



## IETE CHEN LINK

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**Vol. 1, No.3 December 2021**

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## From Chairman's Desk



Dear Members,

Happy & Flourishing New Year 2022.

It is my great pleasure to extend heartfelt greetings to the readers of the Third issue of the Newsletter of IETE Chennai Centre. Chenlink Newsletter is aimed to showcase the activities of Chennai Centre and achievements of its members during every month.

IETE Chennai center organized 68<sup>th</sup> IETE Foundation Day was celebrated on 17 November 2021 at the SRM Institute of Science & Technology.

I welcome suggestions to enable us to enhance the activities of the Chennai center collectively.

Stay healthy and stay safe!

Warm regards,

A handwritten signature in black ink, appearing to read "N. Venkateswaran".

**N.Venkateswaran**

**Chairman, IETE Chennai Centre**

## From Editor's Desk



Dear Members,

Happy & Prosperous New Year 2022. I am pleased to present the third issue of IETE CHENLINK, the IETE Chennai Centre's newsletter. We request all ISF Coordinators and other reporting officers to promptly report the events conducted. The guidelines for reporting the newsletter is given at the end of this issue. We respectfully suggest all to follow the guidelines for timely publication of the Newsletter.

I welcome suggestions to enable us to enhance the quality of Newsletter of the Chennai center.

Stay safe. Keep yourself updated.

Warm regards,

A handwritten signature in black ink, appearing to read "M. Arun".

**M. ARUN**

**Editor, IETE Chen Link Newsletter**

**IETE Chennai Center****IETE Foundation Day**

68<sup>th</sup> I E T E Foundation Day was celebrated on 17 November 2021 at the SRM Institute of Science & Technology, C Block, Auditorium, Vadapalani Campus, Chennai. The theme for the function was - “Advancing Skill Development to the Next Level-A Paradigm Shift to Amalgamate Skills & Academics with Seamless Transition”. Chief Guest of the Function was Dr. C.V. Jayakumar, Dean, E&T, SRM IST, Vadapalani Campus, Chennai and Guest of Honour Shri T.V. Rajasekar, Deputy Director, National Skill Training Institute, Guindy, Chennai.

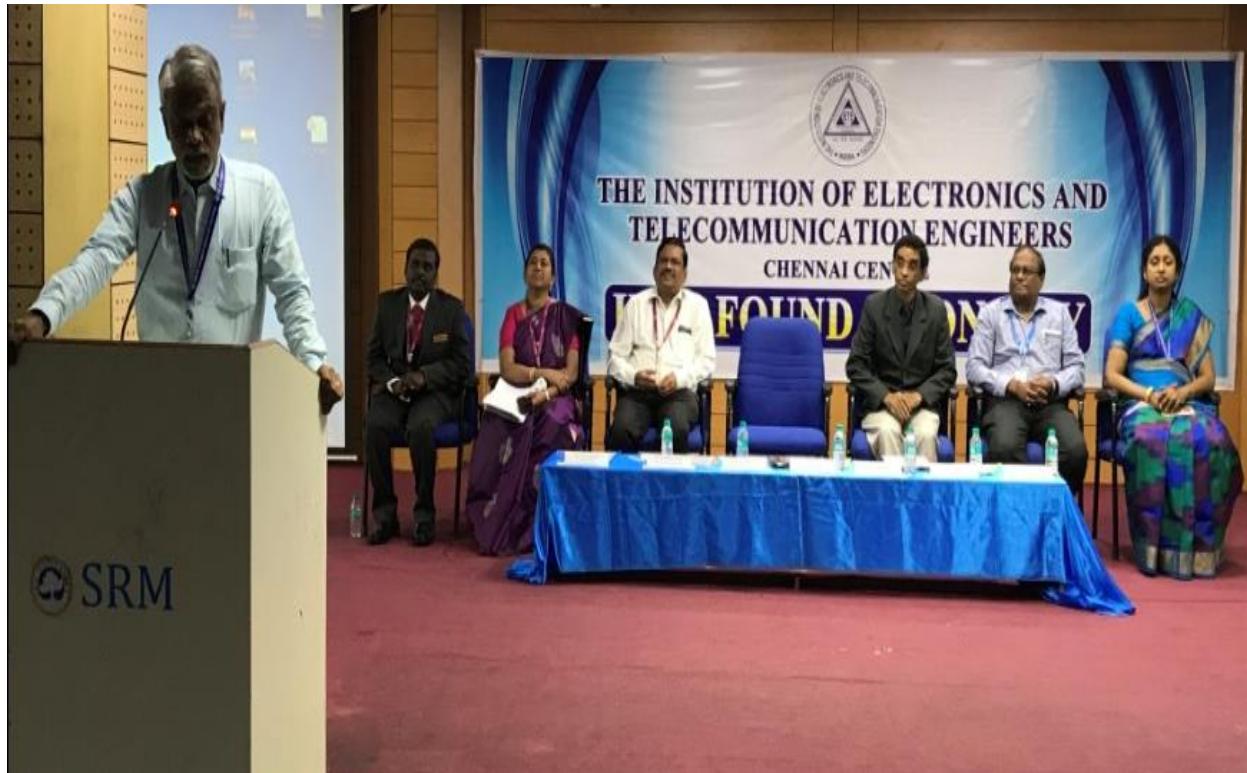


The function started with the Welcome Address by Dr N Venkateswaran, Chairman, IETE Chennai Centre Dr. K H Sakthi Murugan, Hon Secretary, IETE Chennai read out the Foundation Day message from President of IETE.



Senior veterans Shri P Ponmudi, F : 052206 (Retd) Engineer, Doordarshan Kendra, Chennai, honoured with mementoes, as part of celebration. The function came to an end with the Vote of Thanks, proposed by Prof T J Jeyprabha, Hon Treasurer.







## IETE ISF Activities

**Aarupadai Veedu Institute of Technology, Paiyanoor, Chennai**

**"Webinar on Machine Learning and Its Applications"**

IETE Student Forum, Industry Academia Cell, Centre for Industrial Relations & in association with ECE dept. organized the Webinar on Machine Learning and Its Applications on 30 November 2021, at 12.00 PM to 01.00 PM. Dr. L. Agilandeswari, Associate Professor & HOD, School of Information Technology and Engineering, VIT, Vellore has delivered the lecture.



**Reported by: Dr.L.K.Hema, ecehod@avit.ac.in**

**Easwari Engineering College, Chennai**

**'Q-FIESTA'**

ECE dept. & IETE ISF organized the event "Q-FIESTA" – A Series of Online Quizzes on 27.11.2021 from 10:00 am to 12:00 noon. More than 70 ISF student members from various institutions of IETE student forums were the participants in the meet. The event was hosted by student co-ordinators Ms. Iniya R, ECE-IV year and Mr. Hariharasudhan S, ECE-III year in presence of Dr.M. Devaraju, HOD/ECE ,Dr.D. Jessintha, Asso.Professor, ECE, ISF Coordinator. Dr. Venkateshwaran, Chairman, IETE congratulated the student members and IETE staff co-ordinators and elaborated the activities organized through various forums in the institution. He also encouraged and motivated students to participate in various activities and to win prizes. The event started at 10:10 am and Round 1 of the events concluded at 11:00 am. Participants who were shortlisted for the final round were given options about the streams and Round 2 in two streams – Circuit Debugging and Coding was conducted successfully by our student co-ordinators Mr. Ajitkumar, Mr. Dilipkumar and hosted by MS. Lakshmi Priya and Mr. Jabilo Jose of ECE-III year. Vote of thanks was proposed by Ms.T. Gophika, Assistant Professor, ECE, ISF Coordinator.

Winners and Runners of the event are,

**CIRCUIT DEBUGGING:**

1st prize - MOHAMMED ABUBAKER SIDDIQ N, ECE (I YEAR) - Saveetha Engineering College

2nd prize - CHANDRAKALA M ECE (III YEAR) - SRM Valliammai Engineering College

**CODING DEBUGGING:** 1st prize – HARINI, ECE (III YEAR) -SRM Valliammai Engineering College



**EASWARI  
ENGINEERING COLLEGE**  
An AUTONOMOUS Institution  
AFFILIATED TO ANNA UNIVERSITY  
RAMAPURAM, CHENNAI



**DEPARTMENT OF  
ELECTRONICS & COMMUNICATION ENGINEERING**

On Occasion of  
25<sup>th</sup> SILVER JUBILEE Celebration

# **Q-fiesta**

**Online Quiz Competition**

**27.11.2021**

**10.00 AM to 12.00 Noon**

**\*e-certificate will be provided**

**Dr. M. Devaraju**  
Professor & Head / ECE

/SRMEaswariOfficial

**Dr. D. Jessintha, Associate Professor / ECE**  
**Ms. T. Gophika, Assistant Professor / ECE**

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srmeaswari.ac.in

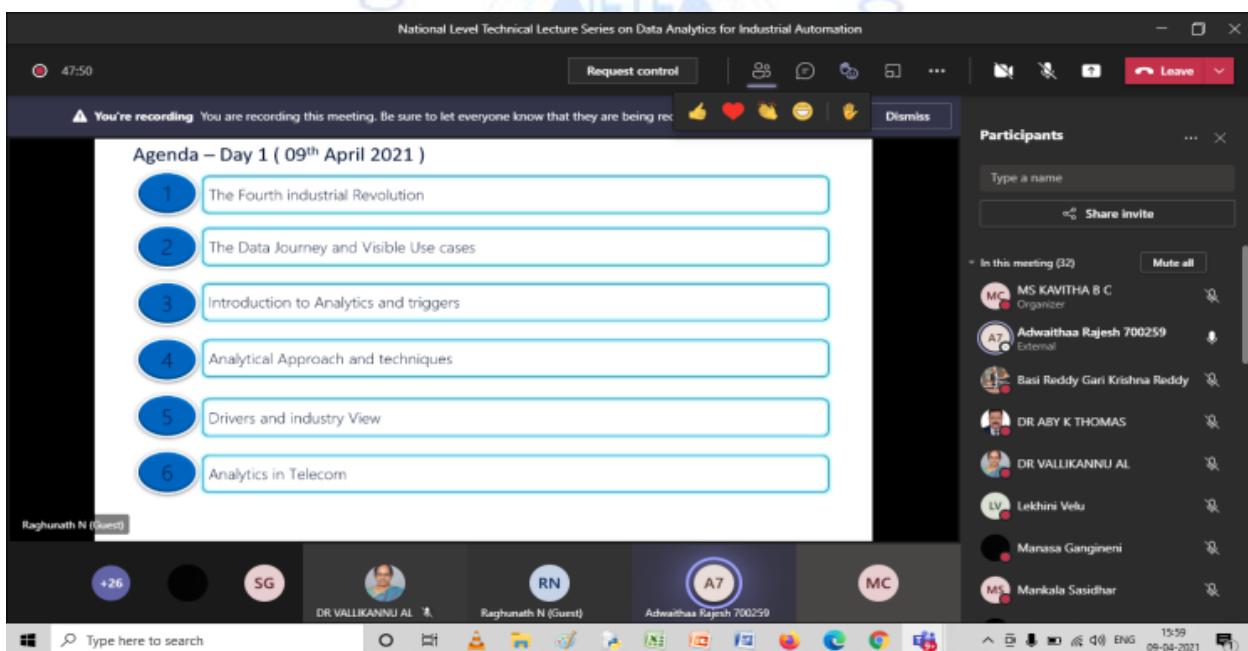
**Reported by: Dr.D.Jessintha,jessintha.kumar@gmail.com**

## Hindustan Institute of Technology & Science, Chennai

### National Level Technical Lecture Series on "Data Analytics for Industrial Automation"

National level Technical Lecture Series was organized by the Department of ECE, in association with IETE, Chennai centre and Industry Interaction Cell (ECE IIC) from 09.04.2021 to 10.04.2021 through MS Teams. The lecture series started with a welcome note by Dr. AL. Vallikannu, HOD/ECE followed by the introduction of the resource persons. Dr. N. Venkateswaran, IETE Chennai centre Chairman and also addressed the participants. The On-line Technical event consisting of training was provided by Industrial experts from well renowned and prestigious company Nokia Solutions Pvt.Ltd. Around 50 students were shortlisted for the event. Mr. Raghunath Narasimhan, Technical Manager, Nokia Solutions Pvt.Ltd. and Mr.RajeshAppasamy, Program Manager, Nokia Solutions Pvt.Ltd.were the resource persons for the national level technical series lecture.The first day session was handled by Mr.RajeshAppasamy, Program Manager, Nokia Solutions Pvt.Ltd. Mr.Rajesh started the session with an introduction to Industrial revolution and discussed about the use cases of data analytics in our day-to-day life. The importance and need of data analytics were explained in detail. The significance and applications of Data analytics/Machine learning and Artificial intelligence in telecom network was dealt in detail.

The Day 2 session was handled by Mr. Raghunath Narasimhan, Technical Manager; Nokia Solutions Pvt.Ltd. Mr.Raghunath started the session with an introduction to classification of data and the type of analytics required for processing the data. A detailed lecture was given on the importance of machine learning and the different types of machine learning approaches. The session was very lively with discussion on practical cases.The session was followed by an assessment on the topics discussed in the event. The students had a very good interactive session with the resource persons. The two day technical event came to an end by the vote of thanks given by Dr.Kavitha.B.C / AP/ECE/HITS.

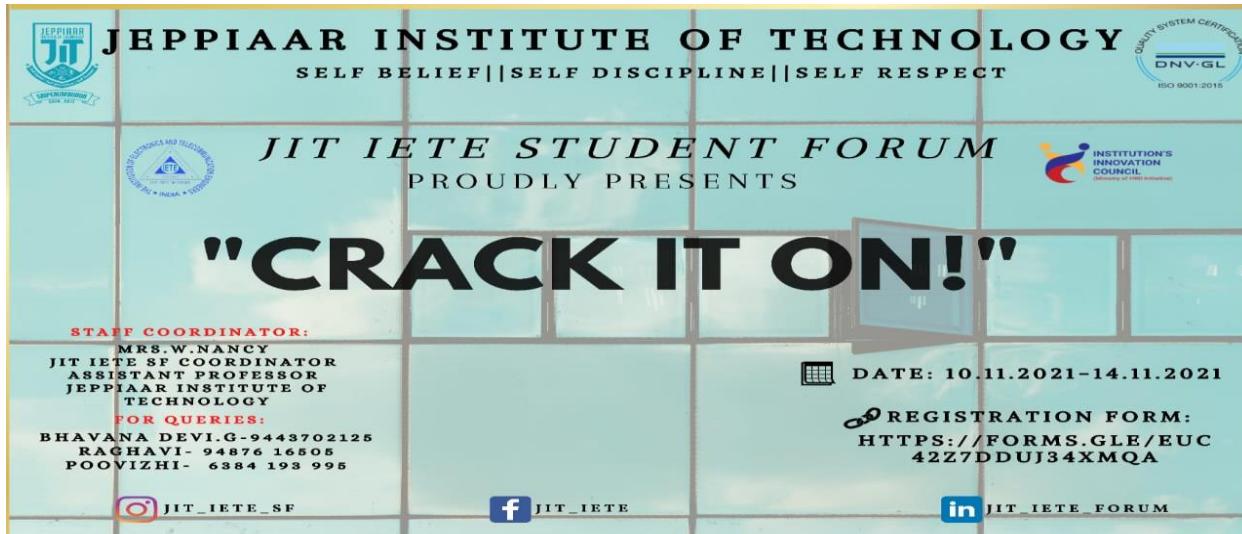


**Reported by:** Ms. A. L. Vallikannu, vallikannu@hindustanuniv.ac.in

**Jeppiaar Institute of Technology, Sunguvarchatram**

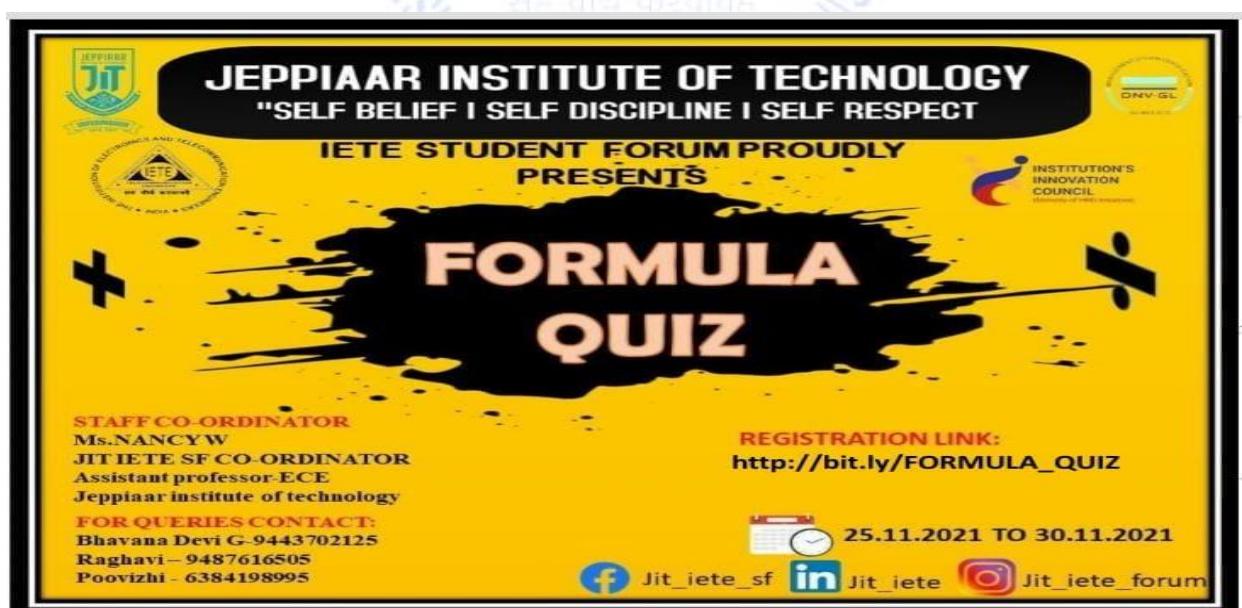
**"CRACK IT ON"**

IETE ISF conducted CRACK IT ON a Technical event from 10-11-2021 to 14-11-2021 online mode through Google Form. This event was organized by Ms.Poovizhi and Ms.Raghavi. There were more than 40 participants in the event. The event was all about expressing knowledge in aptitude by attending the quiz.



**"Formula Quiz"**

IETE ISF conducted a Technical event Formula Quiz during 25-11-2021 to 30-11-2021 through online mode by Google form .Event was conducted by Shobana L And Somasree V . There were nearly 25 participants participated.



**"Quizophile"**

IETE ISF conducted Quizophile a Technical event from 04-11-2021 to 07-11-2021 online mode through Google Form. This event organized by Ms.Poovizhi and Ms.Raghavi. There were more than 70 participants in the event. The event was all about expressing knowledge in technical field by attending the quiz.

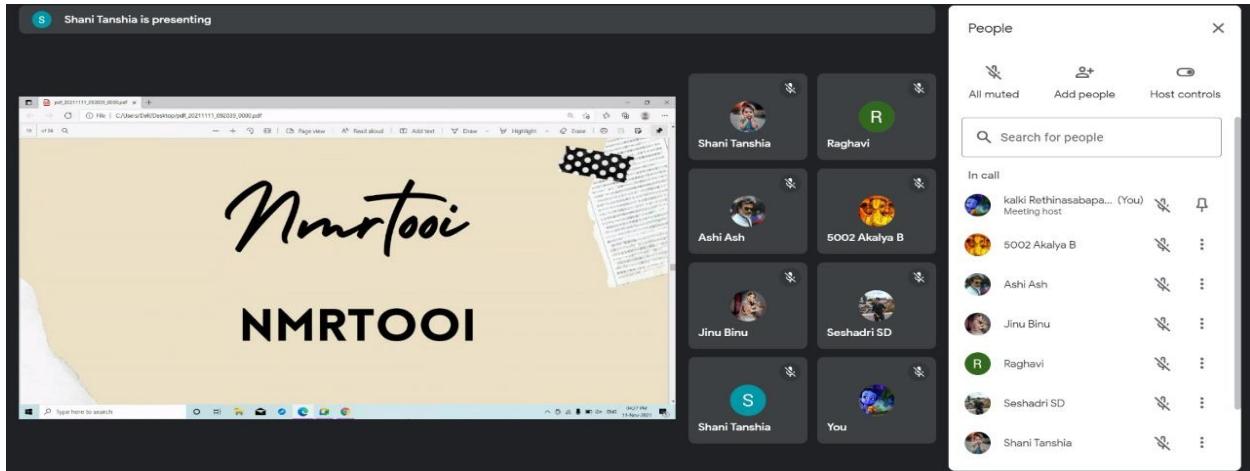
**"CURRENT SCENEARY"**

IETE ISF Conducted a Non- Technical Event as Current Sceneary held from 08-11-2021 to 14-11-2021 online mode by Google forms. This event organized by Ms. Deepika V and Ms. Iswarya R. Participants are requested to fill the answers for the given questions in the Google form link. There were more than 30 Participants Attended.



### "JUMBLED WORDS"

IETE ISF conducted a Non- Technical event Jumbled Words held on 11-11-2021 in online mode by Google meet platform. This event organized by Ms.Shani Tanshiya and Ms.Kalki. Participants are requested to answer the questions which are displayed in the screen. There were more than 40 Participants were participated.



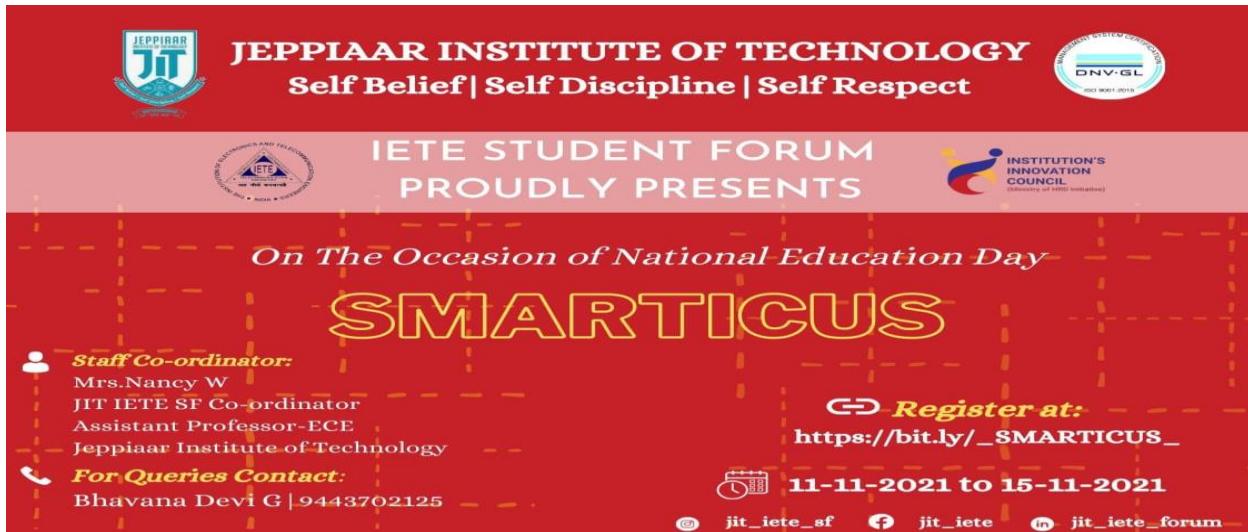
### "TECHNOHOLIX"

IEEE SB & IETE STUDENT FORUM conducted a Symposium - TECHNOHOLIX held on 22-12-2021. This event organized by Ms. Shobana L, Mr. Ajay A, Ms. Makalakshmi V ,Ms. SOMASREE V,Ms. POOVIZHI S and Ms. DEEPIKA V. Three Technical and Two Non-technical events were conducted. There were more than 70 Participants has participated .



### **"SMARTICUS"**

IETE ISF conducted SMARTICUS a Technical event held from 11-11-2021 to 15-11-2021 online mode by Google form . This event organized by Bhavana Devi . Participants submitted their answers on 15/11/2021. There were more than 25 Participants attended the event.



**Reported by:** Mrs. Nancy, nancyw@jeppiaarinstitute.org

**K C G College of Technology, Chennai**

### **"Mental Wellness Awareness Campaign"**

IETE ISF organized Mental Wellness Awareness Campaign at Government High School, Karapakkam, on 12.10.2021, from 2.00 p.m. to 4.00 p.m. Ms. D. Revathy, Student Counsellor, took the session supported with the following students; Menaka P.K., Nivedhidha k., Nandhini B., Ilakya J., Ashika R, and Irene Michelle, all from ECE Final year.



**Reported by:** Dr.Jose Anand, joseanandme@yahoo.co.in

## Panimalar Institute of Technology, Chennai

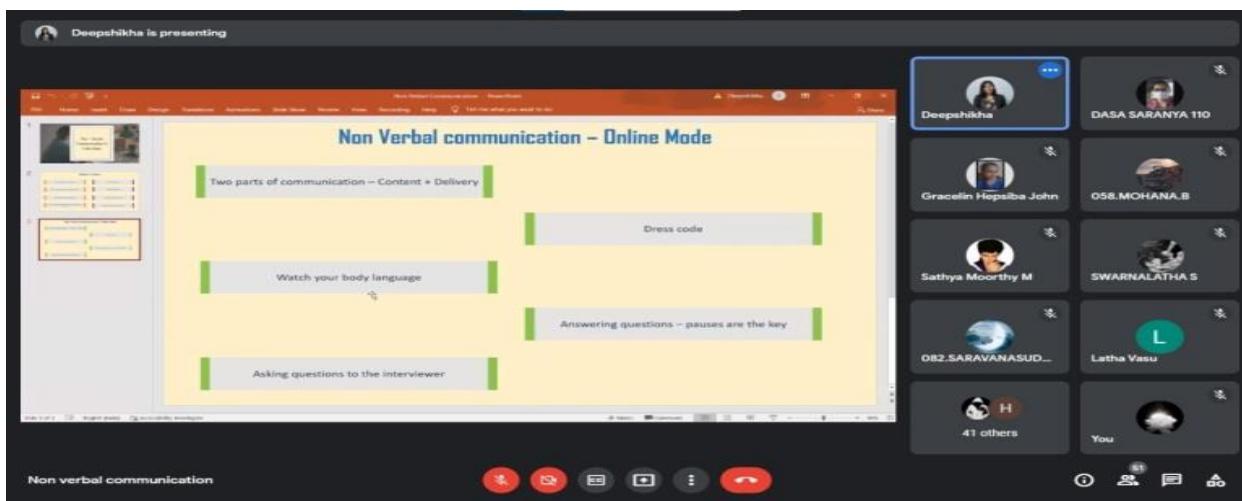
### "Event - Find Me"

IEEE SB,IETE ISF, IEEE EMC and BTS society organized the event Find Me? during 30 September, 2021 to 1 October,2021. In this Event, Participants were asked to translate the word given in any other language into English and fill in the Google form. Nearly 46 Participants from various Colleges and Schools participated in this contest. Student Coordinators Sripriya.Rand Sridevi coordinated the event with Mr.MArun, AP/ECE.



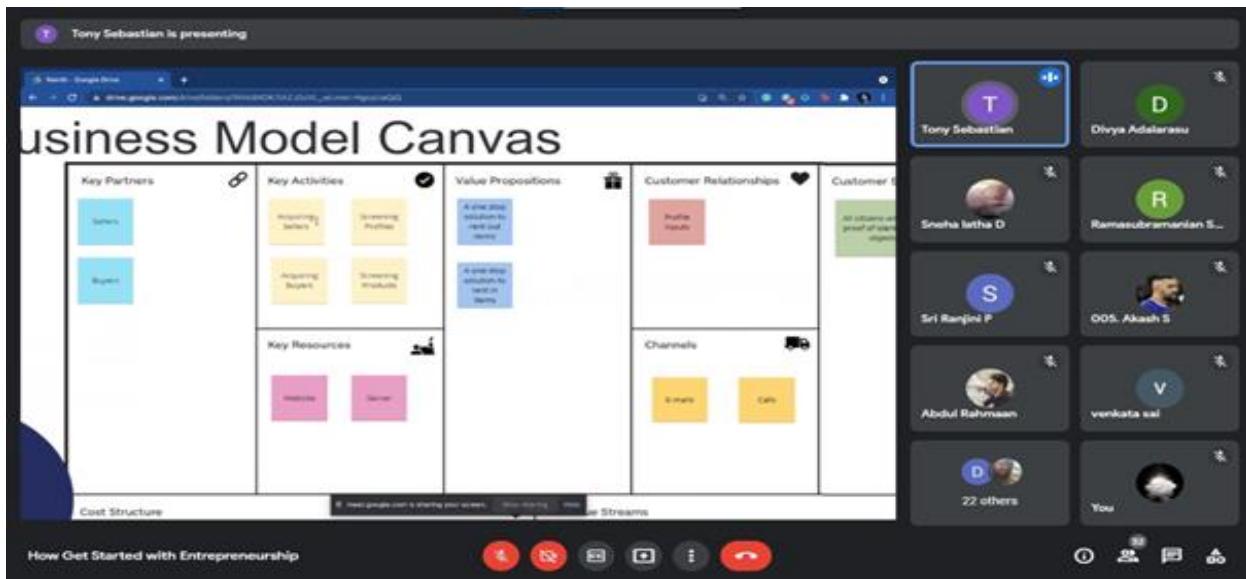
### "Webinar on Non-Verbal Communication in Interviews"

IETE,IEEE SB in association with IEEE CS, IIC, had conducted a Webinar on Non-Verbal Communication in Interviews on 10 October,2021. The session was handled by speaker Ms. Deepshikha Executive Member, Placement Committee IT Consulting. In the session the speaker spoke about what is non-verbal communication, what are verbal communication skills and what should be done in interviews, etc., Nearly 90 participants participated in the session. The student coordinator Divya sri, Dasa Saranya, Akshaya Durai coordinated the event under the guidance of Mr.MArun, AP/ECE and HOD Dr. M.P Chitra, HOD/ECE.



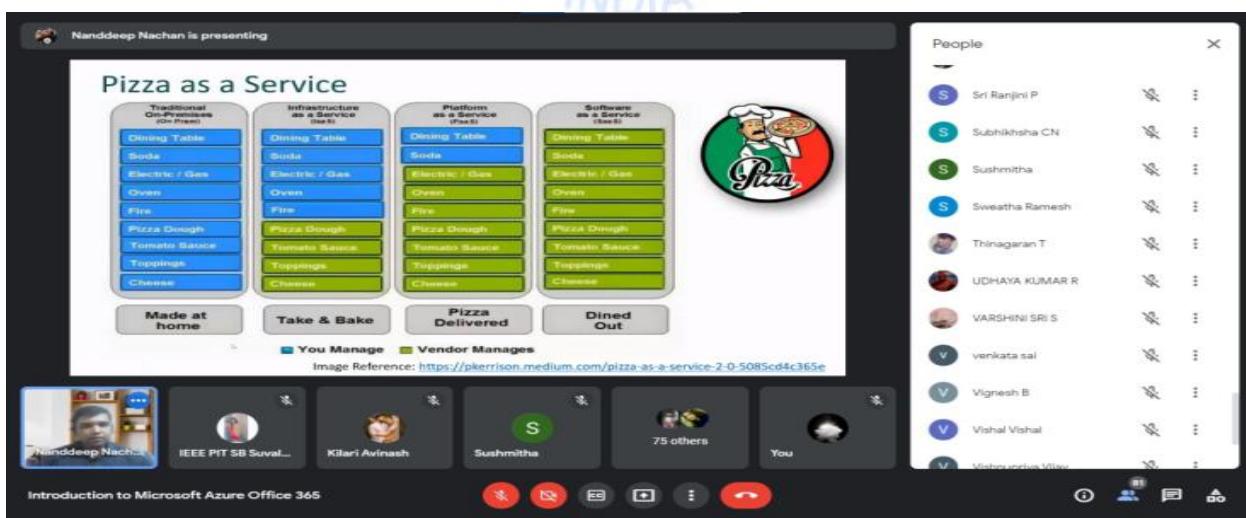
### **"Webinar: How Get Started with Entrepreneurship"**

IETE ISF, IEEE PIT SB organized a webinar on How Get Started With Entrepreneurship by Mr. Tony Sebastian on 12 October,2021. Speaker discussed a lot about how to start a Entrepreneurship career and discussed a lot of platforms that help with doing Entrepreneurship. Nearly 56 participants from various colleges attended the session. Student Coordinator Sowndarya, Divyasri and A.Aarthi coordinated the event Mr.MArun, AP/ECE and HOD Dr. M.P Chitra, HOD/ECE.



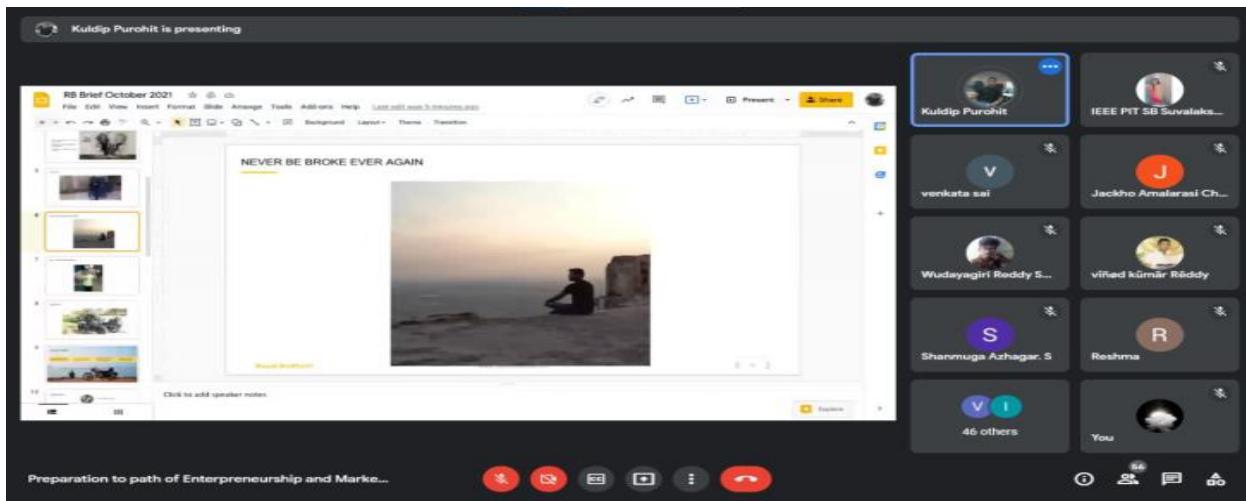
### **"Webinar: Introduction to Microsoft Azure and Office 365"**

IETE ISF,IEEE SB,IEEE,CS,PHOTONICS,TEMS organized a webinar on Introduction to Microsoft Azure and Office 365 on 19 October,2021 by Mr. Nanddeep Nachan. He discussed about cloud computing and he also gave an example of a pizza as a service. The speaker addressed various questions from the participants and the session was very interactive. The webinar was conducted through Google meet (6.00 -7.00 pm). Student Coordinator Dhanalakshmi, Sridevi, Sowndarya, Divyasri coordinated the event with M Mr.MArun, AP/ECE and HOD Dr. M.P Chitra, HOD/ECE.



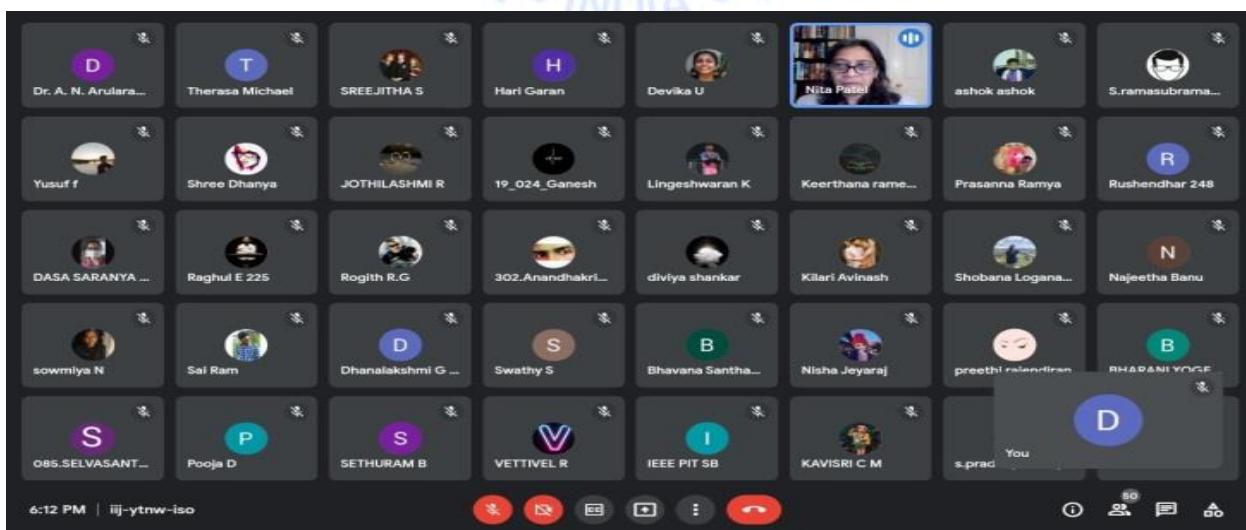
### **"Webinar on Preparation to the path of Entrepreneurship and Marketing Lifestyle"**

IETE, IEEE SB in association with IEEE TEMS, CS, PHOTONICS, WIE, organized a webinar on Preparation to the path of entrepreneurship and marketing lifestyle on 21 October, 2021. Mr.Kuldeep Purohit Co-founder and business head at Royal Brothers. He discussed about Entrepreneurship and he also gave examples related to Marketing lifestyle. Nearly 65+ participants from various colleges attended the session Student Coordinator Divya Sri, Akshaya, Deepa coordinated the event with Mr.MArun, AP/ECE and HOD Dr. M.P Chitra, HOD/ECE.



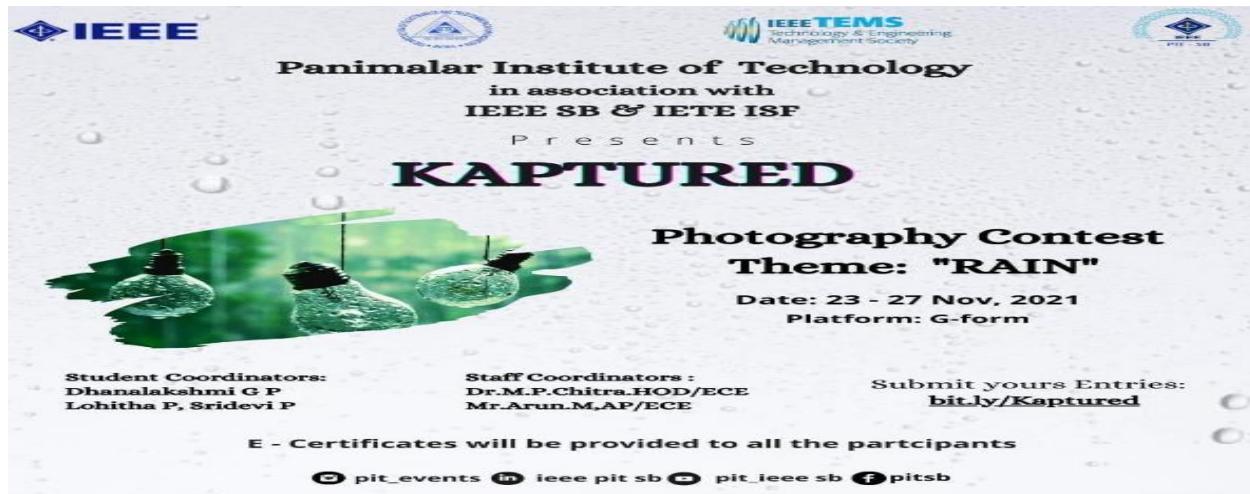
### **"Webinar on How to get started with Leadership Skills"**

IETE in association with IEEE TEMS, IEEE SB, IEEE Photonics Society, IIC organized a Webinar on How to get started with Leadership skills on 23 Oct 2021. The session was carried out by Ms. Nita Patel, Sr. Director, Engineering Olis Elevator Co. In the webinar, the speaker spoke about how to build one's Leadership skills. She gave a lot of insights about the topic and also why Leadership skills are Important. Nearly 70+ Participants from various educational institutions attended the event. The Student Co-coordinators Lohitha P, Dhanalakshmi G P, Sowndarya and Divya Sri S coordinated the event with Mr.MArun, AP/ECE and HOD Dr. M.P Chitra, HOD/ECE.



**"Kaptured"**

IETE-ISF, IEEE SB in association with IEEE TEMS, IETE organized an online event Kaptured from 23 - 27th Nov 21. It is a photography contest on the theme Rain. 7 Participants participated in the event. Mohanapriya T from Nandha Engineering College won First place, Madhumitha Babu from College of Panimalar Institute of Technology won Second Place, Shivashankar MJ from Panimalar Institute of Technology won third place. The Student Co-coordinators Dhanalakshmi, Lohitha and Sridevi coordinated the event with Mr.MArun, AP/ECE and HOD Dr. M.P Chitra, HOD/ECE.

**"MEMO-O-MANIA"**

IEEE SB in association with IEEE TEMS, IETE organized an online event Meme-O-Mania from 25- 28 Nov21. It is meme contest on the theme Offline Vs Online exams.5 Participants participated in the event. The Student Co-coordinators Sowmiya, Lakshana and Sridevi coordinated the event with Mr.MArun, AP/ECE and HOD Dr. M.P Chitra, HOD/ECE.



### **"Slogan Contest"**

IEEE SB in association with IEEE CS, IT, IETE organized an online event Slogan Contest from 29 to 30 Nov 21. Slogan writing contest on the Topic College Memories. The participants were asked to write slogan without exceeding 4 lines. 9 Participants from various educational institutions participated in the event. Reshma B from Mohandas Institute of Management won First place, Tuna Job from College of Engineering, Kidangoor won Second Place. The Student Co-coordinators Gracelin, Aarthi and Lohitha coordinated the event with Mr.MArun, AP/ECE and HOD Dr. M.P Chitra, HOD/ECE.



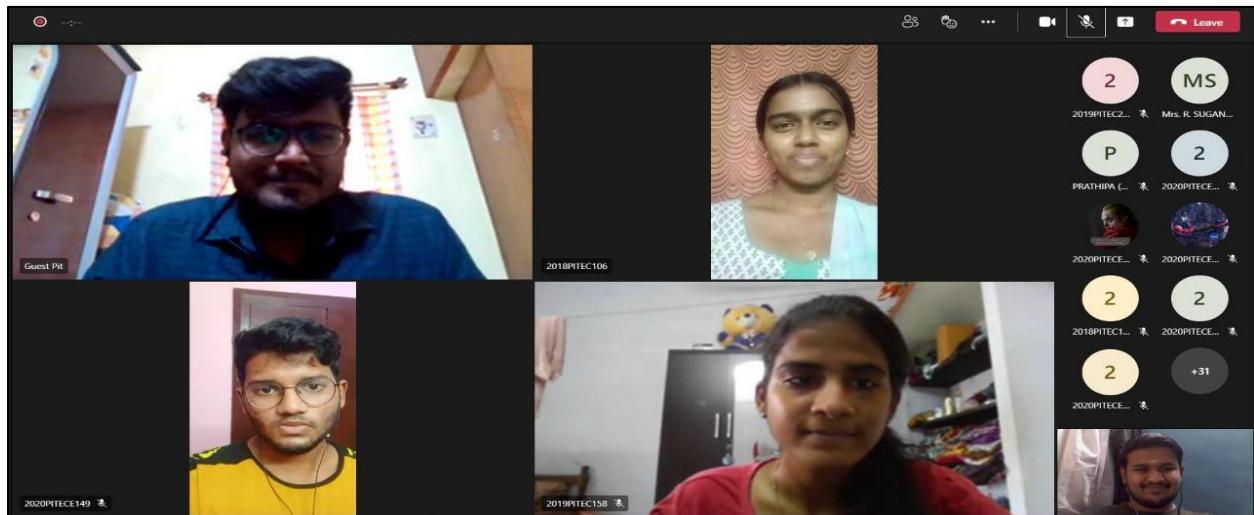
### **"Seminar on Entrepreneurship Development"**

IIC in association with EDC, NISP, IETE, IEEE, CSI, ISTE and SAE conducted a seminar on the topic Entrepreneurship Development for students and faculties on 7 Dec 2021. The session was handled by Mr. Pranav Bonigi, Box from home - CEO and Founder, Vedantu Innovation - Team hiring, Team Committee Member. Seminar provided a glimpse to focus on the right kind of orientation to the participants in strengthening knowledge of entrepreneurship with basic understanding. Speaker gave more insights about entrepreneurship and the difference between a business and entrepreneurship. Around 60 participants participated. Dr.M.P.Chitra, Prof. & HOD ECE & L. Ashok Kumar, Associate Professor ECE coordinated the event along with Ms. Lakshana , Ms. Hepsiba & Ms. Infant raina.



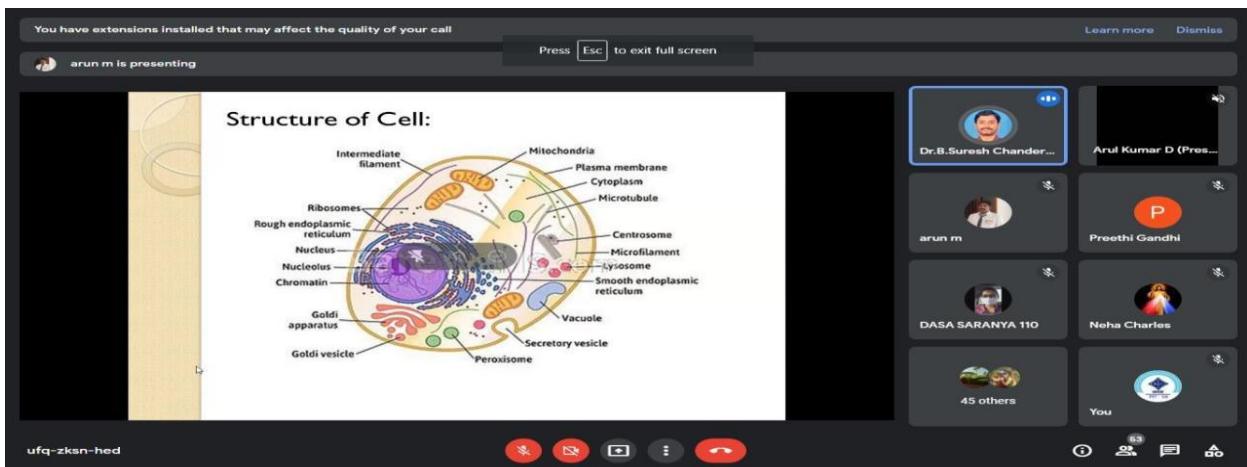
### **"My Story - Motivation Session by Successful Entrepreneur / Startup Founder"**

IIC,EDC in Association with IETE-ISF,IEEE SB, NISP, ISTE, CSI conducted an Interactive Session on the topic My Story - Motivation Session by Successful Entrepreneur/ Startup Founder by Mr. S. Akilan,CEO & Founder,Efimia Techshop, Chennai on 7 Dec, 21. Speaker shared his inspirational story and motivated us to become Entrepreneur. He shared some valuable points to be followed in life. Nearly 60 participants attended the session. The session was coordinated by Aparna G , Indhumadhi.G with staff coordinators Dr. MP. Chitra, HOD/ECE , Dr.R. Suganthi, AP/ ECE, Mr. N.Jeyakannan, AP/ ECE.



### **"Guest Lecture on Recent trends in biomedical Instrumentation"**

ECE dept. IEEE SB, IETE-ISF, IEEE IAS,EDS,IES SBC conducted a seminar on Recent trends in Biomedical Instrumentation for III ECE students on 8 Dec 21. The session was handled by Mr. Suresh Chander Kapali, Assistant Professor, Dept. of Biomedical Engineering, Easwari Engineering College. This Guest lecture was conducted to share trends that are happening in the field of biomedical instrumentation. Speaker shared Basics of BMI, followed by Life Assisting devices, Therapeutic equipment's, ICCU patient monitoring system, Nano Robots, Robotic surgery –Orthopedic prostheses fixation, Robotic Devices, etc., The student co-ordinators Dhanalakshmi and Sripriya coordinated the event under the guidance of Dr. I.Poonguzhal & Mr. D.Arul Kumar Associate Professor, ECE.



### **"Mini Project Competition"**

IEEE SB,IETE ISF in association with IEEE TEMS, PES, EDS, IAS has organized a Mini Project Competition for students of ECE on 9 Dec 21. Various teams have presented their ideas and explained the presentation along with their prototype. Nearly 30 teams have participated in this competition. Top 3 Teams teams were selected as the winners and rewarded with the certificates. The student coordinators Lohitha, Lakshana and Sowmiya coordinated the event under the guidance of Dr. Sathyapriya, Dr. Suganthi, Dr. Selvarani and Mrs. Ranjana/ECE.

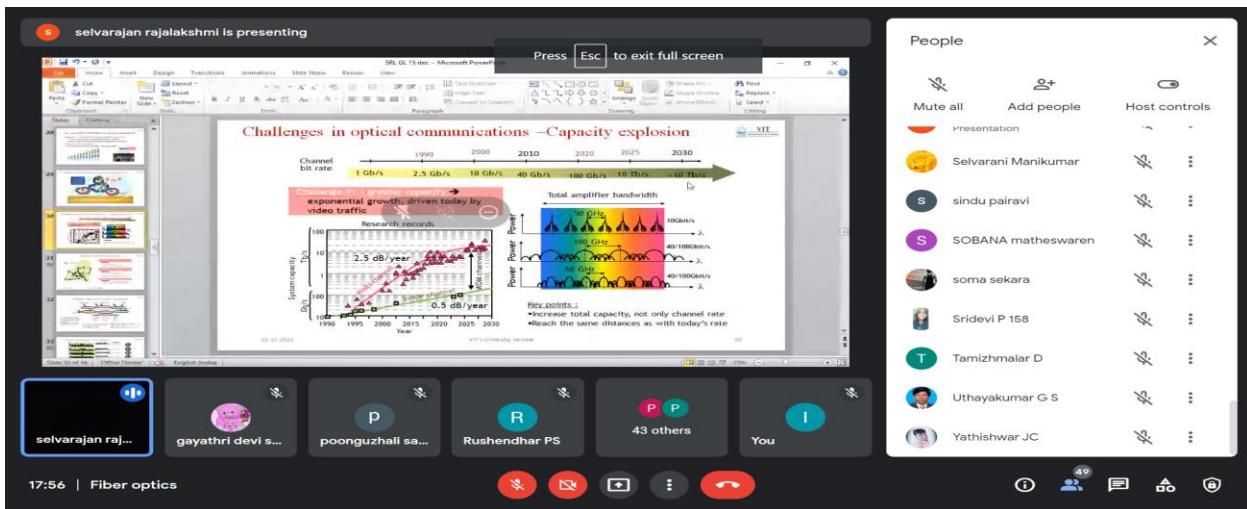


### **"Seminar on Intellectual property Rights"**

IIC in association with IEEE SB, IETE-ISF, IEEE IAS,EDS SBC organized a seminar on Intellectual property Rights by Dr. R. Valli, Professor/ECE, Head (R&D) Manakulla Vinayagar Institute of Technology, Pondicherry on 14 Dec 21. She gave a brief introduction on IPR and explained the various related terms such as copyrights, patents etc., Role of patent search in promoting Innovation. The different tools available for patenting were introduced in this session. The importance to file patents and the patent filing procedures were stressed in the presentation. Around 85 participants attended.The student coordinators Dasa Saranya and Sowmiya coordinated the event under the guidance of Dr. MP. Chitra, HOD/ECE, Dr. I.Poonguzhalai and Mr. Arun .M AP/ECE.

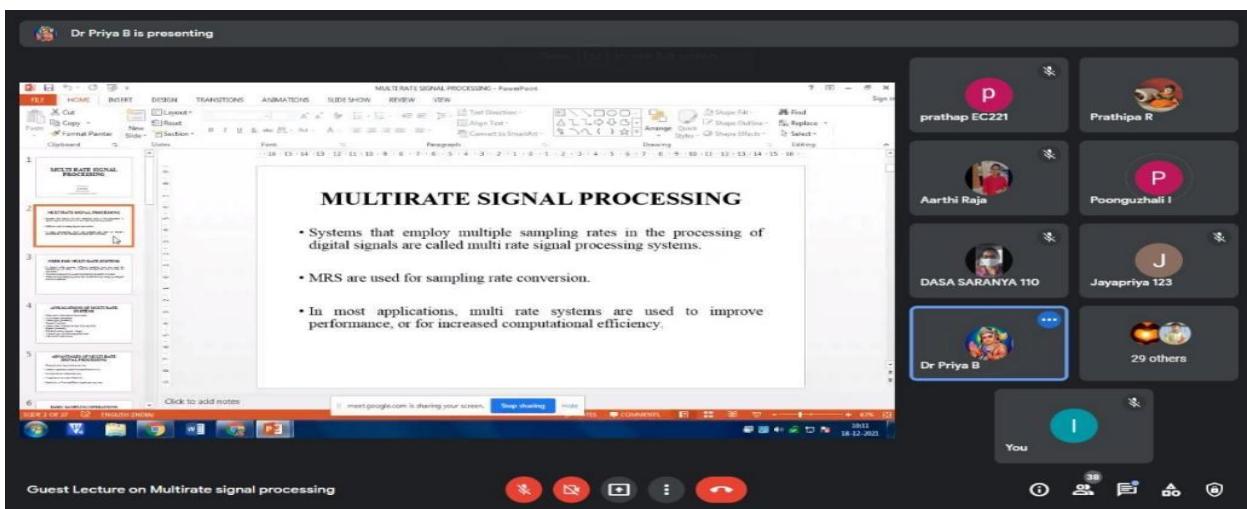
### **"Guest Lecture on Fiber Optics-challenges, Application and Future Prospects"**

ECE dept. in association with IEEE SB, IETE-ISF, ISTE, IEEE Photonics society organized a guest lecture on Fiber optics-challenges application and future prospects by Dr. S Rajalakshmi, AP(Senior)/ECE,SENSE, Vellore Institute of Technology for final year ECE students on Dec 15, 2021. Speaker shared the Basic concepts of Fiber Optics, implementation of fiber optics-challenges, uses. She also speaks about the future aspects of Fiber optics & challenges. Nearly 155 Participants attended the session. Student Co-ordinators Ragavi.B, Dhanalakshmi G P, Manju. M, Sripriya. R coordinated the event with Dr.M.P.Chitra,HOD/ECE, Dr.I. Poonguzhalai, Assoc. Prof/ECE.



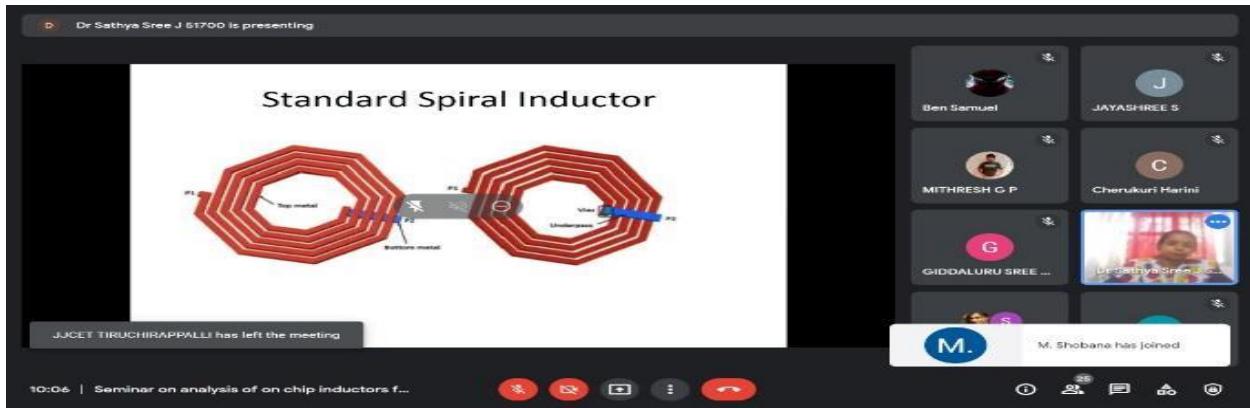
### **"Guest Lecture on Multirate Signal Processing"**

ECE dept. NEST4U Club in coordination with IETE –ISF, IEEE PIT SB, IEEE WIE, IEEE signal processing society, IEEE TEMS organized a guest lecture on Multirate Signal Processing by Dr. B.Priya, Professor, Department of ECE, Rajalakshmi Engineering College for third year ECE students on December 18, 2021 Speaker shared insights of Multirate Signal Processing, Concepts of decimation, interpolation, Application of Signal processing in Daytoday life. Nearly 175 Participants attended the session . Student Coordinators Arthi and Sripriya. R coordinated the event with Dr.M.P.Chitra,HOD/ECE, Dr.I.Poonguzhalai & Mrs. R.Prathipa, Assoc. Prof./ECE.



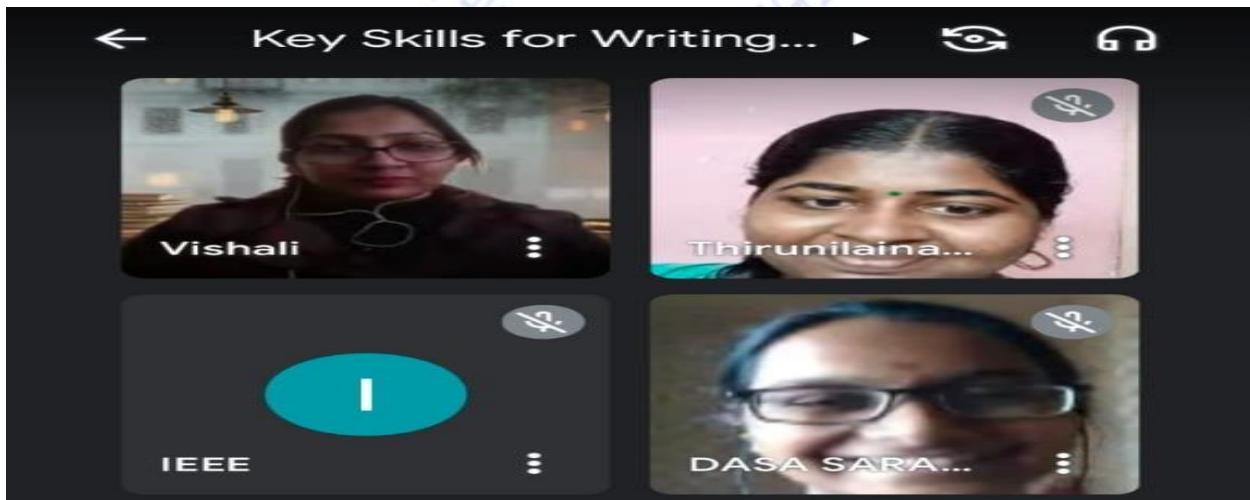
**"Seminar on Analysis of on-Chip Inductors for RF Applications"**

ECE dept. Hertz and Shannon club in association with IETE, IEEE, IEEE APS, EMC, WIE conducted a Seminar on the topic Analysis of on-Chip Inductors for RF Applications by Dr. J.Sathya Sree, Assistant Professor, ECE, VIT university, Chennai on 18 Dec, 2021. Speaker discussed Application of RF, Standard spiral inductor, Performance Techniques, Current Crowding Effect etc., and the speaker also addressed many queries posted by participants. The session was coordinated by Ms.Indhumathi G and Mr. Jeganathan under the guidance of Dr.S.Sathya Priya, Professor and Mr. M Arun, APECE.



**"Webinar on Key Skills for Writing A Resume"**

IETE, IEEE SB, IEEE TEMS, IETE, WIE, IEEE CS, CSI had conducted a webinar on the topic Key Skills for Writing a Resume by Ms Vishali Bhardwaj Soft skills trainer at Chandigarh University on December 27, 2021 at 3.00 PM – 4.00 PM. Nearly 25 participants participated in the session. In this session speaker shared her experience and view about writing an effective resume in which many of the pre-final year students were participated. The student coordinator Akshaya Durai, Dasa Saranya coordinated the event under the guidance of Mr. Arun AP/ECE, Dr.V.Subedha, HOD/CSE, Dr. M.P Chitra HOD/ECE.



Reported by: Mr. Arun M, arunecepit@gmail.com

**Ramco Institute of Technology, Rajapalayam,****"TechMerize"**

IETE ISF & ECE dept. organized a Technical event TechMerize on 21.10.2021 for II & III year ECE students. Around 20 students participated. The participants have attended quiz in first two rounds and in the third round circuit debugging related to Basic Electronics have been done. The winners of the event are B.Keerthika III ECE, K.Dharini III ECE and K.Aparna II ECE. The event was organized by the student coordinators P.Deepak Chakravarthi & S.Hariharan of III ECE and faculty coordinators Mrs.R.Ramalakshmi, & Mr.P.Venkatesh, AP/ECE.

**RAMCO INSTITUTE OF TECHNOLOGY**  
 Approved by AICTE and Affiliated to Anna University  
 Accredited by NAAC & An ISO 9001:2015 Certified Institution  
 NBA Accredited UG Programs: CSE, EEE, ECE & Mech  
 Department of Electronics and Communication Engineering

**Google Meet Link:**  
<https://meet.google.com/vsa-eicc-ehv>

**E-certificate will be provided to all participants**

**Chief Patron:**  
 Dr.L.Ganesan, Principal  
**Patron:**  
 Dr.S.Rajakarunakaran, Vice-Principal  
**Convenor:**  
 Dr.S.Periyanayagi, Professor & Head/ECE

**Faculty Coordinators:**  
 Mrs.R.Ramalakshmi, AP/ECE  
 Mr.P.Venkatesh, AP/ECE

**Student Coordinators:**  
 P.Deepak Chakravarthi &  
 S.Hariharan, III Year ECEA

**Time and Date**  
 21.10.2021 @ 6.00 pm

**RIT-IETE Students Forum Organizing Technical Event "TechMerize"**

**"Guest lecture on Advances in Antenna design for Biomedical Applications"**

ECE dept. in association with IETE ISF jointly organized Guest lecture on Advances in Antenna design for Biomedical Applications on 29.10.2021 (Friday) at ECE Seminar Hall for II, III & IV year ECE students. The Chief Guest, Mr.T.Jayanandan, Founder & CEO, Tesla Mind, Chennai shared his experience and insisted them to learn the basic concepts of the subjects which will help them to get placed in core companies. The students actively participated in the guest lecture by asking various doubts. Dr.S.Periyanayagi Prof& Head/ECE convener, Mr.D.Gopinath AP/ECE & Mr.A.Ramesh babu AP/ECE coordinated the event. Student coordinators Ms.Deepika, gave welcome address and vote of thanks.



**Reported by: Mrs.V.SirengaNachiyar, sirenaga@ritrjpm.ac.in**

### Sri Sairam Engineering College, Chennai

#### **"IETE Foundation Day Celebration"**

ECE dept. celebrated the IETE foundation day on 02.11.2021 on campus. The event was conducted at the Beta hall with 100 participants from 2<sup>nd</sup> year and 3<sup>rd</sup> year. Dr S Sumathi, professor, ECE and ISF Coordinator briefed on the various activities such as Quiz competition, sell your product and Adzap conducted and acknowledgements received throughout the year.



#### **"Value added Training Programme on "Internet of Things"**

ECE dept., IETE Student Forum in association with Lema Labs organized 3 day Value Added Training Programme on "Internet of Things" from 11.10.2021 to 13.10.2021. Students were provided with hands on training by Mr.Parthiban, Team Lead from LEMA Labs, IIT Research centre, Chennai. Students benefited by completing IoT based projects. The Training program facilitates the students to excel in the emerging fields.

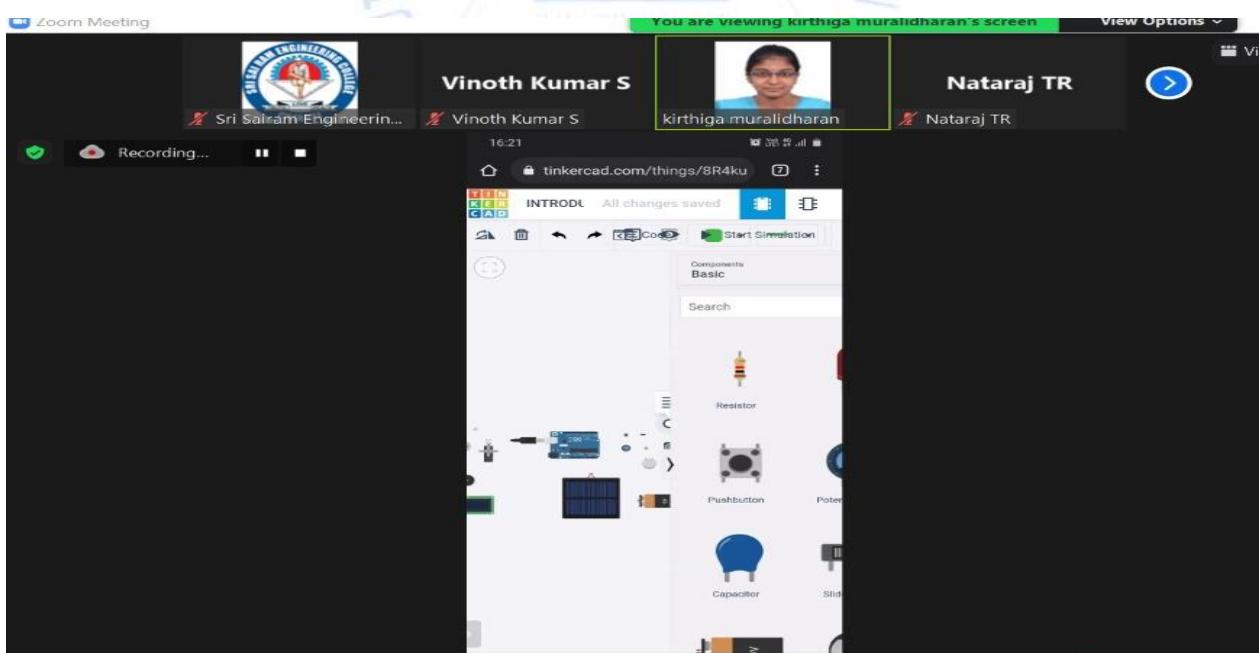


**"Seminar on Critical Thinking and Innovation" on 20.12.2021**

ECE dept. with IETE Student forum organized Seminar on Critical Thinking and Innovation on 20.12.2021. Resource person Dr C.R.Rene Robin, Dean Innovation delivered talk about critical thinking and innovation for problem solving, developing Projects and business model.

**"Workshop on Tinkercad"**

IETE Student Forum organized workshop on Tinker cad 19.12.2021. The workshop facilitates the students to excel in using Tinkercad for simulation.



**Reported by: Dr.K Sumathi, SumathiK.ECE@sairam.edu.in**

**Sri Sairam Institute of Technology, Chennai.**

**"Workshop on Antenna design"**

ECE dept. In association with IETE ISF organized Workshop on Antenna design on 12/10/2021,10 am to 4pm for our students through off line mode. Mr.R.Kabilan, Application Engineer,Elmack Engineering Services Pvt Ltd., conducted the workshop.



**"IDEATHON 21"**

ECE dept. & IETE ISF organized IDEATHON 21 on 18/11/2021,9.30 am for students through online mode. Around 30 batches of students from various colleges of state participated.Ms.Lavanya Kumaravel, Embedded Engineer,Uniq technologies spoke on the topic AI & Embedded system



Reported by: Dr. Saravanan P, saravanan.ece@sairamit.edu.in

## Sri Venkateswara College of Engineering, Sriperumbudur

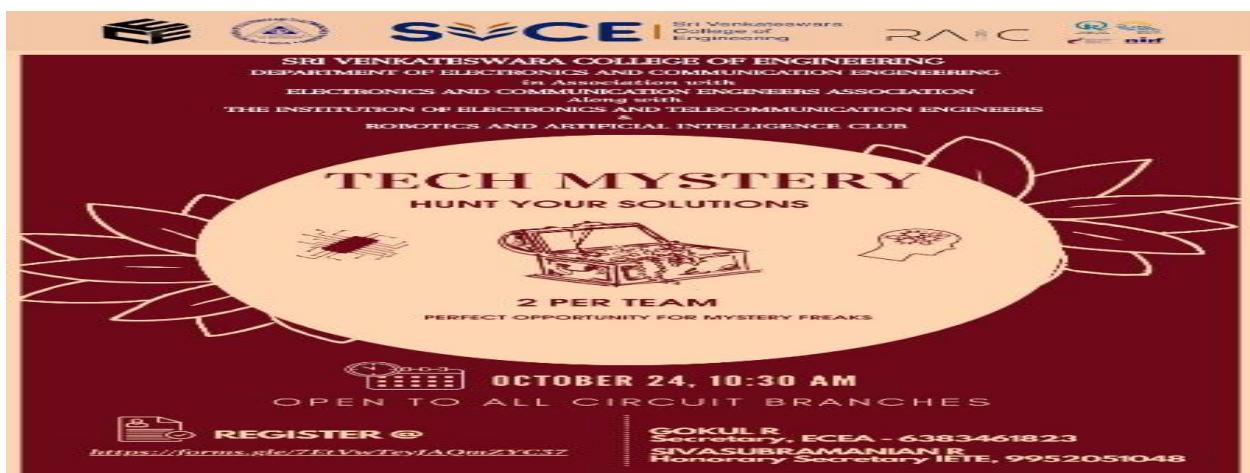
### "PCB DESIGN- workshop on introduction to PCB"

Workshop on introduction to PCB was organized by the ECE dept. in association with the ECEA,IETE ISF and RAIC by Ms. R . Premalatha, Hardware Lead, Zettaone Technologies on 23 October 2021, 05.30 PM - 07.00 PM. Speaker Explained the basics and preliminary steps involved in designing a PCB. She went on to elaborate the complexity involved in designing the same. The significance of a schematic sketch was thoroughly explained. Going further she highlighted the importance of PCB in electronic devices. The layers present in a PCB and a basic idea of the processors involved were discussed. A practical PCB was designed and demonstrated step-by-step with the help of a software tool (EDA) by the Chief Guest. The participants were also explained about using the tool effectively. The benefits and future scope of PCB were made clear to the students. Event was coordinated by Ms.T.J.Jeyaprabha, Dr.Ashvanth,Mr.G.Loganathan.



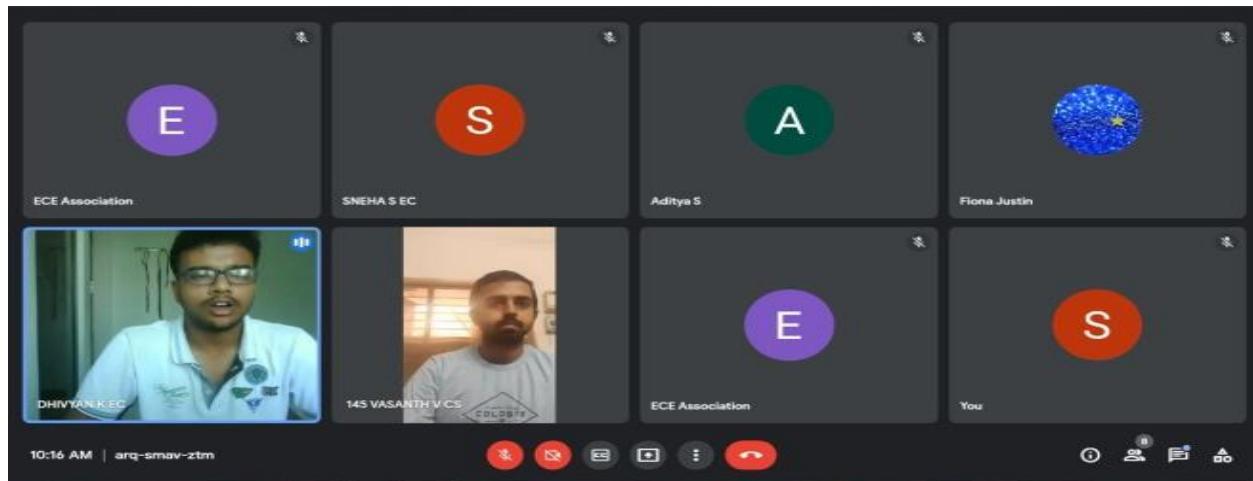
### "TECH MYSTERY"

TECH MYSTERY event was organized by the ECE dept. in association with the ECEA,IETE ISF and RAIC on 24 Oct 2021 from 10:30AM to 12PM. The competition consisted of two rounds, Quiz & Circuit Debugging. The event was made exclusive for the second year ECEC. 50+ students actively participated in the competition. The first round – Technical Quiz commenced at 10:30 am, by Ms. T J Jeyaprabha. After the successful completion of the first round, the first 10 winners of the scoreboard were qualified for Round 2. The second round – Treasure Hunt commenced at 11.15 AM. 10 teams were finalized to participate in this round 2. The winners were selected on the basis of precision and speed. Both the rounds were anchored by Ms.Amirtajosna, Executive Member, ECEA and Ms.D.Saalini, Executive Member, ECEA.



### **"Tug of Word's War"**

IETE ISF organized Tug of Word's War event on 24.10.2021 in presence of Dr.S.Muthukumar, HOD/ECE & Ms.T.J.Jeyaprabha, Honorary Treasurer, IETE Chennai Centre. The first round began at 10:00am. After a preparatory time of 1 min, participants were asked to voice out their option for a min. After which a one on one duel was ensued between them for 2 mins.The second round started at 14:00.The participants fought back and opposed to the given topic, and switched sides when the buzzer rings. The rounds were judged by Mr.SaurabhSonawane, Mr.S.Aditya, Ms.Pooja Ramesh and Ms.Fiona Justin, Final Year, ECE. The winners of this game are R.Aaditya Prasad, ECE A; S.Dhruv, EEE A; M.Adithyan, ECE B of second year.



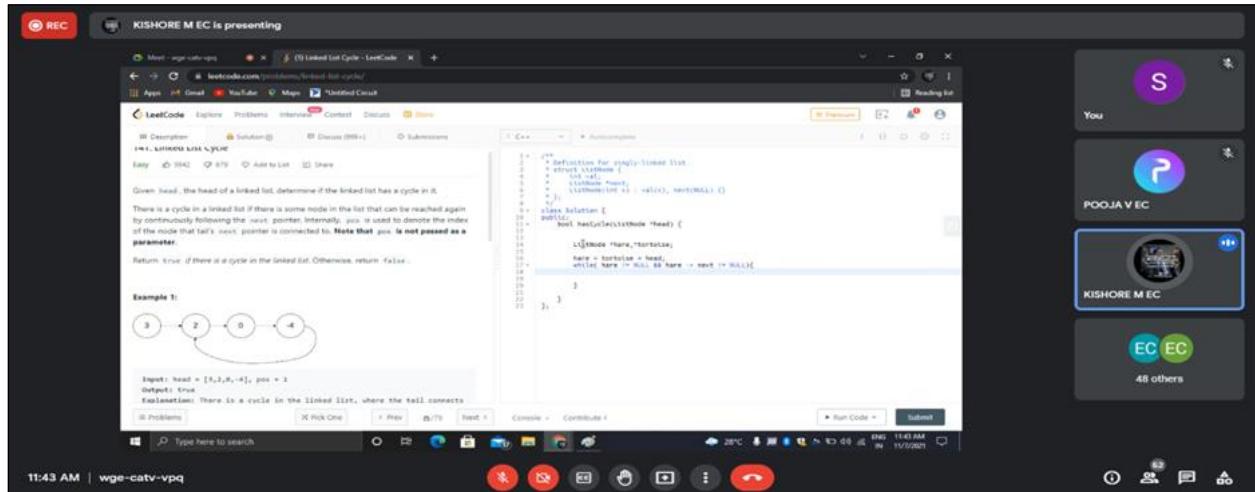
### **"FODSE-Inauguration Ceremony"**

IETE ISF organized FODSE Inaugural ceremony on 31 Oct 2021 from 10:00 AM to 11:30 AM. It was honored by the guest , Mr. Gaurav Sundararaman who is a Senior Analyst in ESPN. The Office Bearers were introduced by Mrs.T.J.Jeyaprabha, Honorary Treasurer IETE Chennai Centre. Keynote segment was then followed by a live 70+ Online segment called “11 in swingers with Gaurav Sundararaman” where Mr.Jeffrey Joan, Technical Lead FODSE had asked a compilation of 11 questions and Mr.Gaurav Sundararaman accentuated them in an elaborate manner. It was then followed by a live session where audience posed numerous questions and he explained by stating the facts and figures which received an overwhelming response from audience.



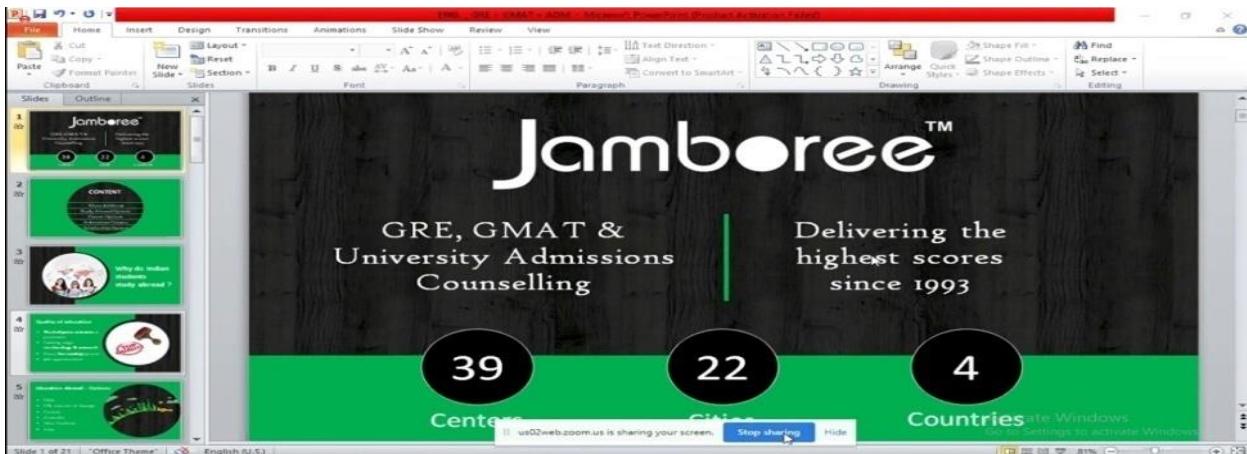
### "WORKSHOP - LINEAR DATA STRUCTURES WITH STL"

Workshop on Linear Data Structures with STL was organized by the ECE dept. in association with the ECEA,IETE ISF and RAIC by Mr.M.Kishore, Executive member, ECEA for II ECE students on on 06/11/2021 & on 0/11/2021 The important topics covered in all the sessions include Linear Data Structures and Standard Template Libraries (STL) with real life applications, linked lists, multisets, usage of Leetcode, GitHub basics and the process involved in writing a resume. 90+ students actively participated in the workshop. Event was coordinated by Ms.T.J.Jeyaprabha, Dr.Ashvanth,Mr.G.Loganathan.



### "Webinar on How to Study Masters Abroad with Minimal Investment and Scholarships"

Webinar on How to Study Masters Abroad with Minimal Investment and Scholarships was organized by the ECE dept. in association with the ECEA,IETE ISF and RAIC by Mr.Raghavan, Overseas Admissions Expert, Jamboree Education on 29/12/2021 for III ECE Students. The virtual session took place from 11AM to 12:30 PM. 30+ students actively participated. Mr.Raghavan briefed the students about the basic criteria and process of masters in abroad. He also spoke about the low investment options suited for masters abroad. He briefed the participants through the courses available in all countries and the scholarship options for each country. He also explained about profile building for pursuing masters and the road map for applying to universities abroad. He also stressed on the importance and scope of pursuing masters abroad. Event was coordinated by Ms.T.J.Jeyaprabha, Dr.Ashvanth,Mr.G.Loganathan.



Reported by: Mrs.Jeya Prabha T J, jprabha@svce.ac.in

**IETE CHEN LINK**  
**IETE Chennai Centre Newsletter**

**Guidelines**

**Event Announcements**

Events organized with IETE tag which includes IETE ISF activities, IETE Chennai Chapter activities which are directly organized / co-organized or technically sponsored or any other association with IETE, shall be informed to IETE Chennai Chapter in the mail id **ietechennailink@gmail.com**.

**Event Reporting for News Letter (NL) Publishing**

Please follow the guidelines given below for reporting events to be published in the newsletter through IETE Chennai LINK

Report only the events organized by IETE (technical / financial). Avoid reporting events that are irrelevant for publishing in IETE Chennai centre Newsletter.

Only ISF Coordinators shall report the consolidated events organized in a college. Newsletter reporting of a particular month shall be submitted before 5<sup>th</sup> date of next month.

Use SINGLE column format and the content may be in .doc / .docx formats only.

It is preferred to have a picture associated with the event. DO NOT embed the photograph in the report document. Send three relevant photo separately, in .jpg format, clearly indicating the photo corresponding to which event in case of multiple events being conducted and reported in a calendar month.

The size of photo shall not exceed 1MB (1024 x 1024 pixels max.); you may do necessary cropping / re-sizing, but ensure that the information is not lost and clarity is preserved.

Send the NL contents by email with the subject “IETE ISF Activity Report of < College name in short, Location> for < Month > <Year >” Example: IETE ISF Activity Report of SVCE, Sriperumbudur for April 2021.

Send the NL contents by email **ietechennailink@gmail.com**.

Individual events report should be submitted after successful completion of the event in the following link. **<https://tinyurl.com/IETECHENNAILINK>**

Pl. co-operate with us by adhering to the guidelines specified. Please note that the reports not adhering to these guidelines will not get published. The Editorial reserves right to do editing as required for clear publishing of reports.

# Template for the Event reporting for IETE News letter

(Font Size Arial: 11)

Format for filling the information,

Event Name			
Centre (name)			
Venue (College/Institute)			
Date & Time			
Chief Guest			
Topic of Chief Guest Speech & Highlights (Max. 25 words)			
Important dignitaries attended			
Brief Report including above information (Max. 200 words for Centres/ Sub-Centres & 75 words for ISFs)			
Photographs (Max. 3) with short captions ( Resolution : 300 dpi, format: jpg)			
Photograph	Photograph	Photograph	

## Announcement

IETE Chennai Centre congratulates **Rajagopal Polytechnic College, Gudiyattam** for becoming Life Organizational Member of IETE



**THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS**

CHENNAI CENTRE

37, Conran Smith Road, Gopalapuram, 600066

**PAPER PRESENTATION****12.03.2022****About IETE Chennai Center:**

Chennai Centre of IETE is committed to attain commanding heights and achieve the status of "Centre of Excellence" in Technical, Engineering & Management education by harnessing the best practices in educational innovation and through its concerted endeavors like quality teaching, industrial consultancy and training to the aspirants including corporate training.

The Centre assigns top priority to the basic need for 'education transformation' in keeping pace with time, and aims at developing the highest quality of manpower to cater to the needs & expectations of industry, R&D and educational institutions, with higher degree of employability for today and tomorrow.

**About The Event:**

IETE-Chennai Center invites technical papers from undergraduate students in the below mentioned broad areas: Electronics/ Telecommunication/ Computer/ IT/ Software/ Hardware Innovation/ Nanotechnology and related subjects.

**Rules & Regulations:**

- ❖ Paper can be based on any project done at college/ company/ internship.
- ❖ Interested candidates are advised to mail the complete paper in IEEE format.
- ❖ The competition is open to all Engineering students.
- ❖ The participants of shortlisted candidates will be informed by E-Mail ID or by Mobile.
- ❖ Decision of the judges and the event heads shall be treated as final.
- ❖ Directly copying from the Internet is strongly discouraged and will not be entertained.
- ❖ All the candidates will get participation certificates.

**Registration**

Students are requested to register using <https://tinyurl.com/IETEChennaievent2022>

Project Team Reg. Fee : Max. 3 Members / Team

**Fees:**

IETE Members: 300 per Team  
Others : 400 per Team

**Awards:**

1 <sup>st</sup> Prize	: ₹ 3,000
2 <sup>nd</sup> Prize	: ₹ 2,000
3 <sup>rd</sup> Prize	: ₹ 1,000

**Important Dates:**

Last Date of Submission	: 06 <sup>th</sup> Mar 2022
Declaration of Shortlisted Candidates	: 08 <sup>th</sup> Mar 2022
Presentation Date	: 12 <sup>th</sup> Mar 2022

**Contact Details:**

Mrs. T J Jeyaprabha, Honorary Treasurer, 9840742022  
Mr. M Arun, Member, 7200096048  
IETE Chennai Centre

## THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

CHENNAI CENTRE

37, Conran Smith Road, Gopalapuram, 600066



### PROJECT EXPO

12.03.2022

#### About IETE Chennai Center:

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The Centre assigns top priority to the basic need for 'education transformation' in keeping pace with time, and aims at developing the highest quality of manpower to cater to the needs & expectations of industry, R&D and educational institutions, with higher degree of employability for today and tomorrow.

#### ABOUT THE EVENT:

Students are invited to show their interest in engineering by displaying their innovative ideas to address social issues in the form of projects that can be a software solution or hardware integrated.

The theme of the event in the domains of

- ❖ Women and children safety
- ❖ Disaster prediction and risk management
- ❖ Special need and healthcare
- ❖ Uplifting societal standards
- ❖ National Resource Management and protection

The selection process of the projects will be carried out with a panel of jury based on Creativity, Application, Relevance to the theme, Application of standards, Deliverability.

Evaluation will be on the basis of initiative to select a real world issue and finding a feasibility solution, details of the solution and ability to answer the questions of the jury.

#### Registration

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#### Contact Details:

Dr. D. Vijendra Babu, Member  
Mr. M Arun, Member, 7200096048  
IETE Chennai Centre

**THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS**  
**IETE CHENCON 2022**

**International Conference on Power of Artificial Intelligence and Machine Learning for Human Empowerment**

April 22 & 23, 2022  
Hybrid Mode

## Call for Papers

### About IETE

Founded in 1953, the Institution of Electronics and Telecommunication Engineers (IETE) is a leading professional society. Its vision is to reach the unreached and empower the youth through Technical Education and Skill development with a Mission for Advance of Electronics, Telecommunication, Information Technology & other related disciplines; to contribute in Nation's Human Resource & Infrastructure Development through our Engineers & Scientists. The Government of India, Ministry of Science and Technology, Department of Scientific & Industrial Research has recognized IETE as a Scientific and Industrial Research Organization (SIRO).

### Scope of The Conference

Recently, the use of AI/ML technology has been exponentially increasing in our daily lives. AI/ML applications represent an important evolution in computer science and data processing that is quickly transforming a vast array of domains. IETE CHENCON 2022 provides vibrant opportunities for the delegates to exchange new ideas, applications, practical challenges encountered and to leverage AI and ML technologies. The technical program of the conference will consist of invited key note talks and paper presentations. IETE CHENCON 2022 accepts technical paper presentation from research scholars, faculty, students and industry professionals in emerging areas of AI and ML applications but not limited to:

#### Track - 1: AI Enabled Technologies

- Advanced Robotics
- Intelligent Drones and UAVs
- Natural Language processing
- Speech Recognition
- Image Processing
- Conversational systems
- Image analysis
- Computer vision
- Face and Gesture Recognition
- Object recognition
- Document analysis
- Earth observation and Visualization
- Weather and Climate prediction
- Localization Techniques
- Ethical and Responsible AI

#### Track - 2: AI/ML Infrastructure

- Enhanced data visualization
- Data preparation
- Data labeling
- Big data
- Edge devices
- Cloud ML platform
- Digital health and well being
- Prediction /Detection of diseases
- AI for Effective treatment/therapy
- 3D imaging and sensing
- ML/AI for autonomous systems
- AI and ML for Healthcare
- AI and ML Pandemic tracking
- AI and ML for Virtual learning
- Physics inspired ML

#### Track - 3: Emerging Applications of AI in Communication

- AI/ML in the PHY Layer
- AI and machine learning for 5G
- Propagation at mm Waves and THertz
- Beyond 5G & 6G communications
- New modulation and coding techniques
- Antenna array processing
- AI/ML for wireless/optical/satellite networks
- Reconfigurable Intelligent Surfaces
- Detection, Localization
- Radio Network Traffic Prediction
- Mobility Analytics
- Smart Communications
- MIMO and Multi antenna Beamforming
- Microwaves and Antenna
- THz Sensing and Spectrum

#### Track - 4: Industry Applications of AI

- Factory automation
- Autonomous driving and V2X
- Internet of Things Analytics
- Cryptography
- Energy Management and Analytics
- Smart farming environments
- Quantum Computing
- Cybersecurity
- Cryptocurrencies
- Smart Cities Based on IoT and AI
- Industry 4.0
- Underwater Technologies
- 6G, Augmented /Virtual Reality
- VLSI designs of AI implementations
- AI/ML Chipsets

### Submission Guidelines

Prospective authors are invited to submit full papers describing original, previously unpublished, complete work in four pages in A4 IEEE double column conference template, including figure, results and references. Submitted papers will be reviewed by two to three technical committee or reviewers. Accepted and registered papers of IETE CHENCON 2022 will be published in the conference proceedings. Extended versions of the accepted and presented papers will be recommended for publication in IETE Journals, SCOPUS, SCI and other indexed journals. Authors must submit the papers through their Easy chair account using the following link: <https://easychair.org/conferences/?conf=ietechencon2022>

### Registration Fee & Details

At least one author for each paper should register for the conference. If an author has more than one accepted paper, registration fee has to be paid for each Paper ID.  
 IETE members including ISF : Rs. 1500 + GST  
 Non-IETE members : Rs. 2500 + GST  
 International Participants : \$50

### Important Dates

Last date for paper Submission: 22.03.2022  
 Notification of Acceptance: 05.04.2022  
 Registration on or before: 10.04.2022  
 Conference Dates: 22.04.2022 & 23.04.2022  
 For more details please visit: <http://ietechennai.in/events.html>

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Engineering College

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College of Engineering

**Contact Details:**  
 Mr. Arun, Mrs. T.J. Jeyaprabha, Mobile: 72000 96048; Phone: 044-28350773  
 Email: chencon2022@gmail.com, Website: <http://ietechennai.in>

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**No. 37, Conran Smith Road, (Main Entrance Peters Road),**  
**Copalapuram, Chennai-600 086.**

For Private Circulation

**IETE CHENLINK**

Newsletter of IETE Chennai Centre

Vol.1, No. 3:: December 2021

*Editorial Team*

Dr. N.Venkateswaran, Chairman IETE Chennai Centre

Mr. M.Arun, Editor

**IETE Chennai Centre**

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