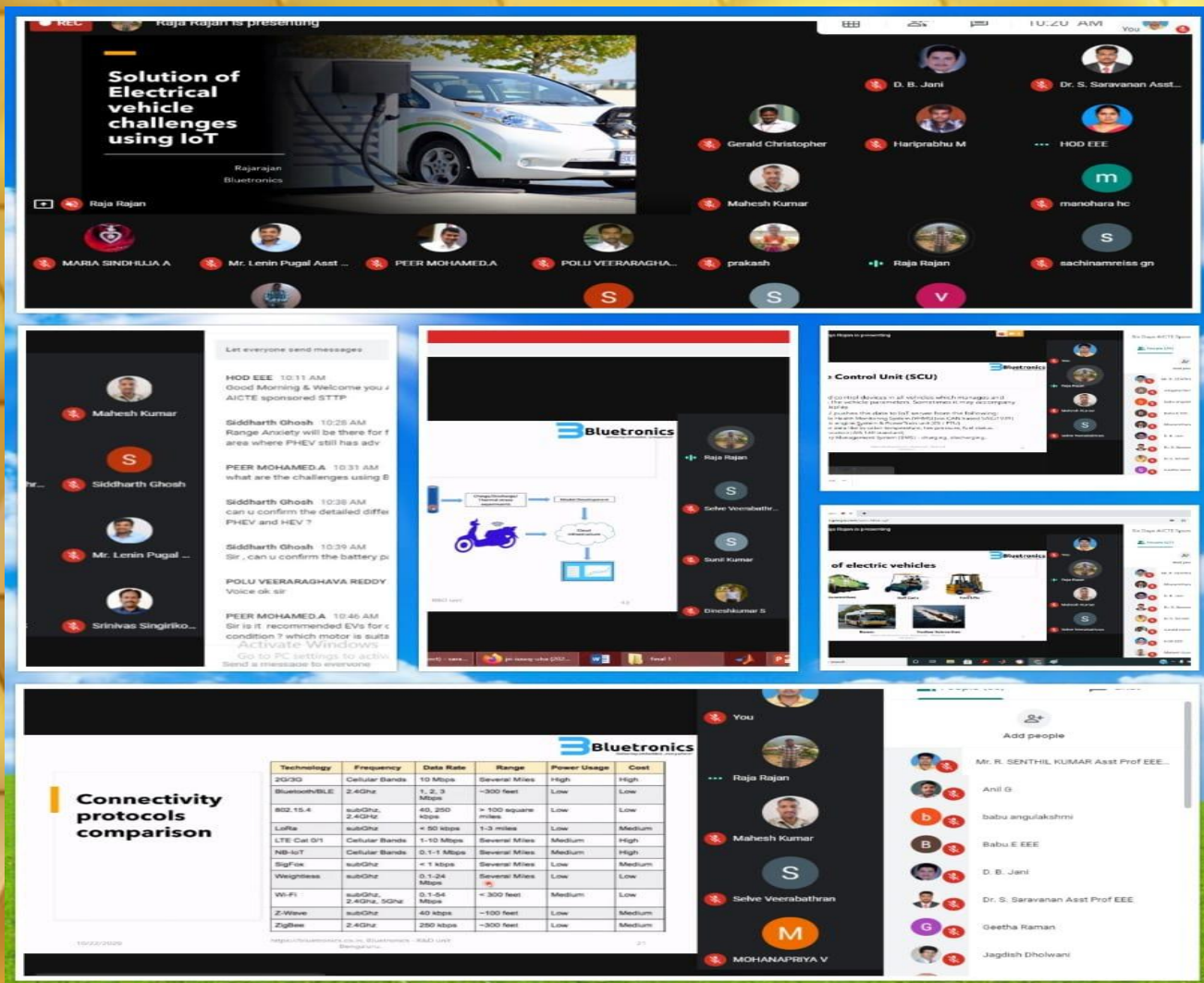
The Dept. of EEE organised the AICTE Sponsored STTP (Series: 01) Session 8 on **"Renewable Energy Utilization in Electric Vechicles Charging Station"** facilitated by Mr D Saravana Prakash,Architect and System Engineer for EV Charging Systems, Robert Bosch Engineering and Business Solution, Coimbatore. on 22 October 2020.
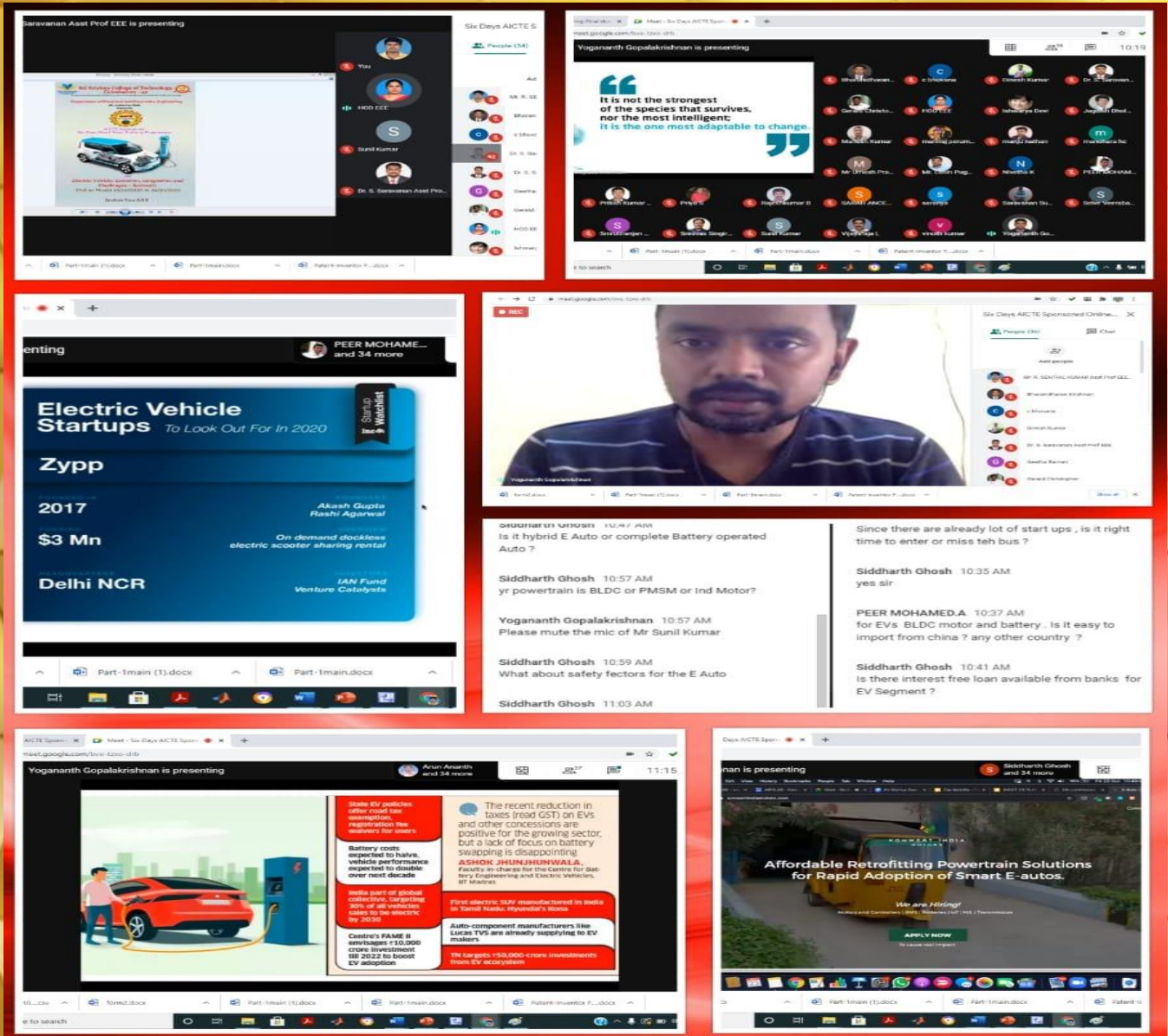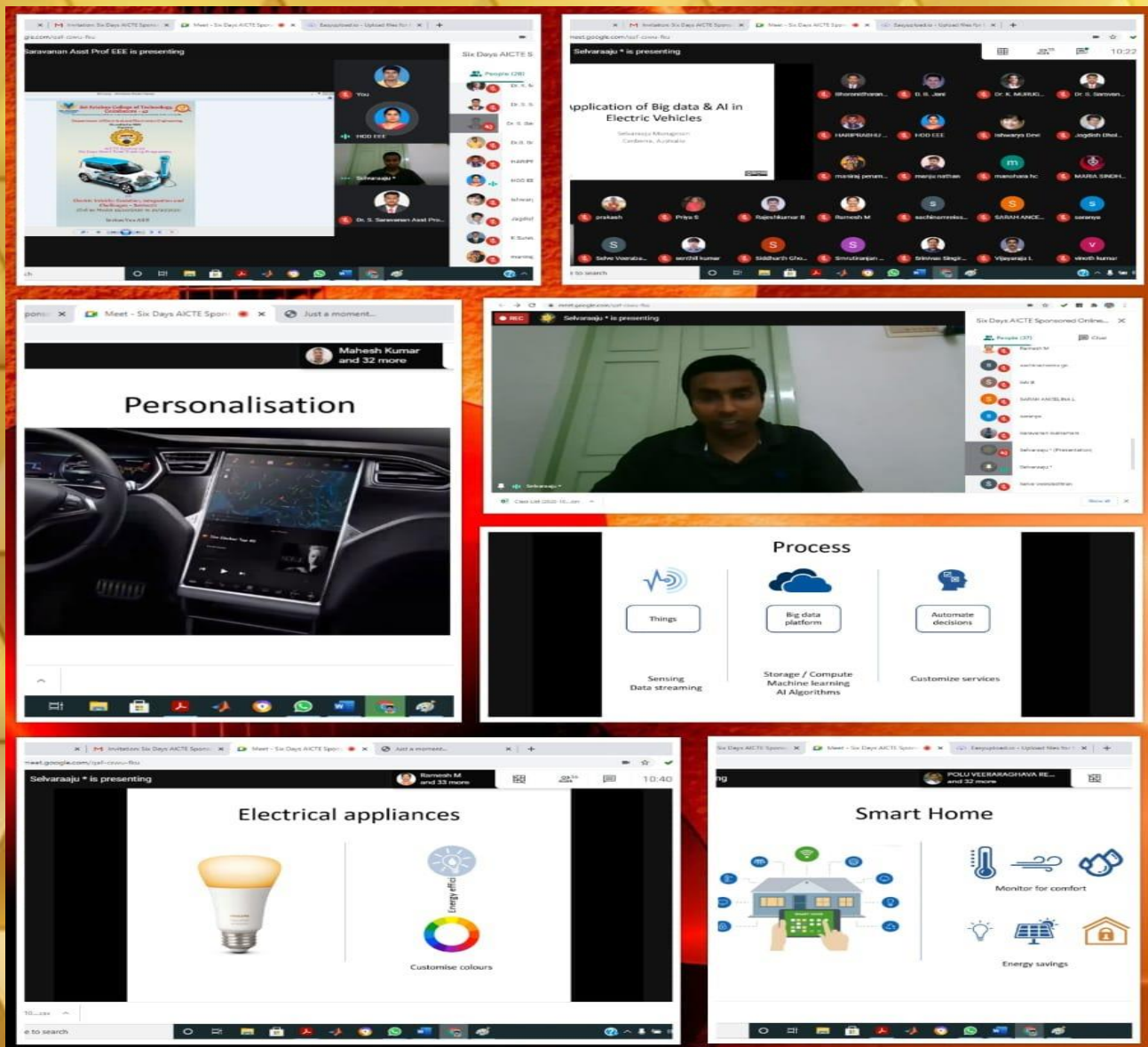
EEE | AICTE SPONSORED STTP (SERIES: 01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES

The Dept. of EEE organised the AICTE Sponsored STTP (Series: 01) Session 9 on **"Start-up Opportunities in Electric Vehicle Sector"** facilitated by Mr Yogananth Gopalakrishnan, Head - Incubation & Programs, ARTILAB Foundation, Bangalore on 23 October 2020.
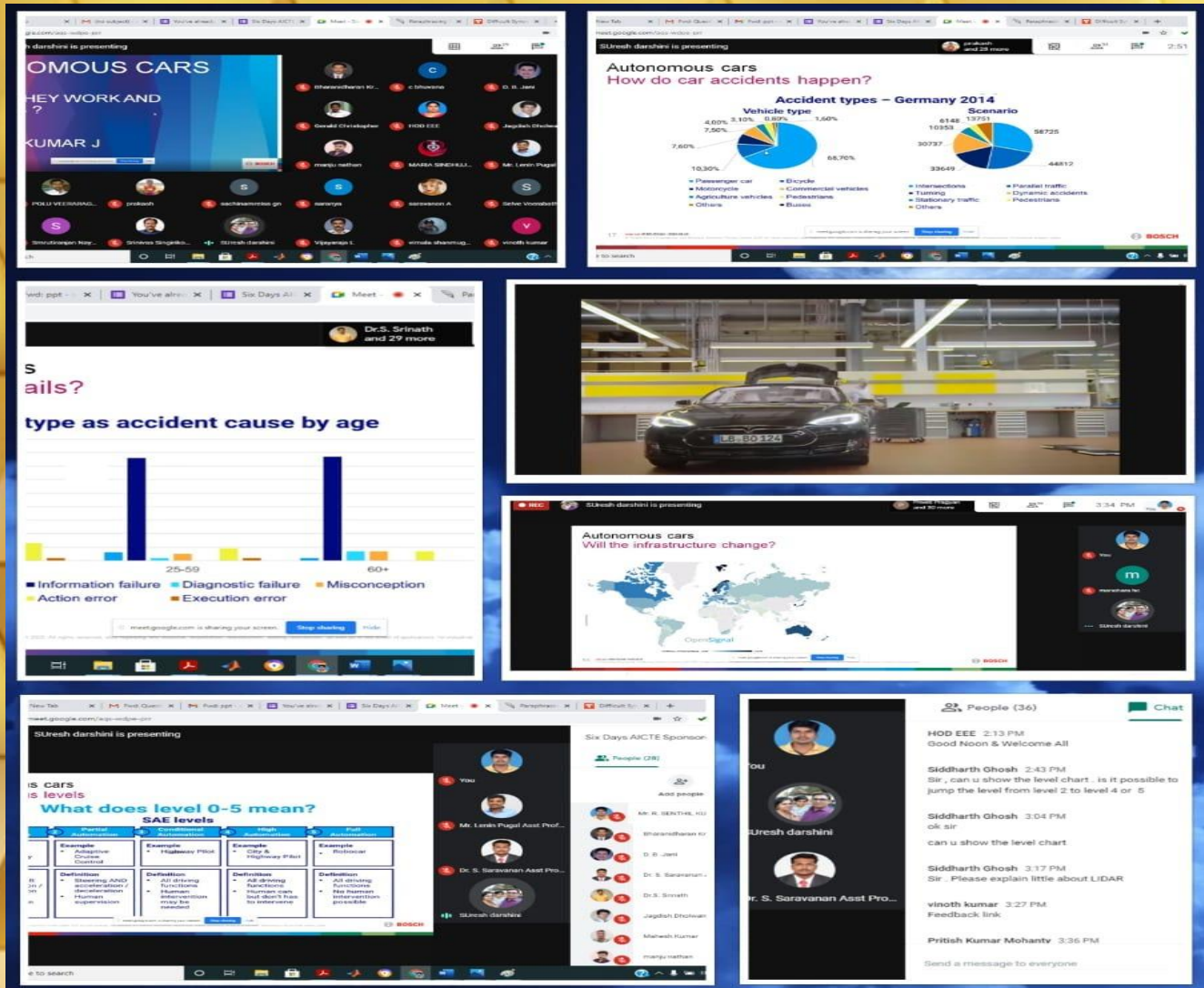
EEE | AICTE SPONSORED STTP (SERIES: 01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES

The Dept. of EEE organised the AICTE Sponsored STTP Program (Series: 01) Session 10 on **"Implementation of Vector Control Schemes for Motor Drive"** facilitated by Mr Arun Shankar, Research and Development, Danfoss a/s Drives, on 23 October 2020.

EEE | AICTE SPONSORED STTP (SERIES: 01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES

The Dept. of EEE organised the AICTE Sponsored STTP (Series: 01) Session 11 on **"Application of AI and Bigdata in Electric Vehicles"** facilitated by Dr M Selvaraju, Senior Director, Data Analyst, ACT Government, Canberra, Australia on 24 October 2020.

EEE | AICTE SPONSORED STTP (SERIES: 01) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES

The Dept. of EEE organised the AICTE Sponsored STTP (Series: 01) Session 12 on **"Technological Evolution and Implementation of Modern Tools in Autonomous Electric Vehicle"** facilitated by Mr J Suresh Kumar, Senior Architect, Instrument Cluster, Robert Bosch, Coimbatore on 24 October 2020.

CSE | FDP ON DEEP LEARNING IN IMAGE AND COMPUTER VISION APPLICATIONS
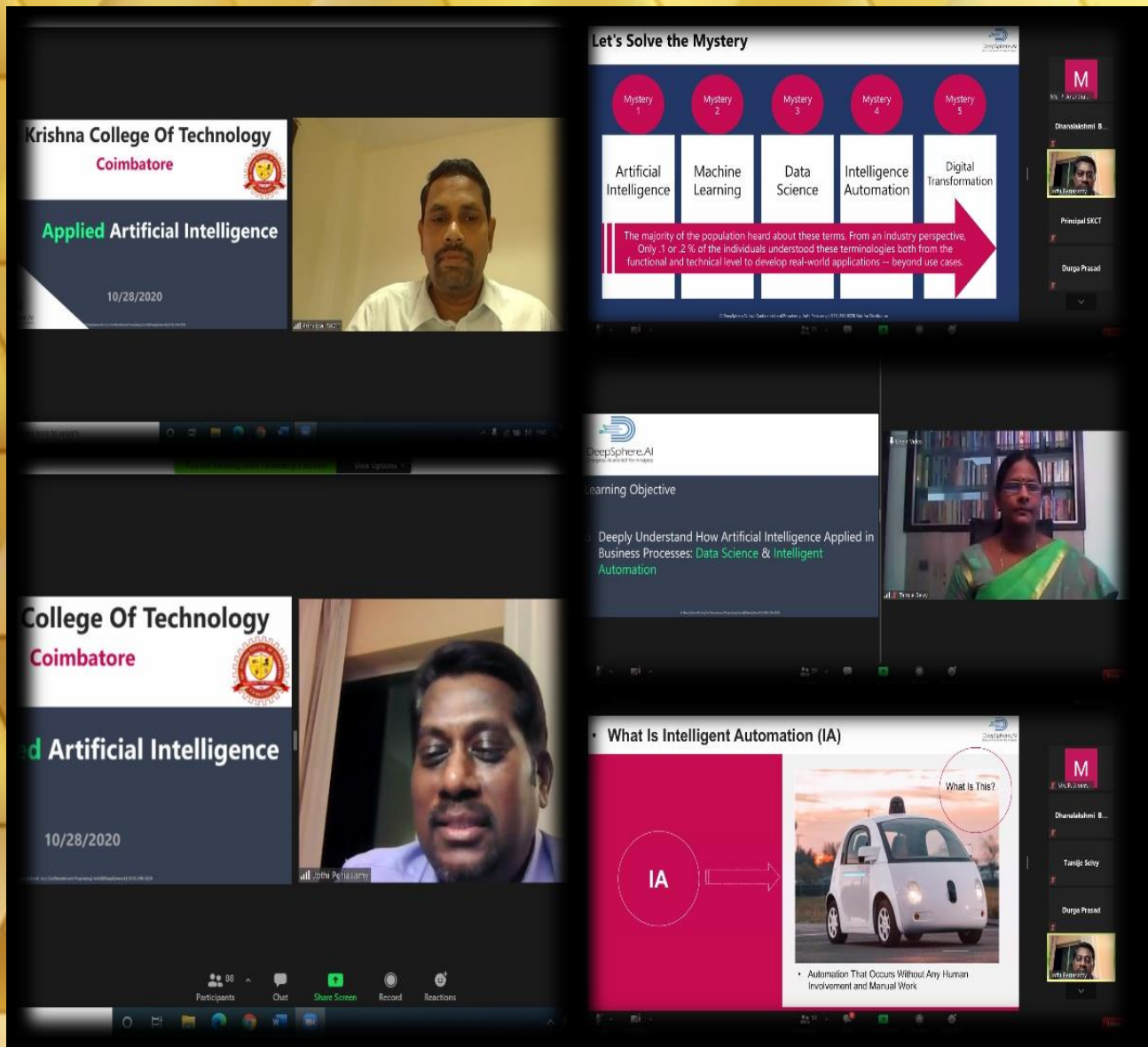
The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on "**Deep Learning in Image and Computer Vision Applications"** during 28 October-10 November 2020. Mr Jothi Periasamy, Chief Data Scientist, University of California, USA, facilitated the Forenoon Session on 28 October 2020.

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

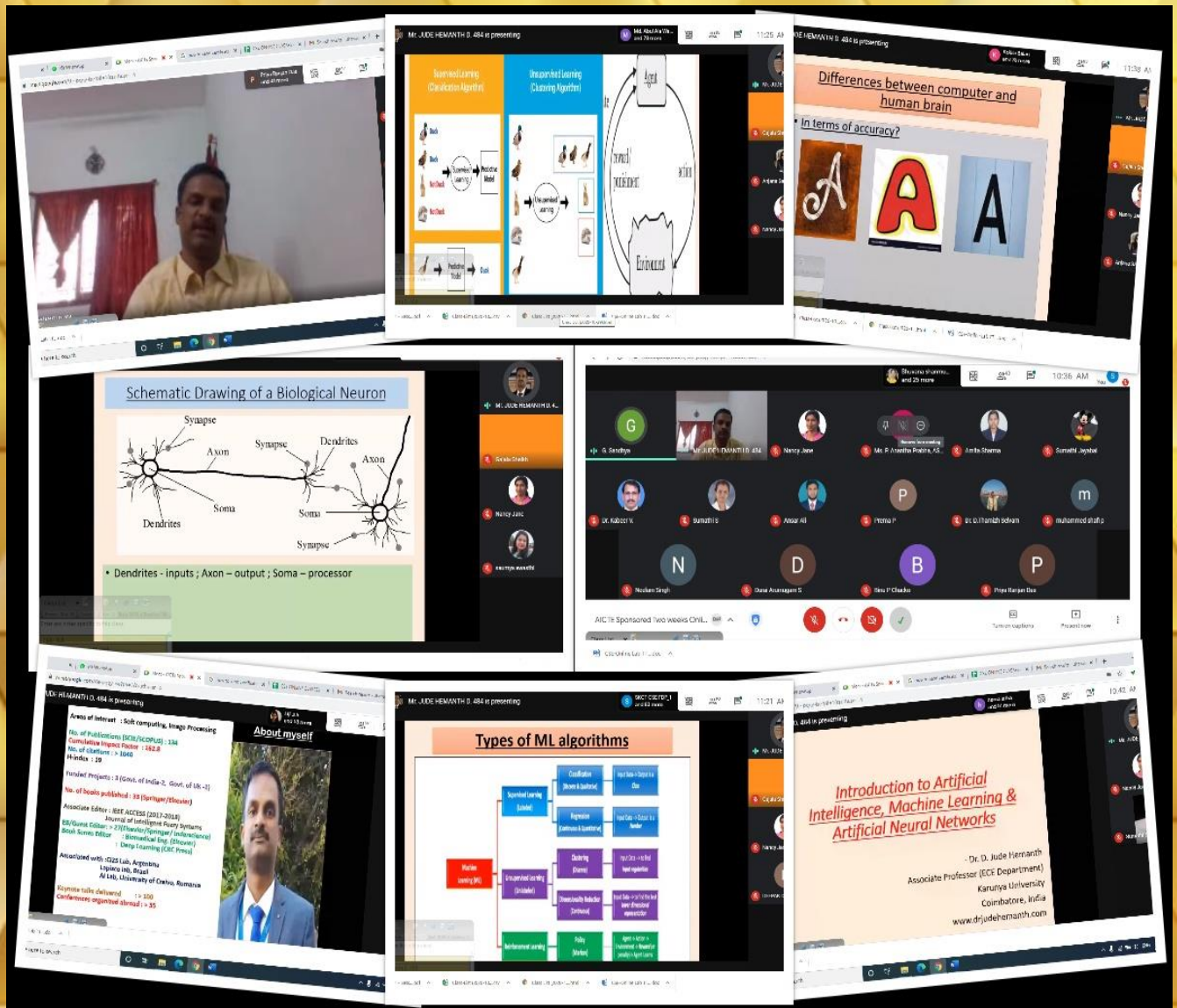The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on "**Deep Learning in Image and Computer Vision Applications**" during 28 October-10 November 2020. Dr R Balasubramanian, Professor, Department of CSE,IIT, Roorkee, facilitated the Afternoon Session on 28 October 2020.

CSE | FDP ON DEEP NEURAL NETWORKS: FOUNDATIONAL CONCEPTS, MODELS

The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on "**Deep Neural Networks: Foundational Concepts, Models"** during 28 October-10 November 2020. Dr Jude Hemanth, Assoc. Professor, Dept. of ECE, Karunya University, Coimbatore, facilitated the Forenoon Session on 29 October 2020.

CSE | FDP ON MACHINE LEARNING PROGRAMMING - HANDS-ON

The Dept. of CSE has been organising the AICTE sponsored Two-week Faculty Development Programme on "**Machine Learning Programming - Hands-on"** during 28 October-10 November 2020. Dr J Jenkin Winston, Assistant Professor, Dept. of ECE, Karunya University, Coimbatore, facilitated the Afternoon Session on 29 October 2020.

SPECIAL ISSUE 23

NEW VISTAS OF LEARNING
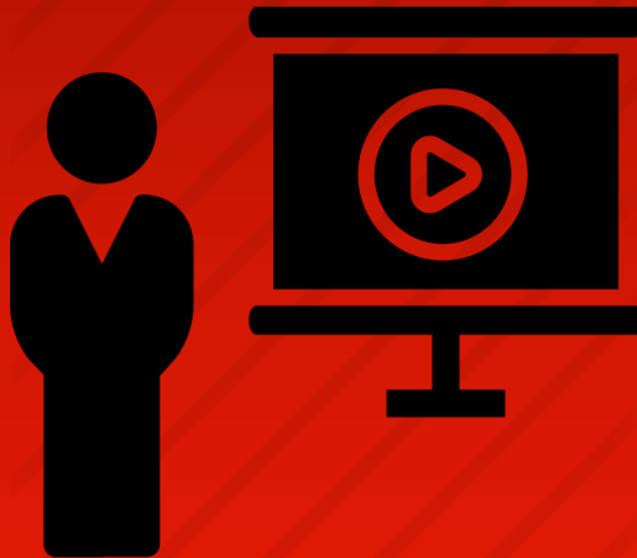
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ECE | WEBINAR ON CURRENT EDUCATION AND RESEARCH PRACTICES

Dr K Sumathi, Professor and Dr K Srinivasan, Assoc. Professor, Dept. of ECE, attended a Special Talk on **"Current Education and Research Practices"** organised by Tesla Minds on 15 October 2020.

ECE | WEBINAR ON ELECTRICALLY SMALL ANTENNAS: CHALLENGES AND SOLUTIONS

Ms Dhivya Priya E L, Asst. Professor, Dept. of ECE, attended a webinar on **"Electrically Small Antennas: Challenges and Solutions"** organised by Government Engineering College Barton Hill, Thiruvananthapuram on 19 September 2020.

CIVIL | WEBINAR ON LIQUEFACTION- CASE STUDY AND REMEDIAL MEASURES

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
Accredited with 'A' grade by NAAC
Coimbatore -641032

DEPARTMENT OF CIVIL ENGINEERING

Certificate of Participation

This is to certify that

Dr.SREEVIDYA.V
of
SRI KRISHNA COLLEGE OF TECHNOLOGY

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
Accredited with 'A' grade by NAAC
Coimbatore -641032

DEPARTMENT OF CIVIL ENGINEERING

Certificate of Participation

This is to certify that

RAMESH R
of
Sri Krishna College of Technology

has participated in the National Webinar Program,
LIQUEFACTION – Case studies and Remedial Measures
During 24.10.2020

Co-ordinators
Mr. R. Senthil Kumar, Assistant Professor
Mrs. K. Saraswathi, Assistant Professor

Convenor
Dr. K. Akil
HOD, Civil Engineering

Made for free with Certify'em

Dr V Sreevidya, Assoc. Professor and Mr R Ramesh, Asst. Professor, Dept. of Civil Engineering, attended a webinar on "**Liquefaction-Case Study and Remedial Measures**" organised by Hindusthan College of Engineering and Technology, Coimbatore on 24 October 2020.

ECE | WEBINAR ON ROLE OF MTT-S VOLUNTEER IN SHAPING FUTURE OF ENGINEERING STUDENTS POST COVID-19

Ms Dhivya Priya E L, Asst. Professor, Dept. of ECE, attended a webinar on **"Role of MTT-S Volunteer in Shaping Future of Engineering Students Post COVID-19"** organised by Government Engineering College Barton Hill, Thiruvananthapuram on 17 September 2020.

CIVIL | WEBINAR ON THE ARCHITECTURAL, ENGINEERING AND CONSTRUCTION INDUSTRY 4.0

Dr M Lenin Sundar, Professor, Dept. of Civil Engineering, attended an International webinar on **"The Architectural, Engineering and Construction Industry 4.0"** organised by Jaipur Engineering College and Research Centre, Jaipur on 22 October 2020.
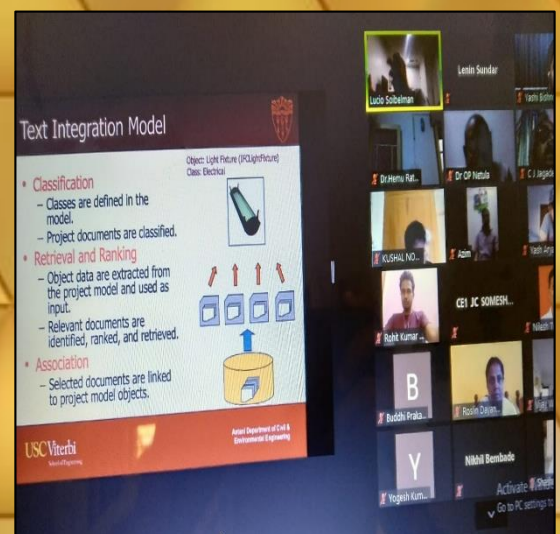
SPECIAL ISSUE 23

FDPs ATTENDED


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ECE | STTP ON INTEGRATIVE INTERNET OF THINGS AND DEEP LEARNING FOR SMART HEALTHCARE

Dr K Sumathi, Professor, Dept. of ECE, attended the AICTE-AQIS online STTP on **"Integrative Internet of Things and Deep learning for Smart Healthcare Series I"** organised by KPR Institute of Engineering and Technology, Coimbatore during 19-24 October 2020.

ECE | ATAL FDP ON PHOTONICS
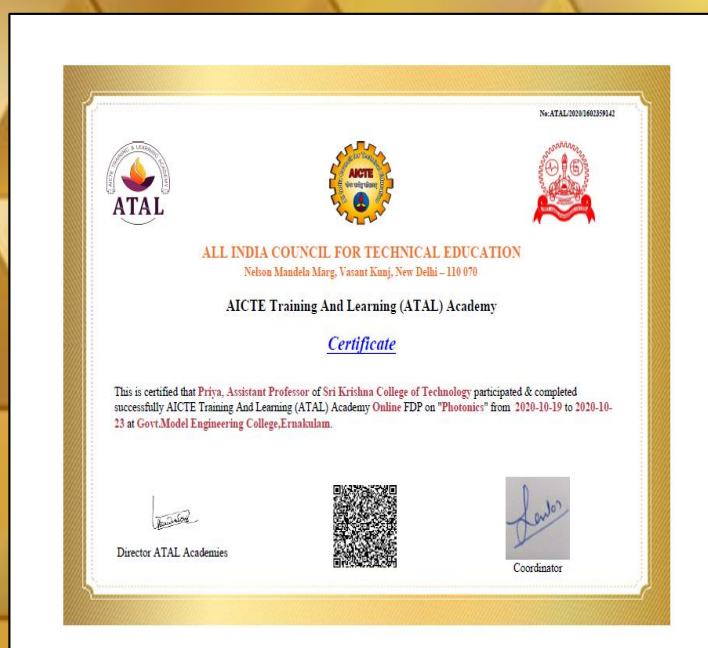
Ms R Priya, Asst. Professor, Dept. of ECE, attended an FDP on **"Photonics"** organised by Government Model Engineering College, Ernakulam during 19-23 October 2020.
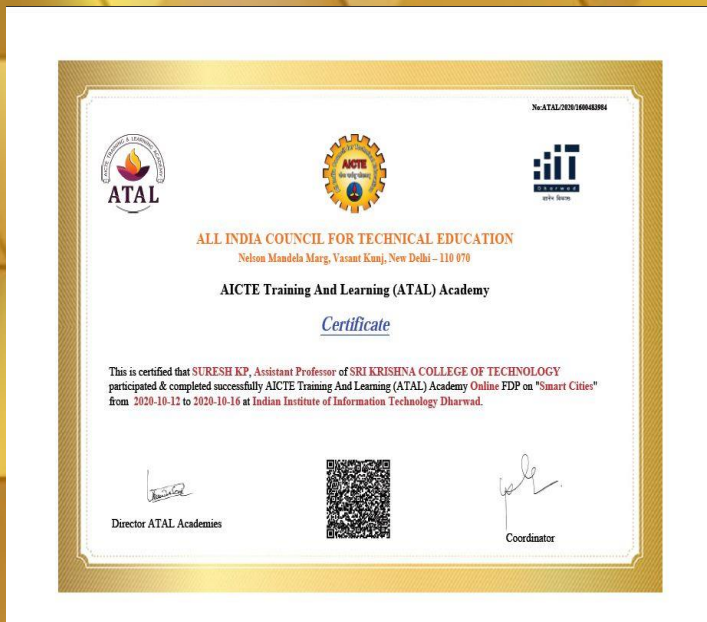
CSE | FDP ON SMART CITIES

Ms G Sandhya, Asst. Professor, Dept. of CSE, attended the ATAL Academy Online Faculty Development Programme on **"Smart Cities"** organised by Kumuraguru College of Technology, Coimbatore during 19-23 October 2020.

EEE | FDP ON SMART CITIES

Dr K P Suresh, Asst. Professor, Dept. of EEE, attended the AICTE Training and Learning (ATAL) Academy Online FDP on **"Smart Cities"** organised by Indian Institute of Information Technology, Dharwad during 12-16 October 2020.

CSE | FDP ON BLOCK CHAIN

No:ATAL/2020/1597344358

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 Kavitha Margret M, Assistant Professor of Sri Krishna College of Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Block chain" from 2020-10-19 to 2020-10-23 at Viswajyothi College Of Engineering And Technology.

Director ATAL Academies

Coordinator

Ms M Kavitha Margret, Asst. Professor, Dept. of CSE, attended the ATAL Academy Online Faculty Development Programme on "**Block Chain**" organised by Viswajyothi College of Engineering And Technology, Kerala during 19-23 October 2020.

ECE | FDP ON RF DEVICES FOR 5G COMMUNICATIONS & MEASURING INSTRUMENTS

ENTUPLE TECHNOLOGIES

Λnritsu envision : ensure

CERTIFICATE OF PARTICIPATION

This is to certify that Prof. _Dr.K.sumathi_ has participated in our Online Five Days FDP on "RF devices for 5G Communications & Measuring Instruments" from October 12,2020 to October 16,2020 organized in association with dept of ECE (NBA Accredited) K.Ramakrishnan College of Technology.

We wish her all the very best for their Career ahead!

K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
Affiliated to Anna University Chennai, Approved by AICTE New Delhi,
ISO 9001:2015 Certified Institution, Accredited with 'A+' grade by NAAC

Samayapuram, Tiruchirappalli – 621 112, Tamilnadu, India.

Dr K Sumathi, Professor, Dept. of ECE, attended a Five-day online FDP on **"RF Devices for 5G Communications & Measuring Instruments"** organised by Entuple Technologies in association with K Ramakrishnan College of Technology, Tiruchirappalli during 12-16 October 2020.

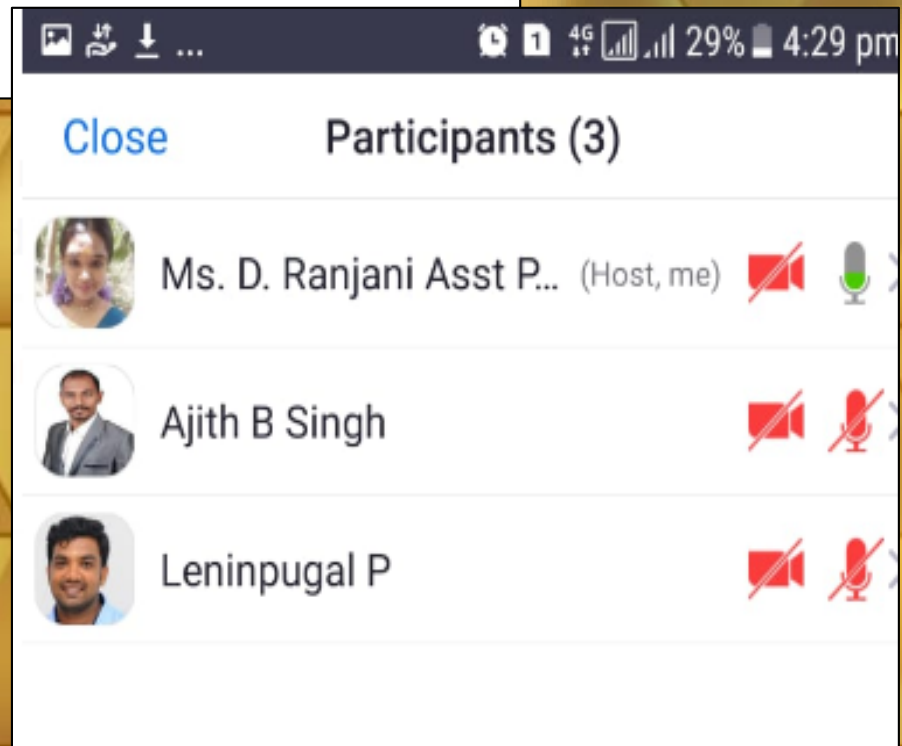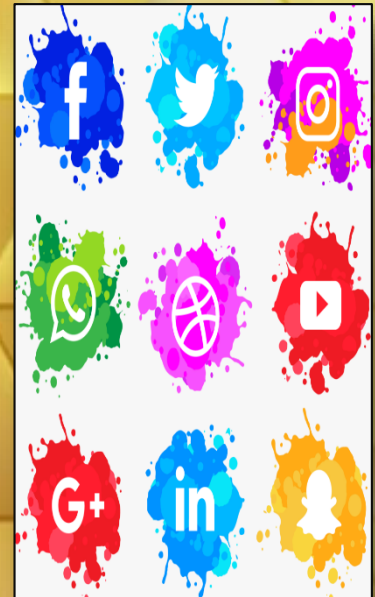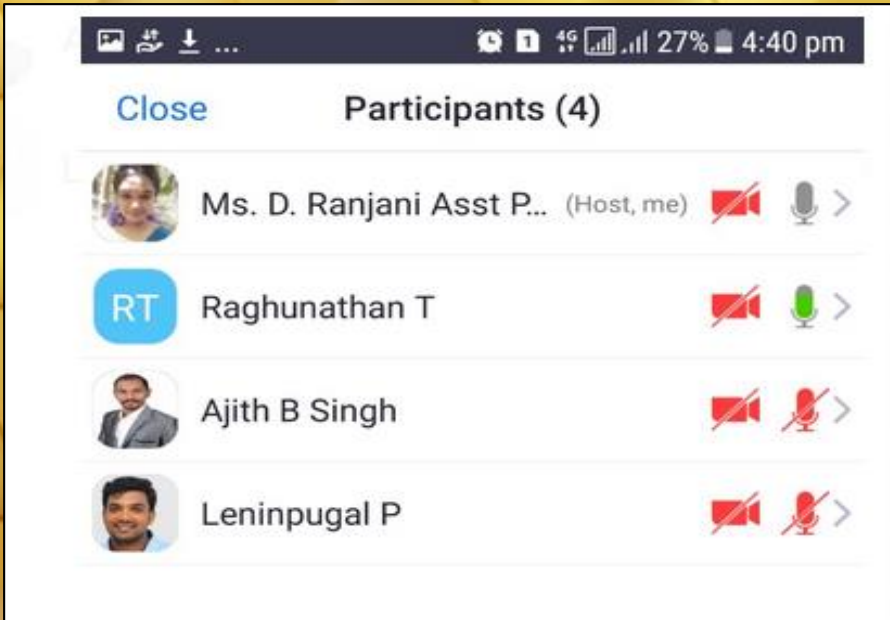## SPECIAL ISSUE 23

MEETINGS & DISCUSSIONS

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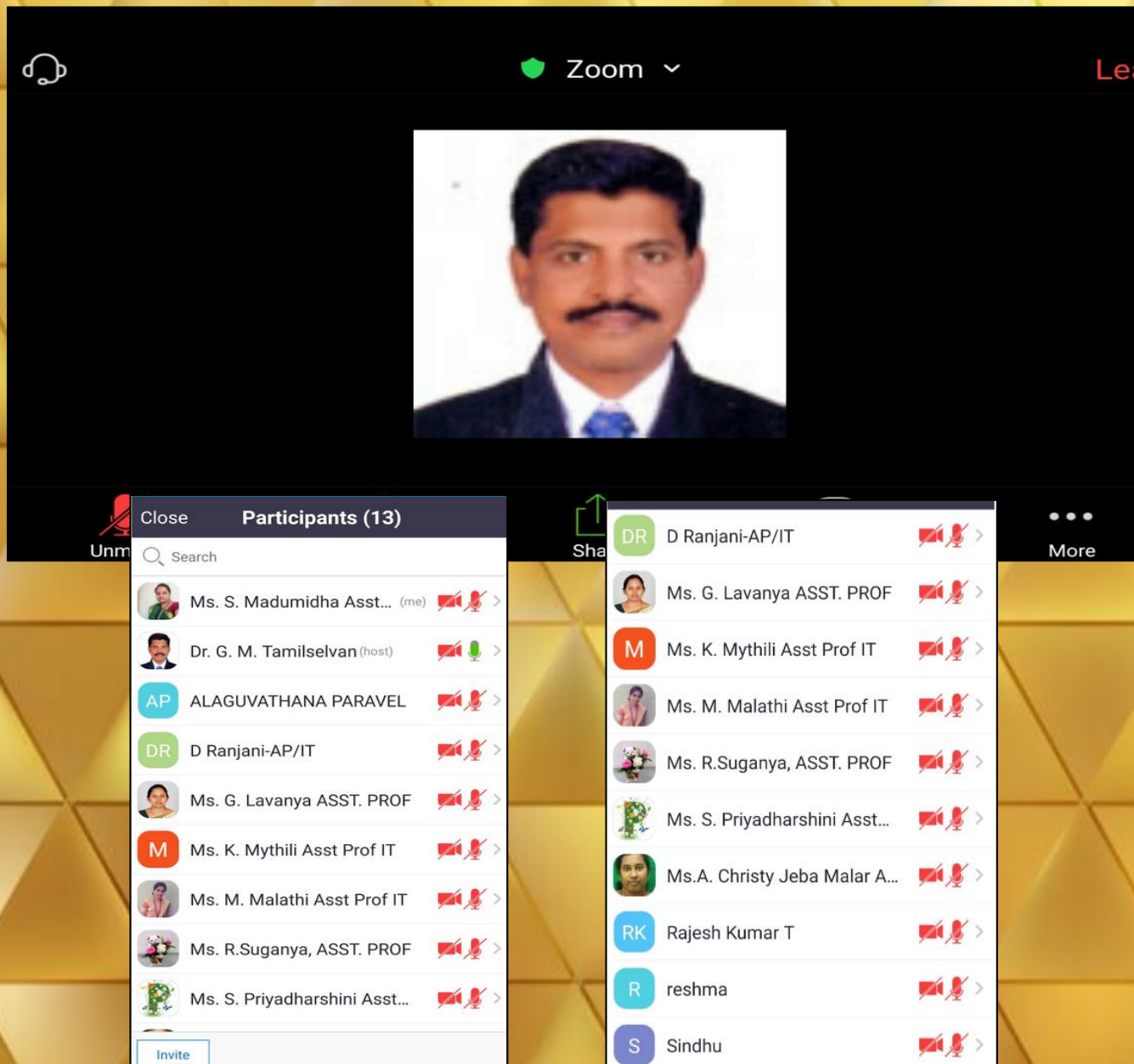
digestfeedback@skct.edu.in

IT | SOCIAL MEDIA MEETING

Ms D Ranjani, Asst. Professor, Dept. of IT, conducted a meeting with Social Media Coordinators on 26 October 2020.
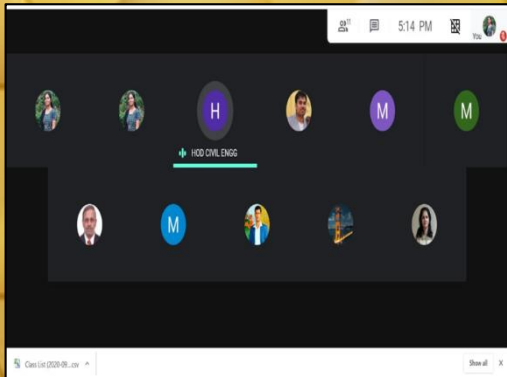
IT | DEPARTMENT MEETING

Dr G M Tamilselvan, Professor and Head Incharge, Dept. of IT, conducted a meeting with the Members of Faculty regarding the Academic Progress, Research Progress, Proposals, Placements, Webinar etc. on 26 October 2020.
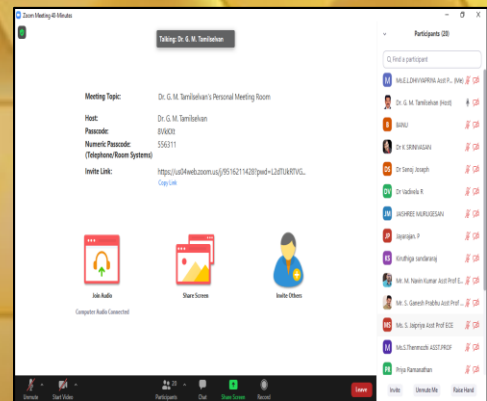
CIVIL | DEPARTMENT MEETING

Dr I Padmanaban, Professor and Head, Dept. of Civil Engineering, conducted a meeting with the Members of Faculty regarding the Academic Progress, Lab Session and Project Proposals on 26 October 2020.
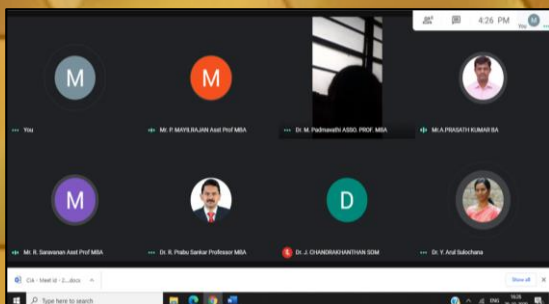
ECE | DEPARTMENT MEETING

Dr G M Tamilselvan, Professor and Head Incharge, Dept. of ECE, conducted a meeting with the Members of Faculty regarding the Students' Participation in Online Contests, Placement Activities and Research Activities on 27 October 2020.

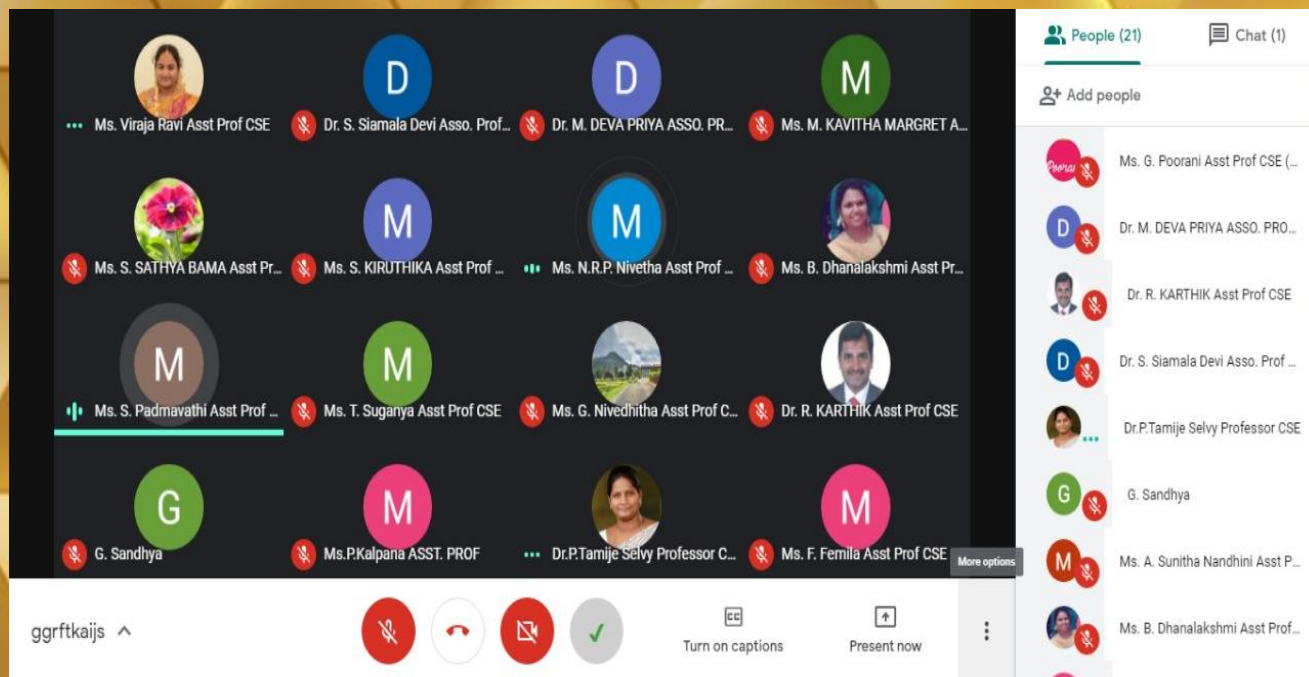## SoM | DEPARTMENT MEETING

Dr M Padmavathi, Assoc. Professor and Head, SoM, conducted a meeting with the Members of Faculty regarding CIA II, Internal Assessment, Placement Activities, Research Progress etc. on 29 October 2020.
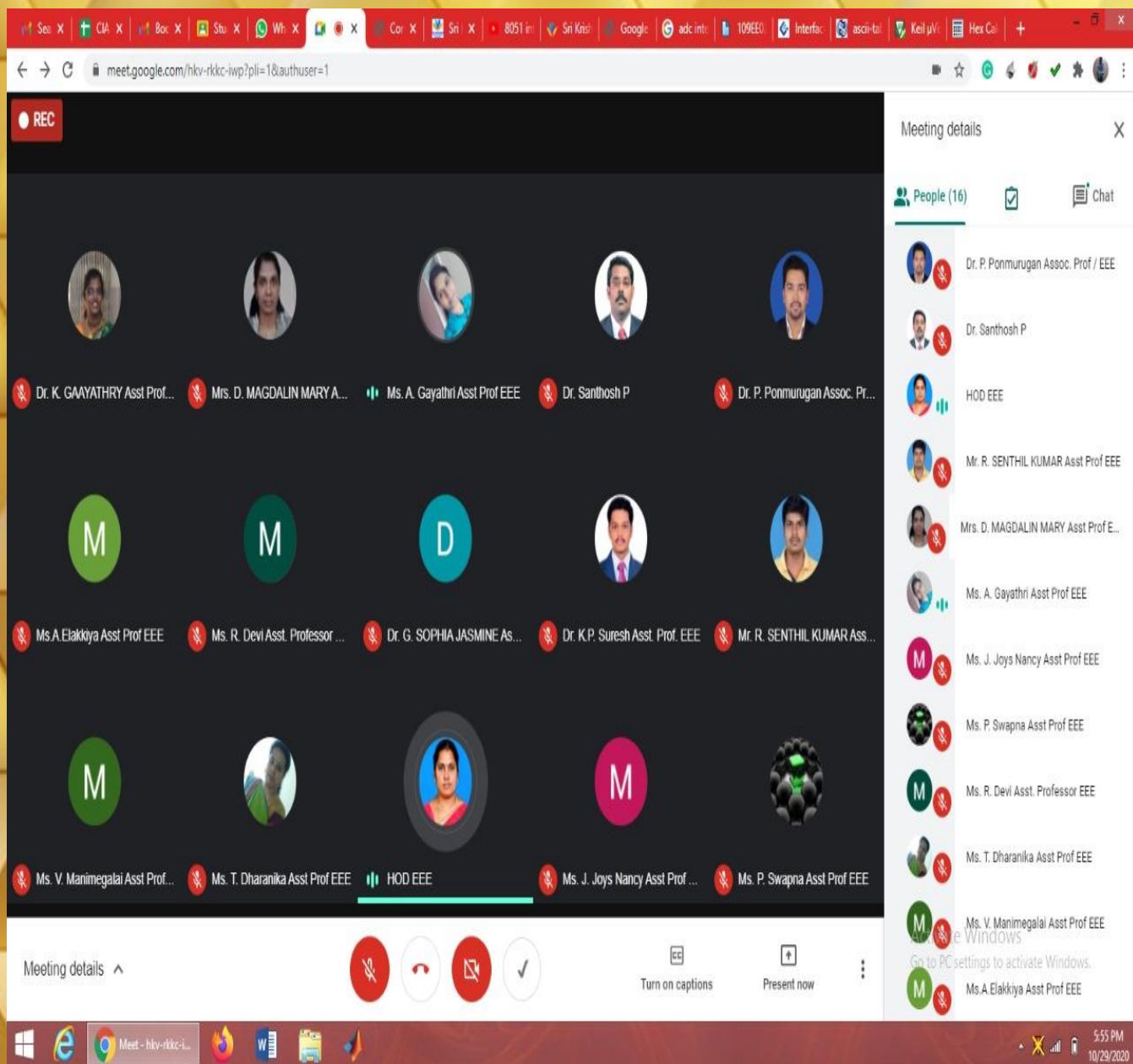
CSE | DEPARTMENT MEETING

Dr P Tamije Selvy, Professor, Dept. of CSE, conducted a Meeting with the Members of Faculty regarding the Academic Activities and Placement Progress on 24 October 2020.

EEE | DEPARTMENT MEETING

Dr K Lakshmi, Professor and Head, Dept. of EEE, conducted a meeting with the Members of Faculty regarding the Progress of Placement Activities, Academic Activities, Virtual Labs, R&D Activities on 29 October 2020.

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STUDENTS' ACTIVITY

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IT | STUDENT'S EXTRACURRICULAR ACTIVITY

A picture is worth a thousand words….

Ms Rithika M, Student of Second B.Tech. IT B Section.

This Eid, may Allah bless you with good health and happiness. Eid Milad-Un-Nabi Mubarak

Thank you !