SKCT DIGEST

SPECIAL ISSUE - 27

23 - 27 NOVEMBER 2020

SRI KRISHNA INSTITUTIONS COIMBATORE

WEEKEND SPECIAL

EDITOR - IN - CHIEF

Dr Srinivasan Alavandar, Principal

EDITORIAL TEAM

Ms S Soundarya, CSE

Ms S Thenmozhi, ECE

Ms B Pavithra, S&H

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SIH RESULTS

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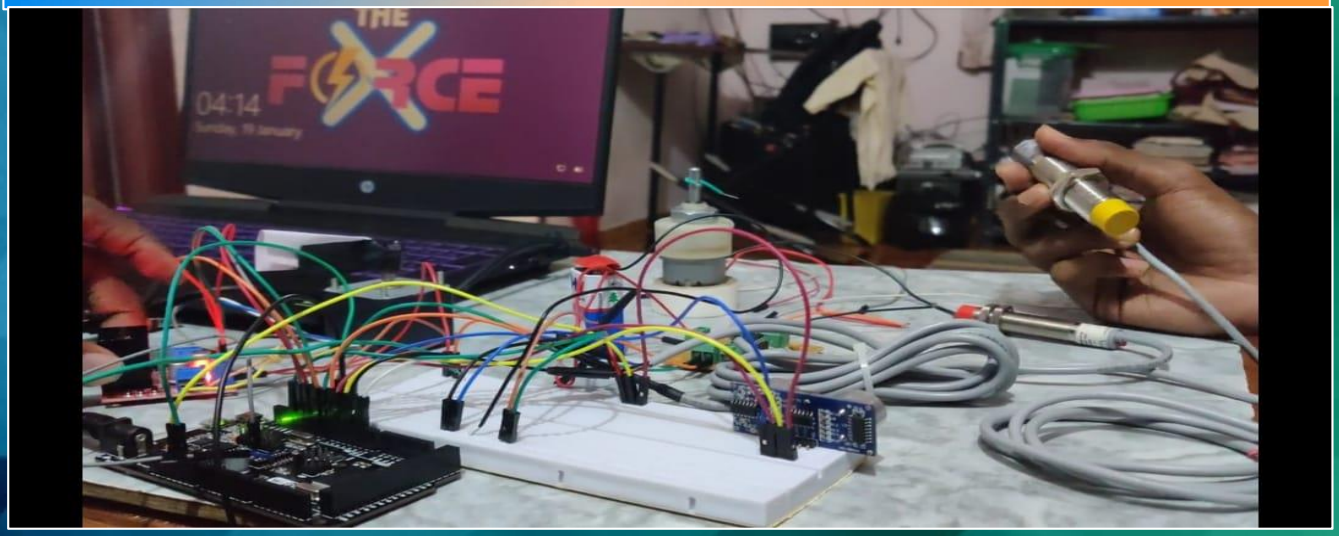
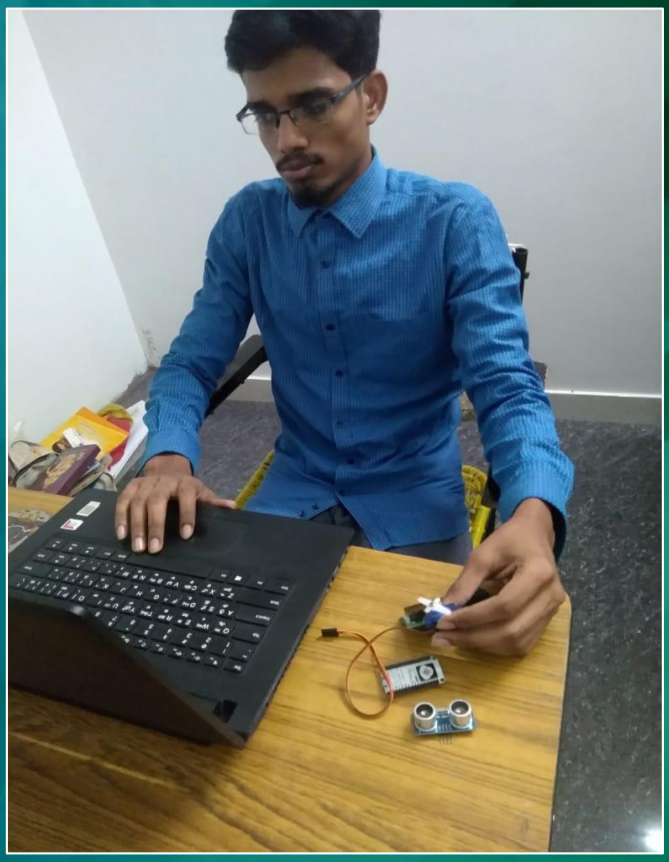
ECE | SMART INDIA HACKATHON (SIH)

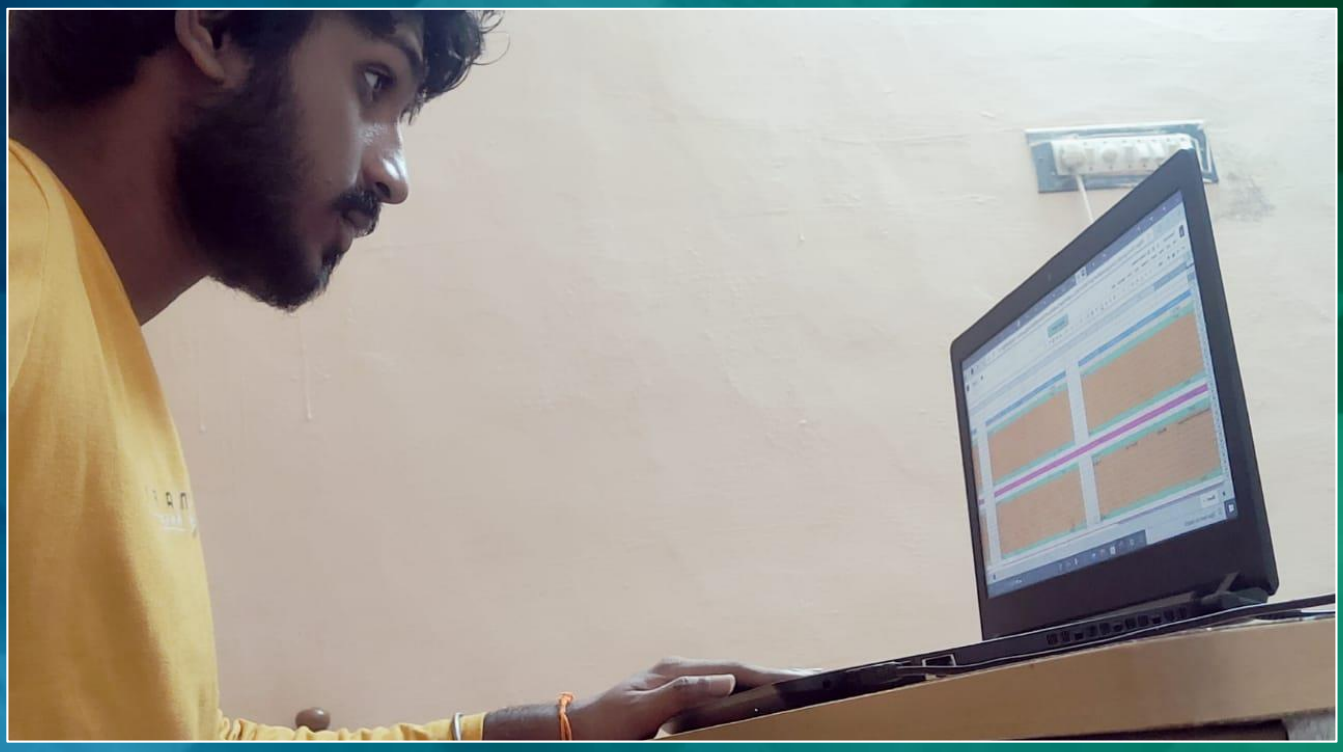


Mr Manikandan, Mr Nishanth M K, Mr Kiran Seshi M, Ms Aarthi U S, Mr Premkumar R and Mr Vishalrajan S, Students of B.E. ECE, has been shortlisted for L3E Round of "**Smart India Hackathon (SIH) Hardware Edition 2020".** Mr S Ganesh Prabhu, Asst. Professor, Dept. of ECE, mentored the students.

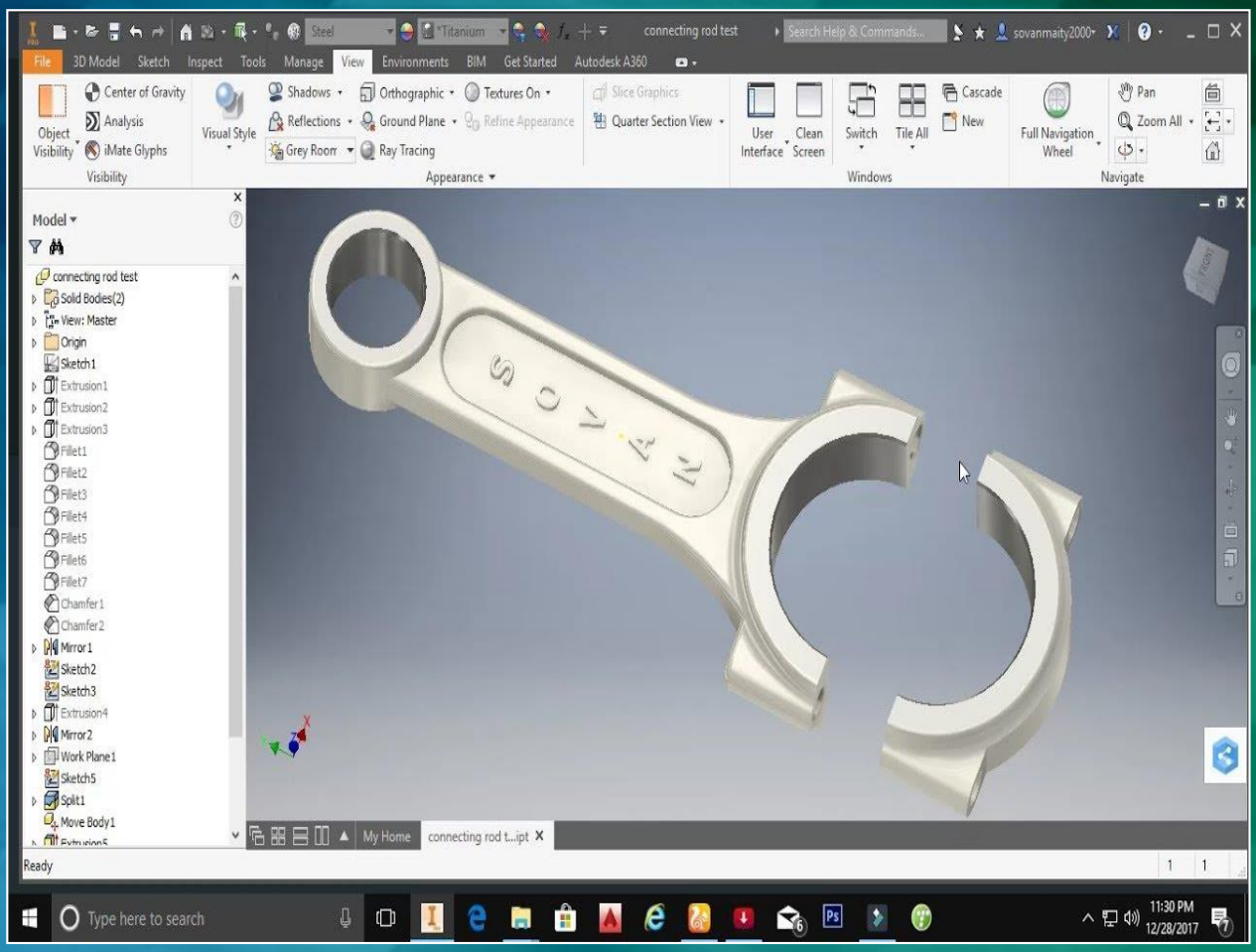
ECE | SMART INDIA HACKATHON (SIH)



ECE | SMART INDIA HACKATHON (SIH)



MECH | SIH HARDWARE DIVISION

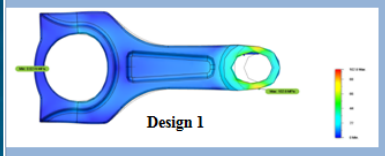


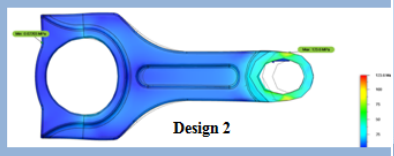
Mr R Dheenasagar, Mr K Dharneesh, Ms V Udhayarani, Mr S Devsibi, Mr S Sujith and Ms M Pooja Sree, Students of Final B.E. Mechanical Engineering, presented their idea on **"Autodesk - Design and Manufacturing of Connecting Rod"** in SIH Hardware Section. Dr P Prathap, Professor and Head, Dept. of Mechanical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

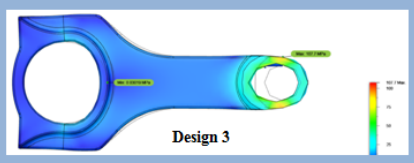
MECH | SIH HARDWARE DIVISION

Test results

Design Number	Material	Stress Von misses (Mpa)	Displacement	Factor of safety	Mass of the connecting rod assembley (gms)
1	Aluminium 7075	102 Mpa	0.01326 mm	1.35	271 gms
2	Aluminium 7075	123.6 Mpa	0.0146 mm	1.26	282 gms
3	Aluminium 7075	107.7 Mpa	0.157 mm	1.34	298 gms







Stress Analysis of connecting rods

RODIC

SIH -2020

Problem statement: Design and manufacturing of connecting rod
Technology Bucket: Miscellaneous
Company name: Autodesk
Problem Code: BN148
Team Leader Name: R Dheenasagar

Category: Hardware
AICTE application id: 1-4262197640
College code: 1-3643021

Team Name: Rodic

Problem Description:

- To manufacture a connecting rod using Autodesk fusion 360 to program the CNC machine
- To generate NC code with machine details and tool library
- To manufacture the metal component using CNC machine and NC code generated for the connecting rod design.

Idea:

•We designed a Billet aluminium 7075 connecting rods using Fusion 360 designing software, for High power four cylinder engines, Racing cart engines and Tuned four cylinder engines For racing purposes
•The Aluminium rod is machined out of two stocks of Aluminium 7075 stocks with a three axis CNC machining
•The simulation is done for the whole manufacturing process with Real time arrangements of machining setup
• We generated NC code for all stages of machining of the manufacturing process using Fusion 360 software

DESIGN NO 1:
OUR OPTIMIZED I BEAM DESIGN

DESIGN NO 2:
I BEAM DESIGN IN MARKET

DESIGN NO 3: RECTANGULAR BEAM DESIGN IN MARKET

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STUDENTS' PARTICIPATION

Student Success

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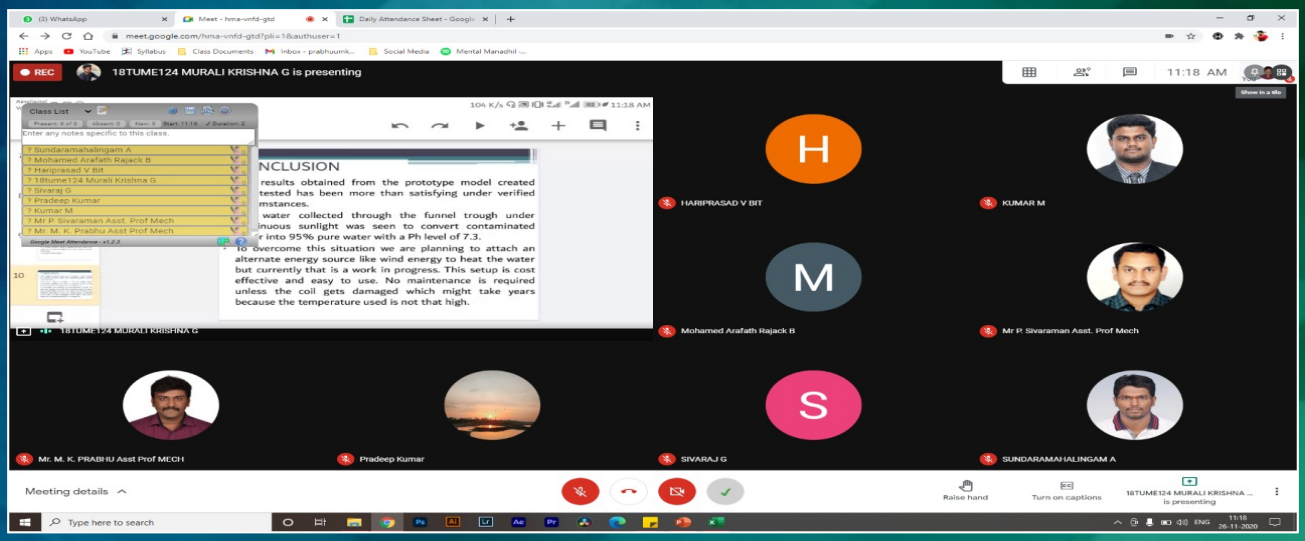
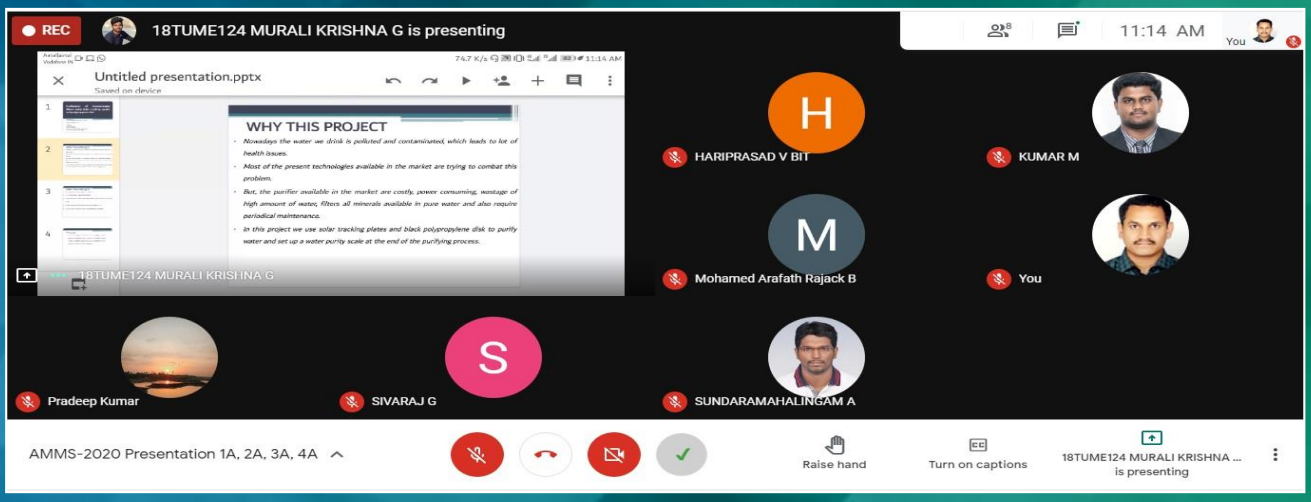
MECH | STUDENTS' PARTICIPATION | NATIONAL CONFERENCE | AMMS 20



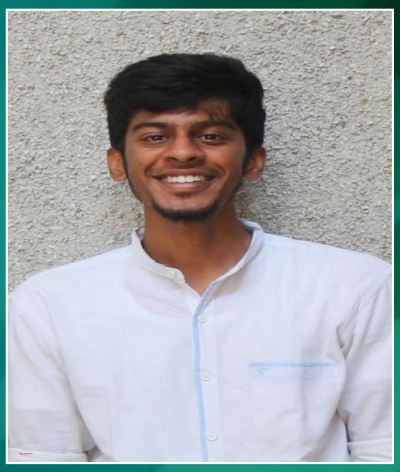


Mr G Murali Krishna and Mr S Pradeep Kumar, Students of Third B.E. Mechanical Engineering, presented a paper on **"Purification of Contaminated Water Using Polypropylene"** in the National Conference organised by Bannari Amman Institute of Technology, Sathymangalam on 26 November 2020. Mr P Sivaraman, Mr M K Prabhu and Mr T Nithyanandhan, Asst. Professors, Dept. of Mechanical Engineering, mentored the students.

MECH | STUDENTS' ACHIEVEMENT | PLACED IN SS ENGINEERING

Mr S Abhijith
Final B.E. Mech.

Mr J Krishnamani
Final B.E. Mech.



Mr K Prajeshvar
Final B.E. Mech.

S.S. ENGINEERING

Mr S Abhijith, Mr J Krishnamani and Mr K Prajeshvar, Students of Final B.E. Mechanical Engineering, have been selected for an **"Internship Programme"** in SS Engineering on 23 November 2020.

MECH | STUDENTS' ACHIEVMENT | SECOND PLACE IN VIRTUAL KOVAI AQUEST 2020

Mr P R Sivaraman and Mr Adwaith Pramod, Students of Final B.E. Mechanical Engineering, secured the Second Place in **"Virtual Kovai Aquest 2020"** organised by SKCT ISHRAE Students Chapter, Dept. of Mechanical Engineering in association with ISHRAE Coimbatore Chapter on 22 November 2020.

ECE | STUDENT'S ACHIEVEMENT | FIRST PRIZE IN ESSAY WRITING

Ms I Sindhuja, Student of Second B.E. ECE, bagged the First Prize in **"Essay Writing"** competition on World Standards Day organised by Bureau of Indian Standards on 14 October 2020.

ECE | STUDENT'S PARTICIAPTION | SLOGAN WRITING

Ms I Sindhuja, Student of Second B.E. ECE, participated in **"Slogan Writing"** competition on World Standards Day organised by Bureau of Indian Standards on 14 October 2020.

S&H | STUDENT CERTIFICATE OF COURSE COMPLETION

CERTIFICATE OF COMPLETION

This is to certify that

HAYAGRIVE ATHRAY K

successfully completed

1 Study in the

Command Line Course

This course covers the fundamentals of the UNIX command line.

Certificate URL: progate.com/course_certificate/58aa5379qkckp7

November 25th 2020

Certification verified by Masa Kato
Founder & CEO at Progate

progate

This is to certify that

Labitha.K.T

successfully completed

1 Study in the

Command Line Course

This course covers the fundamentals of the UNIX command line.

Certificate URL: progate.com/course_certificate/7a174f11qkcy6e

November 25th 2020

Certification verified by Masa Kato
Founder & CEO at Progate

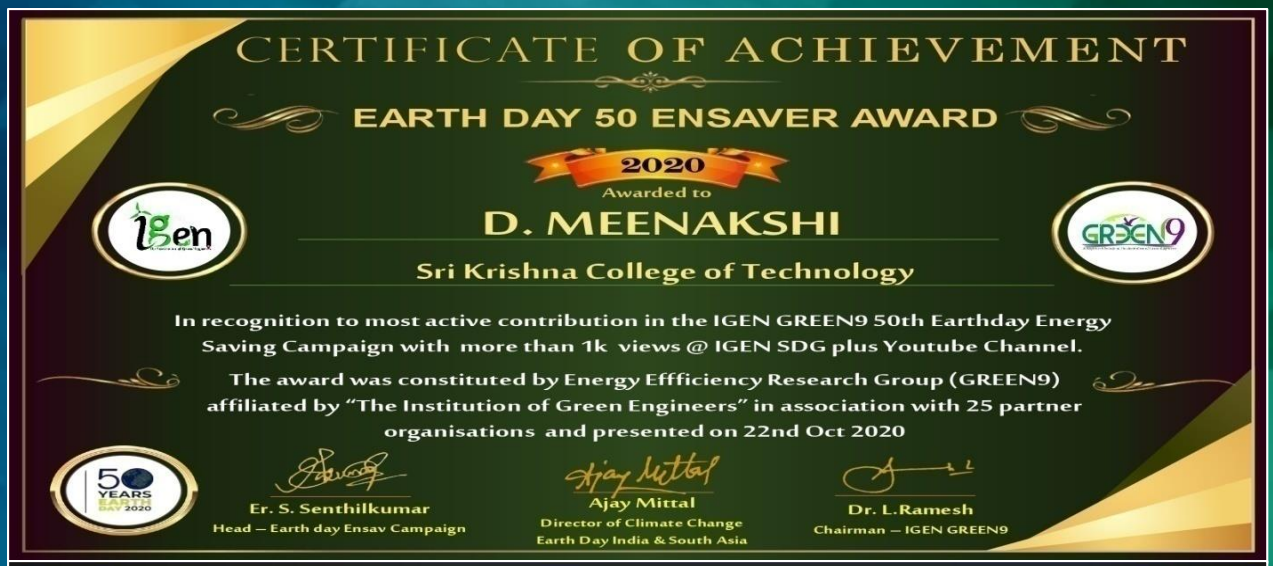
progate

Ms K T Labitha and Mr K Hayagrive Athray, Students of First B.E. CSE, completed **"Command Line Course"** through Progate on 25 November 2020.

S&H | STUDENT CERTIFICATE OF COURSE COMPLETION

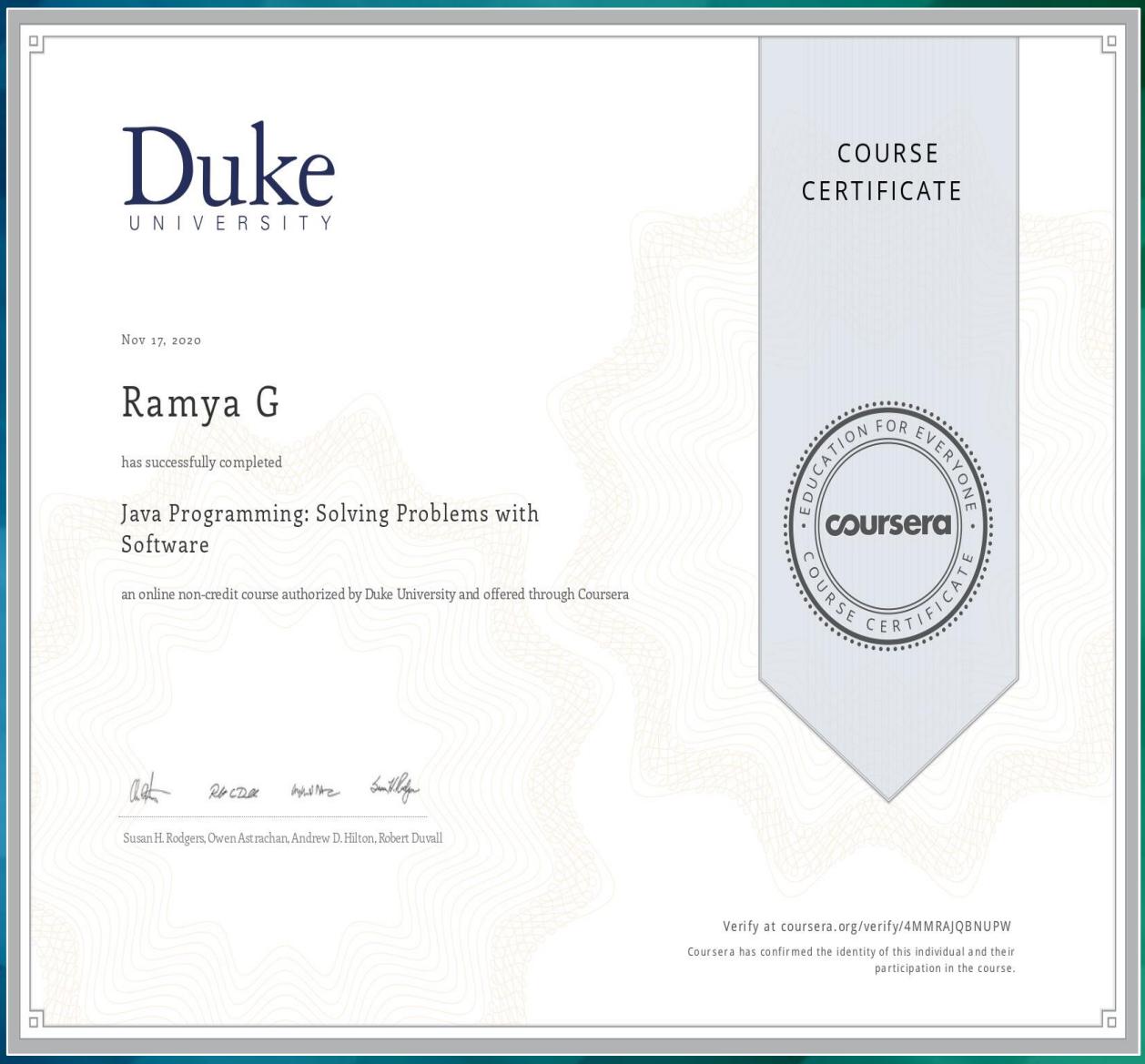
Mr M Makizharasu, Students of First B.E. CSE, completed **"HTML Fundamentals Course"** through Sololearn.

EEE | STUDENT CERTIFICATE OF ACHIEVEMENT | EARTH DAY 50 ENSAVER AWARD



Ms Meenakshi D, Student of Final B.E. EEE B Section, has been recognised for her active contribution in the **"IGEN GREEN9 50th Earthday Energy Saving Campaign"** on 22 October 2020.

EEE | STUDENT CERTIFICATE IN COURSERA|ONLINE COURSE ON JAVA PROGRAMMING SOLVING PROBLEMS WITH SOFTWARE



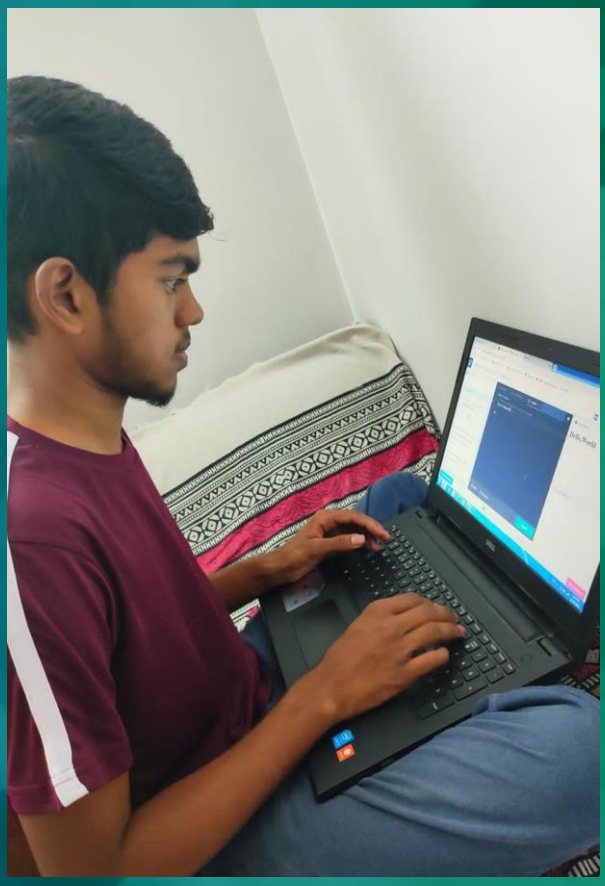
Ms G Ramya, Student of Third B.E EEE B Section, completed an online course on **"Java Programming Solving Problems with Software"** through Coursera on 17 November 2020.

I CSE-B | STUDENT'S CERTIFICATION | PROGATE-ONLINE PLATFORM TO LEARN PROGRAMMING

progate

Students of First year CSE Mr. Piratheesh R , Ms.Labitha K.T, Mr. kaushikk B, Ms. Rabiya reshma S have completed Online course on "GIT" under 7 days of coding challenge organized by Progate-online Platform To Learn Programming

I CSE-B | STUDENT'S CERTIFICATION | PROGATE-ONLINE PLATFORM TO LEARN PROGRAMMING



Student of first year CSE Ms. Monibala S. Ms. Oviya S , Mr. Piratheesh R , Ms. Nivethitha K, Ms. Ishvarya D, Mrs Rabiya Reshma S, Mr. kaushikk B, Mr. Mohammed Daanish M Completed Online course on "Command Line Course" under 7 days of coding challenge organized by Progate-online Platform To Learn Programming

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FACULTY PARTICIPATIONS

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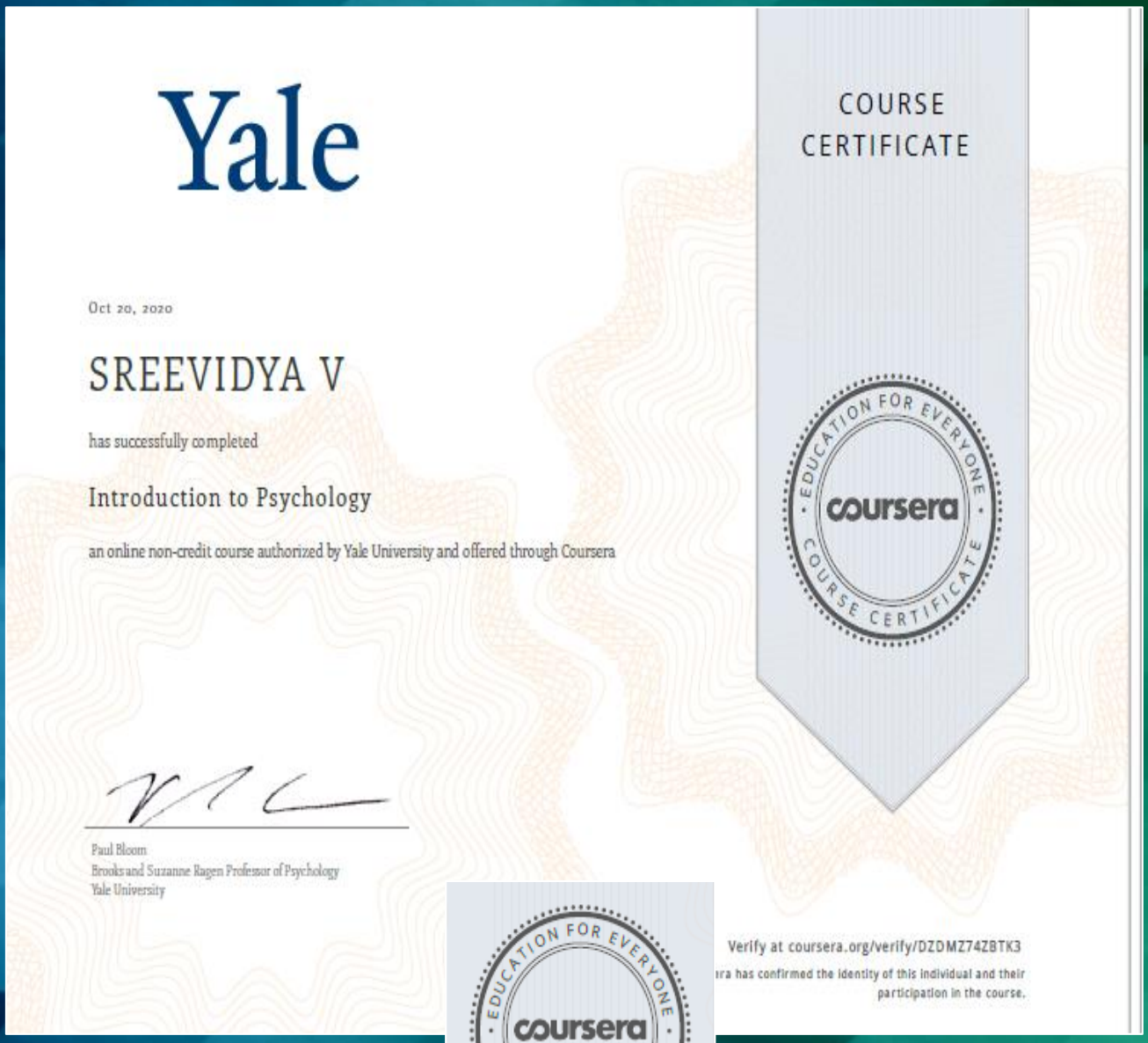
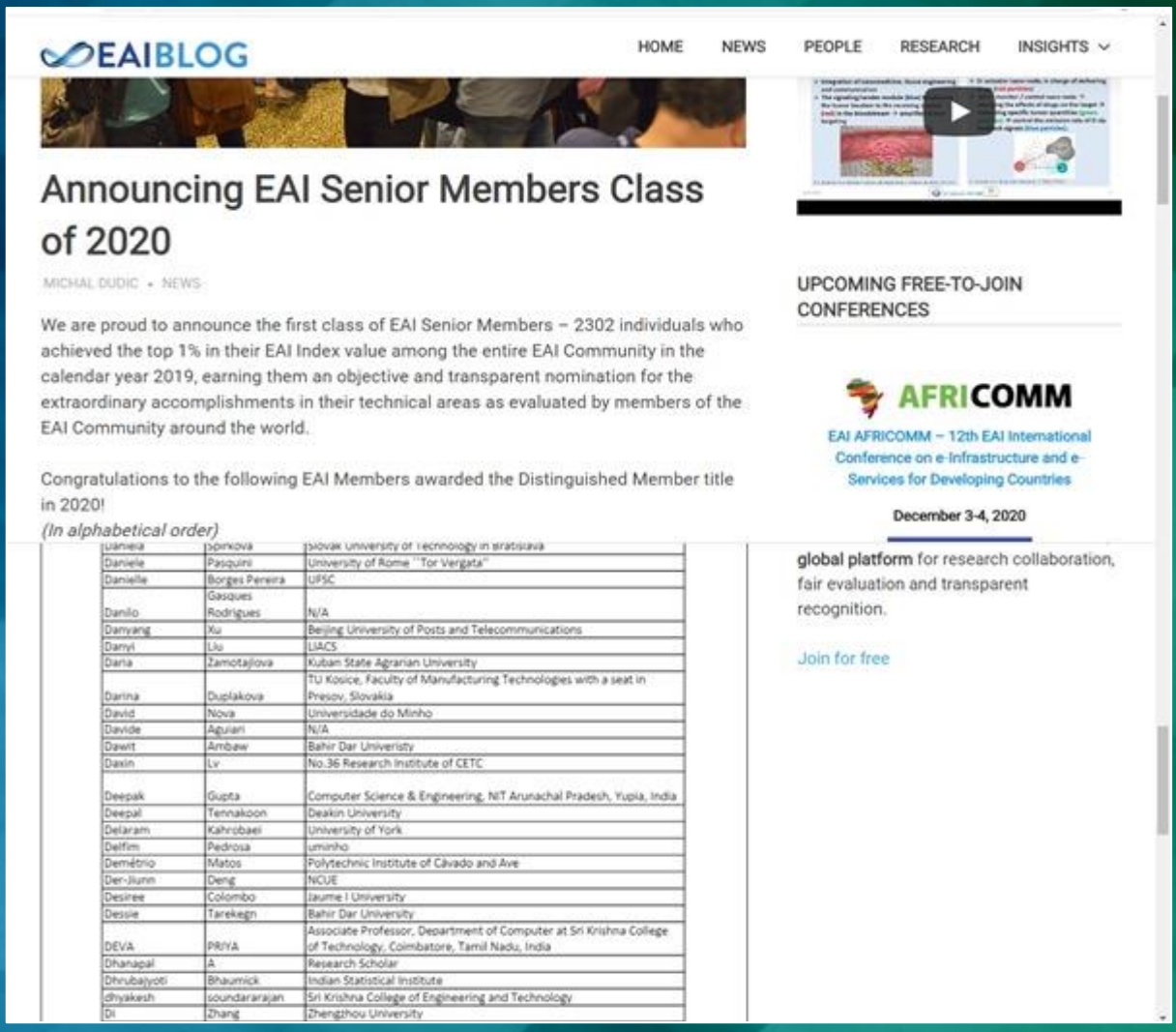
CIVIL | ONLINE COURSE IN COURSERA



Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, completed an online Course on "**Introduction to Psychology**" through Coursera on 20 October 2020.

CSE | FACULTY ACHIEVEMENTS | TOP 1% IN EAI COMMUNITY



EAIBLOG

HOME NEWS PEOPLE RESEARCH INSIGHTS

Announcing EAI Senior Members Class of 2020

MICHAL DUDIC • NEWS

We are proud to announce the first class of EAI Senior Members – 2302 individuals who achieved the top 1% in their EAI Index value among the entire EAI Community in the calendar year 2019, earning them an objective and transparent nomination for the extraordinary accomplishments in their technical areas as evaluated by members of the EAI Community around the world.

Congratulations to the following EAI Members awarded the Distinguished Member title in 2020!

(In alphabetical order)

Daniela	Spinkova	Slovak University of Technology in Bratislava
Daniele	Pasquini	University of Rome "Tor Vergata"
Danielle	Borges Pereira	UFSC
Danilo	Gasques Rodrigues	N/A
Danyang	Xu	Beijing University of Posts and Telecommunications
Danyl	Liu	LIACS
Daria	Zamotajlova	Kuban State Agrarian University
Darina	Duplakova	TU Kosice, Faculty of Manufacturing Technologies with a seat in Presov, Slovakia
David	Nova	Universidade do Minho
Davide	Aguiari	N/A
Dawit	Ambaw	Bahir Dar University
Daxin	Lv	No.36 Research Institute of CETC
Deepak	Gupta	Computer Science & Engineering, NIT Arunachal Pradesh, Yupia, India
Deepal	Tennakoon	Deakin University
Delaram	Kahrobaei	University of York
Delfim	Pedrosa	uminho
Demétrio	Matos	Polytechnic Institute of Cávado and Ave
Der-Jiunn	Deng	NCUE
Desiree	Colombo	Jaume I University
Dessie	Tarekegn	Bahir Dar University
DEVA	PRIYA	Associate Professor, Department of Computer at Sri Krishna College of Technology, Coimbatore, Tamil Nadu, India
Dhanapal	A	Research Scholar
Dhrubajyoti	Bhaumick	Indian Statistical Institute
dhyakesh	soundararajan	Sri Krishna College of Engineering and Technology
Di	Zhang	Zhengzhou University

UPCOMING FREE-TO-JOIN CONFERENCES

AFRICOMM

EAI AFRICOMM – 12th EAI International Conference on e-Infrastructure and e-Services for Developing Countries

December 3-4, 2020

global platform for research collaboration, fair evaluation and transparent recognition.

Join for free

EAIBLOG

Dr M Deva Priya, Assoc. Professor, Dept. of CSE, has been selected as one of the **"2304 EAI Senior Members Class of 2020".**

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NEW VISTAS OF LEARNING

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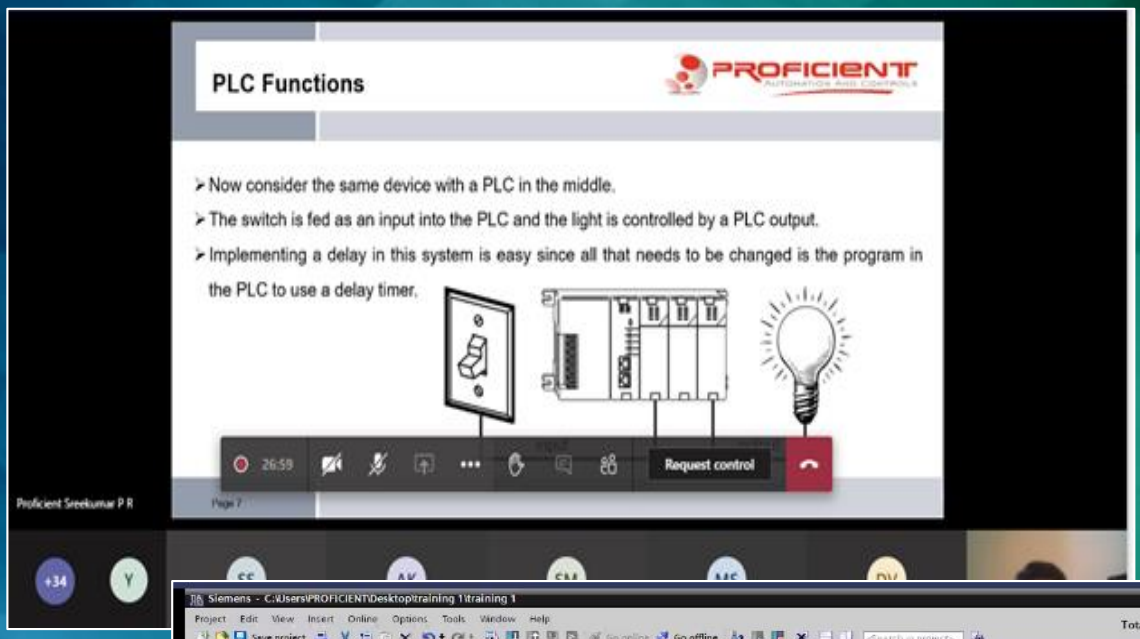
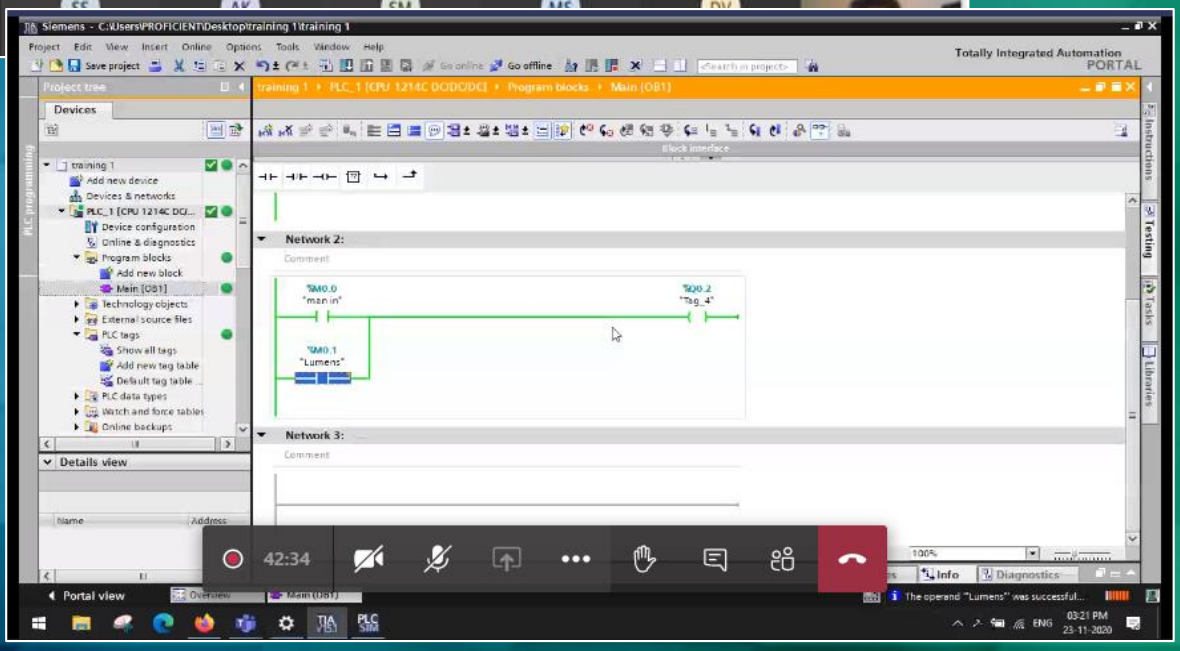
ICE | WEBINAR ON DIGITIZATION IN INDUSTRIAL AUTOMATION





Ms K Shanthi, Asst. Professor, Dept. of ICE, attended the AICTE sponsored One-week Short Term Training Programme on **"Digitization in Industrial Automation"** organised by Kumaraguru College of Technology, Coimbatore during 23-28 November 2020.

CIVIL | WEBINAR ON PAVEMENT MANAGEMENT SYSTEMS

CERTIFICATE

PROUDLY PRESENTED TO

Dr. SREEVIDYA V

Pavement Management System

Nov 20, 2020 — Date of Completion

UltraTech Cement Ltd. — Organizer

UltraTech CEMENT The Engineer's Choice INDIA'S NO.1 CEMENT

Dr V Sreevidya, Assoc. Professor, Dept. of Civil Engineering, attended a webinar on "**Pavement Management System**" organised by UltraTech Cements on 20 November 2020.

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FDPs ATTENDED

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ECE | STTP ON POTENTIAL AND CHALLENGES FOR INTEGRATING 5G NETWORKS AND IoT APPLICATIONS IN SMART CITY ENVIRONMENT

HINDUSTHAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
Valley Campus, Pollachi Highway, Coimbatore-641 032

DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This is to Certify that Dr./Mr./Ms. Dr SUMATHI K of Sri Krishna College of Technology has participated in AICTE Sponsored One Week Online Short Term Training Program(Slot-II) entitled "Potential and Challenges for Integrating 5G Networks and IOT Applications in Smart City Environment" Organized by Department of Information Technology, Hindusthan College of Engineering and Technology from 16-11-2020 to 21-11-2020.

Dr Gomathi B, Coordinator
Dr Rajkumar N, Director Research & Head
Dr Karunakaran K, Principal

Dr K Sumathi, Professor, Dept. of ECE, attended One-week STTP on **"Potential and Challenges for Integrating 5G Networks and IoT Applications in Smart City Environment"** organised by Hindusthan College of Engineering and Technology, Coimbatore during 16-21 November 2020.

CIVIL | STTP IN COLD FORM STEEL IN CONSTRUCTION INDUSTRY

COIMBATORE INSTITUTE OF TECHNOLOGY
(Govt. Aided Autonomous Institution affiliated to Anna University, Chennai)
COIMBATORE - 641014

DEPARTMENT OF CIVIL ENGINEERING

AICTE Sponsored One Week Online Short Term Training Programme on

"COLD FORM STEEL IN CONSTRUCTION INDUSTRY"

04th to 10th November, 2020

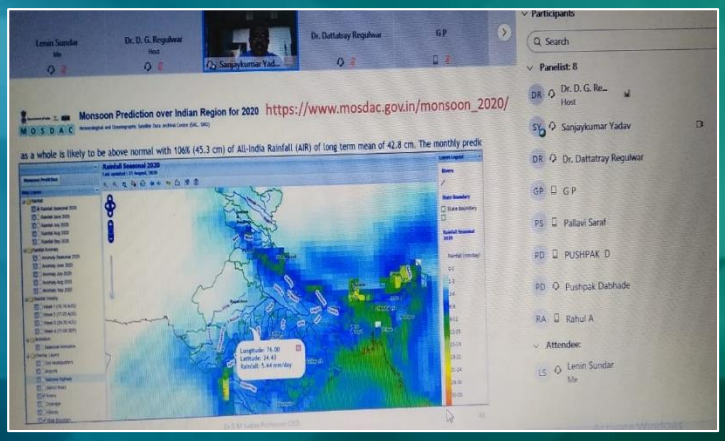
CERTIFICATE OF PARTICIPATION

This is to certify that Mr. Ramesh R, Assistant Professor, Sri Krishna College of Technology, Coimbatore has attended AICTE Sponsored One Week Online Short Term Training Programme on "COLD FORM STEEL IN CONSTRUCTION INDUSTRY - SERIES 1" Organized by Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore during 04th to 10th November 2020 and successfully qualified in the Programme Evaluation Test.

Dr. M. KAARTHIK — Convenor
Dr. V. G. SRISANTHI — Professor & Head of Civil Engg.
Dr. V. SELLADURAI — Principal

Mr R Ramesh, Asst. Professor, Dept. of Civil Engineering, attended the AICTE sponsored STTP on "**Cold Form Steel in Construction Industry**" organised by CIT, Coimbatore during 04-10 November 2020.

CIVIL | FDP ON ADVANCED TECHNOLOGIES IN WATER RESOURCES MANAGEMENT



Dr M Lenin Sundar, Professor, Dept. of Civil Engineering, attended One-week FDP on "**Advanced Technologies in Water Resources Management**" organised by GCE, Aurangabad during 23-27 November 2020.

SoM | FDP ON EMERGING TECHNOLOGIES IN TRANSFORMING BUSINESS MODELS

Dr J Chandrakanthan, Asst. Professor, SoM, attended a Five-day FDP on **"Emerging Technologies in Transforming Business Models"** organised by the Dept. of MBA, SJB Institute of Technology, Bangalore.

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EVENTS ORGANISED

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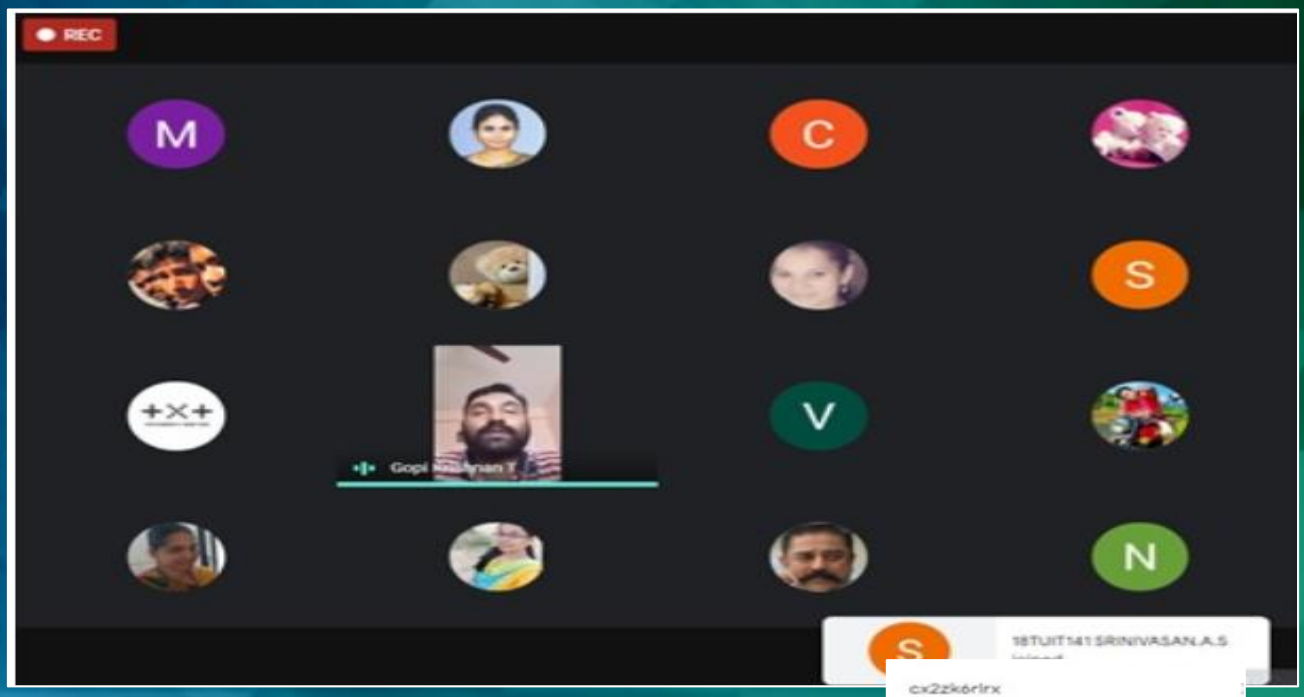
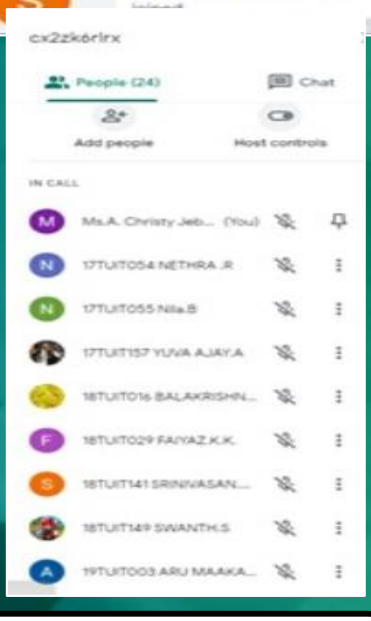
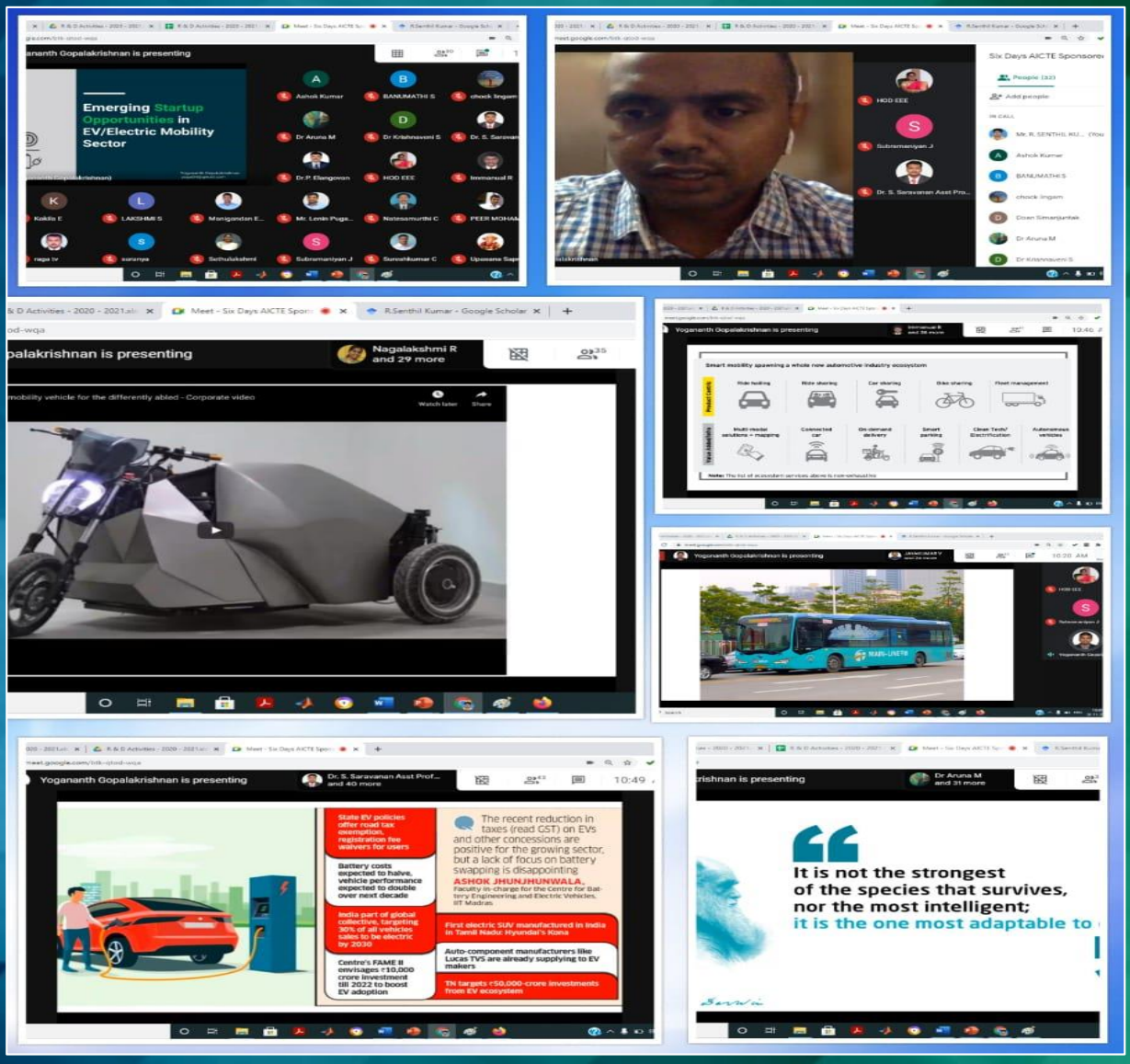
IT | WEBINAR ON INDUSTRY READINESS





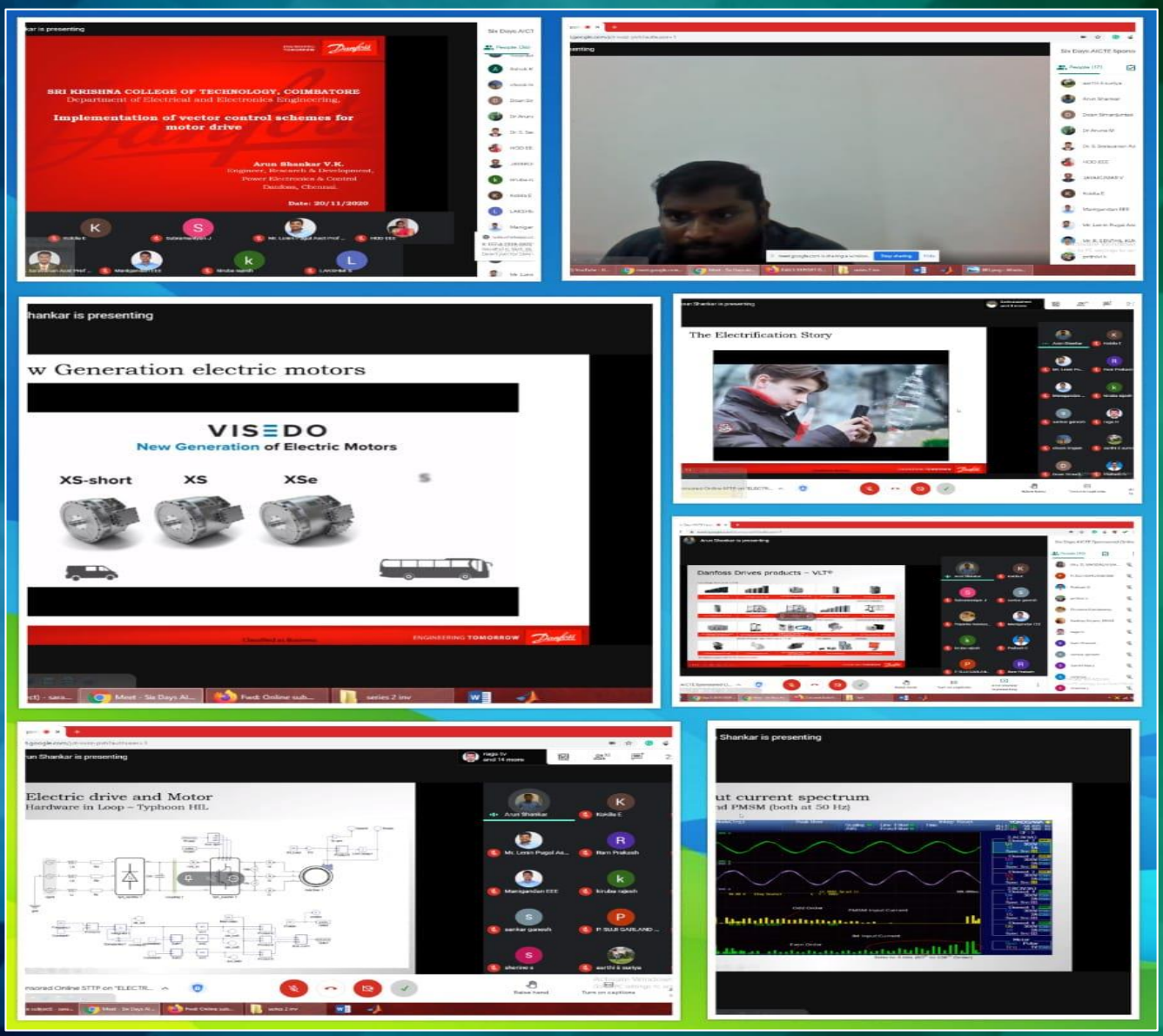
The Dept. of Information Technology and Institution's Innovation Council organised a webinar on "**Industry Readiness**" facilitated by Mr T Nandhagopal, Technical Lead, Mindtree Limited, Bangalore and coordinated by Dr A Christy Jebamalar, Assoc. Professor, Dept. of IT on 21 November 2020.

EEE | AICTE SPONSORED STTP (SERIES:02) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES



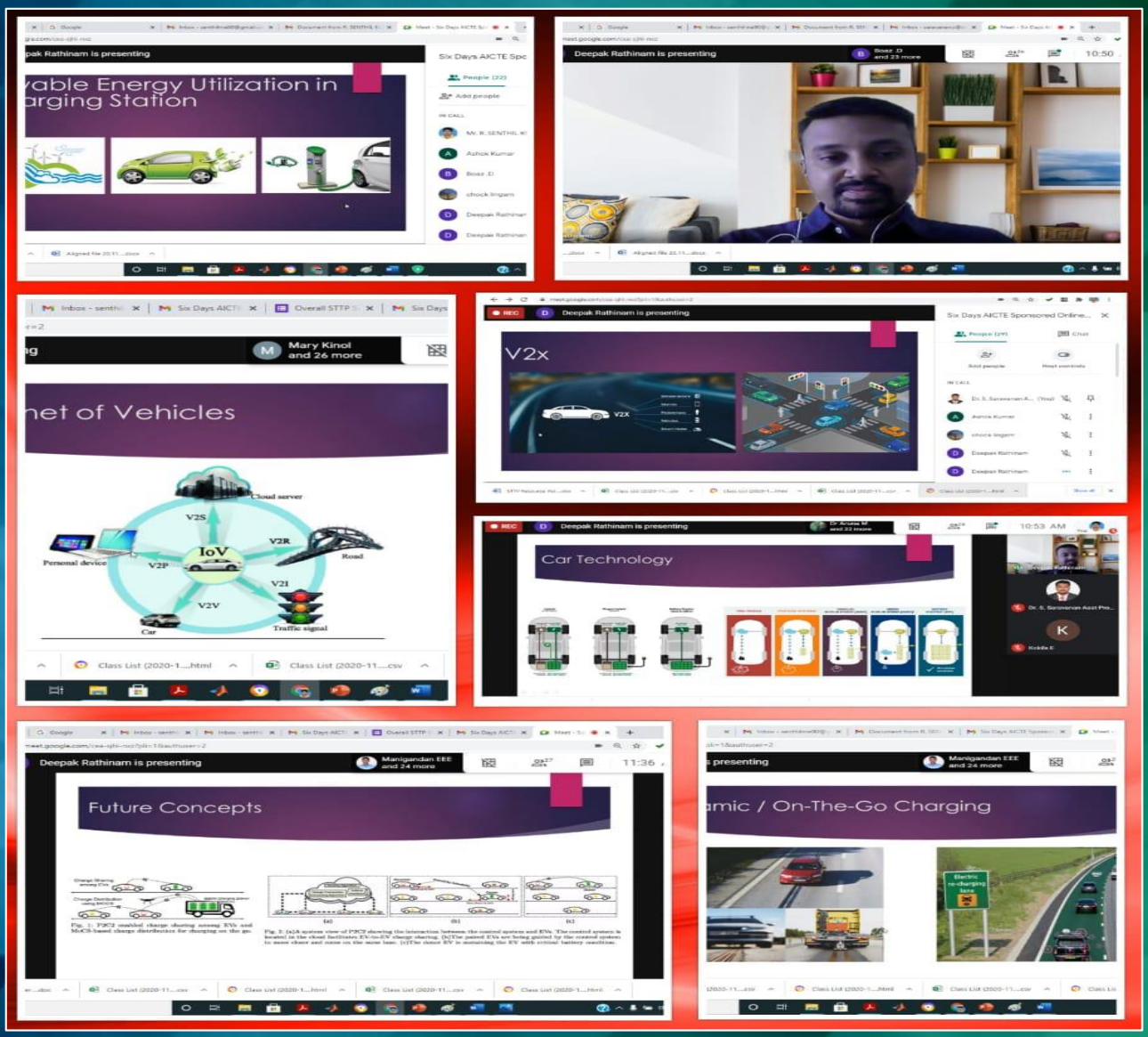
The Dept. of EEE organised the AICTE sponsored STTP (Series: 02) Session 9 on **"Startup Opportunities in Electric Vehicle Sector"** facilitated by Mr Yogananth Gopalakrishnan, Head- Incubation & Programs, ARTILAB Foundation, Bangalore on 20 November 2020.

EEE | AICTE SPONSORED STTP (SERIES: 02) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES



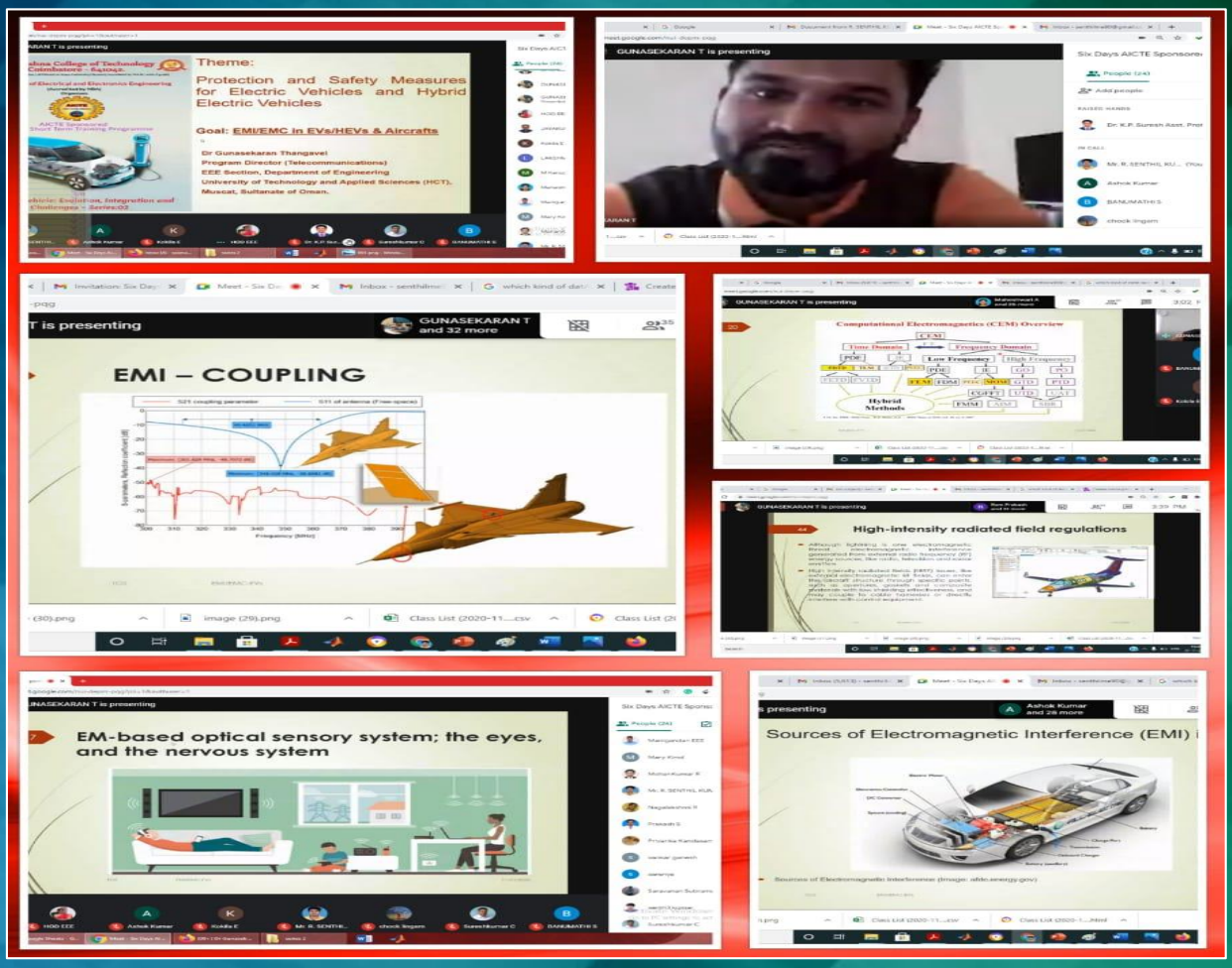
The Dept. of EEE organised the AICTE sponsored STTP (Series: 02) Session 10 on **"Implementation of Vector Control Schemes For Motor Drive"** facilitated by Mr Arun Shankar, Research and Development , Danfoss A/s Drives, Chennai on 20 November 2020.

EEE | AICTE SPONSORED STTP (SERIES: 02) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES



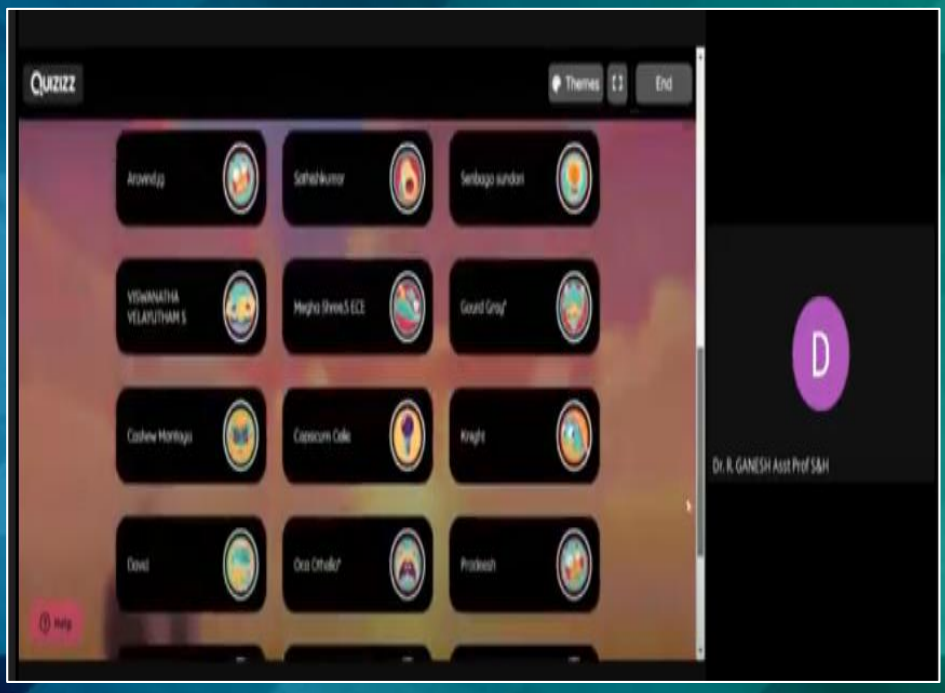
The Dept. of EEE organised the AICTE sponsored STTP (Series: 02) Session 11 on **"Renewable Energy Utilization in Electric Vehicles Charging Station"** facilitated by Mr Deepak Rathinam, Delivery Manager, Robert Bosch Engineering and Business Solutions Pvt. Ltd., Coimbatore on 21 November 2020.

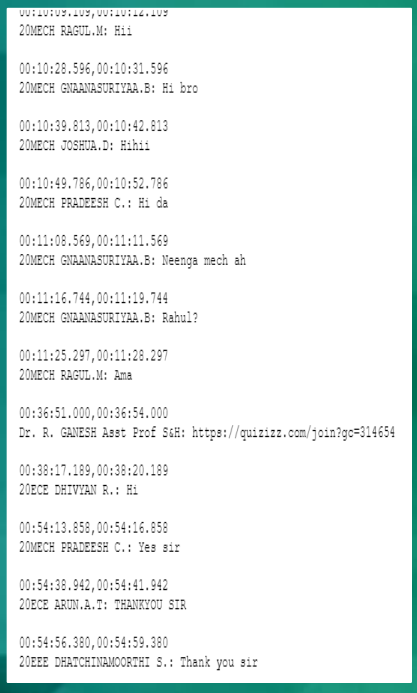
EEE | AICTE SPONSORED STTP (SERIES: 02) ORGANISED ON ELECTRIC VEHICLE: EVOLUTION, INTEGRATION AND CHALLENGES



The Dept. of EEE organised the AICTE sponsored STTP (Series: 02) Session 12 on **"Protection and Safety Measures for Electric Vehicles and Hybrid Electric Vehicles"** facilitated by Dr Gunasekaran Thangavel, Program Director - Telecommunications Engineering, Electrical and Electronics Engineering Section, University of Technology and Applied Sciences, Oman on 21 November 2020.

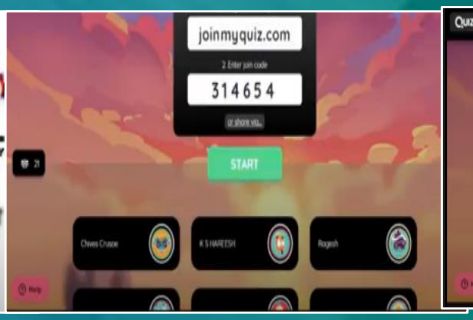
S & H | EVENTS ORGANISED



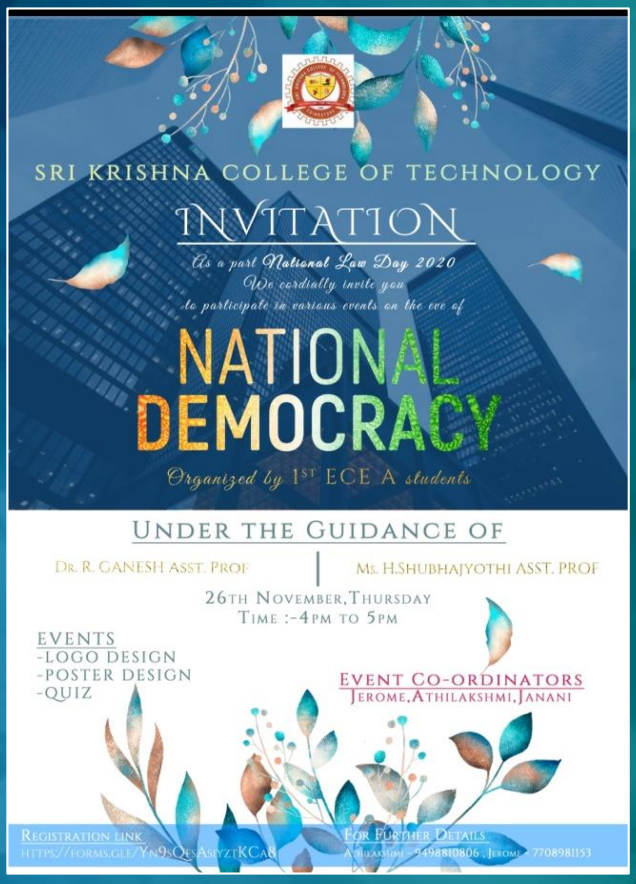


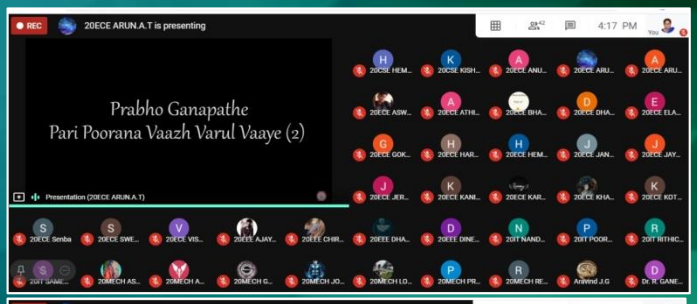
Students of First B.E. ECE A Section organised various events like Speech, Quiz, Logo and Poster Design to commemorate **"The National Law Day"** facilitated by Dr Srinivasan Alavandar, Principal and Dr B SathishKumar, Professor and Head, Dept. of Science and Humanities on 26 November 2020.

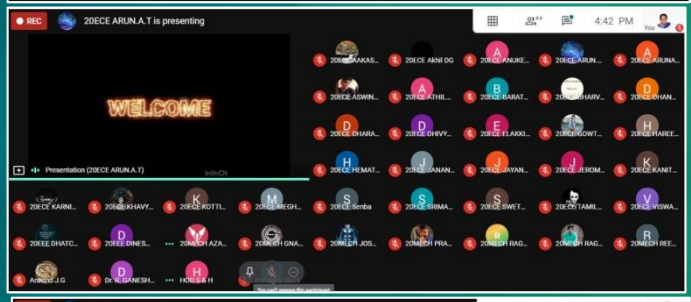
NATIONAL
DEMOCARCY
Democracy is when the indige
and not the men of poverty
are the ruler
BY THE PEOPLE
FOR THE PEOPLE
TO THE PEOPLE

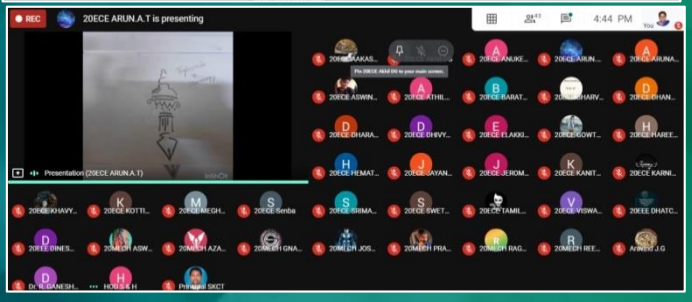

joinmyquiz.com
2 Enter join code
314654
START

Quizizz
314 654
Themes
End
Multiple Choice
10. Constitution of India was adopted by Constituent Assembly on
25 Oct 1948
25 Oct 1949
26 Nov 1948
26 Nov 1949

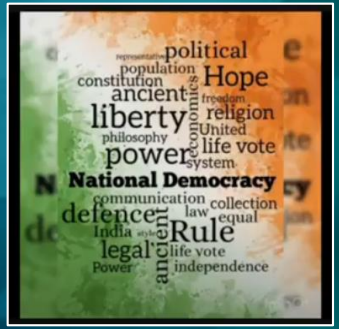

SRI KRISHNA COLLEGE OF TECHNOLOGY
INVITATION
As a part National Law Day 2020
We cordially invite you
to participate in various events on the eve of
NATIONAL
DEMOCRACY
Organized by 1ST ECE A students
UNDER THE GUIDANCE OF
Dr. R. GANESH ASST. PROF
Ms. H.SHUBHAJYOTHI ASST. PROF
26TH NOVEMBER, THURSDAY
TIME :-4PM TO 5PM
EVENTS
-LOGO DESIGN
-POSTER DESIGN
-QUIZ
EVENT CO-ORDINATORS
JEROME, ATHILAKSHMI, JANANI
REGISTRATION LINK
FOR FURTHER DETAILS

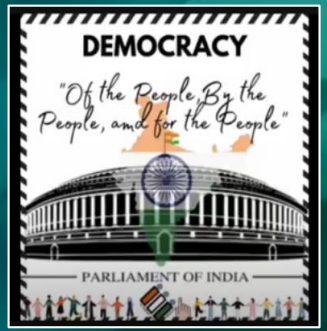

REC
20ECE ARUN.A.T is presenting
4:17 PM
Prabho Ganapathe
Pari Poorana Vaazh Varul Vaaye (2)


REC
20ECE ARUN.A.T is presenting
4:42 PM
WELCOME


REC
20ECE ARUN.A.T is presenting
4:44 PM

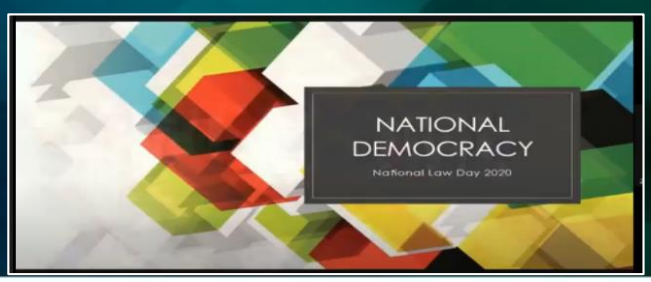
DEMOCRATIC
HARISH
InShOt


political
Hope
ancient
liberty
religion
United
life vote
power
National Democracy
defence
Rule
legal
independence


DEMOCRACY
"Of the People, By the People, and for the People"
PARLIAMENT OF INDIA

DEMOCRATIC

India


NATIONAL
DEMOCRACY
National Law Day 2020

THE DEMOCRATIC INDIA
JAYANTHI
InShOt

SPECIAL EDITION - 27

MEETINGS & DISCUSSIONS

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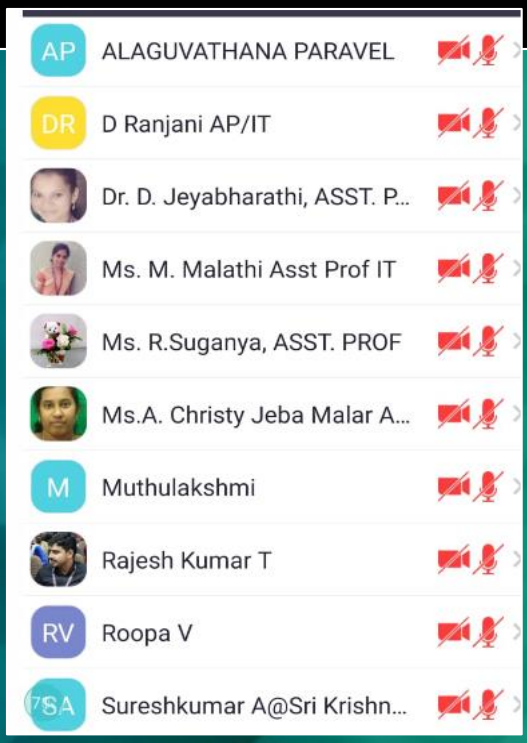
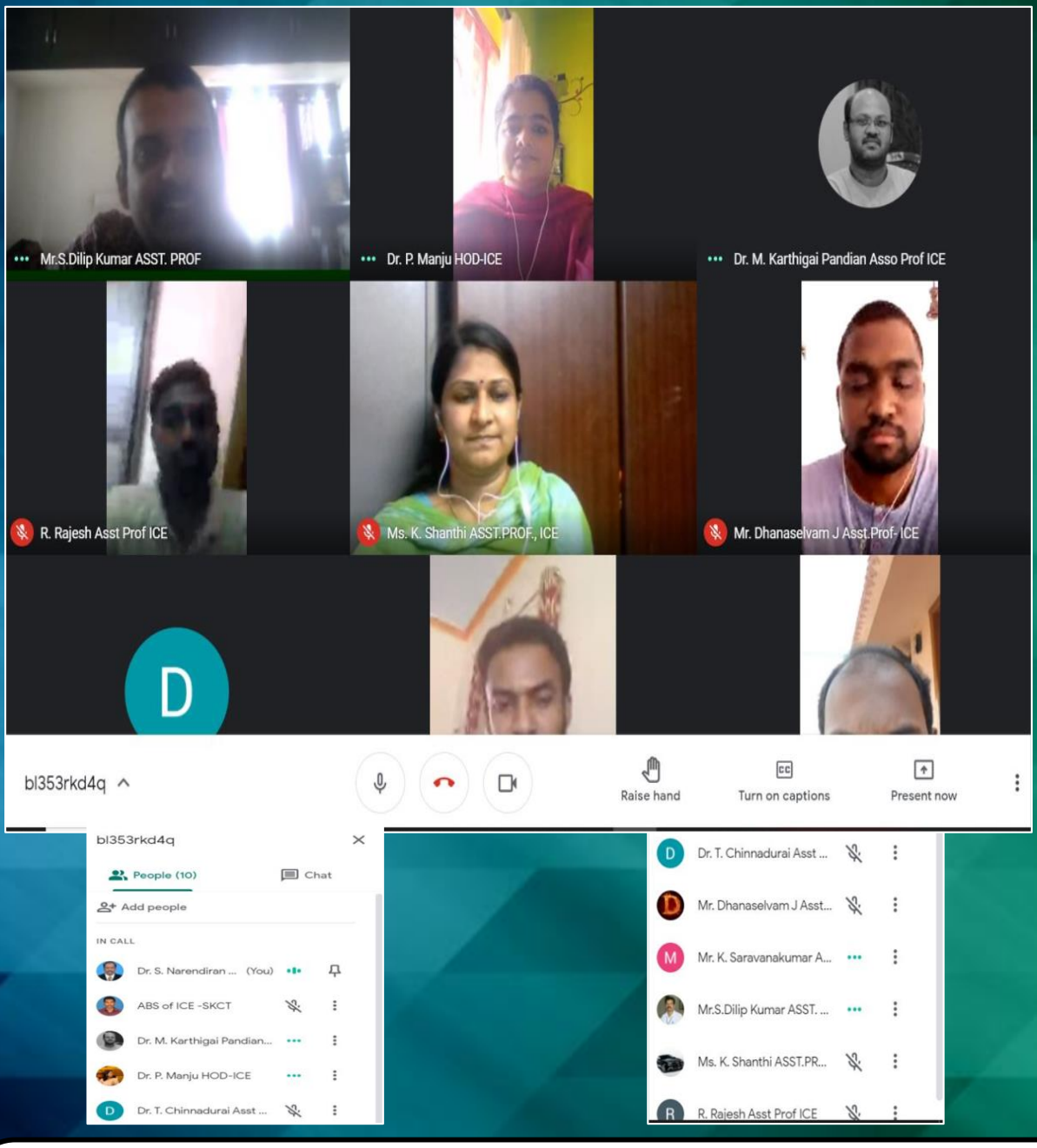
digestfeedback@skct.edu.in

IT | DEPARTMENT MEETING



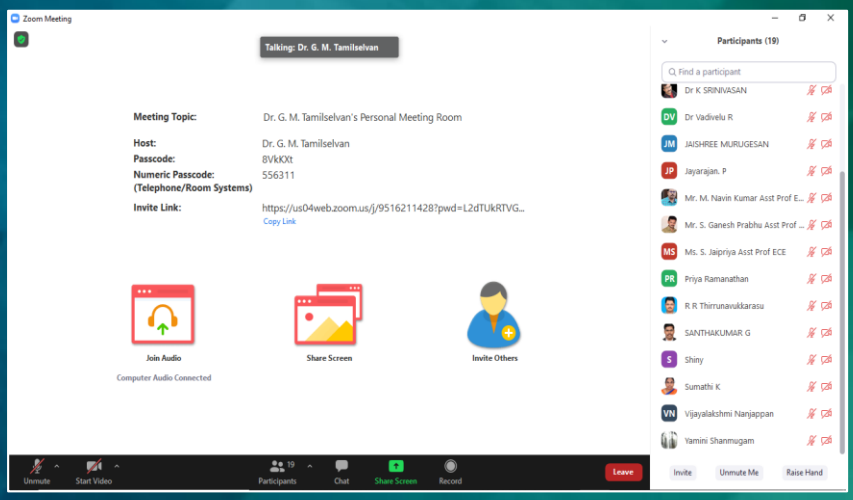
Dr G M Tamilselvan, Professor and Head InCharge, Dept. of IT, conducted a meeting with the Members of Faculty regarding the Research Progress, Academic Progress, Students' Activities and Participation on 25 November 2020.

ICE | DEPARTMENT MEETING



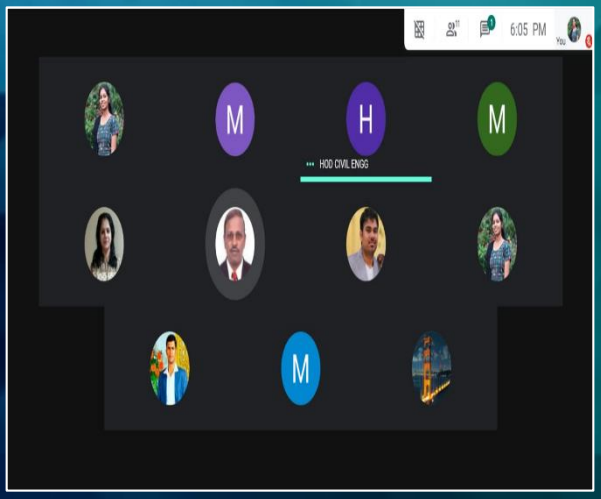
Dr P Manju, Professor and Head, Dept. of ICE, conducted a meeting with the Members of Faculty regarding Online Classes for Lateral Entry Students, Question Bank and Placement Details on 20 November 2020.

ECE | DEPARTMENT MEETING



Dr G M Tamilselvan, Professor and Head, Dept. of ECE, conducted a meeting with the Members of Faculty regarding Revision Classes, Placement Activities and Research Progress on 26 November 2020.

CIVIL | DEPARTMENT MEETING

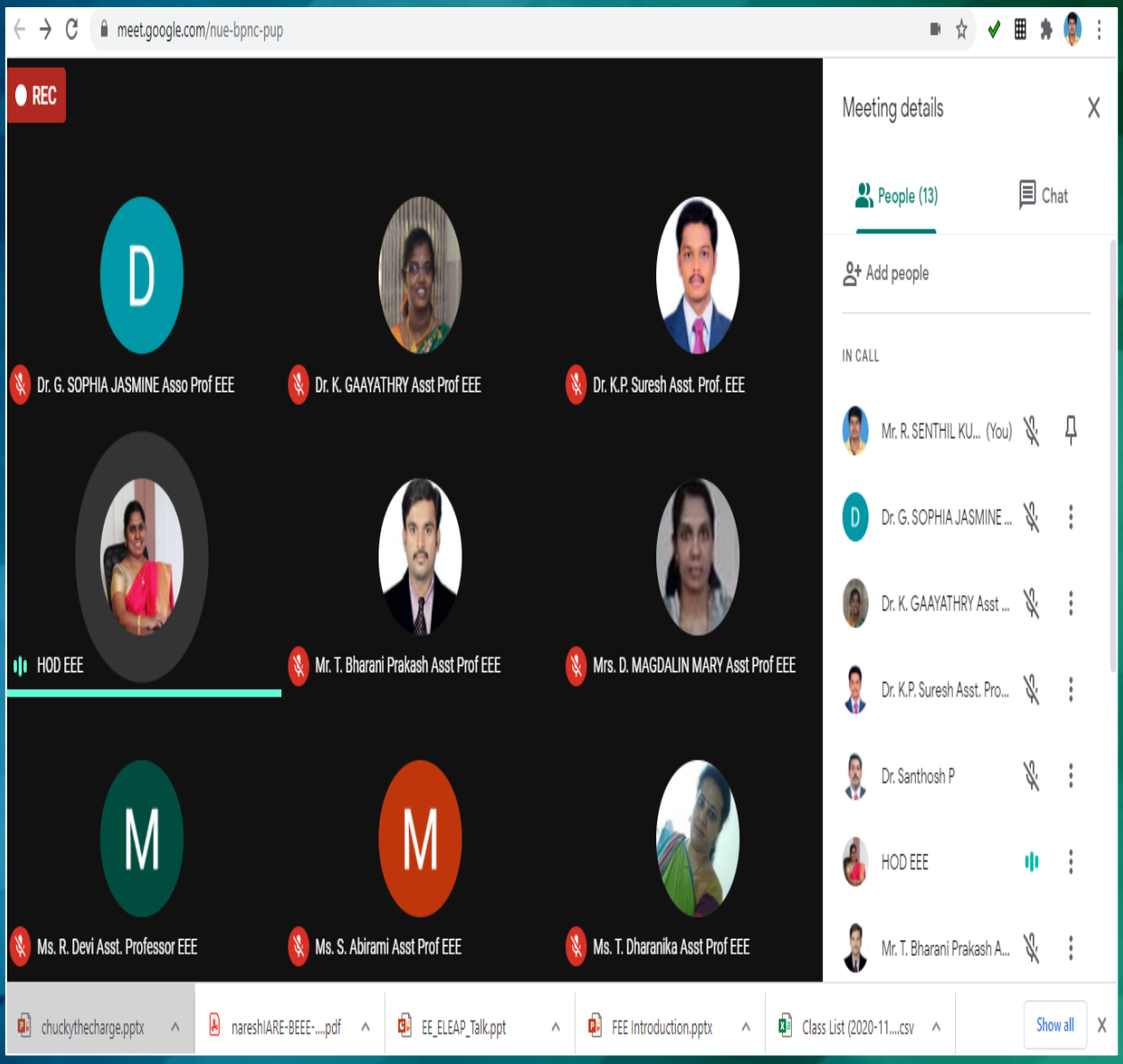


Dr I Padmanaban, Professor and Head, Dept. of Civil Engineering, conducted a meeting with the Members of Faculty regarding Online Classes for Lateral Entry Students, Academic Progress and Research Progress on 24 November 2020.

CSE | DEPARTMENT MEETING

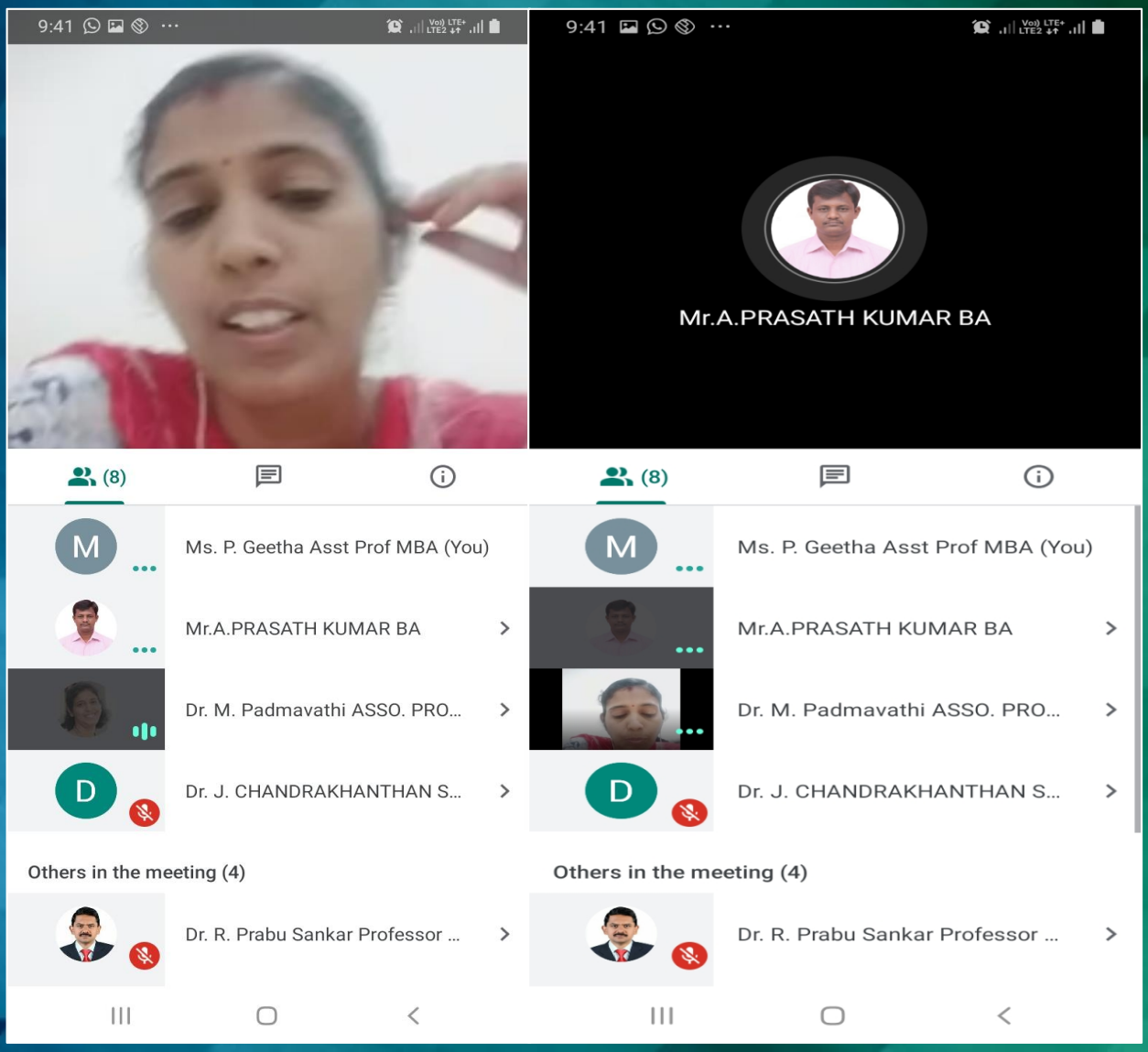
Dr P Tamije Selvy, Professor, Dept. of CSE, conducted a meeting for the Members of Faculty regarding the Academic Activities and Placement Progress on 27 November 2020.

EEE | DEPARTMENT MEETING



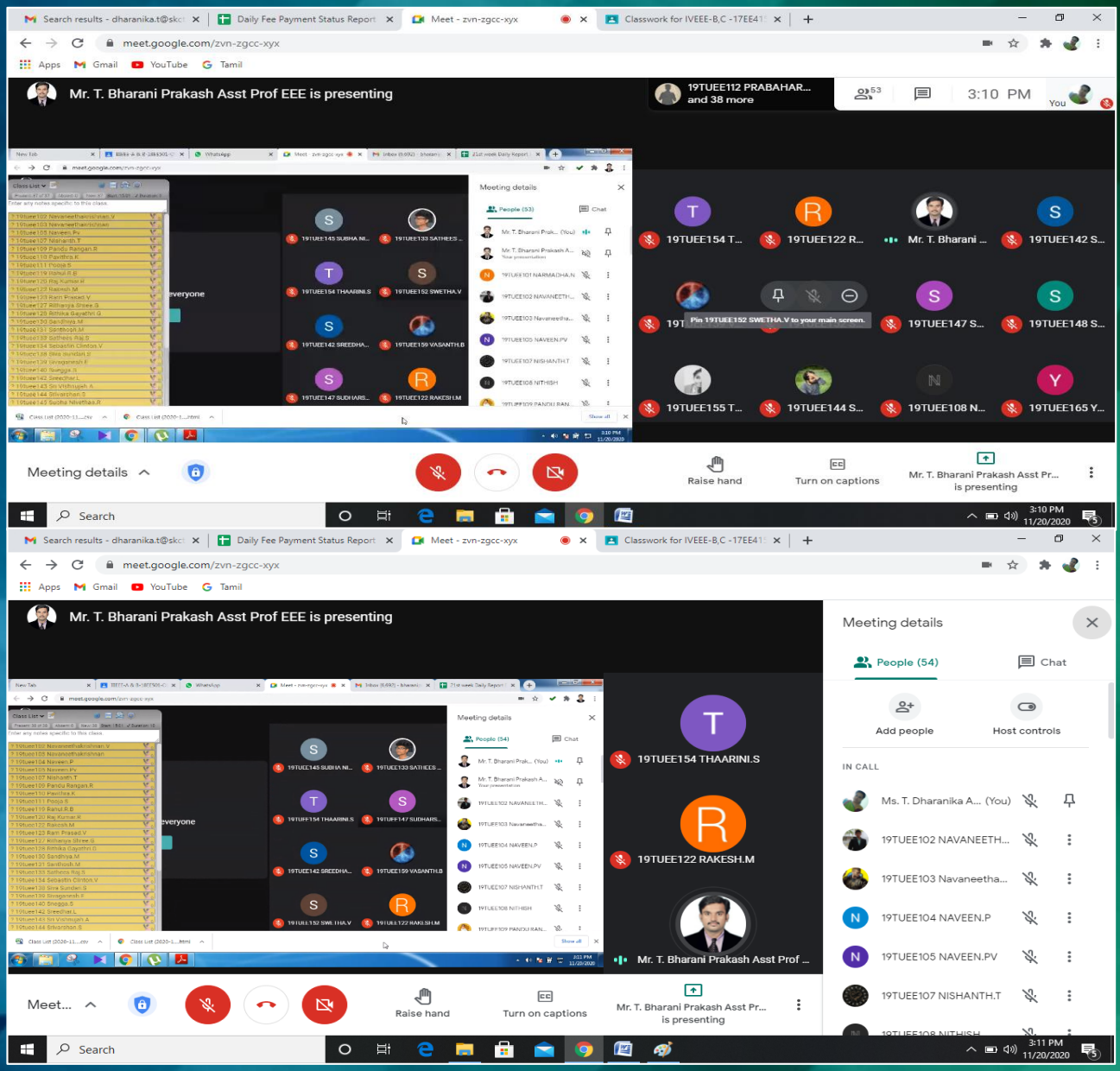
Dr K Lakshmi, Professor and Head, Dept. of EEE, conducted a meeting with the Members of Faculty regarding Online Classes for Lateral Entry Students, R&D Activities, Progress of Placement and Academic Activities on 25 November 2020.

SoM | DEPARTMENT MEETING



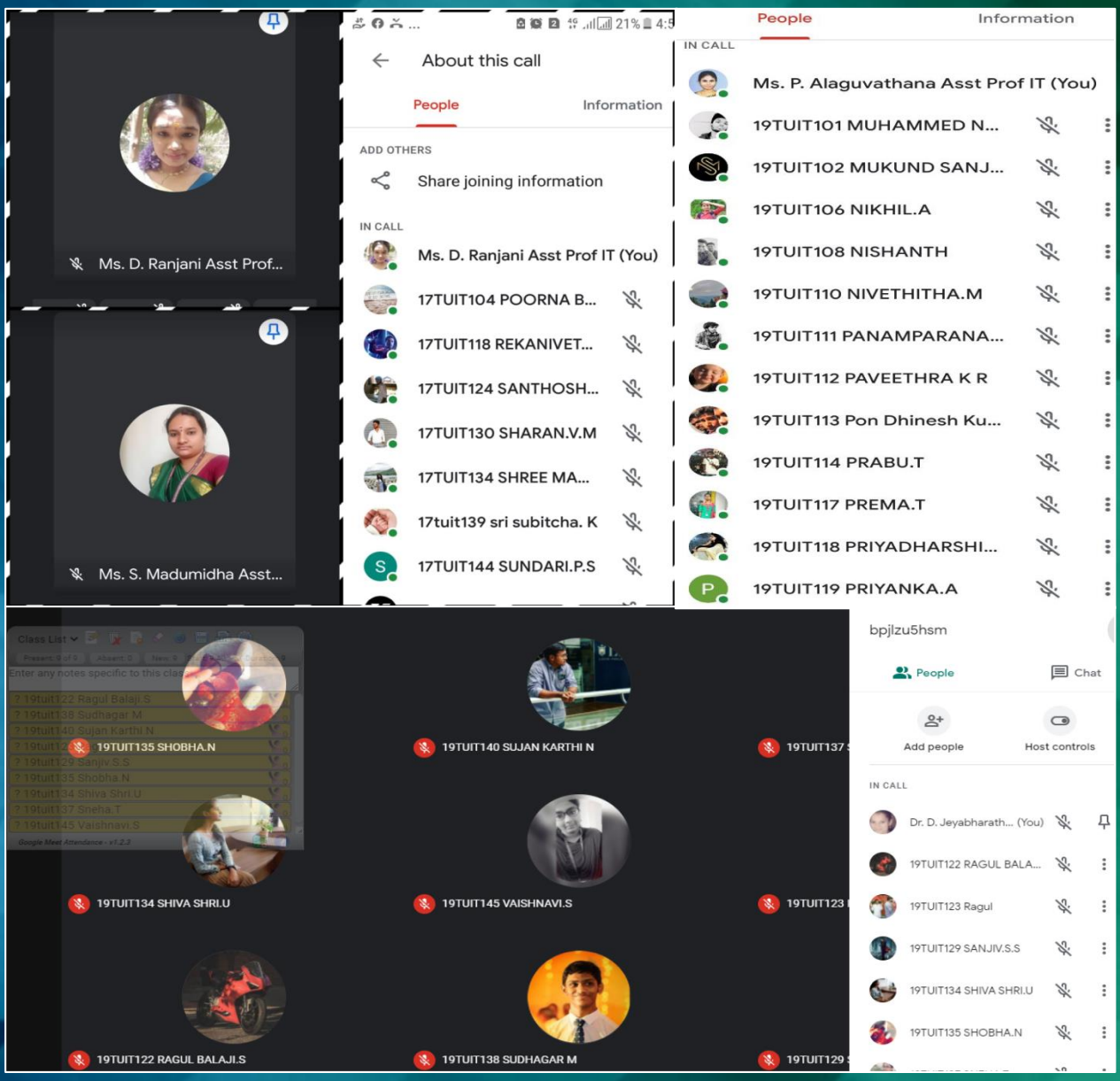
Dr M Padmavathi, Assoc. Professor and Head, SoM, conducted a meeting with the Members of Faculty regarding MBA E-Content Preparation for the Students of First year, MBA Question Bank Preparation for the Students of Second Year, Placement Activities and Research Progress on 24 November 2020.

EEE | TUTOR WARD MEETING



The Members of Faculty from the Dept. of EEE conducted a **"Tutor Ward Meeting"** with the Students of Second, Third and Final B.E. EEE regarding the Progress of Placement and Academic Activities, Online Classes and Students' Performance in CIA 3 on 20 November 2020.

IT | TUTOR WARD MEETING



The Members of Faculty from the Dept. of IT conducted a **"Tutor Ward Meeting"** for the Students of Second B.Tech. IT B Section and Final B.Tech. IT B Section regarding the End Semester Examination, Placement Related Activities and Event Participation on 26 November 2020.

SPECIAL EDITION - 27

STUDENTS' ACTIVITIES

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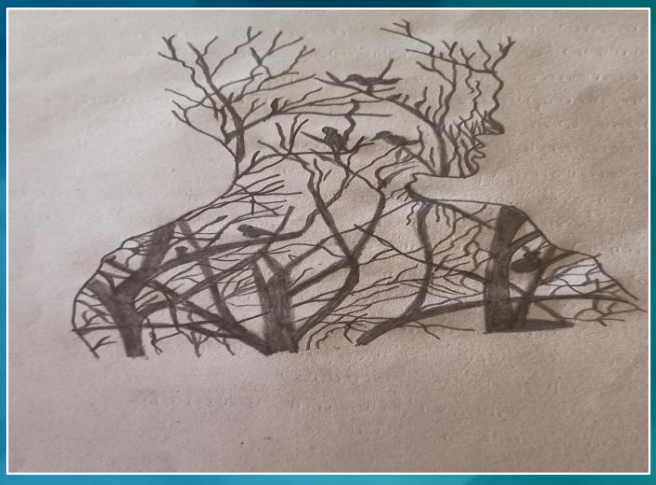
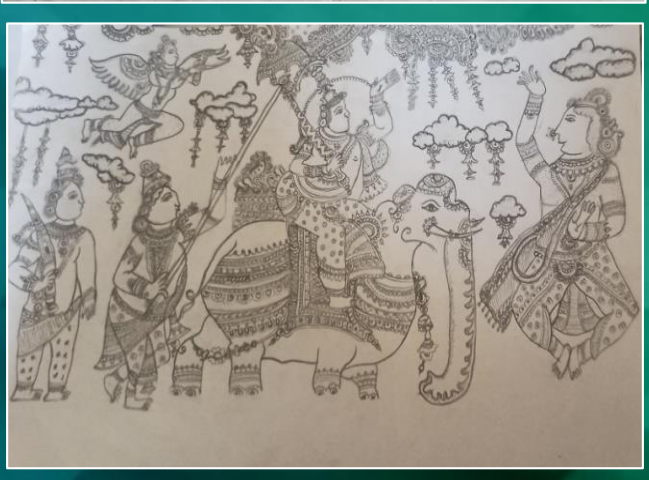
EEE | STUDENT'S CREATIVE CORNER | DRAWING AND ART





Ms N Dhanyaa, Student of Final B.E. EEE A Section sketched the "**Drawing and Art work**".