1. ANNUAL GENERAL MEETING '21

Date: 31st January 2021

Venue: Google Meet

The IEEE SB CETkr started off the year 2021 with the Annual General Meeting with great enthusiasm, joy to volunteer and for new challenges on 31st January 2021 at 5:30pm IST. Mr. Vinod Pottakulath gave the inaugural address and the annual general meet was inaugurated with great enthusiasm. After the inaugural address felicitations where given by HODs of respective departments. Annual report of 2019 was presented by Vaishak P, Secretary of IEEE SB CETkr. WiE report, PES report and IAS report were presented by respective Chapters Chairs.

2. INGENIUM

Date: 31st January- 10th February 2021
Venue: Virtual platform
IEEE PES SBC CETkr organized INGENIUM, a commemoration to the great legend, Benjamin Franklin as a part of Remembering Legends 2.0. An essay writing competition and poster designing competition was held in accordance with the event from 31st January -10th February 2021. It was exclusively for first year UG students.
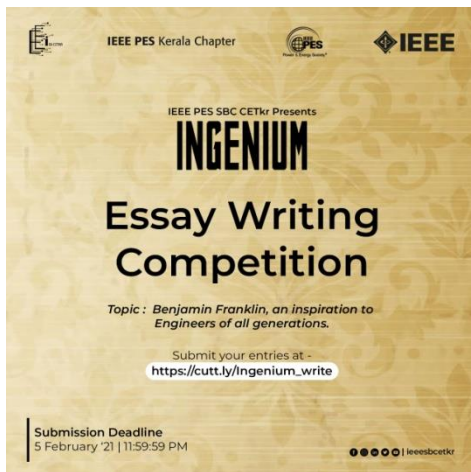Details of activities:

- ## ESSAY WRITING COMPETITION
  An Essay Writing Competition was held in accordance with INGENIUM. There were a total of 6 participants. The topic for the competition was "Benjamin Franklin, an inspiration to

Engineers of all generations. Entries were received through google forms. Adharsh P Sunil of RIT Kottayam was selected as the winner.

- **POSTER DESIGN COMPETITION**

A Poster Designing Competition was held in accordance with INGENIUM. There was 1 participant. The topic for the competition was "Contributions of Benjamin Franklin as a scientist and leader. Entries were received through google forms. Sterin Roy of RIT Kottayam was selected as the winner.

The competition as a whole was a great success and gave the participants an opportunity to showcase their writing and artistic skills. The winners were bestowed with certificates.

3. IAS MEMBERSHIP DEVELOPMENT SESSION

Date: 14th February 2021

Venue: Google Meet

IEEE SB CETkr conducted an interactive session on "Membership Development" exclusively for the members of IEEE SB CETkr. The session was handled by Ms. Nivetha KM, MD Coordinator and Kochi HSR Student execom 2020, IEEE IA/IE/PELS Jt. Chapter Kerala. The session was really informative and useful. The session began with a warm welcome address by Vaishakh S Nambiar, Chairperson, IEEE SB CETkr.

The training outlined principles on what is IAS, advantages of having an IAS membership and many other topics.

- IEEE Industry Application Society
- IEEE IAS opportunites
- Joint Publications of IEEE IAS
- Activites of IEEE IAS/IE/PELS Jt. Chapter Kerala
- IEEE IAS CMD Chapter Web Contest
- IAS CMD Award Winner and Travel grant recipients from Kerala Section

The session as made more captivating by conducting a Kahoot by ensuring participation from almost all the attendees. The winners of the quiz were also announced. The session has a Q and A session. The session was really worthwhile and was powerful enogh to convince the attendees.

1. Espectra -Imagine, Invent, Inspire - Science Week 2021 Celebrations

Date: 21st -28th February 2021

Venue: Virtual platform

Espectra- Imagine, Invent, Inspire a week of enthralling events was conducted by IEEE SB CETkr as a part of Science Week 2021 Celebrations from 21st-28th February 2021.

• CRYPTICS – QUIZ COMPETITION

This invigorating event marked the commencement of Science Week 2021 Celebrations. It was conducted on 23rd February 2021 at 7PM. It was a half an hour event. Class maker was the platform used. There were a total of 46 participants among which 36 were IEEE members and the remaining non- IEEE members. Fathimath Rahna (S3, CETkr) and Swathi Prakash (S1, GCEK) secured the first and second position respectively. Third position was shared among Jairam R Prabhu (S7, Model Engineering College) and Vaishnav S Nambiar (S1, GCEK).

• SCRIBBLE IT-ARTICLE WRITING COMPETITION

This was the second event. The topic was "Nanotechnology and Future". The participants were asked to submit their entries via Google Forms on or before 26th February 2021 either as a pdf or doc. The first position was secured by Gopika T M (S1 EEE), Anaswara P (S1 CE) and Megha K V(S1 CSE) secured the second and third position respectively. All the winners were from College of Engineering, Trikaripur.

- **TALK ON 'SOFTWARE AUTOMATION TESTING USING SELENIUM WEBDRIVER AND CORE JAVA'**

The talk was scheduled on 28th February 2021 at 7PM.It prolonged till 8.30. It was handled by Ashik C Sreenivasan (CTO, Techbyheart India Pvt Ltd, Secretary, Prathidhwani- Welfare Organization of IT Employees Kerala). Platform used was Google Meet. There were 31 participants among which 20 were IEEE members
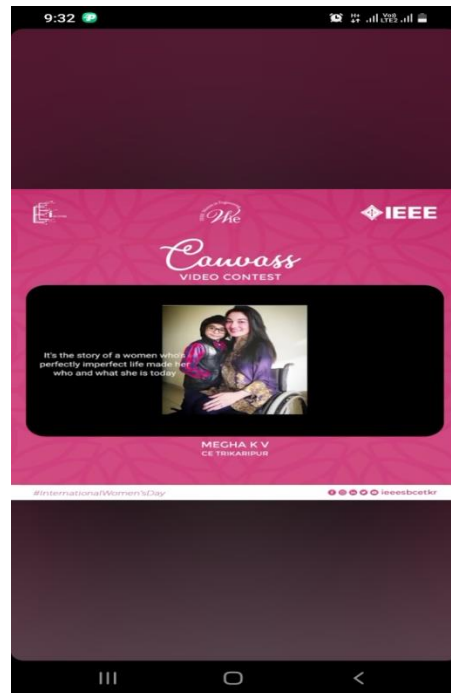
The competition as a whole was a great success and gave the participants an opportunity to showcase their talents and also to get the hang of something modish. The winners were bestowed with certificates.

2. CANVASS

DATE: 5TH MARCH 2021

Canvass video contest was conducted as a part of International Women's Day. The poster was released on 2nd March 2021 and entries were requested to submit before March 5th. The topic of the contest was 'She Inspired Me'. The participants were requested to submit their 1 minute entries through Google form in M4 format. The winner of the contest was Megha K V, College Of Engineering Trikaripur.

3. **DELOGO**

DATE: 5TH MARCH 2021

Delogo logo design contest was conducted as a part of International Women's Day. . The poster was released on 2nd March 2021. The participants were requested to submit their entries through google form. . The first position was secured by Anaswara P(College Of Engineering Trikaripur), Lekshmi Priya C M(Vimaljyothi College Of Engineering and Technology) and Aleenia Ann Thomas(College Of Engineering Kidangoor) the second and third position respectively.

4. <u>INTRODUCTION TO DATA SCIENCE AND MACHINE LEARNING</u>

DATE: 12th March 2021

VENUE: Google Meet

IEEE SB CETkr conducted webinar on the topic 'Introduction to Data Science and Machine Learning as a part of 'ESPECTRA-Imagine, Invent, Inspire –Science Week 2021 Celebration. The webinar was handled by Mr. Midhun M Data Analyst Engineer- Hashware Technology, Cofounder ReverTech IT Solutions, Secretary IEEE Kerala Section SIGHT. The session started at 5pm on Google meet. The session was every interesting and mind blowing as the topic is itself a very interesting for everyone. A total of 50 students where present in the session.

5. <u>PES Day 2021 Celebrations</u>
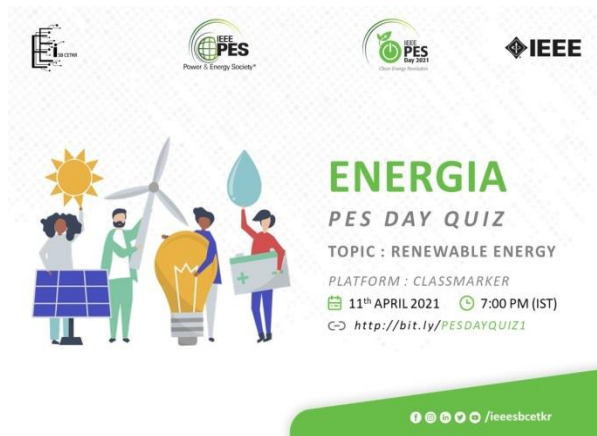
Date: 11th April -12th May 2021

Venue: Virtual platform

IEEE PES SBC CETkr conducted a series of rejuvenating events as a part of PES Day 2021 Celebrations from 11th April-12th May 2021.A quiz competition, write-up competition, workshop, experience sharing and a treasure hunt was conducted in accordance with the celebrations.

- ## <u>ENERGIA – TECHNICAL QUIZ COMPETITION</u>

This exciting event marked the commencement of PES Day 2021 Celebrations. It was conducted on 11th April 2021 at 7PM.The topic was "Renewable Energy". It was a half an hour event. Class maker was the platform used. There were a total of 34 participants. Amruth P (RIT Kottayam)

secured the first position. Sreeparvathy (RIT Kottayam) and Tasmiah Rahman (IUT Bangladesh) shared the second position. Third position was secured by Reshma B (LBSITW).

- ## <u>WRITEUP COMPETITION</u>

This was the second event. The topic was "Renewable Energy For A Clean And Sustainable Future". The topic and further instructions were provided on 27th April 2021. The participants were asked to submit their entries via Google Forms on or before 7th May 2021 either as a pdf or doc. There were a total of 9 participants. The first position was secured by Lekshmi Sharma (ASIET Kalady), Sreya T (CE Trikaripur) and Garziya Jacob (CE Trivandrum) secured the second and third position respectively.

- ## <u>WORKSHOP ON PROGRAM YOUR PLC</u>

The talk was scheduled on 4th May 2021 at 7PM.It prolonged till 8.30PM. It was handled by Mr.Premoth Aniruth T (Founder of Fusoplug, Mentor of IEEE SB JEC). The session marked the benefits and various applications of PLC. The Instructor detailed the programs and its specifications. And also insisted the participants to share the works during the session. It was really beneficial and helped the participants upgrade their knowledge on PLC. Platform used was Google Meet. There were 45 participants.

- ## **EXPERIENCE SHARING ON "STUDENT MEMBER TO YP WiP REPRESENTATIVE"**

This was an interesting and worth sharing event. It was held on 9th May 2021 in the time period 7:30-8:30 PM(IST). Ms.Raneena Raoof(YP Women in Power Representative, IEEE PES YP Kerala Section) shared the experience of her journey from "Student Member to YP WiP Representative". The platform used was Google Meet. The registrations were received through Google forms. There were a total of 41 participants. The session helped the participants recognize the importance of an IEEE Membership and also brought into lime light the opportunities and benefits hidden in this organization.

- ## **DIG INTO THE DEEP- TREASURE HUNT**

This riveting event marked the end of the celebrations. It was on 12th May 2021. The platform was WhatsApp. The timing of the event was from 7.00PM to 8.30PM (IST). The registrations were received through Google forms. This event was exclusively for the students of College of Engineering Trikaripur. There were a total of 23 participants. At sharp 7.00PM, ten password protected pdf's were distributed and the password to unlock the first pdf was also provided. The clues provided in the previous pdf's were the keys to the next. The one who unlocks all the pdf's using the clues provided in the previous sets of pdf's and sends the screenshot of the tenth pdf to the concerned was considered to be the winner. It was a tight race. Akshay K, Kiran Raj P and Dayes Joseph won the first, second and third prize respectively. All the three winners were from S2 CSE.

6. **QUIZE BEE**

DATE: 3RD MAY 2021

Women in Engineering Affinity Group's of IEEE SB CETKR,IEEE SB CEM and IEEE SB SJCET conducted avirtual quiz competition 'Quize Bee' as part of WIEvacity-WIE Week

Celebration on 3rd May 2021 at 5pm and Class Mark[...]
'Women and Technology'. Certification of appreciat[...]
Chacko(JCET Palakkad), Sherhin P P(GEC Palakkad[...]
Kochi) won the first second and third prize respectively[...]

7. <u>TAKE DEBATE</u>

To celebrate the spirit of womanhood, the student community of IEEE Women in Engineering Affinity Groups of IEEE SB CETKR, IEEE SB SJCET Palai and IEEE SB CEM decided to commemorate the essence of being a woman. With the theme 'Women and Technology'. An open to all registration form was released on 25th April 2021 and it was open till 2nd May 2021.Entries were collected through Google form. A Whatsapp group was created to communicate with the registrants. Google Meet was the platform selected to conduct the debate and unique numbers were provided for each team. There were about 21 participants from different colleges. The coordinators organized the event smoothly and were well cooperated by participants. The competition was a grant success and came to an end by 12th May 2021 6:30pm. Anna Thomas and Ashly Sibichan of St.Joseph's College of Engineering and Technology, Palai secured the first prize. Gayathri Satheeshkumar, Grace Antony and Neha Baju of Vidya Academy of Science and Technology secured second prize.

8. SPEAK UP

DATE: 9th MAY 2021
VENUE: GOOGLE MEET

As part of WiEvacity-WIE week celebrations 2021, Women in Engineering Affinity Groups of IEEE SB CEM, IEEE SB CETKR and IEEE SB SJCET Palai jointly organised Speak Up, an extempore competition to enhance the oratory skills of students especially girls. This event which gripped to the theme "Women and Technology" by all its colours, was conducted through Google meet at 6 pm on 9th May 2021. The first prize was secured by David Grace(GEC Palakkad), Sumayiah K Arshafudheen(T K M College of Engineering, Kollam) and Anagha Jayaraj(FISAT) secured second and third place respectively.

9. HELLO JARVIS

DATE: 21ST -23RD MAY 2021

VENUE: Cisco WebEx

IEEE IAS SBC CETkr organized a 3day Personal Assistant App Development Workshop- HELLO JARVIS from 21st to 23rd of May 2021. The platform for the same was WebEx. The session was handled by Mr. Shyam Pradeep Alil (Co-Founder and Chief Operations Officer Infusory Future Tech Labs Pvt Ltd. The workshop was aimed at making the participants capable of creating a Personal Assistant App by their own. Prerequisites and instructions were shared along with the poster. A detailed brochure was released later. Further details and meeting links were shared through WhatsApp and emails. Registration fees for IEEE members were Rs.100 and for Non-IEEE members were Rs.150. There were a total of 62 participants. 3rd day had a Mini Hackathon, in which teams were formed with 5 members each. Group 11 won the first prize by creating a "BMI Calculator" and Group 13 won the second prize by creating "Read Up". First prize and Second prize winners were awarded with cash prize worth Rs.1000 and Rs.500 respectively. The third position was acquired by Group 10 for creating a "Voice Translator".

10. WEBINAR SERIES

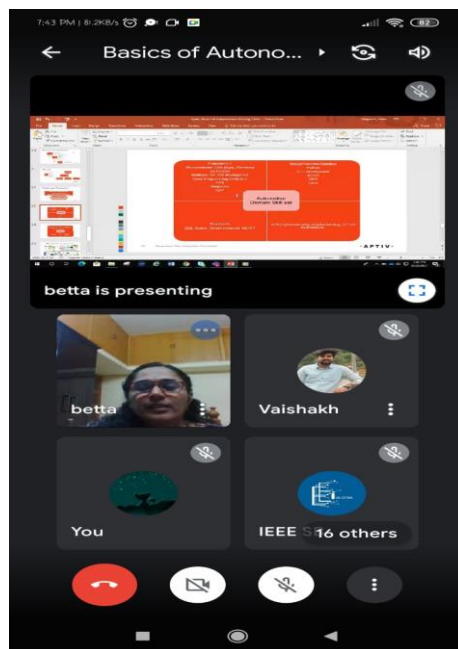DATE: 22nd and 28th MAY 2021

VENUE: GOOGLE MEET

IEEE SB CETkr jointly with PES IAS and WIE chapters of SB CETkr conducted a 'Webinar Series' event in collaboration with Kerala Engineers Association Bangalore Chapter on 22nd and 28th August 2021.

The webinars where conducted in Google Meet at 7pm. The details of the webinar are given below:
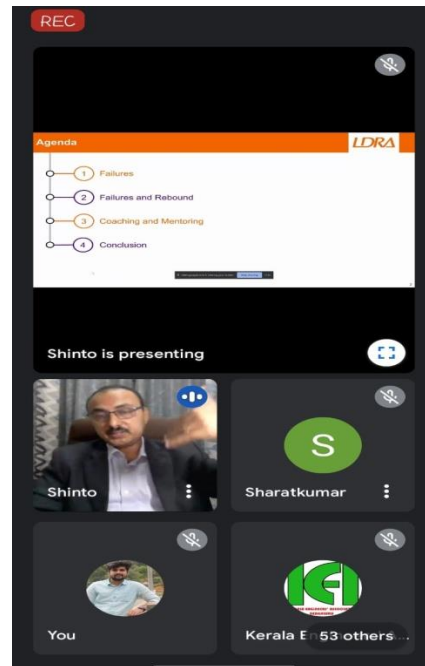
- ## BASICS OF AUTONOMOUS DRIVING

The session was handled by Ms. Betta Chandran, Engineering Group Manager APTIV Technical Centre India on 22nd August 2021 at 7pm. The session was held in Google Meet. The 1 hour session was very informative an d helpful to gain an insight into topic. About 20 and above students took part in the webinar. The session ended with a very interactive Q&A session with interesting questions and relevant answers.

- ## ACCELERATE YOUR SUCCESS BY CELEBRATING YOUR FAILURE

The webinar was taken by Mr. Shinto Joseph, Director of South East Asia Operations LDRA India handled on 28th August 2021. The session was held on Google Meet from 7pm-8pm. We received 50 plus students. The session was very interactive and interesting. The webinar link and other details regarding the webinar were sent to registrants through Email.
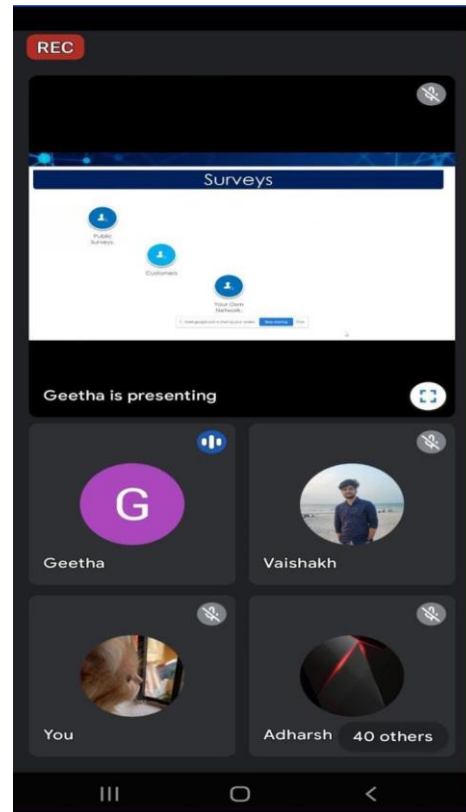
11. **AURELIA 2.0**

DATE: 9TH -15TH SEPTEMBER 2021
VENUE: GOOGLE MEET

'AURELIA 2.O-A Reflection of Thoughts' was a four day event with 4 splendid talks based on the theme 'Entrepreneurship' and 4 elegant events. 'AURELIA 2.O-A Reflection of Thoughts' was a four day event with 4 splendid talks based on the theme 'Entrepreneurship' and 4 elegant events.
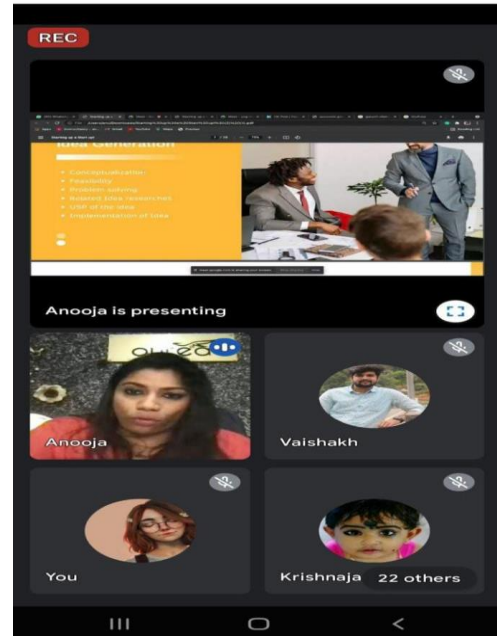
- **EFFECTIVE WAYS TO VALIDATE YOUR ENTREPRENEURIAL IDEAS**

The first talk of our event was on 9TH September 2021 at 7:00 PM via Google Meet. The talk was given by Ms.Geetha Kannan, Founder and CEO of Wequity on the topic 'Effective Ways to Validate your Entrepreneurial Ideas'. The talk emphasized on how can we bring our ideas for a start up to the market and make sustainable in it. About 30 and above participants where present.
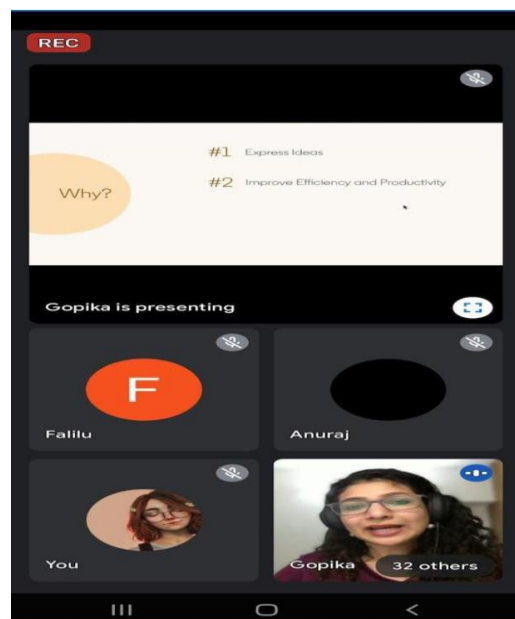
- ## **HOW TO BUILD A STARTUP ECOSYSTEM**

The talk was given by Ms.Anooja Bashir, CEO Ourea, CMO Flexicloud Marketing & Brand Strategist on the topic 'How to Build a Startup Ecosystem'. The talk was held on 10th September 2021 at 7:00pm via Google Meet. The talk emphasized on how can we make a good startup ecosystem and how startups create new markets by introducing products that change the world. 26 participants took part in this event.
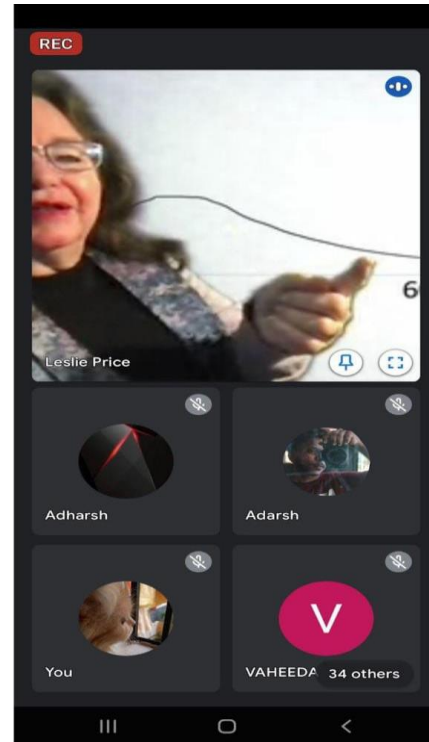
• **EFFECTIVE COMMUNICATION**

The third talk of Aurelia 2.O was held on 11TH September 2021 at 7 PM-8 PM via Google Meet.The talk was given by Ms.Gopika Maya Santhosh, Senior Insights Analyst LinkedIn on the topic 'Effective Communications'.41 participants were present in the event.

- **LEVERAGE THE REAL POTENTIAL OF YOUR TEAM**

The last talk of Aurelia 2.O was held on 12th September 2021 at 7 PM-8 PM via Google Meet.The talk was given by Ms.Leslie Martinich, President Competitive Focus on the topic 'Leverage the Real Potential of Your Team'. 16 IEEE Members and 4 non-IEEE Members were present on the event.

- **TITLE UP!**

The poster was released on 9th September 2021 and the last date of submission was on 12th September 2021.The entries were collected through Google Forms. The participants were requested to give title to the pictures provided in the Google Forms with maximum of three words. 23 IEEE Members and 4 Non IEEE Members participated in the competition. Abhimanyu T V (College of Engineering Trikaripur), Thejasree T K (Sree Narayana Guru College of Engineering and Technology) and Sherhin P P (Govt. Engineering College Palakkad) secured first, second and third place respectively.

- **BIZ-U**

The poster was released on 11th September 2021.The deadline of the event was on 13th September 2021.AdZap competition is an interesting competition played to improve marketing skills. The topic given for BIZ-U - AdZap Competition was 'Moving slippers'. The participants were requested to send their video on advertising the given topic. The entries were collected through Google Forms. Krishnaja R Nair, College Of Engineering Trikaripur secured the first prize.

- **AETHERA-ABSTRACT HER SPIRIT**

'AETHERA-Abstract Her Spirit' is a Mandala Art Competition. The poster was released on 12th September 2021 and the deadline of the competition was on 15th September 2021.The topic of Mandala Art Competition was 'Her Wings'. The competition was exclusively for girls. Devika Muraleedharan (MES College of Engineering Kuttipuram), Fidha Khalid (College of Engineering Trikaripur) and

Anjana Rajan V (College of Engineering Trikaripur) secured first, second and third positions respectively.

- ## **IMPRESSION-CARVE THE NOTION**

The poster was released on 12th September 2021 and the deadline of the event was on 15th September 2021.The entries were collected through Google Forms. The topic of the write up competition was 'Our Thoughts are a Mirror'. Garziya Jacob, College of Engineering Trivandrum secured the first place.

12. **TECZIAS – LETS THRIVE THE FUTURE**
DATE: 1ST -7TH OCTOBER 2021

VENUE: GOOGLE MEET

IEEE IAS SBC CETkr conducted a series of rejuvenating events from 1ST -7TH October 2021. Three talk sessions and one workshop were conducted in accordance with the event.
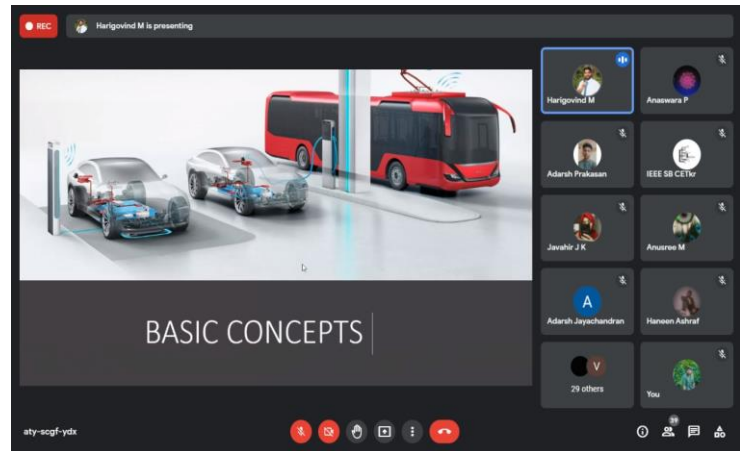
Details of the events conducted:

- ## **COGNITIVE ARCHITECTURE IN AUTONOMOUS ROBOTICS**

 Session was handled by Ms. Soniya Vijayakumar, Researcher, Saarland Informatics Campus, Talking Robotics and Language Technology Lab, DFKI, Saarbrucken on 1st October 2021. The session was held in Google Meet at 7:00pm. The 1hour session was very informative and around 40 and above students attended the session. After the session there was an interactive Q and A session where our resource person clarified the various questions raised from our attendees. The session received a lot of positive feedbacks.
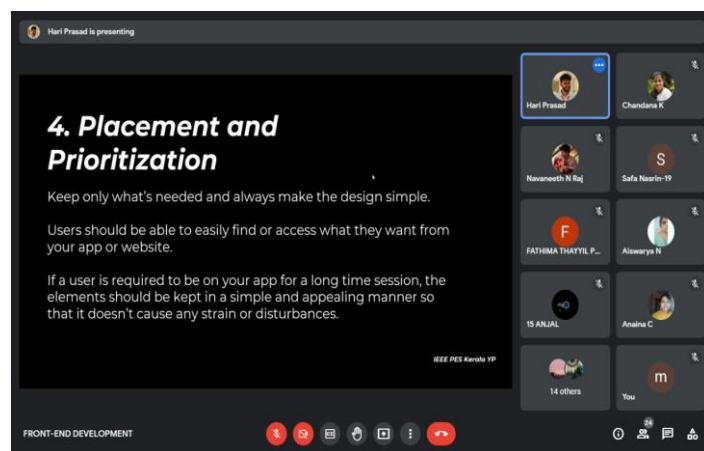

- ## **ELECTRIC VECHILES**

The talk session was handled by Mr. Hari Govind M, Industrial Relations Coordinator, IEEE PES YP Kerala. This note worthy talk session collaborated with IEEE PES YP KERALA was held on 2nd October 2021 at 7:00pm in Google Meet. We received 40 plus participants. The session was informative and amazing. We received positive responses in the feedback.

• FRONT- END DEVELOPMENT

The session was handled by Mr. Hari Prasad, Researcher and Development Coordinator, IEEE PES YP KERALA on 4th October 2021 at 7:00pm in Google Meet. Apart from the basics of Front End Development the speaker also discussed about the opportunities and also the advancement in the area of front end development. There were more 40 attendees in the session. In the end a Q and A session was also held for the attendees to clear their doubts. A feedback form was also given in the end in which we received positive comments.

• OPEN SOURCE COMPUTER VISION LIBRARY

The session was held on 6th and 7th October 2021 on Google Meet. The workshop was handled by Mr. Karthik K, Engineering Manager Innovation Incubator Advisory. The timing of the

workshop was from 7:00pm to 8:30 pm. We received 80 plus registrations for the workshop. The pre requistics and necessary updates regarding the workshop was informed through mail. Our resource person opted a step by step approach in exposing the different parts and sub topics about the workshop and clarified the doubts asked in between the session.
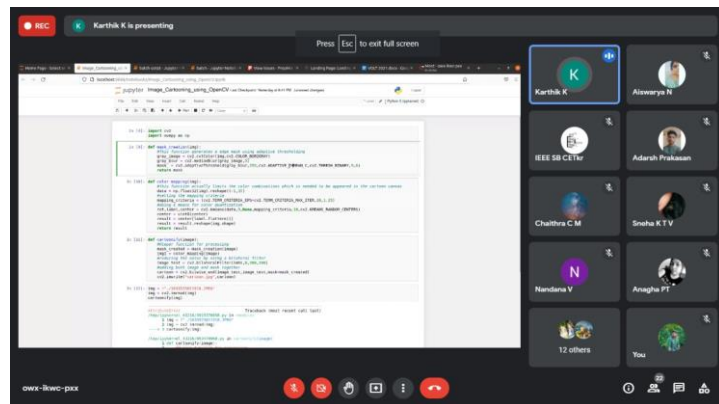
Day 1-

- Introduction on Open Source Computer Vision Library
- Basics Commands (using Python)

Day 2-

- Session on a simple project

The two days workshop was a complete success and received positive feedbacks.

13. INAUGURAL CEREMONY- IEEE CS SBC CEKtr

DATE: 22nd OCTOBER 2021

VENUE: GOOGLE MEET

IEEE SB CETkr on 22nd October 2021 inaugurated our new Student Branch Chapter Computer Society. Inaugural ceremony began 10:00 am IST with the Code of Ethics delivered by Chaithra CM – the Secretary of IEEE SB CETkr. It was followed y Welcome Address by Prof. Naveena A K – the Branch Counselor and Chapter Adviser- IEEE SB CETkr, Presidential Address by Dr. Vinod Pottakulath – Principal of College of Engineering Trikaripur. The Inaugural Address was delivered by honorable Nita Patel Director, IEEE Foundation and 2022 President- Elect, Computer Society who provided us with insight into the core of CS and guidance to lead the SBC in the right track. We were indeed much delighted with her presence. Guest of Honor for

the session was Dr. Deepthi Sasidharan Secretary- IEEE CS Kerala Chapter. She gave us insight upon major activities and Membership Development and further shared about her journey. Felicitation was given by Bhadra Jaykumar Student Representative, IEEE CS Kerala Chapter.

The annual plan was presented by Meghna K, the Chairperson of IEEE CS SBC CETkr. The CS Executive Members wew officially declared by Nita Patel and finally ended with Vote of Thanks by Vaishakh P Nambiar, Chairperson- IEEE SB CETkr.

14. INIZIO 7.O

DATE: 11th DECEMBER 2021

IEEE SB CETkr conducted 'INIZIO 7.O' flagship event of our SB for freshers on 11th December 2021. The program was organized from 9:30 am to 4:00pm in College seminar hall and auditorium. Students of total 56 participated in this program. Program started at 9:30am by Code Of Ethics from Ms. CHAITHRA CM, Secretary of IEEE SB. Followed by welcome speech from Mr. VAISHAKH P NAMBIAR, Chairman of IEEE SB, Presidential Address by Mrs. NAVEENA A K , Branch Counselor of IEEE SB, Vote of Thanks by Ms. AISWARYA N, Vice Chairperson of IEEE SB. The inaugural ceremony ended at 10:30am.

MD session was held by ANUSHA M P, SREEKESH KC and ABHILASH, Alumini's of CETkr and previous Chairs and Designer of IEEE SB CETkr. The session was very useful and entertaining for the students and it discussed about the importance of being an IEEE member and the benefits of the membership. After the lunch break volunteers arranged gaming section for students which included Treasure Hunt that energized the students. Students showed their creative minds

throughout their gaming section. The gaming section ended at 4pm and the program ended at 4:30pm.

15. NATIONAL ENERGY DAY QUIZ

DATE: 14th DECEMBER 2021

IEEE PES SBC CETkr, conducted a quiz competition as a part of 'National Energy Day' on 14th December 2021 at 12:30PM in the seminar hall of EEE department. Students from different branches ensured their participation. There were a total of 47 participants. Megha P V(S1 CSE) and K V Rahul (S3 CSE) secured the 1st and 2nd places respectively.