

SKCT

DIGEST

SPECIAL ISSUE 88

**31 JANUARY - 04 FEBRUARY
2022**



EDITOR - IN - CHIEF

**Dr V Sreevidya,
Principal In-charge**

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Ms B Pavithra, S&H

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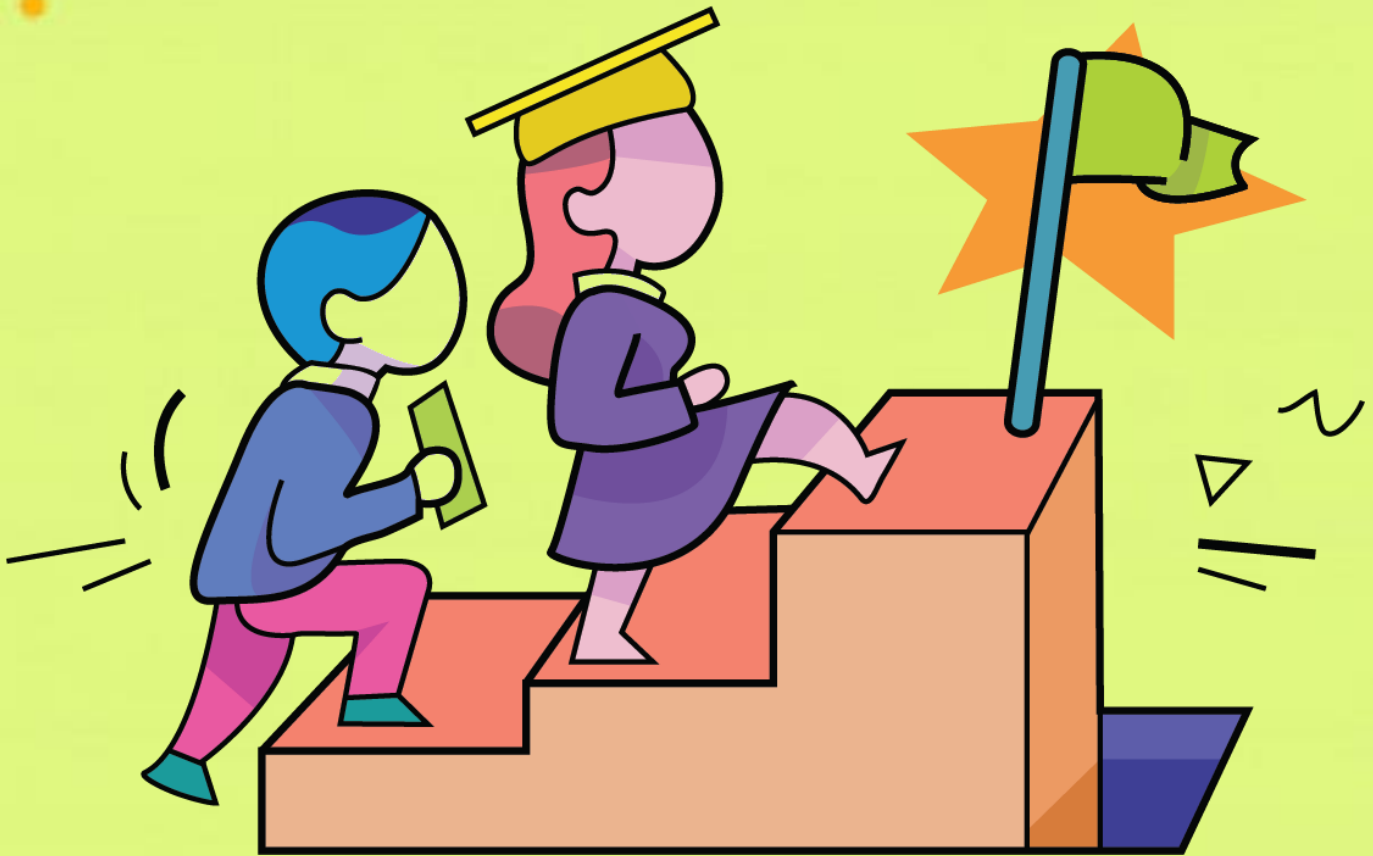
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STUDENTS' PARTICIPATIONS



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EEE | STUDENT ACHIEVEMENT | COVID AWARENESS EVENT IN ROTARACT CLUB

Rotary | SERVE TO CHANGE LIVES | Rotaract District 3201 |

ROTARACT CLUB OF SRI KRISHNA COLLEGE OF TECHNOLOGY
 FAMILY OF ROTARY CLUB OF COIMBATORE SPECTRUM
 GROUP : I | RID : 3201 | CLUB ID : 92267

In association with

Rotaract | CHENNAI CAPITAL

presents

MASK PODUNGA MAKKALAE !!

STOP THE SPREAD!!

A Statewide Covid awareness event
 on
29th January 2022, Saturday

EVENT CHAIRMAN
Rtr. Mohit Kumar D
 Director of International service
 Rotaract Club of Sri Krishna
 College of Technology

EVENT SECRETARY
Rtr. Sri Pragash M
 Editor
 Rotaract Club of Sri Krishna
 College of Technology

ORGANISERS

ROTARACT CLUB OF SKCT

| | | |
|--|--|---|
| Rtr. Kanishka PT Director of Publications | Rtr. Keerthna P Community Service Chairperson | Rtr. Vishal S Community Service Director |
|--|--|---|

ROTARACT CLUB OF CHENNAI CAPITAL






| | | |
|---|---|--|
| Rtr. Ajay Kumar P Associate International Service Director | Rtr. Vijai Sri Arun K P Community Service Director | Rtr. Jayan L Associate Community Service Director |
|---|---|--|

| | | | |
|--|---|--|--|
| Rtr. Keerthik Vishal M S President Rotaract Club of Sri Krishna College of Technology | Rtr. Vijayandrabari A P Secretary Rotaract Club of Sri Krishna College of Technology | Rtr. Prince John Menazes C President Rotaract Club of Chennai Capital | Rtr. PP. Lakshmi Srinivasan CM Secretary Rotaract Club of Chennai Capital |
|--|---|--|--|


rac_skt www.raeskt.in RacSket raesket@gmail.com

Mr D Mohit Kumar, Student of Third B.E. EEE B Section and Director of International Services, served as a Resource Person for the Covid Awareness Programme on “Mask Podunga Makakkale!!” organised by Community Service and Publications Team Rotract Club, Sri Krishna College of Technology (3201), Coimbatore in association with the Rotaract Club of Chennai Capitals (3232) on 29 January 2022.






EEE | STUDENTS' ACHIEVEMENTS | COVID AWARENESS EVENT IN ROTARACT CLUB

Rotaract CLUB OF S.K.C.T.     


**முக்கவசம் அணிவதும்
அவசியம்..
மூன்றடி தூரமும்
அவசியம்..**





இன்றைய தடுப்பூசி முகாம்கள் (29/01/2022) : _____

Rotaract CLUB OF S.K.C.T.     


**நாம் வீட்டங்க,
இந்த ஊரடங்கும் !
இந்த ஊரடங்க,
அந்த நோயடங்கும் !!**



இன்றைய தடுப்பூசி முகாம்கள் (29/01/2022) : _____

Rotaract CLUB OF S.K.C.T.     

**விழித்திரு !
விலகியிரு !!
வீட்டிலேயே இரு !!!**



இன்றைய தடுப்பூசி முகாம்கள் (29/01/2022) : _____

Rotaract CLUB OF S.K.C.T.     

**கொரோனாவைக் கண்டு
அஞ்சும் உனக்கு
தடுப்பூசி செலுத்த
தயக்கம் எதற்கு ?**



இன்றைய தடுப்பூசி முகாம்கள் (29/01/2022) : _____

EEE | STUDENTS' ACHIEVEMENTS | COVID AWARENESS EVENT IN ROTARACT CLUB



**IT | STUDENT ACHIEVEMENT | INTERNSHIP OFFER
- INCRESO TECHNOLOGY SOLUTIONS**



Mr Krishnakumar V, Student of Third B.Tech. IT A section, has been selected as an Intern for the position of **“Software Engineer”** in Inresco Technology Solutions Private Limited.

S&H | STUDENT PARTICIPATION | HACKER RANK

ID: CB767DA0487C

HackerRank
Certificate

This is to certify that

RISHI SUNDAR . C

has successfully cleared the assessment for the skill
Python (Basic)

07 Jan, 2022

Date

J. Harishankaran
Harishankaran K
CTO, HackerRank

Mr Rishi Sundar C, Student of First B.E. CSE C section, cleared the assessment for the skill **“Python (Basic)”** conducted by Hacker Rank.

S&H | STUDENTS' PARTICIPATION | WEBINAR ON IPR



The Students of First B.E./B.Tech. attended a webinar on “Intellectual Property Rights Awareness Programme” organised by CRD & IIC - SKCT in association with IPR Office, Chennai under National Intellectual Property Awareness Mission on 25 January 2022.

CIVIL | STUDENT PARTICIPATION | ONLINE TRAINING ON PROCESSING OF VARIOUS BAKERY PRODUCTS

**National Institute of Food Technology,
Entrepreneurship and Management (NIFTEM)-Thanjavur**
(an Institute of National Importance; formerly Indian Institute of Food Processing
Technology-IIFPT), Pudukkottai Road, Thanjavur - 613 005, Tamil Nadu



e-CERTIFICATE PARTICIPATION

This is to certify that **BARANI KUMAR** has undergone **One day Online Training Programme on "Processing of Various Bakery Products"** organized by the **Food Processing Business Incubation Centre (FPBIC), National Institute of Food Technology, Entrepreneurship and Management (NIFTEM)-Thanjavur** held on 28th January 2022.

Date: 28.01.2022

NIFTEM-T/FPBIC/OT/2022/0107

Programme Coordinator

Mr Barani Kumar, Student of Third B.E. Civil Engineering, attended a One-day online Training Programme on **"Processing of Various Bakery Products"** organised by National Institute of Food Technology, Thanjavur on 28 January 2022.

MECH | STUDENTS' ACHIEVEMENTS | INDUSTRY INTERNSHIP PROGRAM



"Industry Project" Allocated Communication

Respected Prof. Sundararaj S,

Sri Krishna College of Technology, Coimbatore, Tamil Nadu.

Greetings!

Hope you & your family are safe and doing well.



With reference to the online meeting attended by your collage/ institute/ university on 11th Jan 2022 @ 04.00 P.M w.r.t the LAUNCH of 02nd edition **ConnectNext - Industry Internship Program** for the Year 2021 -22 and 'Project & Team' nomination/ registration submitted on 13-Jan-22.

We are happy to inform that your collage/ institute/ university is allocated with the Choice A **Industrial Project** titled - **"Wind Powered Lighting & Charging Units For Roads/ Highways using Magnetic Levitation"** for your students to undergo the ConnectNext - Industry Internship Program as per the project team & professor (industry project guide) details shared with us.

To confirm your acceptance for the allocated 'Industrial Project' we request your collage/ institute/ university, Principal/ HOD to fill & submit the attached 'Compliance

Mr R S Pravin Babu, Mr K Praveen, Mr S Krithik and Mr J Anton Joel, Students of Third B.E. Mechanical Engineering, have been selected for an Industry Internship Program through Dassault Systemes La Fondation for the project on **"Wind Powered Lighting & Charging Units for Roads / Highways using Magnetic Levitation"** during 2021-2022. Dr S Sundararaj, Professor, Dept. of Mechanical Engineering, mentored the students.

FACULTY PARTICIPATIONS



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S&H | FACULTY ACHIEVEMENT | AWARD RECEIVED



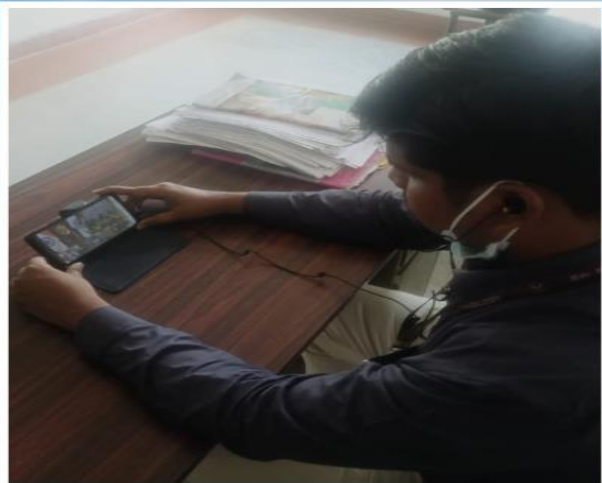
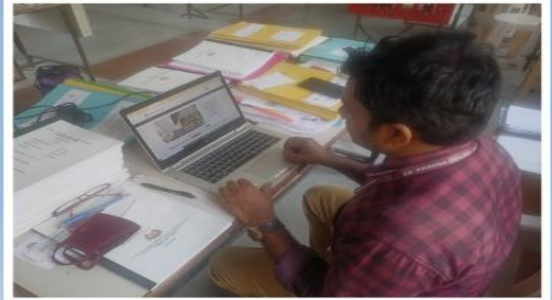
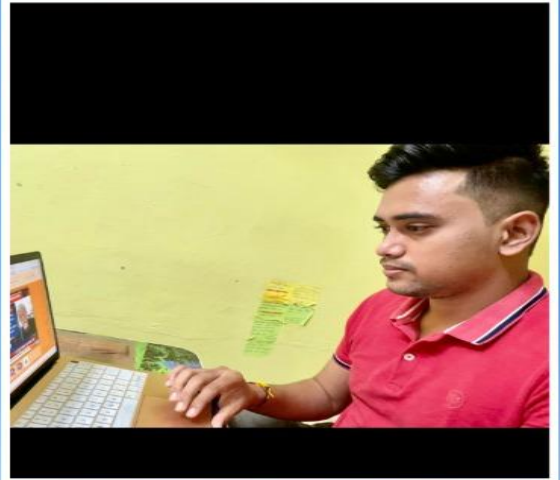
Ms P Sheeba Ranjini, Asst. Professor, Dept. of Science and Humanities, received the "Best Woman Faculty Award" for her academic contribution under the category of Mathematics during 2021-2022 by Novel Research Academy, Pondicherry.

IT | FACULTY ACHIEVEMENT | CERTIFICATE OF APPERCIATION | UiPATH ICT LEARNING ACADEMY



Mr Suresh Kumar A, Asst. Professor, Dept. of IT, has been recognised as a Top Contributor by UiPath Learning Eco System for making “RPA Skillathon 2021” a huge success and received a gift coupon.

EEE | FACULTY PARTICIPATION | 30th FOUNDATION DAY CELEBRATION



The Members of Faculty and Students from the Dept. of EEE attended a **“PM Foundation Day Programme”** on 31 January 2022.

**S&H | FACULTY PARTICIPATION | 30th
FOUNDATION DAY CELEBRATION**

The Members of Faculty and Students of First B.E./B.Tech. attended a programme on **“National Commission for Women”** organised as a part of the celebration of the 30th Foundation Day on 31 January 2022. Hon'ble Prime Minister Shri Narendra Modi facilitated the session.

MECH | FACULTY ACHIEVEMENT | FUND RECEIVED

Dr S Sundararaj, Professor and Mr K Dharsan, Alumnus (Batch 2016-2020), Dept. of Mechanical Engineering, received a fund from Dassault Systemes La Fondation - Pune for the project on “**VR based Experimental Learning Experience**” on 31 January 2022.

CSE | PAPER PRESENTATION | INTERNATIONAL CONFERENCE ON ADVANCED NETWORK TECHNOLOGIES AND INTELLIGENT COMPUTING (ANTIC-2021)



International Conference on
Advanced Network Technologies and Intelligent Computing (ANTIC-2021)

17-18 December, 2021

Organized By:

Department of Computer Science, Institute of Science, Banaras Hindu University, Varanasi, India

CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms.

R. Nithiavathy

presented a paper titled

COPRAS-based Decision-Making Strategy for Optimal Cluster Head Selection in WSNs

authored by

J. Sengathir, M. Deva Priya, R. Nithiavathy, S. Sam Peter

in the International Conference on Advanced Network Technologies and Intelligent Computing

(ANTIC-2021) held online during December 17-18, 2021.

Dr R Nithiavathy, Asst. Professor, Dept. of CSE, presented a paper on “COPRAS-based Decision-Making Strategy for Optimal Cluster Head Selection in WSNs” in an International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2021) during 17-18 December 2021.

CIVIL | FACULTY ACHIEVEMENT | BEST YOUNG FACULTY AWARD



Ms S Muthukeerthana, Asst. Professor, Dept. of Civil Engineering, received the “**Best Young Faculty Award**” under the category of Civil Engineering from Novel Research Academy during 2021-2022.

MECH | FACULTY ACHIEVEMENT | COORDINATOR FOR INTELLECTUAL PROPERTY AWARENESS PROGRAM



Dr S Sundararaj, Professor, Dept. of Mechanical Engineering, received a certificate for coordinating the “**Intellectual Property Awareness Program**” under the National Intellectual Property Awareness Mission on 25 January 2022.

**ECE | FACULTY CERTIFICATION | ONLINE COURSE
ON SUCCESSFUL NEGOTIATION: ESSENTIAL
STRATEGIES AND SKILLS**



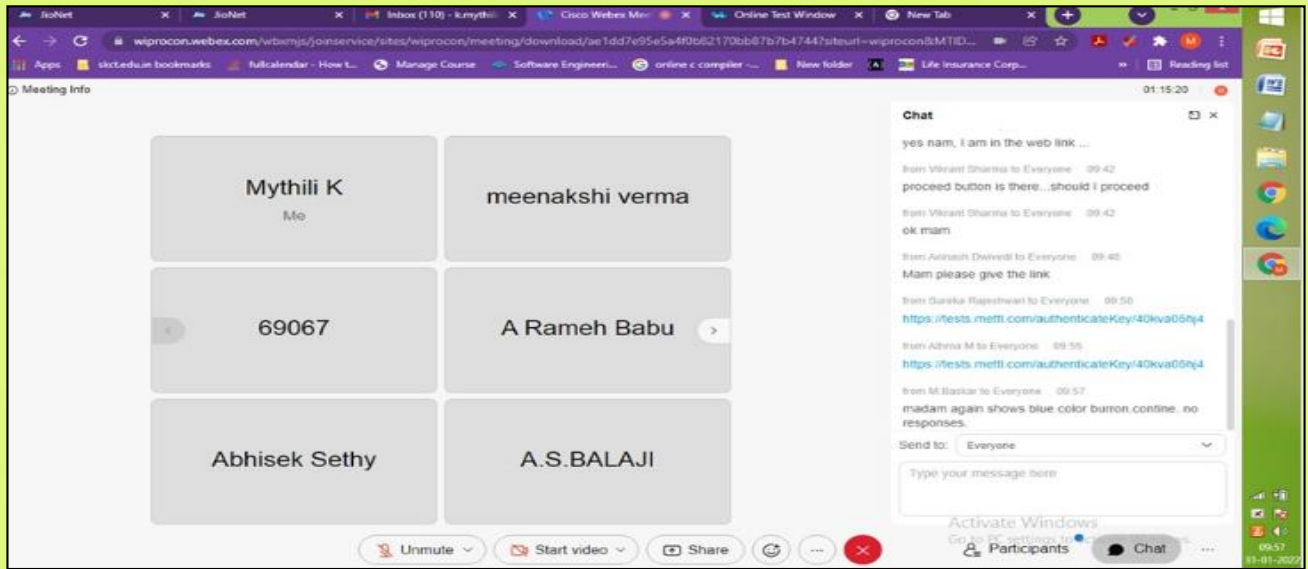
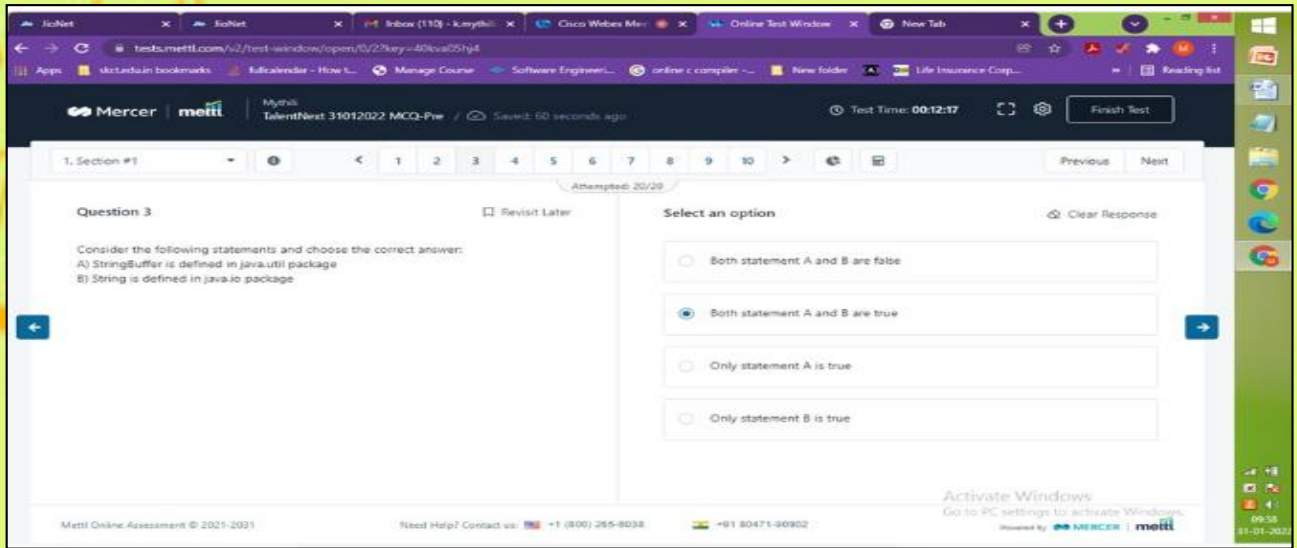
Dr Anju Asokan, Asst. Professor, Dept. of ECE, completed 7-week course on “**Successful Negotiation: Essential Strategies and Skills**” offered through Coursera on 11 January 2022.

**IT | FACULTY CERTIFICATION | ONLINE COURSE ON
JAVA PROGRAMMING**



Ms S Reshma Sultana, Asst. Professor, Dept. of IT, completed an online course on “**Java Programming**” offered through Great Learning on 01 February 2022.

IT | FACULTY PARTICIPATION | WIPRO PRP



Ms K Mythili, Asst. Professor, Dept. of IT, attended the “**Wipro PRP Training**” organised by Wipro Starting on 31 January 2022.

IT | FACULTY PARTICIPATION | REPUBLIC DAY CELEBRATION | MOE INSTITUTION INNOVATION COUNCIL



Ms D Ranjani, Asst. Professor, Dept. of IT, secured the Fourth Place in a **"Republic Day Celebration"** organised by MOE Institution Innovation Council, Gulzar Group of Institutes, Ludhiana on 26 January 2022.

CIVIL | FACULTY PARTICIPATION | 73rd REPUBLIC DAY



The Members of Faculty from the Dept. of Civil Engineering participated in the “73rd Republic Day Celebration” on 26 January 2022.

ICE | FACULTY PARTICIPATION | 75 CRORE SURYA NAMASKAR

Supported by

75
Azadi Ka
Amrit Mahotsav

75 Crore Surya Namaskar
Certificate

750 Million
Suryanamaskar

Organised by

Mr. Ajith B. Singh

has participated in the 750 Million Suryanamaskar challenge for 21 days organized on the auspicious occasion of the 75th anniversary of Independence of India - Azadi Ka Amrit Mahotsav.

Hon. Patrons

| | | | | |
|--|--|--|---|---|
| Daaji Global Guide, Heartfulness | Swami Ramdev President, Patanjali Yogpeeth | Swami Govind Dev Giri Founder, Geeta Parivar | | |
| Ekta Boudelrique Secretary | Chaitanya Kashyap Vice President | Dr. Jaideep Arya President, Event Committee | Udit Sheth Vice President | Dr. Sanjay Malpani Project Director |

Central Organising Committee

www.75suryanamaskar.com

Mr Ajith B Singh, Asst. Professor, Dept. of ICE, participated in an event on “75 Crore Surya Namaskar” on 03 February 2022.

RESEARCH



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CSE | PATENT GRANTED



Australian Government
IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021107057

The Commissioner of Patents has granted the above patent on 17 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

K. Kala of Associate Professor, Department of Computer Science, Nachiappa swamikal Arts and Science College Koviloor, Karakudi Tamil Nadu 630307 India

V.A. PRAVINA of Assistant Professor, Department of Electronics and Communication Engineering, DMI College of Engineering NH-48, Palanchur, Nazarethpet Post Chennai, Tamil Nadu 600123 India

P.K. Poonguzhali of Associate Professor, Department of Electronics and Communication Engineering, Hindusthan College of Engineering and Technology Othakalmandapam, Coimbatore Tamil Nadu 641032 India

R. Vidhya of Associate Professor, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology Othakalmandapam Coimbatore 641032 India

B. G. Geetha of Professor, Department of Computer Science and Engineering, K.S. Rangasamy College of Technology Tiruchengode Tamil Nadu 637215 India

D. Vendhan of Assistant Professor, Department of Information Technology, KAMARAJ College of Engineering and Technology SPGC Nagar, K. Velakulam Madurai, Tamil Nadu 625701 India

S. Abarna of Assistant Professor, Department of Computer Science and Engineering, Grace College of Engineering Mullakkadu Tuticorin, Tamil Nadu 628005 India

M. Krishna Kumar of Assistant Professor, Department of Electronics and Communication Engineering, Grace College of Engineering Mullakkadu Tuticorin, Tamil Nadu 628005 India

T. Murugeswari of Assistant Professor, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Valley campus Pollachi Highway Coimbatore Tamil Nadu, 641032 India

T. Manjula of Assistant Professor, Department of Electrical and Electronics Engineering, Hindusthan College of Engineering and Technology, Valley campus Pollachi Highway Coimbatore Tamil Nadu, 641032 India

Title of invention:
Node discovery mechanism for IoT capillary Networks

Name of inventor(s):
Kala, K.; PRAVINA, V. A.; Poonguzhali, P. K.; Vidhya, R.; Geetha, B. G.; Vendhan, D.; Abarna, S.; Krishna Kumar, M.; Murugeswari, T. and Manjula, T.

Term of Patent:
Eight years from 24 August 2021



Dated this 17th day of November 2021
Commissioner of Patents

PATENTS ACT 1990
The Australian Patent Register is the official record and should be referred to for the full details pertaining to this IP Right

This data, for application number 2021107057, is current as of 2022-01-30 21:00 AEST

Dr R Vidhya, Asst. Professor, Dept. of CSE, received a Patent grant on
"Node for Discovery Mechanism for IoT Capillary Networks."
 Patent No. 2021107057.

ECE | PAPER PUBLISHED IN SCI JOURNAL



Dr G M Tamil Selvan, Professor and Head, Dept. of ECE, published a paper on **“Location Prediction for Improved Human Safety at Complex Environments”** in a Journal on Computers, Materials & Continua, Tech Science Press, indexed in Scopus and SCI with an Impact factor of 3.772.

ECE | PAPER PUBLISHED IN SPRINGER JOURNAL

Arabian Journal for Science and Engineering
<https://doi.org/10.1007/s13369-021-06500-y>

RESEARCH ARTICLE-ELECTRICAL ENGINEERING



Pentagon-Shaped MIMO Antenna for INSAT C Band Applications

K. Sumathi¹

Received: 6 July 2021 / Accepted: 9 December 2021
© King Fahd University of Petroleum & Minerals 2021

Abstract

A micro-strip fed four-port pentagon-shaped 4×4 multiple-input multiple-output (MIMO) antenna with a single band-notched characteristic is designed for C band applications. With a frequency range of 2.2 to 3.9 GHz, the band-notched characteristic is centered at 2.6 GHz. The proposed antenna limits S band operation from 2.2 to 3.9 GHz. The proposed design is completed in five steps, each of which yields a different result. The suggested design consists of six stages, each of which results in a progressive increase in gain, bandwidth, and radiation efficiency. It is made on a low-cost FR4 substrate with a thickness of 1.6 mm. To boost gain and bandwidth and to decrease mutual coupling between close elements, a defective ground structure is employed. In the desired frequency of operation, the proposed 4×4 MIMO antenna has good return loss characteristics, low mutual coupling, and a low envelope correlation coefficient. The proposed 4×4 MIMO with DGS configuration is suitable for the INSAT (Indian National Satellite) receiving system. The ADS tool is used for simulations, and the fabricated patch antenna is tested with a vector network analyzer. The measured and simulated values are nearly identical. The proposed antenna with exhaustive study, simulated return loss, and the radiation pattern are detailed in this paper.

Keywords MIMO · DGS · INSAT · Band notch · Mutual coupling

Dr K Sumathi, Professor, Dept. of ECE, published a paper on “**Pentagon-Shaped MIMO Antenna for INSAT C Band Applications**” in an Arabian Journal for Science and Engineering, Springer Journal with an Impact Factor of 2.334 in January 2022.

CIVIL | PAPER PUBLISHED IN SCI JOURNAL



International Research Journal of Engineering and Technology (IRJET)

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www.irjet.net

p-ISSN: 2395-0072

EXPERIMENTAL INVESTIGATION AND ANALYSIS ON SELF COMPACTING CONCRETE USING INDUSTRIAL WASTES AND HYBRID FIBRES

Pooja S¹, Vennila A², Sree Vidya V³

¹S. Pooja, Student, Department of Civil Engineering, Sri Krishna College of Technology, Coimbatore, Tamilnadu, India..

²Mrs. A. Vennila, Assistant Professor, Department of Civil Engineering, Sri Krishna College of Technology, Coimbatore, Tamilnadu, India.

³Mrs. V. Sree vidya, Professor, Department of Civil Engineering, Sri Krishna College of Technology, Coimbatore, Tamilnadu, India

ABSTRACT - Over the past few decades, building activity has risen dramatically in almost all developing countries around the world. Because of its ever-increasing demand, cement is becoming a scarce product around the world. It's time to look for some substitute materials that can partially or completely replace cement and sand in concrete without compromising its consistency, strength, or durability and other characteristics. Self-Compaction Concrete (SCC) is used to save time and increase the filling ability of extremely congested structural members through its own weight without using vibration. The parameters of SCC strength were investigated. The use of foundry sand in concrete reduces the amount of natural river sand and M-

II. INTRODUCTION

All of the building materials, such as cement, sand, and coarse aggregate, come from natural sources. There is a huge need to meet demand due to infrastructure growth. Concrete, as the most used building material, is used in a wide range of industries, contributing to the depletion of natural resources. Cement development is increasing, which has been depleting the environment. Self-compacting concrete (SCC) is a significant advancement in the building industry. The concrete, as the name implies, flows under its own weight without using any vibration. Where congested reinforcement is used and higher mechanical compaction is needed, this concrete type is commonly used.

Ms A Venilla, Asst. Professor, Dept. of Civil Engineering, published a paper on “**Experimental Investigation and Analysis on Self Compacting Concrete Using Industrial Wastes and Hybrid Fibres**” in a SCI Journal - IRJET Journal of Research, Scopus Journal on 12 December 2021.

ECE | PAPER PUBLISHED ANNA UNIVERSITY
ANNEXURE 1 SPRINGER JOURNALJournal of Electrical Engineering & Technology
<https://doi.org/10.1007/s42835-021-00994-0>

ORIGINAL ARTICLE

**Development of Symmetrical Fault Detection During Power Swing Based on Entropy**R. Devi¹ · A. Kirthika² · M. Divya Priyadarshini³ · Akash Ladha⁴ · A. Anju² · T. Rajesh Kumar⁵ · S. Ganesh Prabhu² · Lijo Jacob Varghese¹ · P. Santhosh¹Received: 7 June 2021 / Revised: 20 December 2021 / Accepted: 27 December 2021
© The Author(s) under exclusive licence to The Korean Institute of Electrical Engineers 2022**Abstract**

This paper proposes the new technique for detecting symmetrical faults occurred during power swing. The proposed technique is simulated for the protection of two machine system, distribution system with distributed generation and WSCC 9-bus system in Matlab. Symmetrical fault detection during power swing is a critical issue. Hence, in this paper, modified weighted wavelet packet entropy technique is proposed to detect symmetrical fault during power swing. This entropy criterion is applied to wavelet packet coefficients to enhance the energy of fault signals and to reduce the vector size of the wavelet packet transform coefficients. This technique provides better results irrespective of various fault locations, fault inception angle and power swing frequencies. This technique is compared with conventional scheme and the results are tabulated. Moreover, this technique is also able to detect asymmetrical faults with high impedance during power swing. Mathematical derivation support system performance through simulation.

Keywords Digital protective relays · Power swing · Symmetrical fault · Wavelet packet transform · Entropy and transient disturbances**1 Introduction**

In Power system, the impedance seen by distance relays varies during sudden disturbance such as change in demand, short circuit, outage of large generation and power swing. This impedance also enters the protection zones and results

into unnecessary relay operation. During power swing, the relays should not trip i.e., power swing blocking and it has to trip for the faults without any delay [1].

Asymmetrical faults are unbalanced signals and it contains negative and zero sequence components. These components are useful in detecting asymmetrical fault

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Published online: 17 January 2022

Springer

Dr A Kirthika, Assoc. Professor, Mr S Ganesh Prabhu and Dr Anju Ashokan, Asst. Professors, Dept. of ECE, published a paper on “Development of Symmetrical Fault Detection during Power Saving based on Entropy” in a Journal of Electrical Engineering & Technology, Anna University Annexure 1 Springer Journal with an Impact Factor of 1.069 in January 2022.

EEE | JOURNAL REVIEWER



Dr R Senthilkumar, Asst. Professor, Dept. of EEE, received a **“Certificate of Excellence”** in recognition of an outstanding contribution to the quality of the journal (IJECC).

ALUMNUS INTERACTION



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IT | ALUMNUS INTERACTION

Mr S Ramprakash, Alumnus (Dept. of IT), Software Application Engineer, Lumen Technology, Chennai, interacted with the Members of Faculty on 22 January 2022.

NEW VISTAS OF LEARNING



@skctdigest

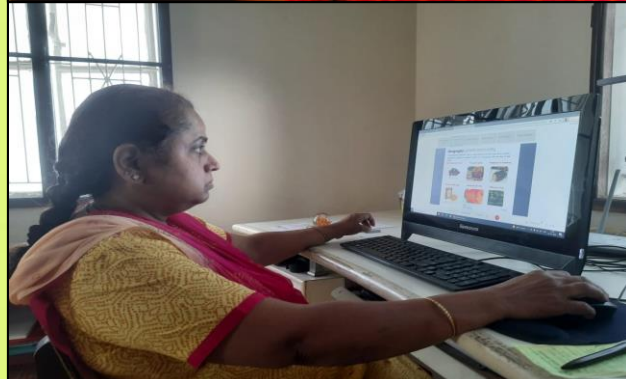
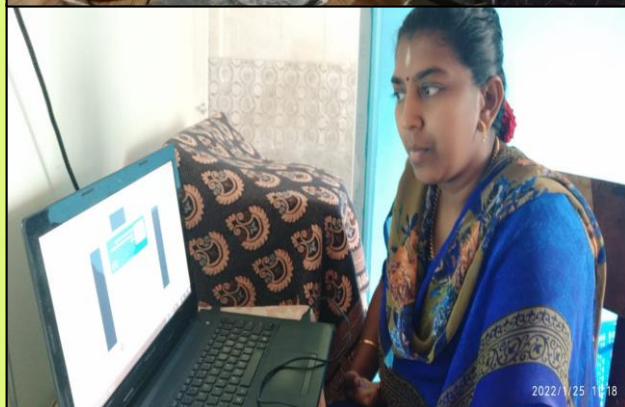
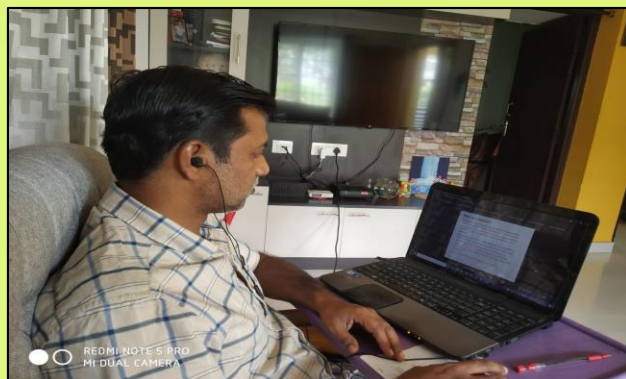


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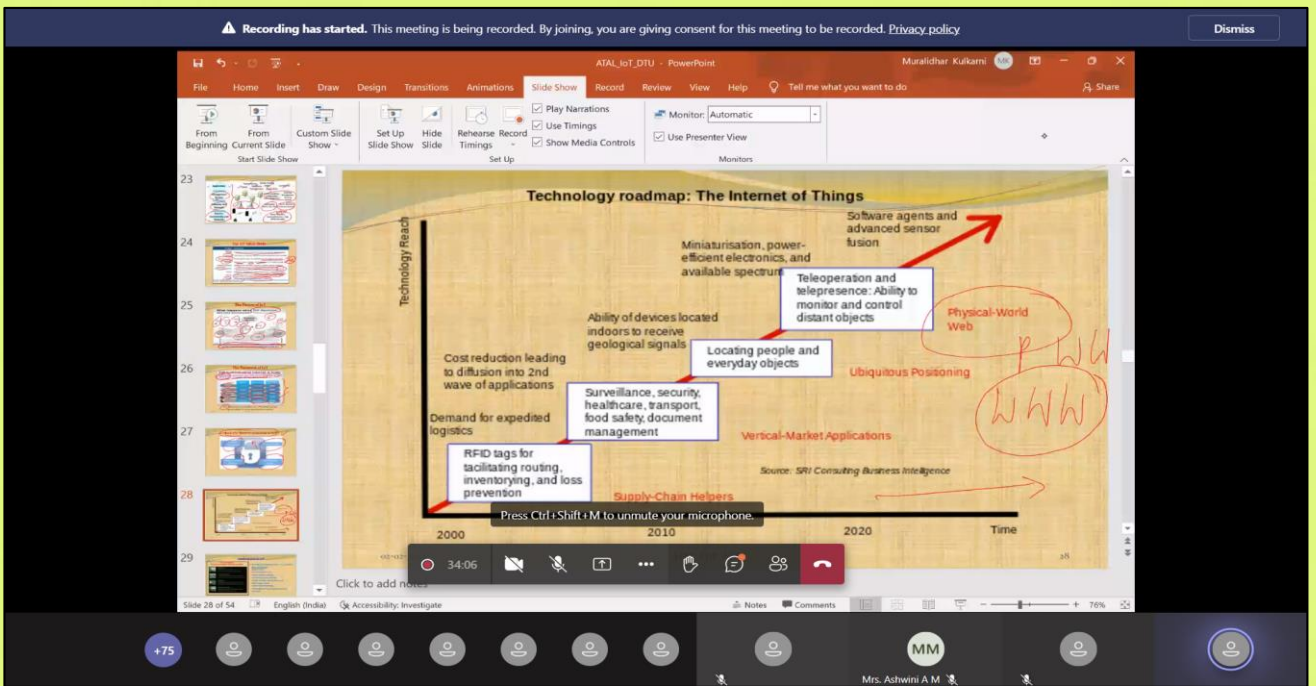
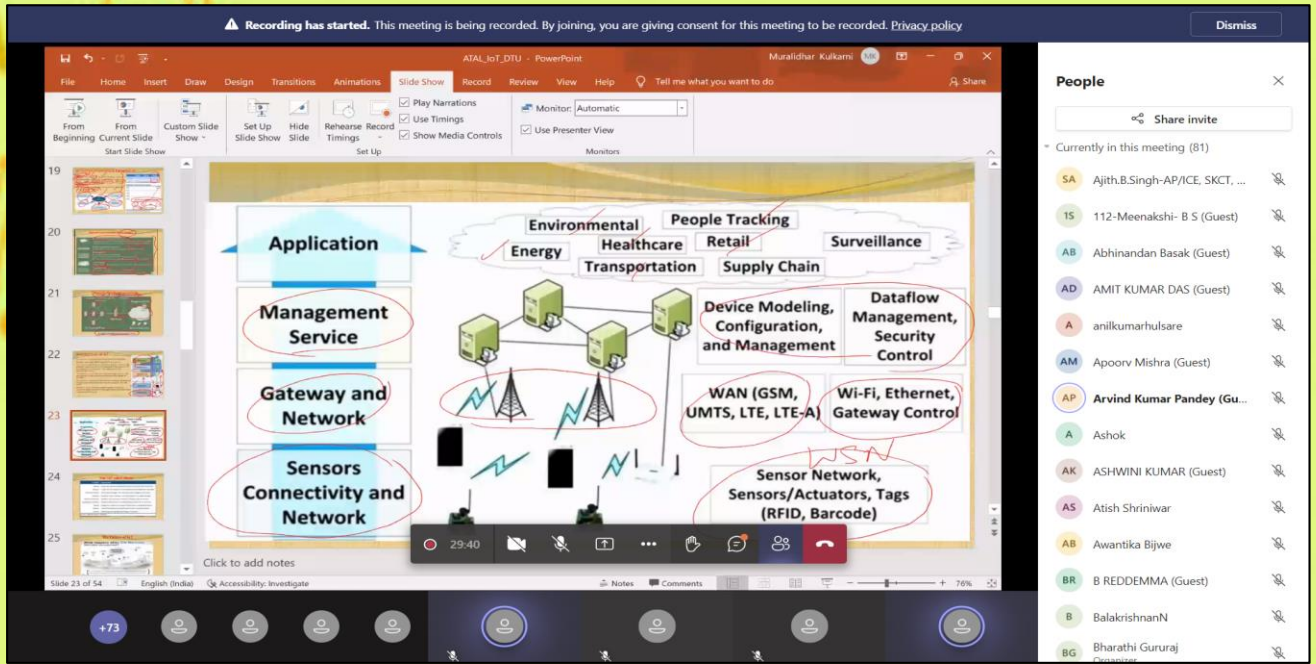
digestfeedback@skct.edu.in

S&H | WEBINAR ON INTELLECTUAL PROPERTY RIGHTS AWARENESS PROGRAMME



Dr Lijo Jacob Varghese, Professor and Head, and the Members of Faculty, Dept. of Science and Humanities, attended a webinar on “Intellectual Property Rights Awareness Programme” organised by CRD & IIC - SKCT in association with IPR Office, Chennai under National Intellectual Property Awareness Mission on 25 January 2022.

ICE | ATAL ONLINE FDP ON INDUSTRY 4.0



Mr Ajith B Singh, Asst. Professor, Dept. of ICE, attended a Five-day ATAL online FDP on “Industry 4.0” organised by ACS College of Engineering, Belagavi during 31 January-04 February 2022.

CSE | FDP ON CYBER FORENSICS

Participants:

- ST Suganya T (me)
- JAYA ENGINEERING C... (Host)
- SS Sriram Swaminathan (Co-host)
- A Admin
- A Ajay
- AS ALANGARAM SELVARAJ
- Asst Prof CSE
- CK Chandra kala
- CP Charles Prabu V
- D Dr.V.Balajivijayan

Slide Content: Remaining forensic tech & techniques at a glance

Malware Forensics:

- Primarily done through reverse engineering.
 - o Decompile the code and understand the logic of the malware. Assembly language is paramount here.
- Useful to set up an isolated VM (sandbox) and let the malware execute to completion.
 - o This will give a good idea of what its primary function is and the directories it reaches.
 - o Used in combination with network forensics, can be used to determine if data was exfiltrated.

Email Forensics:

- Mail servers store all mails sent and received.
- On the client side, the primary evidence will be the email headers, which will contain crucial info on the sender, receiver, the time and data the mail was sent along with the message ID.
- Can also be used to identify the email software using "X-Mailer" or "User-Agent" fields.
 - o If non-standard mail provider is used, an investigator could reach out to the vendor, who will usually cooperate with the investigator (as the alternative would be a potential service outage, which would result in loss of business).

Memory Forensics:

- Volatile memory and will lose all its contents if power supply is cut-off.
- Introduces the need to capture live data by taking a 'Memory Dump', which creates a point-in-time copy of the contents of the memory.
- Multiple memory dumps are usually taken, and the observations from these dumps are tallied into one table and presented in a single source at the end of an investigation.

Ms T Suganya, Asst. Professor, Dept. of CSE, attended a one-week Faculty Development Training Programme on “Cyber Forensics” organised by Jaya Engineering College and sponsored by Anna University, Chennai.

CSE | ONLINE NATIONAL SEMINAR ON AMAZON WEB SERVICES**Sri Sivasubramaniya Nadar College of Engineering**

(An Autonomous Institution, Affiliated to Anna University Chennai)

Department of Computer Science and Engineering

Rajiv Gandhi Salai (OMR), Kalavakkam - 603 110, Tamil Nadu, India

Online National Seminar on Amazon Web Services

January 25, 2022

Certificate of Participation

This is to certify that Dr./Mr./Ms. Nirmala.D from Sri Krishna College of Technology, has participated in **One Day Online National Seminar** titled "Amazon Web Services" held on January 25, 2022.


HOD-CSE




PRINCIPAL

Ms D Nirmala, Asst. Professor, Dept. of CSE, attended an online National Seminar on "Amazon Web Services" on 25 January 2022.

MEETINGS & DISCUSSIONS



@skctdigest

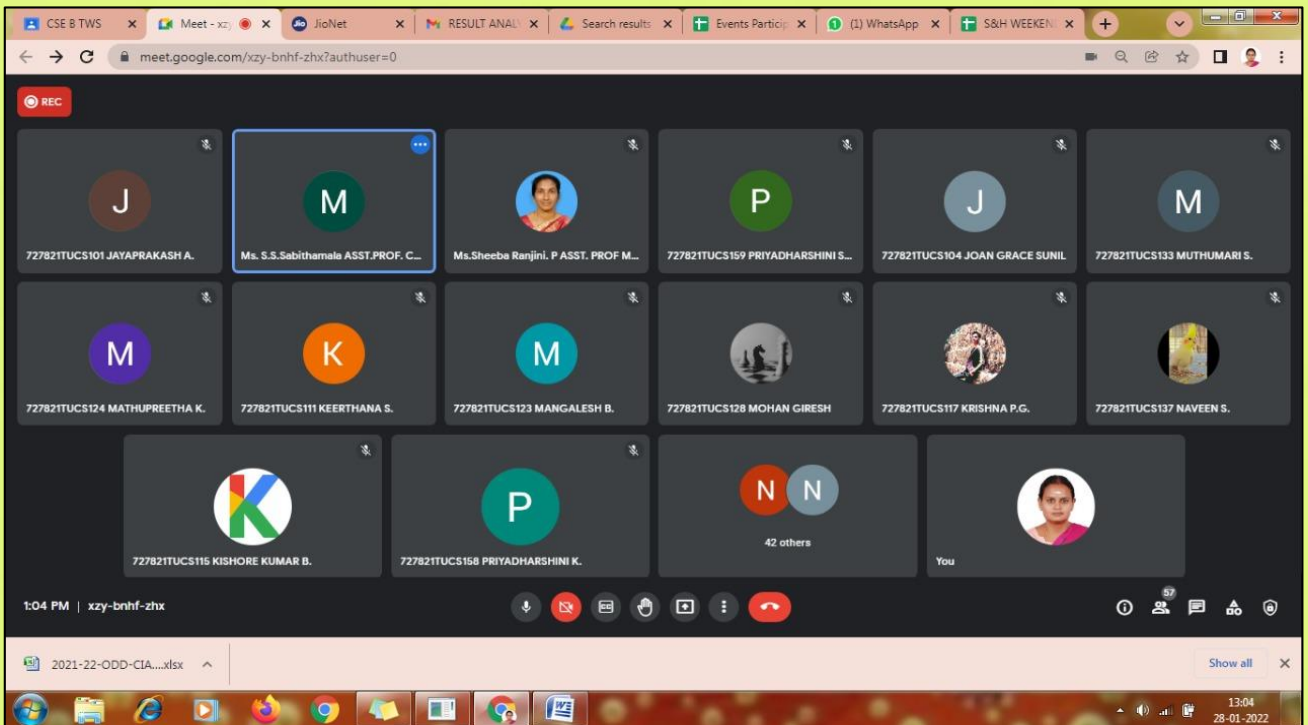
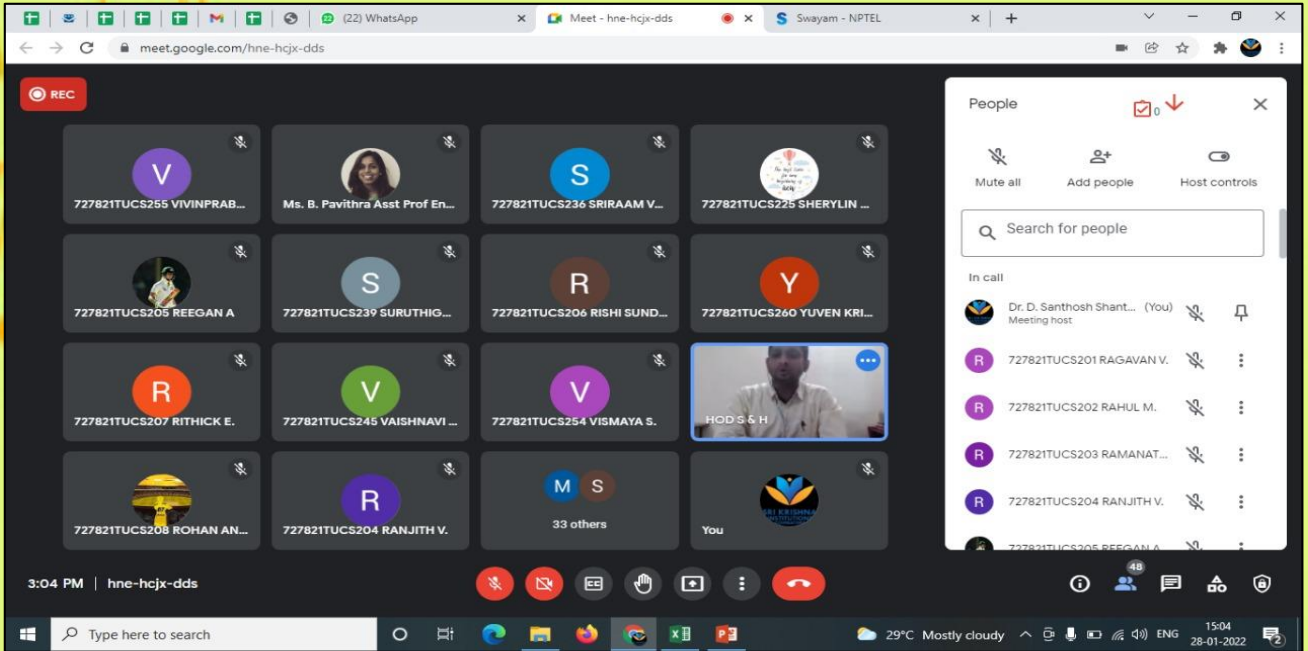


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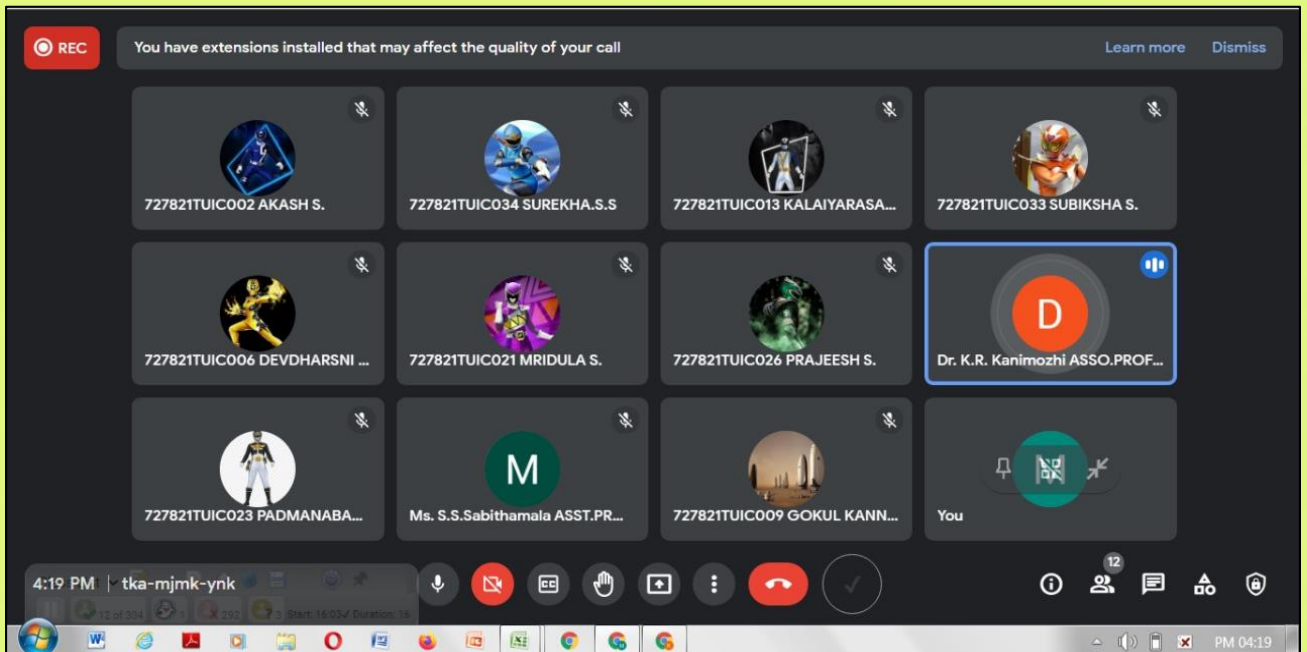
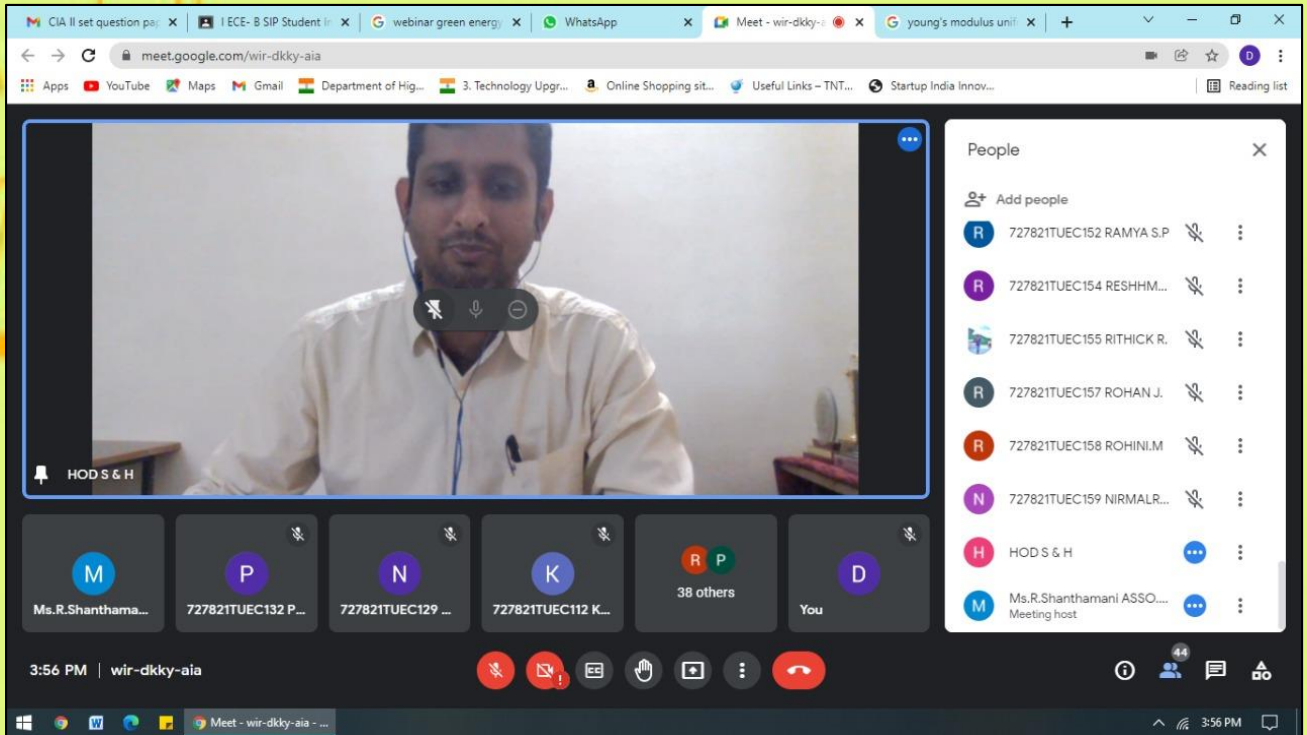
digestfeedback@skct.edu.in

S&H | CLASS COMMITTEE MEETING



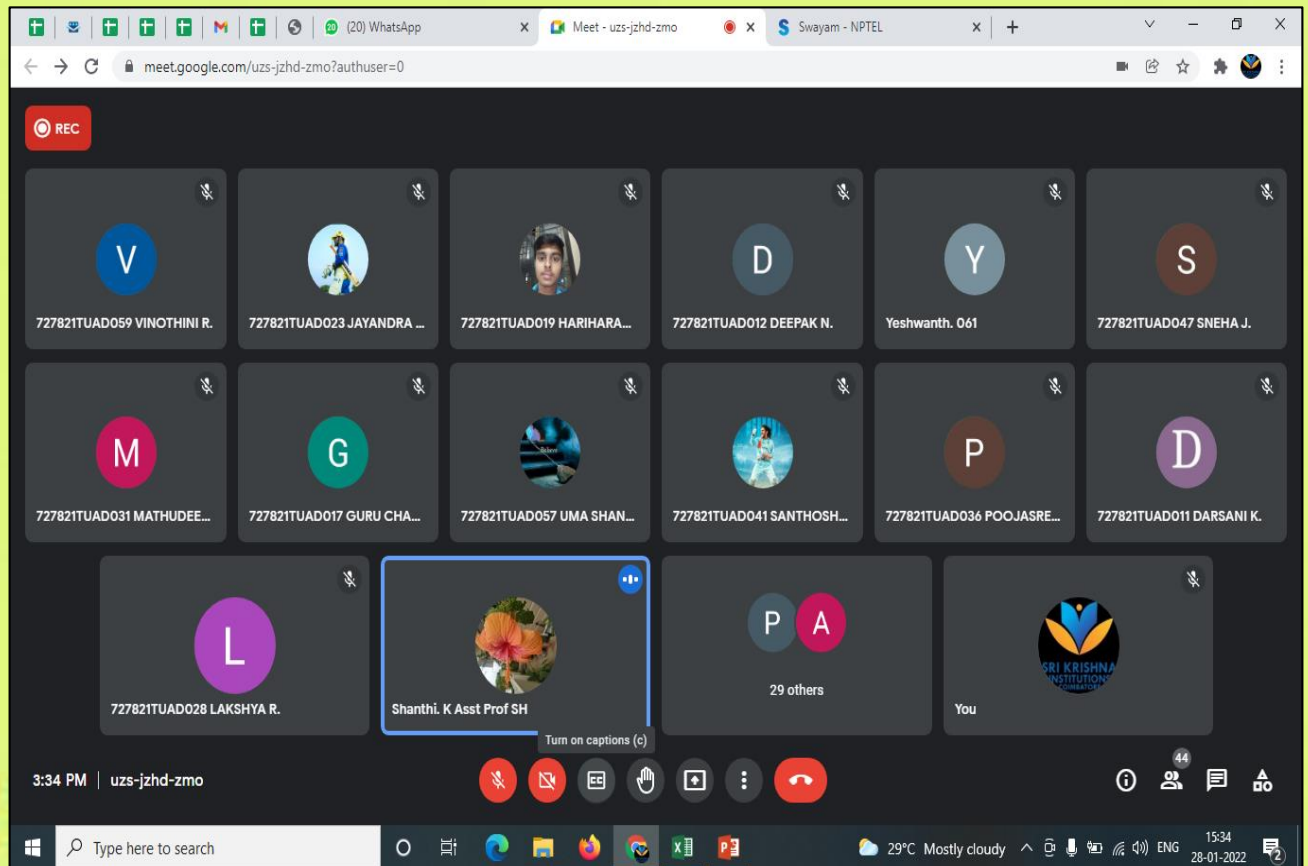
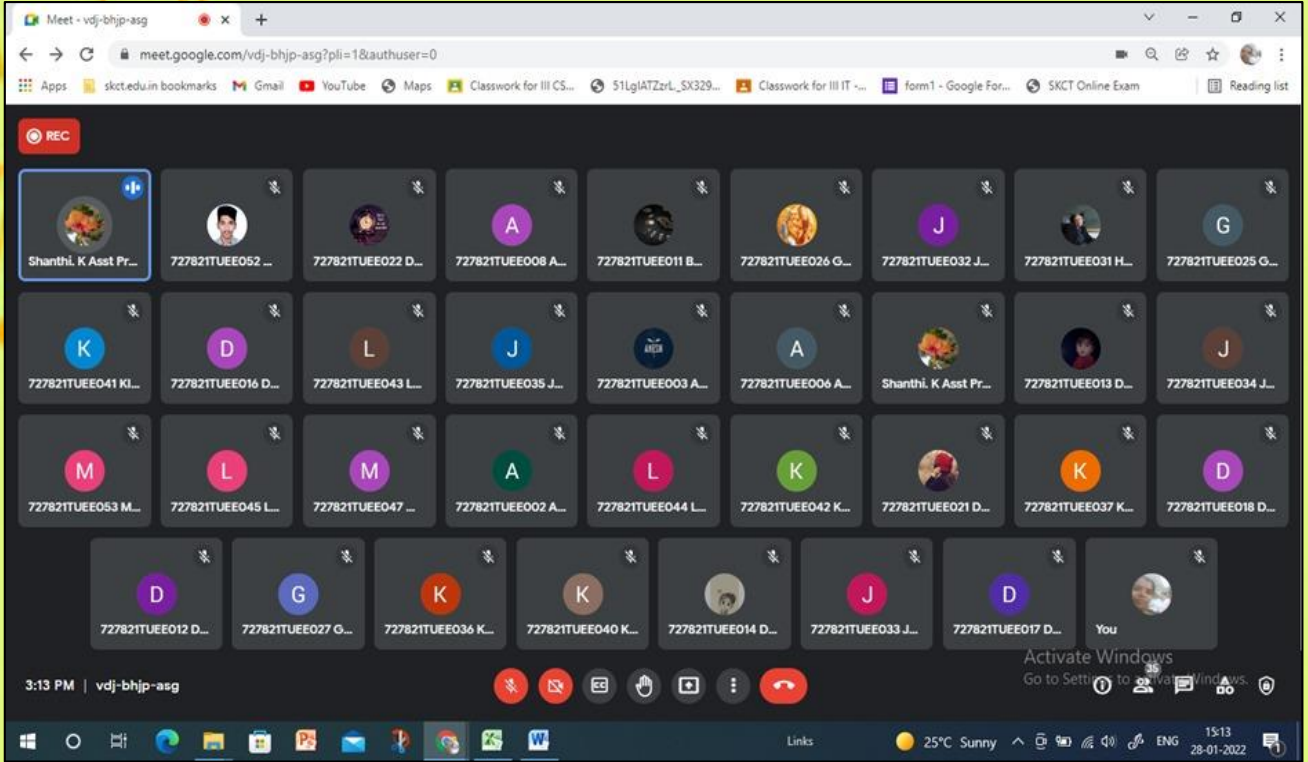
Dr Lijo Jacob Varghese, Professor and Head, Dept. of Science and Humanities, conducted the **“First Class Committee Meeting”** regarding the Academic Activities on 28 January 2022.

S&H | CLASS COMMITTEE MEETING



Dr Lijo Jacob Varghese, Professor and Head, Dept. of Science and Humanities, conducted the **“First Class Committee Meeting”** regarding the Academic Activities on 29 January 2022.

S&H | CLASS COMMITTEE MEETING



ICE | DEPARTMENT MEETING



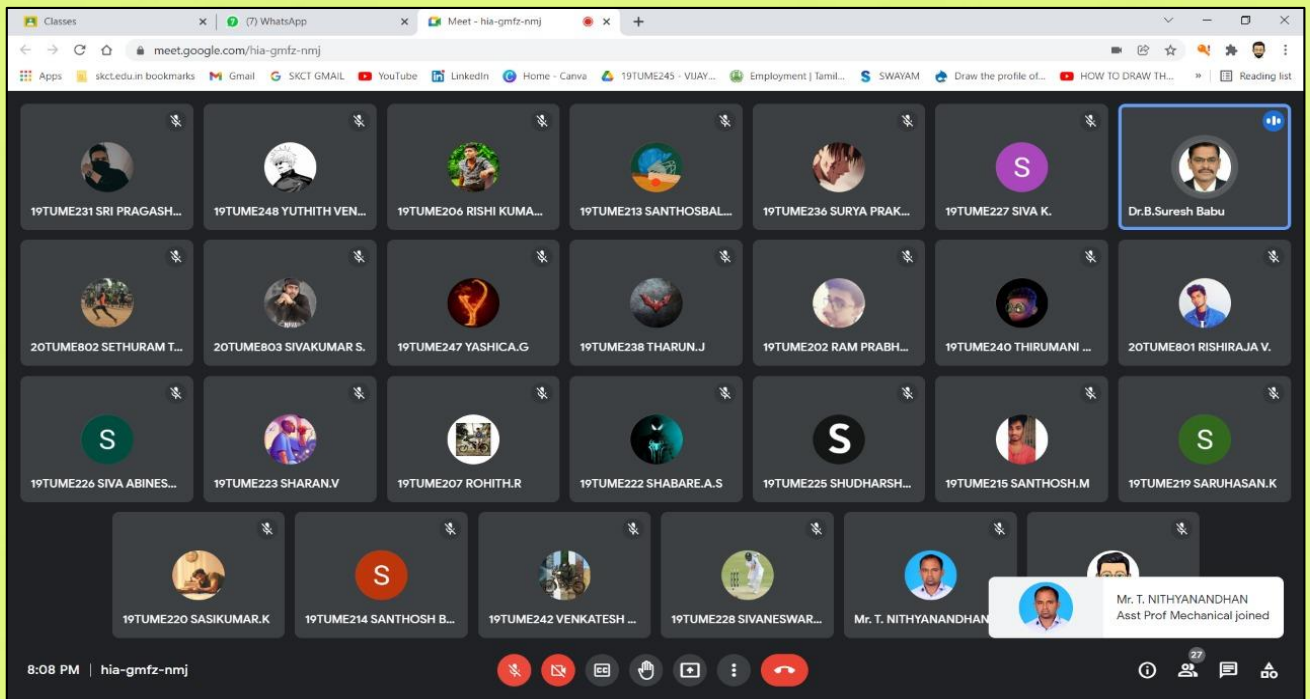
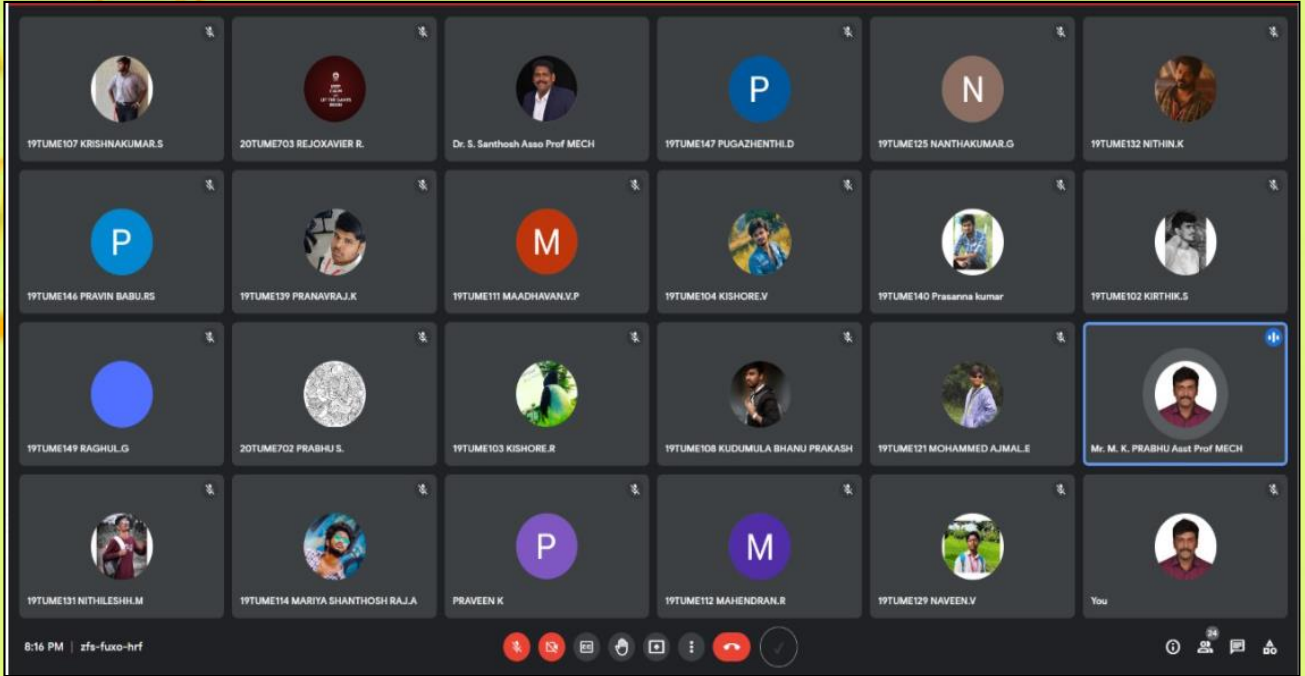
Dr P Manju, Professor and Head, Dept. of ICE, conducted a meeting with the Members of Faculty regarding Academic Activities for the Students, End Semester Examination, R&D Activities, Laboratory upgradation, etc. on 01 February 2022.

S&H | COURSE COMMITTEE MEETING



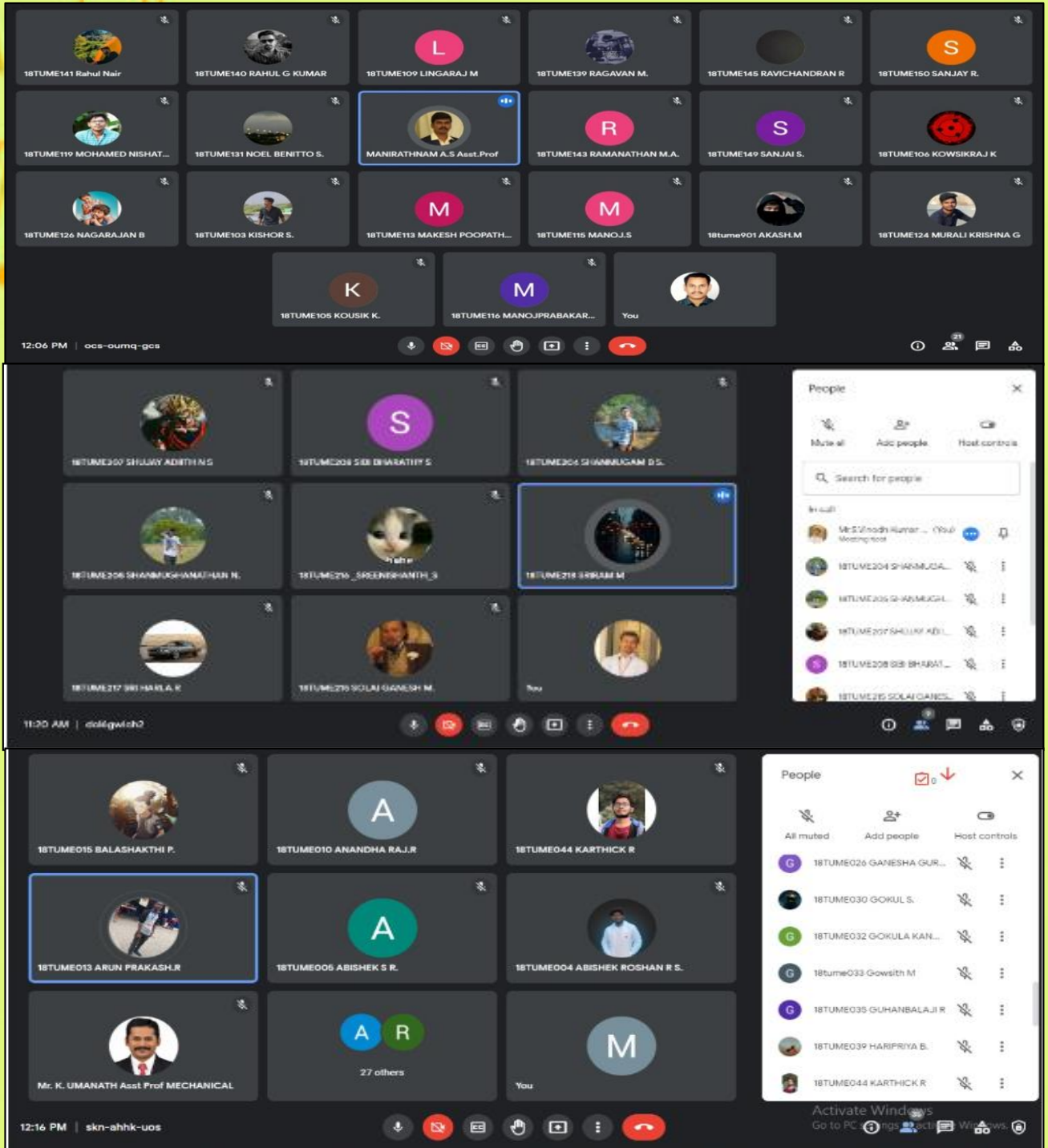
Ms N Leelavathi, Asst. Professor, Dept. of Science and Humanities, conducted a “**Course Committee Meeting**” for the course on Calculus and Vector Spaces (20MAS02) on 28 January 2022.

MECH | TUTOR WARD MEETING



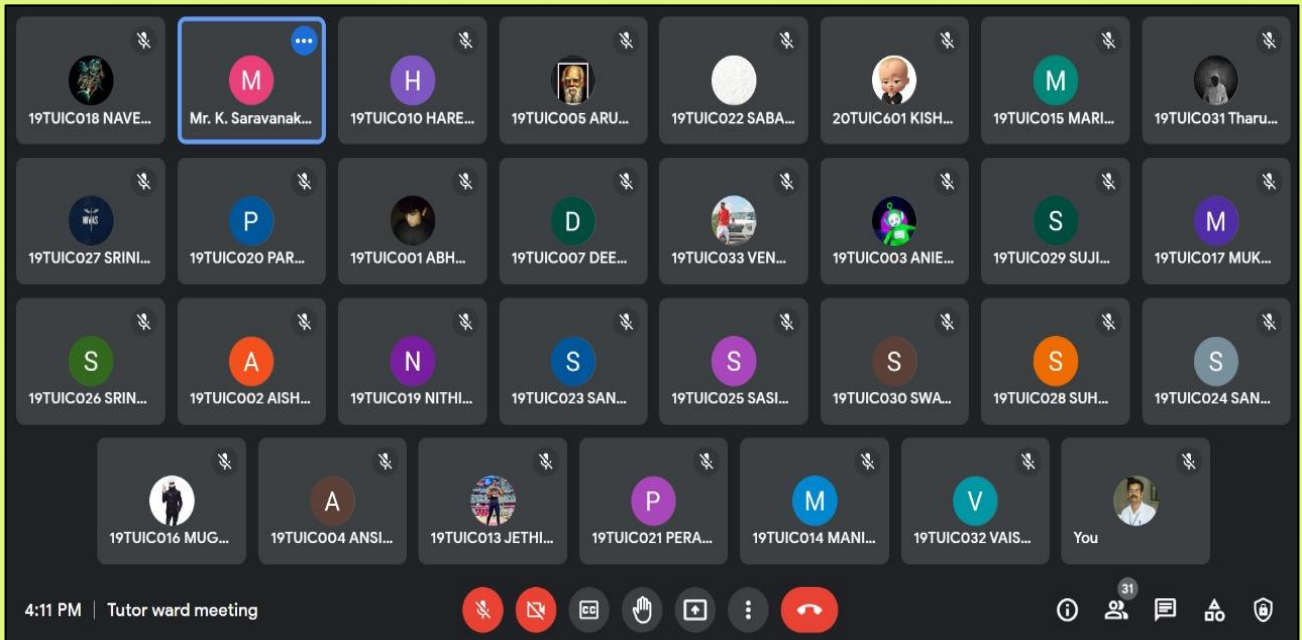
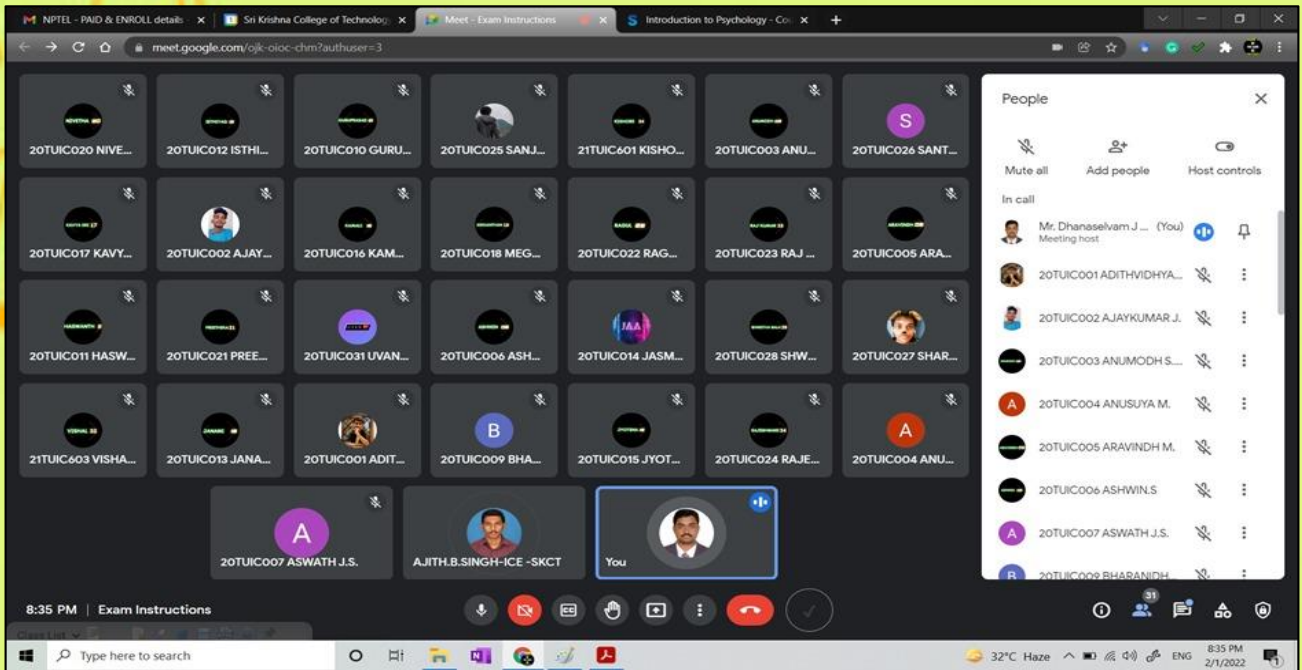
The Tutors of Third B.E. Mechanical Engineering conducted a **“Tutor Ward Meeting”** with their respective wards on 30 January 2022.

MECH | TUTOR WARD MEETING



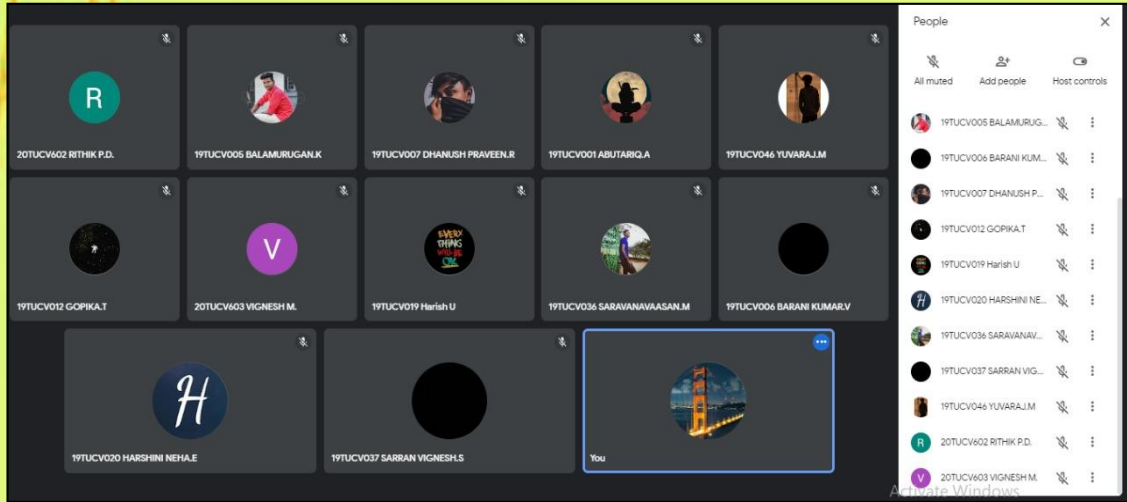
The Tutors of Final B.E. Mechanical Engineering conducted a “Tutor Ward Meeting” with their respective wards on 30 January 2022.

ICE | TUTOR WARD MEETING



The Tutors of Second and Third B.E. ICE conducted a **“Tutor Ward Meeting”** with their respective wards regarding the End Semester Examination on 31 January 2022.

CIVIL | TUTOR WARD MEETING



The Tutors of Third B.E. Civil Engineering conducted a **“Tutor Ward Meeting”** with their respective wards regarding SOP to be followed in online End Semester Examination on 31 January 2022.

CSE | TUTOR WARD MEETING



Dr P Tamije Selvy, Professor and Head, Dept. of CSE, conducted a meeting with the Tutors of Second, Third and Final B.E. regarding End Semester Examination on 02 February 2022.

EEE | TUTOR WARD MEETING

The screenshot shows a Google Meet interface. The main content area displays the following text:

Sri Krishna College of Technology

Department of Electrical and Electronics Engineering

Tutor ward Meeting

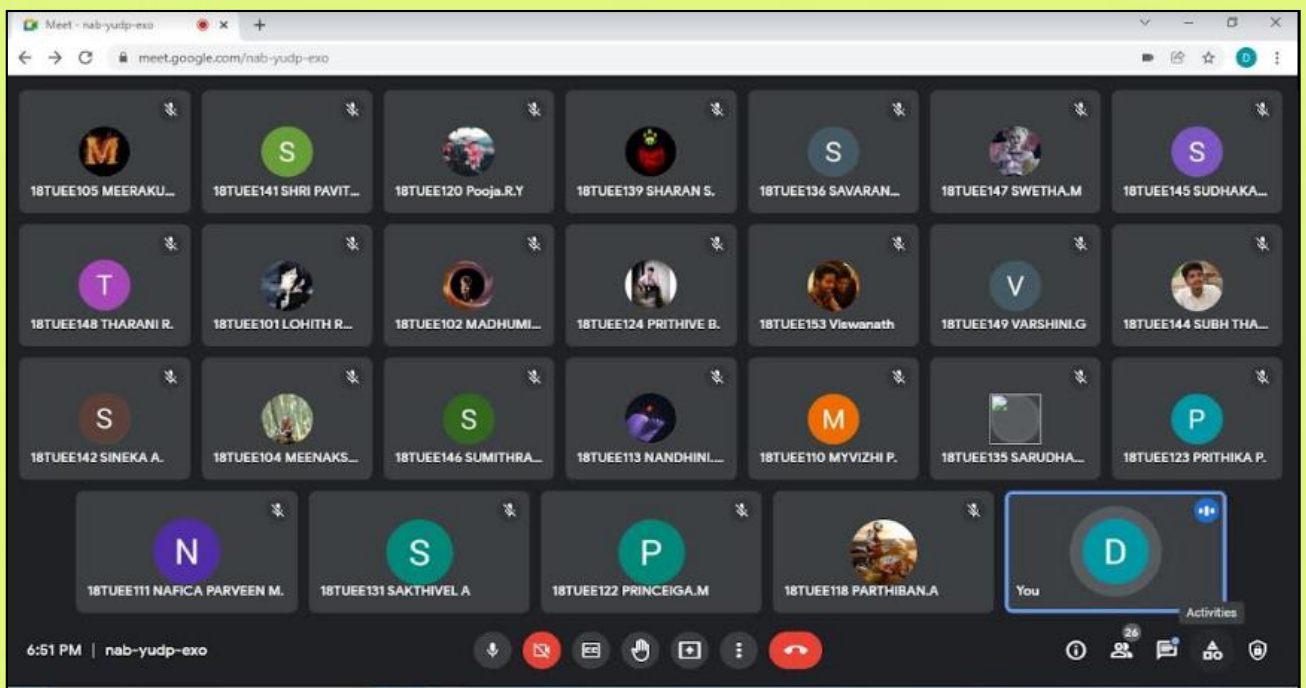
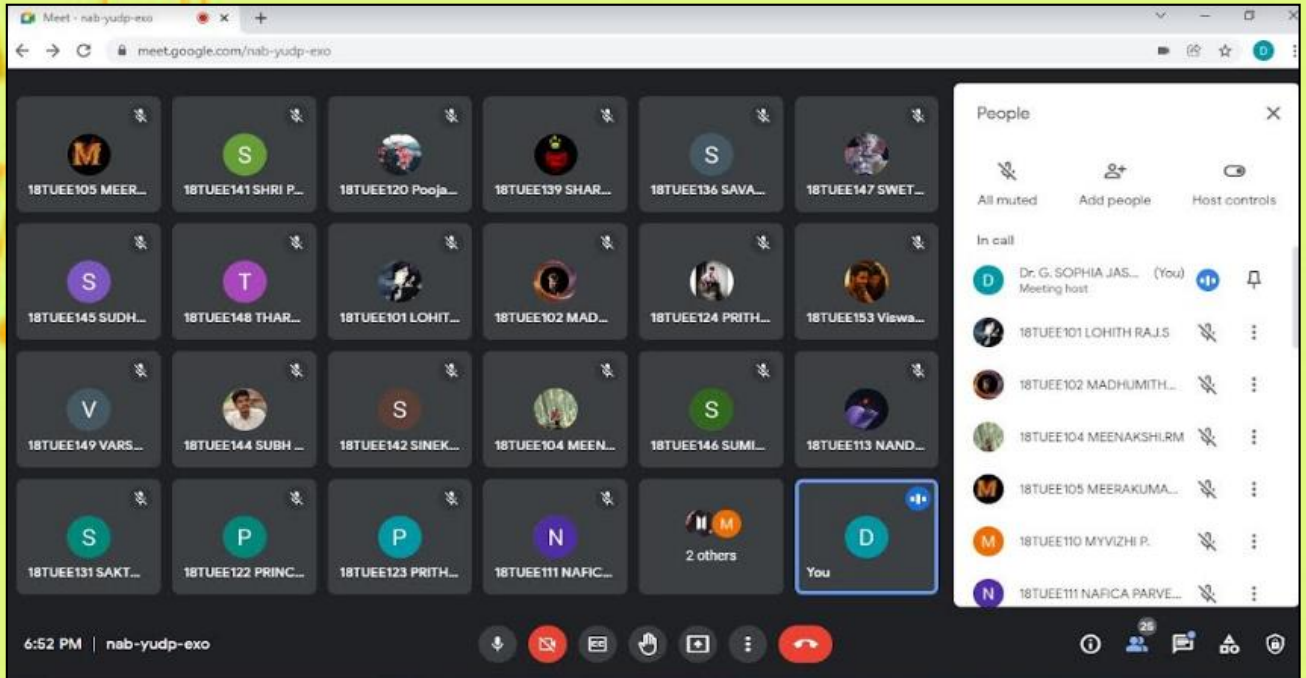
2018 - 2022 Batch IV EEE A Section

29.01.2022

On the right side, there is a grid of participant thumbnails. The 'You' thumbnail is highlighted. The bottom of the screen shows the meeting controls (mute, video, chat, etc.) and the system tray with the time 5:39 PM and date 05/31/2022.

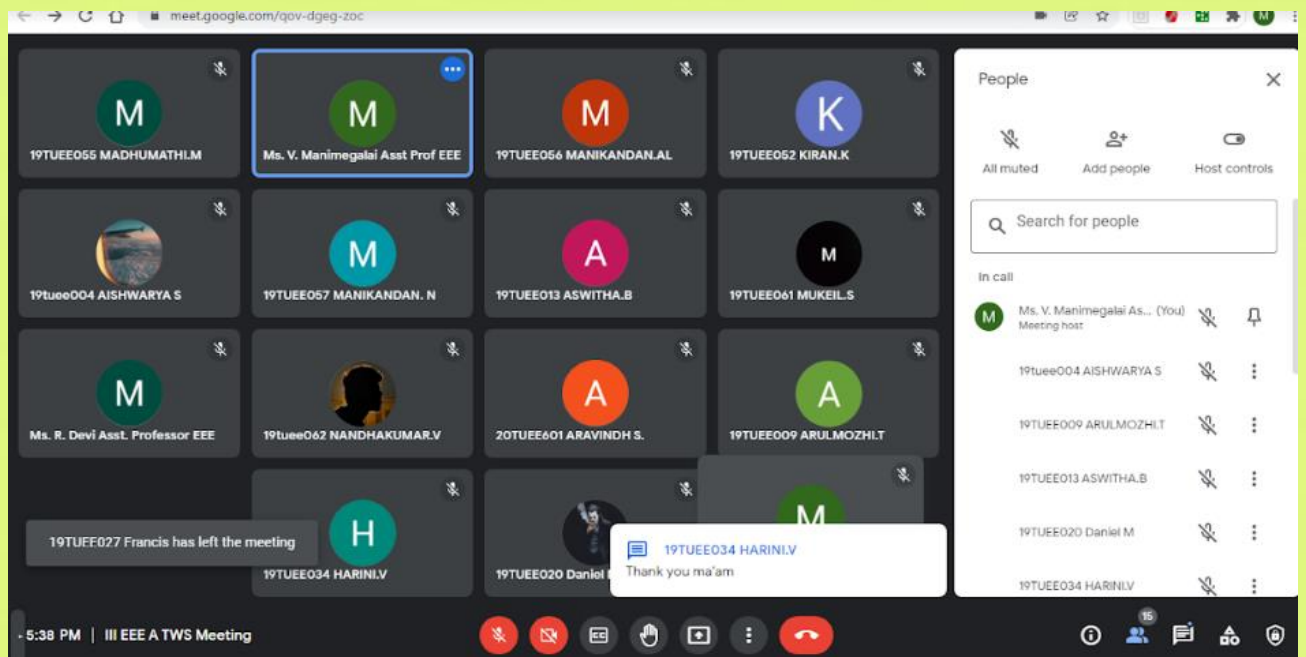
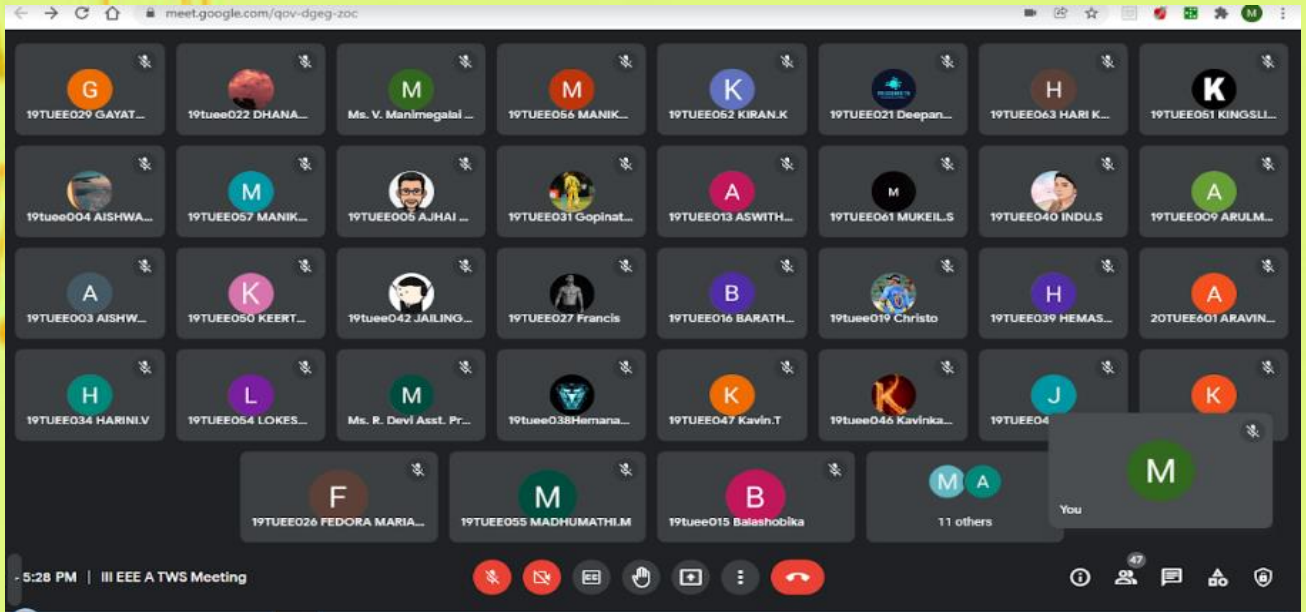
The Tutors of Final B.E. EEE A section conducted a **“Tutor Ward Meeting”** with their respective wards regarding online End Semester Examination, SOP, etc. on 29 January 2022.

EEE | TUTOR WARD MEETING



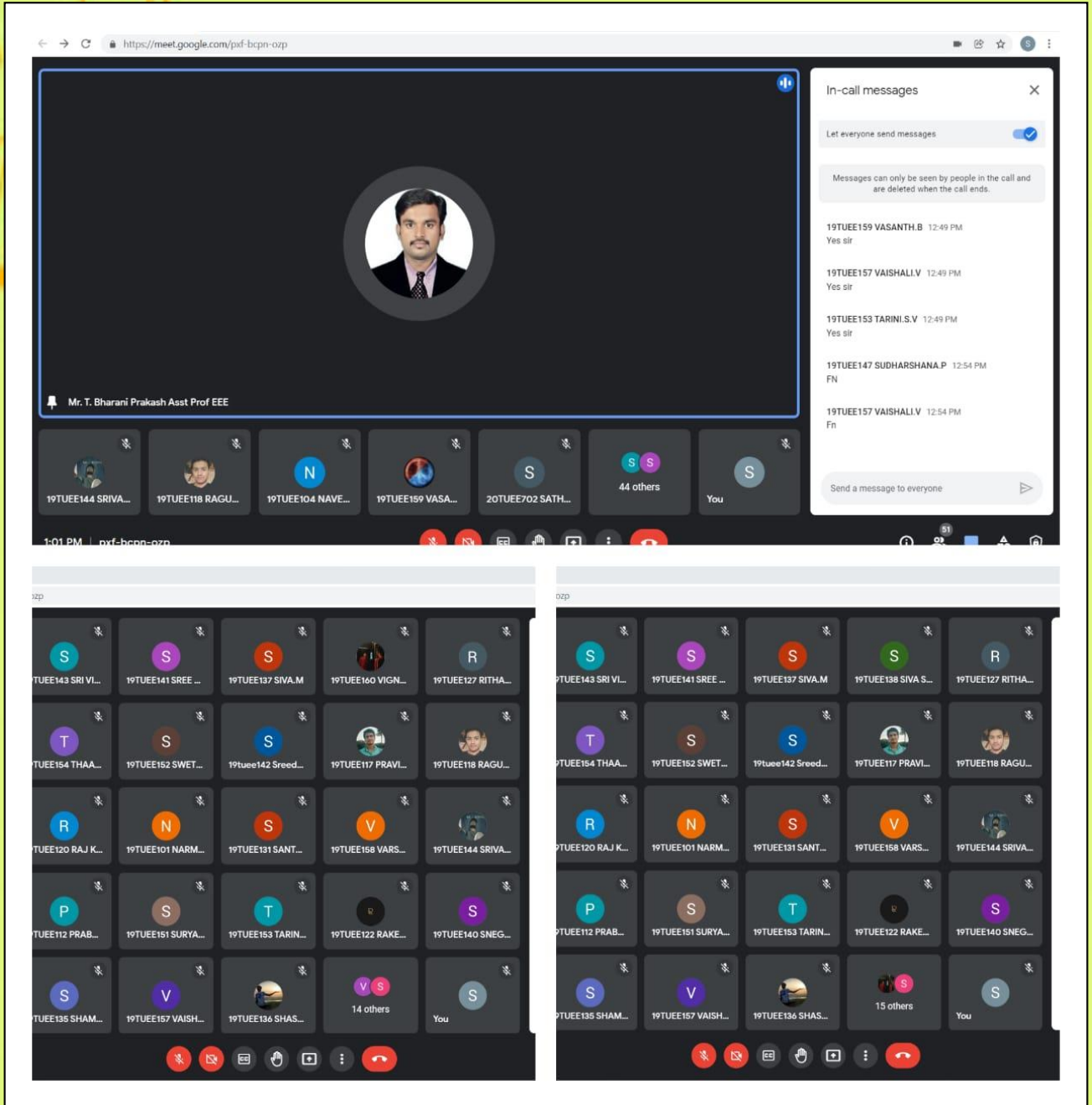
The Tutors of Final B.E. EEE B section conducted a **“Tutor Ward Meeting”** with their respective wards regarding online End Semester Examination, SOP, etc. on 29 January 2022.

EEE | TUTOR WARD MEETING



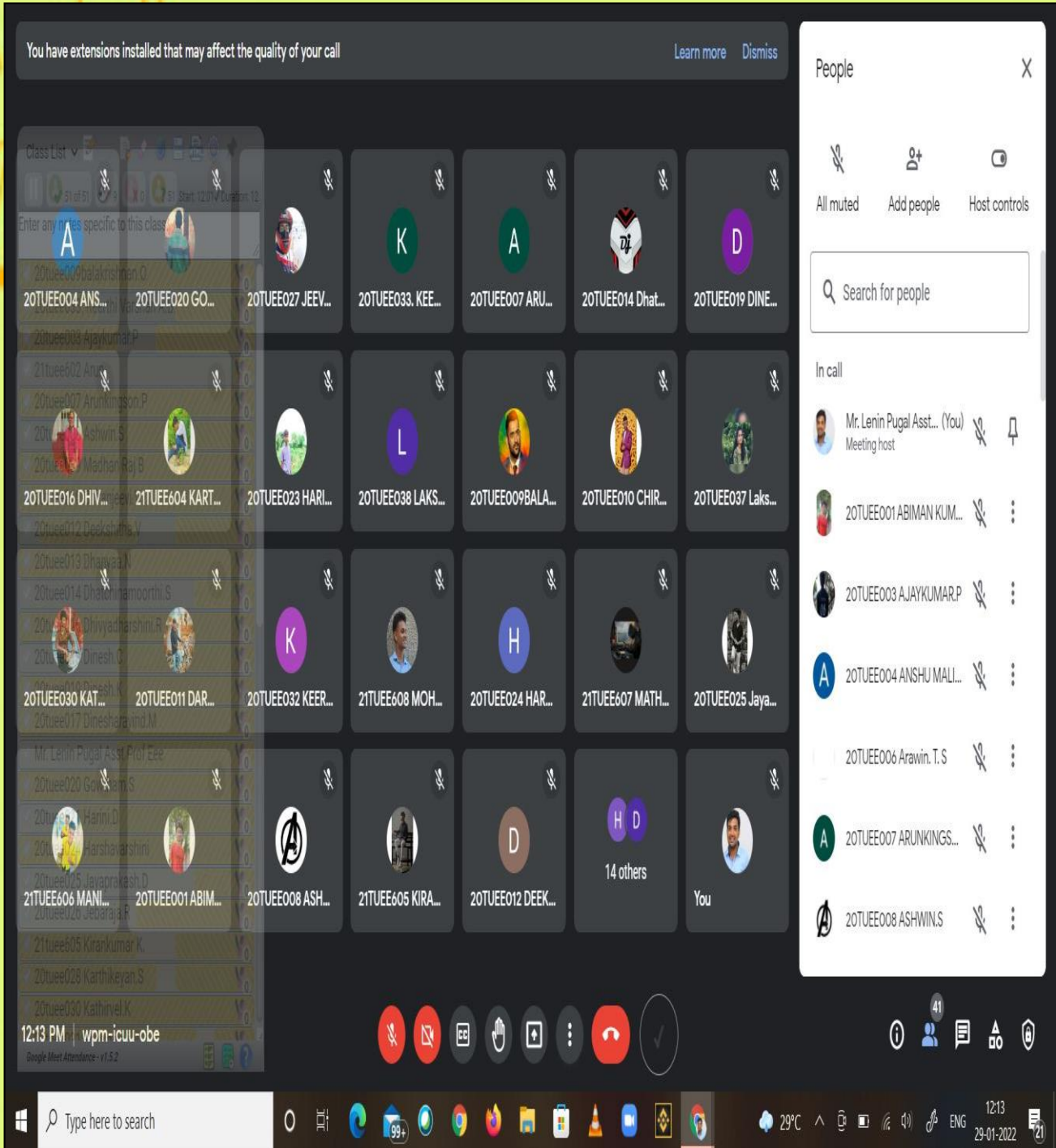
The Tutors of Third B.E. EEE A section conducted a **“Tutor Ward Meeting”** with their respective wards regarding online End Semester Examination, SOP and Placement Training on 29 January 2022.

EEE | TUTOR WARD MEETING



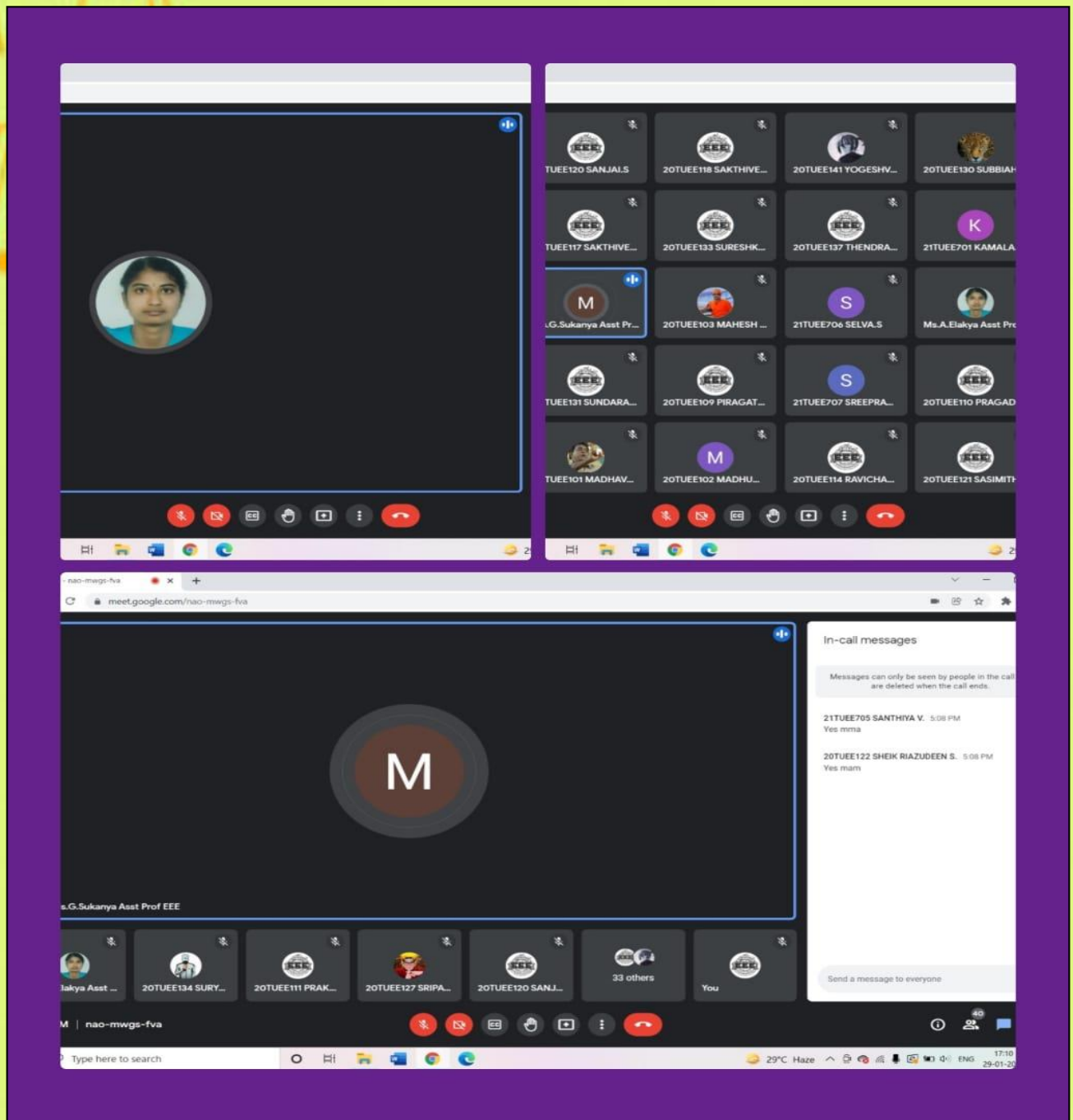
The Tutors of Third B.E. EEE B section conducted a **“Tutor Ward Meeting”** with their respective wards regarding online End Semester Examination, SOP and Placement Training on 29 January 2022.

EEE | TUTOR WARD MEETING



The Tutors of Second B.E. EEE A section conducted a **“Tutor Ward Meeting”** with their respective wards regarding online End Semester Examination, SOP, etc. on 29 January 2022.

EEE | TUTOR WARD MEETING



The Tutors of Second B.E. EEE B section conducted a “**Tutor Ward Meeting**” with their respective wards regarding online End Semester Examination, SOP, etc. on 29 January 2022.

IT | COURSE COMMITTEE MEETING

The Members of Faculty from the Dept. of IT conducted a “**Course Committee Meeting**” for the courses on Data Structures (20CSS03) and Operating Systems (20IT402) on 22 January 2022.

S&H | COURSE COMMITTEE MEETING

Ms N Leelavathi, Asst. Professor, Dept. of Science and Humanities, conducted a **“Course Committee Meeting”** for the course on Multi Variable Calculus and Linear Algebra (20MAS03) on 28 January 2022.

EVENTS ORGANISED



@skctdigest

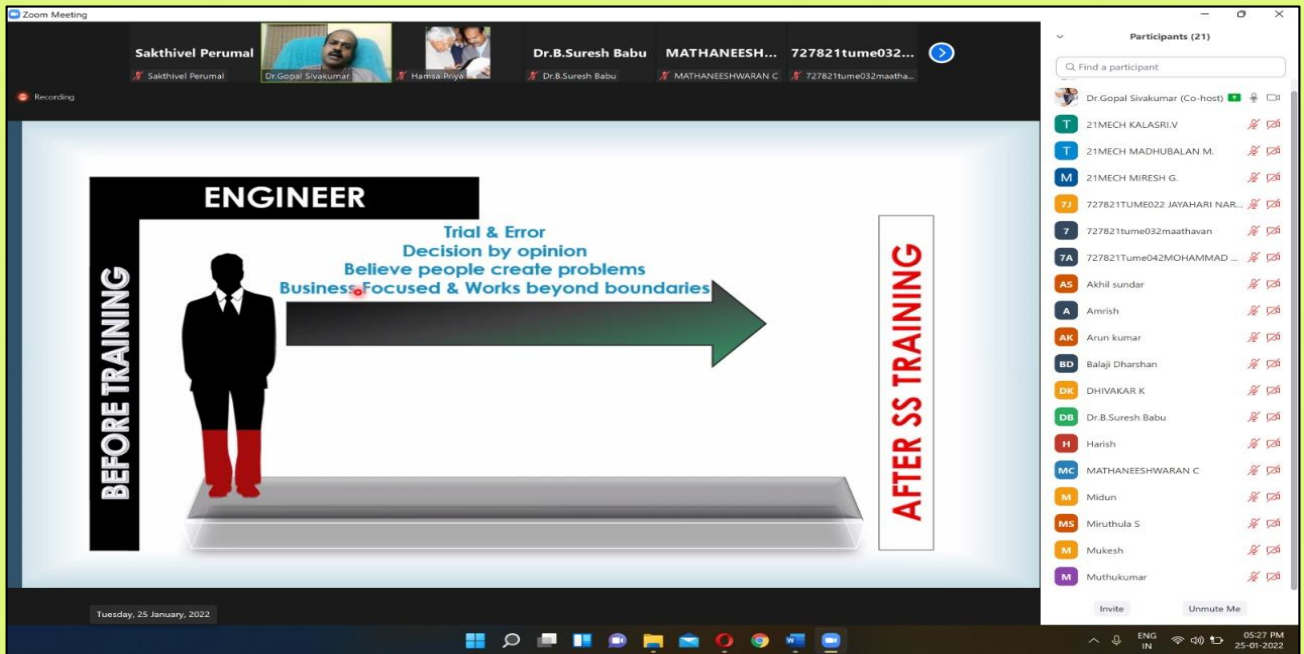


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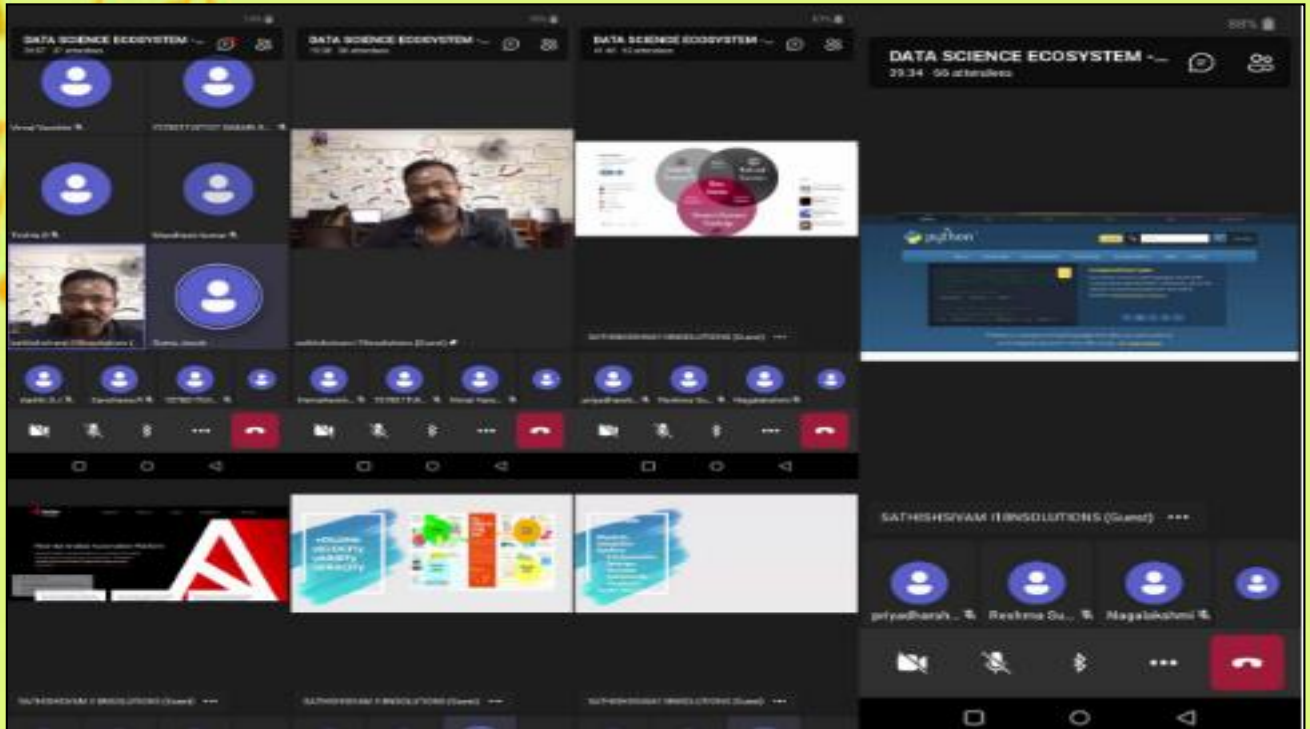
digestfeedback@skct.edu.in

MECH | EVENT ORGANISED | WEBINAR ON AWARENESS PROGRAMME ON LEAN SIX SIGMA



The Dept. of Mechanical Engineering organised a webinar on “Awareness Programme on Lean Six Sigma” facilitated by Dr Gopal Sivakumar, Training Coordinator, MSME on 25 January 2022.

IT | EVENT ORGANISED | WEBINAR ON DATA SCIENCE ECOSYSTEM



The Dept. of IT organised a webinar on “**Data Science Ecosystem**” facilitated by Mr P Sathish Kumar, Social Entrepreneur, Founder and CEO of i18nsolutions, Salem on 30 January 2021. Dr Suma Sira Jacob, Assoc. Professor and Ms S Reshma Sultana, Asst. Professor, Dept. of IT, coordinated the event.

S&H | EVENTS ORGANISED | REPUBLIC DAY CELEBRATION





SRI KRISHNA COLLEGE OF TECHNOLOGY
(An Autonomous Institution/ Accredited by NAAC with 'A' Grade)

**Department of Science and Humanities
Organises Various Events**
In commemoration of 73rd Republic Day

Events are

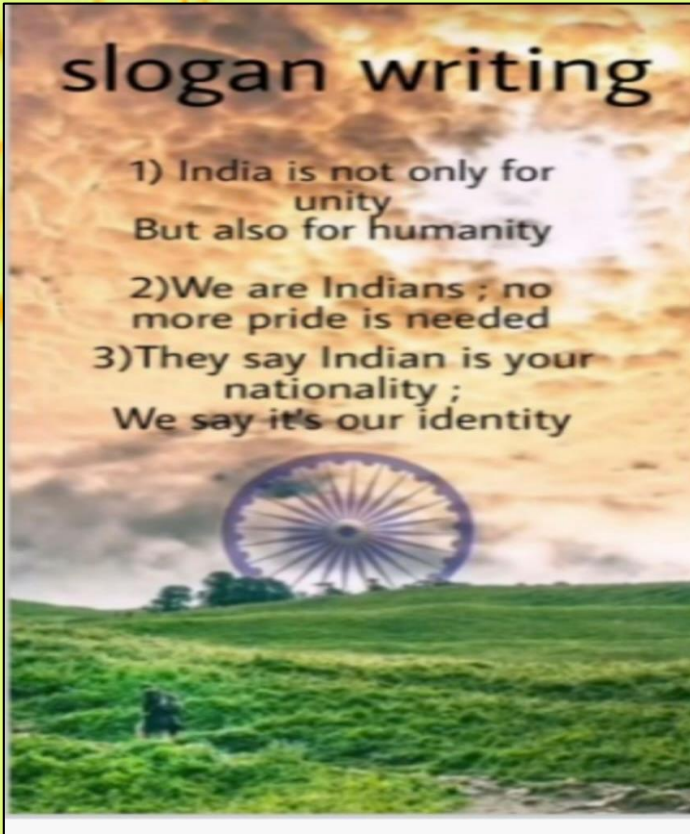
1. Attire Spectra - An Indian heritage ethnic wear fashion parade
2. Yummy Tiranga - Tricolor food preparation
3. Grow Green - Tree sapling planting
4. Treasure from Trash- Wealth from Waste
5. Thoorigai - Drawing competition
6. Poetica - Poetry writing competition
7. Pen it down - Essay writing competition
8. Mulakkam - Slogan writing competition

Theme of Republic Day will be 'India@75' to Honour 75 years of Independence of our country.
Azadi ka Amrit Mohatsav

Google Form:
https://docs.google.com/forms/d/e/1FAIpQLSdZsAOqCZYd5bjzaikYVKKwLpVa0Al6G30JJc3xtKbUb6noQ/viewform?usp=pp_url

The Dept. of Science and Humanities organised various events like “Attire Spectra - An Indian Heritage Ethnic Wear Fashion Parade, Yummy Trianga - Tricolour Food Preparation, Grow Green - Tree Sapling Planting, Treasure from Trash - Wealth from Waste, Thoorigai - Drawing Competition, Poetica - Poetry Writing Competition, Pen It Down - Essay Writing Competition and Mulakkam - Slogan Writing Competition” as a part of the celebration of Republic Day on 26 January 2022. Ms L Gomathy, Ms B Haripriya, Dr D Vasanthakumari and Ms S Santhiya, Asst. Professors, Dept. of S&H, coordinated the events.

**S&H | EVENTS ORGANISED | REPUBLIC DAY
CELEBRATION**



S&H | EVENTS ORGANISED | REPUBLIC DAY CELEBRATION



SRI KRISHNA COLLEGE OF TECHNOLOGY

(An Autonomous Institution/ Accredited by NAAC with 'A' Grade)



DEPARTMENT OF SCIENCE AND HUMANITIES



*Cordially Invites You All To
Republic Day Celebrations*

*Today is the day to show the love
we have toward our nation.*

Happy Republic Day to all

Hold The Head High

Let the World Know

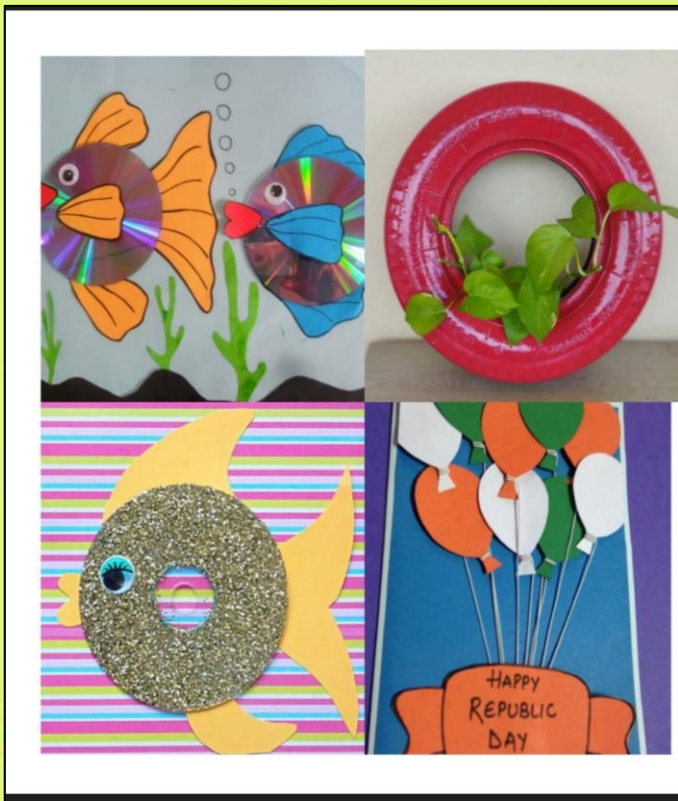
You are Proud to be An Indian

Vande Mataram

Presided by
Dr V Sreevidya
PRINCIPAL

Convener
Dr.Lijo Jacob Varghese
HoD - S&H

Organized by
Ms.L.Gomathy
Ms.B.Haripriya
Dr.D.Vasanthakumari
Ms.S.Santhiya



8 STUDENTS' PARTICIPATIONS

14 FACULTY PARTICIPATIONS

6 RESEARCH

1 ALUMNUS INTERACTION

4 NEW VISTAS OF LEARNING

16 MEETINGS & DISCUSSIONS

5 EVENTS ORGANISED

