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WIE-TEC Conoscenza Webinars

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JOINT CHAPTER EVENTS

IEEE IA/IE/PELS Jt.Chapter Kerala AGM Report

The AGM of IEEE IA/IE/PELS Jt.Chapter Kerala was held at Kochi on 5th January 2020. The meeting started at 10 am. Mr.Rajendran A R, General Manager, delivered the keynote address on the topic 'Metro projects and job opportunities in metro sector'. Dr.Tomy Sebatian was the guest of honour. Thirty eight members attended the meeting. The meeting ended at 1.30 pm with lunch.

Group photo of participants

Audience of the meeting

PESGREE 2020

The first biennial IEEE International conference on Power Electronics, Smart Grid and Renewable Energy, PESGRE2020, ended on 4th January 2020 after an exciting and productive three days of non-stop activities, stimulating discussions, and prolific exchange of ideas between 450 attending power Electronics and Energy Systems professionals and researchers from 15 countries. The conference was organized by IEEE IA/IE/PELS Jt. Chapter Kerala and was co-sponsored by IEEE Industry Applications society, IEEE Power Electronics Society, and IEEE Kerala section. The conference focused on the challenges, latest developments and upcoming technologies in power electronic systems, electric drives, renewable energy resources and the operation in the smart grid environment. With this year's conference located in Cochin, Kerala, India, PESGRE2020 emphasized the theme of "Power Electronics and renewable energy for sustainable development" and the conference opened with an inaugural address from Prof. Wang Peng, Nanyang Technological University, Singapore.

PESGRE2020 had received 483 submissions from 19 countries and after a rigorous review process involving 38 technical program chairs and 386 reviewers, 320 papers were accepted for camera-ready submission. Special care was taken to ensure a very good peer review stage with quality re views for the benefit of the authors. Subsequently, 301 camera-ready submissions were received and finally, 298 papers from 15 countries were presented in the conf

erence. All the presented papers in the conference were eligible for submission to IEEE Transaction on Industry Applications, subject to further round of review of the journal.

The technical program of PESGRE2020 consisted of four tutorials, four plenary talks, two student forums, one industry session, and 44 technical sessions. The tutorials were delivered by well-known experts, Prof. Prasad Enjeti, Prof. Krishna Vasudevan, Dr. Dinesh Kumar, Prof. Anurag K Srivastava, Prof. Sukumar Kamalasadan, and Prof. Sheldon S. Williamson. Plenary lectures were delivered by Dr. Tomy Sebastian, Prof. Wang Peng, Prof. Kashem Muttaqi and Prof. Biplab Sikdaron topics of interest to the power engineering community. The sessions were chaired by active researchers from reputed institutes. There was a lot of interaction and exchange of information during the technical program and during industry exhibits.

The Young Professionals also had a variety of activities at PESGRE2020. They had a YPP student forum led by Dr. Sanjib K Panda, Dr. Anurag K Srivastava, Dr. Harish S Krishnamoorthy and Dr. Akshay Rathore followed by a social gathering. Thirty of the young professionals received travel grants from IAS society to attend PESGRE2020.The Young Professionals also had a variety of activities at PESGRE2020. They had a YPP student forum led by Dr. Sanjib K Panda, Dr. Anurag K Srivastava, Dr. Harish S Krishnamoorthy and Dr. Akshay Rathore followed by a social gathering. Thirty of the young professionals received travel grants from IAS society to attend PESGRE2020.

Volunteers of the event

F2F Meeting conducted by IEEE IA/IE/PELS Jt. Chapter Kerala

On 9th February 2020, IEEE IA/IE/PELS Jt Chapter Kerala conducted the first Face to Face meeting of the year consisting of the members of 2019 and 2020 Student Excom with a total of 21 attendees at TKM College of Engineering, Kollam. The meeting focused on improving the acquaintance between the members, building a good team camaraderie and volunteer training. Furthermore, it also got into the flagship event of the chapter,AKIASSC.

The session commenced at 10:00 am, with a silent prayer followed by self introduction by the members. Ensuing which, Prof.Mohammed Kasim (Chair, IEEE IA/IE/PELS Jt Chapter Kerala) shared his insights into the

IEEE society and particularly the history and attributes of IEEE IA/IE/PELS Jt Chapter Kerala. He talked about all the events helmed by the 2019 Excom and about the astounding success of the event TRIAC. His inspiring words on volunteering stimulated the attendees. He further gave information about the wide range of opportunities awaiting the aspirant engineers especially in the field of Electrical engineering. Prof.Bijuna Kunju (Vice Chair, IEEE IA/IE/PELS Jt Chapter Kerala) handled another motivating session on how to be good volunteers. She pointed out that the volunteers should always remember to give priority to academics and should practice efficient time management.

Volunteer training program

Following session was helmed by Prof.Biju K (Secretary, IEEE IA/IE/PELS Jt Chapter Kerala) in which he devised the activity plan for 2020 through an active discussion among the members. He talked about the role, responsibilities and duties of each Excom member. He shared encouraging wortds about how to be diligent volunteers and the importance of academics. Post the tea break, Mr. Anandhu S Kumar (Student Branch Chapters Coordinator, IEEE IA/IE/PELS Jt Chapter Kerala) conducted a volunteer training program which consisted of a presentation on various attributes and details of the IA, IE, PEL Societies. He also shared important information regarding the IEEE Website, numerous IEEE awards and Grants. The multitude of opportunities to bring out outstanding contributions were presented. Mr. Nebic Johnson (Student Representative, 2019 Excom IEEE IA/IE/PELS Jt chapter Kerala) shared his experiences and wisdom about volunteer ing. He emphasized the importance of sharing a great team spirit and effective communication between the members so as to bring exceptional results and thereby the joy of volunteering.

Detailed roadmap for 2020 consisting of Poster Contest, Internship program, Project Hackathon, Online Webinars, WIE initiatives, WIE day events, Industrial Visit in association with PELS day celebration, Workshop Series, MDC sessions, Book reviewing and discussion on relevant books, Paper presentation contests etc was discussed. AKIASSC20 updates were presented by Laya Raj (Travancore Hub WIE Coordinator, 2019 Excom IA/IE/PELS Jt Chapter Kerala and IEEE IAS SBC Chair, UKFC) and IPRECON updates by Akshay Krishnan (Webmaster,2019 Excom IA/IE/PELS Jt Chapter Kerala and IEEE SB Chair, CEK). At the conclusion of the meeting, the developments and discussion results were encapsulated. The meeting ended on a high note with promising visions and spirits for fruitful events and programs for the year, followed by lunch at 1:30 pm.

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Student Execom Meet

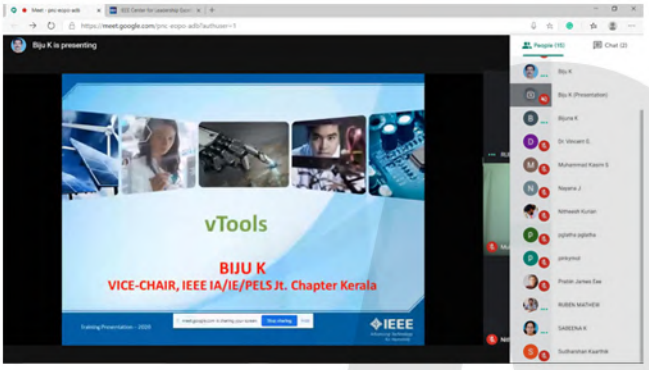
IEEE IA/IE/PELS Jt. Chapter Kerala conducted an Excom meeting through Google meet on 30th March, 2020 at 7pm. The convenor of the meeting was Prof. Biju K, Vice Chair, IEEE IA/IE/PELS Jt. Chapter Kerala. The meeting started off with the presidential address delivered by Dr. Bijuna K, Chair , IEEE IA/IE/PELS Jt. Chapter Kerala. Dr. Muhammed Kasim, Immediate past Chair, IEEE IA/IE/PELS Jt. Chapter Kerala also addressed during the meeting. The meeting mainly focused on discussing the statuses of few events being conducted and a presentation by each Excom member about their works was also conducted. Activity discussion on Ideathon, Webinars, Conoscenza and wie-tec was held. Discussion of new initiative and Activity calendar of 2020 was held. The meeting ended with a vote of thanks delivered by Dr. Vasanthi, Secrretary, IEEE IA/IE/PELS Jt. Chapter Kerala. All the student Excom members were present during the meeting.

Professional Execom Meet

A professional Execom meeting was conducted on 31st March, 2020 from 6:30pm-7:30pm in Google Meet. New professional execom members were given training on vtools reporting and also this meeting provided a platform for the members to interact with each other. Each pr fessional Execom member presented their views on the ongoing events and discussed strategies to conduct event with a global recognitions. The past professional Execom members gave a short description about the successful events conducted under their mentoring giving a clear view for the present members on how to mentor and coordinate with the student members.

Advisors Training

A training session for advisors of Student Branch Chapters of IAS/IES/PELS in various institutions of Kerala was conducted on 11th April 2020, at 6.30 PM in "google meet" platform. There were 17 advisors and student representatives participated in the meeting. Prof.Biju K, Vice Chair delivered lectures on vTool reporting, OU analytics and submission of application for senior membership. Dr.Bijuna Kunju , Chair of IA/IE/PELS Jt.chapter, Kerala engaged session on Centre of Leadership Excellence. Meeting concluded with vote of thanks by Dr. Vasanthi, Secretary, IEEE IA/IE/PELS Jt. Chapter Kerala.



A Screenshot During Advisor Meet

Student Branch Chapter Chairs Meet

IEEE IA/IE/PELS Jt. Chapter Kerala organized a meeting with Chairs of different IAS/IES/PELS Student Branch Chapters along with members of professional and Student executive committee. The meeting was organized Hub-wise as Travancore Hub on 1st, April 2020, Kochi Hub on 2nd, April 2020 and Malabar Hub on 3rd, April 2020 at 7-8.30pm on Google meet. The meeting included the discussion of activities by each IAS/IES/PELS Student Branch Chapters and their future plans. New initiatives and formation of new SBC's were also brought up by the Chairs of respective SBC's. A remarkable participation of all the Chairpersons from each SBC's were witness during the Chairs Meet.

A Screenshot During Malabar Hub Chairs Meet

Conoscenza - Read A Book Initiative

IEEE IA/IE/PELS Jt. Chapter Kerala successfully conducted a book reading initiative "Read A Book, CONOSCENZA - Discover Knowledge through Reading" which gave the opportunity to the student members to read and discover about the five most eminent scientists who contributed in the field of engineering and science. The registrants were provided with the details of E-books to read about the great scientists Michael Faraday, Thomas Alva Edison, Alessandro Volta, Nikola Tesla, John von Neumann so that they can enrich their knowledge about them. An Online Assessment Test of 30 questions was then further conducted based on the contents of the e-book and was held on 29th March 2020 from 06:30pm to 09:30pm. The participants who successfully completed the assessment were given e-cer tificates and the toppers were rewarded with cash prizes and certificates. 37 IEEE members and 11 non-IEEE members participated in the programme.

Virtual Poster

Webinar on Final Year Project Execution

IEEE IA/IE/PELS Jt. Chapter Kerala organized a webinar on 'Major project execution and report preparation for B.Tech final year students' on 21st March 2020 from 7-8 pm. The resource person was Dr. Dinesh Gopinath, Associate Professor, College of Engineering Munnar. 31 IEEE members and 11 non-IEEE members attended the webinar. The attendees found the webinar very useful and informative.

Virtual Poster

Discovering IEEE Collabratec

IA/IE/PELS Jt. chapter Kerala organized a webinar on Discovering IEEE Collabratec on 30th April 2020 at 7:00 pm. Prof. Biju K, Vice-chair, IEEE IA/IE/PELS Jt. Chapter Kerala welcomed the gathering followed by an introductory remarks by Dr. Bijuna Kunju, Chair, IEEE IA/IE/PELS Jt. Joint Chapter Kerala. The resource person, Mr.Ali Mustufa Shaikh, Lead Ambassador, IEEE Collabratec clearly explained how to explore IEEE collabratec. He also gave an idea about badge challenge, IEEE section leaderboard, IEEE focus, Ambadassors, Women in leadership etc. There were 52 participants including 7 panelist members. Webinar received very good feedback from the participants.

Virtual Poster

How to organize a quality IEEE International conference

IA/IE/PELS Jt. chapter Kerala organized a webinar on 'How to organize a quality IEEE International conference' on 6th April 2020. The resource person was Dr. Jaison Mathew, Associate Professor, GEC Thrissur, and Chair Conference activities IA/IE/PELS Jt. Chapter Kerala. The webinar started at 7 pm . The webinar was attended by 28 IEEE members and 19 non-IEEE members. The attendees include IEEE professional members, young professionals, graduate student members and student members. . Webinar received very good feedback from the participants. The webinar ended at 8.15 pm with a vote of thanks

Virtual Poster

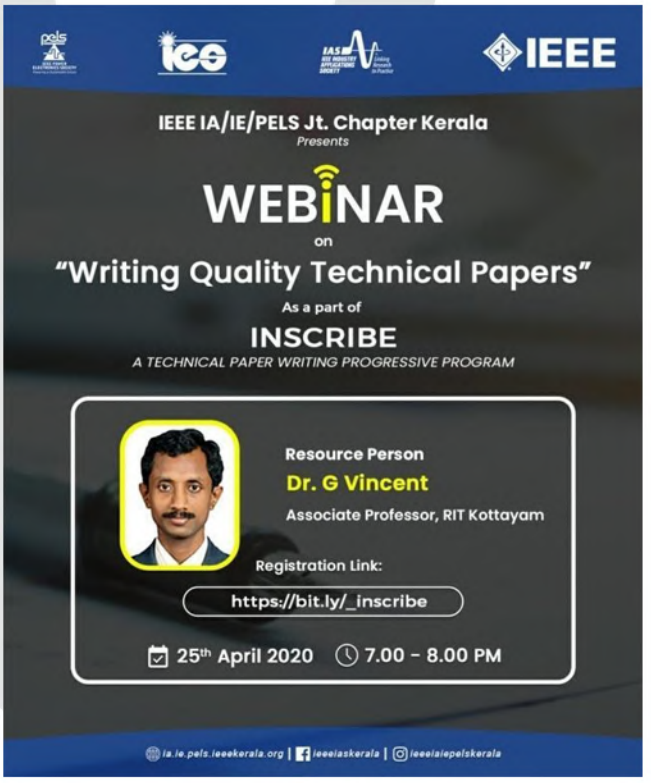
Integrated battery chargers for electric vehicles

IEEE IA/IE/PELS Jt. Chapter Kerala organized a webinar on the topic "Integrated Battery Chargers for Electric Vehicles" on 13th April 2020 at 6-7pm. The speaker was Dr. R Sudharshan Kaarthik, Assistant Professor, IIST Trivandrum, Chair - Research Activities, IEEE IA/IE/PELS Jt. Chapter Kerala.

Virtual Poster

Writing Quality Technical Paper

A webinar on Writing Quality Technical Papers was organized by IEEE IA/IE/PELS Jt.Chapter Kerala on 25th April 2020 at 7.00 pm on 'webex' platform. Prof.Biju K, vice-chair welcomed the gathering followed by introductory remarks by Dr.Bijuna Kunju, chair of the joint chapter. The resource person, Dr.G.Vincent , Associate Professor, RIT, Kottayam delivered the lecture on the topic. He clearly explained how to write a technical paper from the very basics. He took an IEEE paper to support each of the points. There were 137 participants including 7 panelist members. After the lecture, he replied to all the questions asked by participants. Webinar received very good feedback from the participants. Finally the webinar ended at 8.20 pm with a vote of thanks by the secretary.



Virtual Poster

SBC EVENTS

Inauguration of IAS SBC of GEC Palakkad

IEEE SB GEC PALAKKAD marked the new phase of its intriguing and exciting journey of technological development by inaugurating IEEE Industry Applications Society SB Chapter on 7th February 2020 in the esteemed presence of K R Mohan Ananthanaryanan, a veteran from ISRO and Dr.Vasanthy V, Secretary of IEEE IA/IE/PELS Jt. Chapter Kerala. An informative, interactive session on 'space launch vehicles' was held after the inaugural function. Finally, a Kahoot session was also conducted. Thirty two IEEE members and sixteen non-IEEE members attended the program.

Inaugural function of IAS SBC GEC Palakkad

Inauguration of IAS SBC of JCET

The inaugural ceremony of IEEE IAS Student Branch Chapter JCET was conducted on 22nd January 2020 at 11am in the Shastha hall. The inaugural ceremony commenced by a prayer and was followed by delivering IEEE Code of Ethics by Raneena Raoof, Chairperson, IEEE SB JCET. Thereafter the lighting of the lamp by dignitaries was carried out. Mr.Sanish V S, Advisor, IEEE IAS SBC JCET and Branch Counselor, IEEE SB JCET delivered the welcome address describing the inception and establishment of the new chapter. After this Dr. V P Sukumaran Nair, Principal, JCET delivered the presidential address. Followed by that, the inaugural address was delivered by the cheif guest Prof. Muhammed Kasim S, Former Chair, IEEE IA/IE/PELS Jt. Kerala Chapter. He motivated everyone to actively participate in the workshops to get the maximum benefit and made ever one aware on the importance of IEEE IAS SBC. The keynote address was delivered by Dr.K Umesha, Vice Principal and HOD, EEE Department, JCET. He congratulated the entire team of IEEE SB JCET on the untiring efforts made by them. Prof.C Venugopal, HOD, ECE Department, JCET & Ruben Mathew, Student Representative, IEEE IA/IE/PELS Jt.Chapter Kerala, gave the felicitation speech. The ceremony concluded with Arun Sankar M, Chairman, IEEE IAS SBC JCET and Secretary, IEEE SB JCET, delivering vote of thanks. He thanked all the invited guests and participants for gracing the occasion by their solemn presence. This was followed by a technical talk on 'STANDARDS' by Prof.Muhammed Kasim S. Information about IEEE standards, LAN/MAN standard committee, BIS,IEC etc were discussed. It was quite an interactive session which started by 12 noon and ended by 1pm. 21 IEEE members and 26 non-IEEE members participated in the programme.

Lamp lighting ceremony

Session by Prof. Muhammed Kasim S

Kaizen 7

Kaizen 7 is the national level technical symposium organized by IEEE SB College of Engineering Munnar held from 13th – 16th February 2020 at College of engineering, Munnar. The event was organized with the technical support of IEEE IA/IE/PELS Jt.chapter Kerala. Kaizen 7 is a culmination of technology, innovation, culture and humanity. Boosting a plethora of speakers, workshops, technical events and other cultural events, Kaizen 7 strikes a chord inside everyone standing testimony to it.

Delegates of Kaizen 7

Women Empowerment Group discussion

IEEE Industry Applications Society Student Branch Chapter of Government College of Engineering, Kannur, conducted a group discussion on 9th March, 2020, which focused on testing the ability of students in observing and analyzing the topic 'Women Empowerment' which was held as a part of International Women's Day. The competition was open to all students regardless of the IEEE Membership, branch, etc. The overall number of participants were seven, out of which 2 of them were selected out for the 2nd round (Final round). Chandana of S2 ECE department bagged the 1st prize (Rs.200/-) and Shilpa of S4 CSE department won the 2nd prize.

Group discussion

Women in Industrial Application Tech Talk

A technical talk was conducted by IEEE Industry Applications Society Student Branch Chapter of IEEE Student Branch Government College of Engineering Kannur by Vaidehi C K, Secretary, IEEE IAS SBC on 10th March 2020 on the topic "Women in Industrial Application" in association with the Women's Week activities.Vaidehi introduced some well-established lady entrepreneurs to the audience along with their success stories. She also described the problems faced by working women in the past and the present challenges. The talk ended with interactive session.

Talk by Ms. Vaidehi C K

Unscript The Hack - Problem Solving Competition

IEEE Power Electronics Society Student Branch Chapter of Government College of Engineering, Kannur conducted a problem solving competition named "Unscript the hack" on 25th February 2020. It was a team wise event with each team consisting of two members. Five groups participated in the event. The topic given was "E-Waste Management". The participated in the event. The topic given was "E-Waste Management". The participants had to find solutions and present them. The event commenced from 4:00pm - 4:45pm. Shilpa Suresh and Lavanya E V of S4 CSE bagged the first prize and Ambareesh V Sankaran of S4 CSE and Haritha of S2 EEE got the second prize.

Participants of the competition

Virtual Poster

Cartoon Competition- Corona and National Lock-down

IEEE Power Electronics Society Student Branch Chapter of Government College of Engineering, Kannur conducted an online Cartoon designing competition named "LOCKDOWN EPOCH" on 30th March 2020. The topic given for the Cartoon was "Corona And National Lockdown" and the event was open to all. The topic was released on 30th March and the submission deadline was on 2nd April 2020. The entries were accepted through Student Branch mail. A total of 8 entries were received from various colleges. Amalendhu from GCE Kannur bagged the first prize and Akshay Krishna from Pazhassiraja NSS college, Mattannur got the 2nd prize.

Virtual Poster

Virtual Poster

Electrical Hackathon

Electrical Hackathon was organized on 25thJanuary 2020, jointly by IEEE Industry Applications Society and Power and Energy Society of IEEE Student Branch of Rajiv Gandhi Institute of Technology to enrich the member's problem solving skill, research ability, engineering aptitude. About 7 teams were present for the event, in which a problem was given as a task for the participants and 2 hour research time was given for finding a valuable solution to the problem and they presented it before the panel, the judging panel was handled by Dr.Vincent G and Dr.Prince A.Members referred IEEE papers from IEEE Xplore in a short span of time and gained more information in the field of research.

Glimpse of the Hackathon

Members Meeting about Travel Grants

The members meet was organized on 30th January 2020 by the IEEE Industry Applications Society Student Branch Chapter of Rajiv Gandhi Institute of

Technology with travel grant recipients of various IEEE International Conferences. The members got the chance to interact with the travel grant recipients knowing more about the international conference and the travel grant offered by IEEE Industry Applications Society. Over 50 members participated in the meeting. It provided a platform for networking and creating awareness about various travel grants offered by IAS.

Delegates of the Meet

Weekly Technical Talks

Week 1

Weekly Talk is an initiative by the IEEE Industry Applications Society Student Branch Chapter of Rajiv Gandhi Institute of Technology for members to increase their presentation skill and in-depth knowledge in the hot topics of technology. The Weekly Talk was inaugurated by the honorable Principal of RIT, Dr. Jalaja M J on 31st January 2020. She also distributed the prizes for the Electrical Hackathon winners. The inaugural Weekly talk was by Melna S Monson of the Electronics Department who is currently doing the B. Tech second year in the same. Over 50 participants attended the first weekly talk.

Week 1 Technical talk

Week 2

The 2nd weekly talk organized by the IEEE Industry Applications Society Student Branch Chapter of Rajiv Gandhi Institute of Technology was by Prof. Johnson Mathew, Associate Professor, EEE department, RIT on 6th February 2020. He is currently doing a PhD on Solar. He took a class about solar energy, explained about different types of solar panels and its layout. Also there was a live demonstration of the working of 10kw solar panels installed at the electrical department. He also explained the working of solar inverters through demonstration. Students found this demonstration about solar panels more interesting and effective. Students got familiarized with different types of solar panels that worked at a 10kW Solar Power Plant. A total of 60 students attended the session.

Delegates of the talk

Week 3

The 3rd weekly talk organized by the IEEE Industry Applications Society Student Branch Chapter of Rajiv Gandhi Institute of Technology was by Sidharth S and Irene Anna Kurien on 13th February 2020 with a strength of 40 participants. Sidharth is currently doing his B. Tech S4 in Electronics and Communication Engineering at RIT. Irene Anna Kurien is currently doing B. Tech S2 in Computer Science Engineering at RIT. Sidharth talked about sensors. He explained about various types of sensors on Smartphones and its working principles. Irene's talk was about Blockchain technology. Students understood about Blockchain Technology and different sensors that are included in a smartphone.

Week 4

IEEE Industry Applications Society Student Branch Chapter of Rajiv Gandhi Institute of Technology conducted the 4th weekly talk on February 19th, 2020. The 4th weekly talk was by Malavika S.R. She is currently doing her B. Tech S2 in the electrical and electronics department at RIT. Her topic was about Artificial Intelligence in Power systems. She explained about fuzzy logic, neural networks and artificial neurons. She also explained its various applications. Members understood the recent trends in the Power System.

Week 5

IEEE Industry Applications Society Student Branch Chapter of Rajiv Gandhi Institute of Technology conducted the 5th weekly talk on February 28th, 2020. The 5th weekly talk was jointly done by Sayoojya K.K and Vysakh T. Sayoojya is currently doing her B. Tech 4th Semester in the electronics department at RIT. Her topic was about recent trends in VLSI. She explained about various steps in VLSI design. She also explained its various applications. Vysakh is currently doing his B. Tech 2nd semester in Computer Science Engineering at RIT. His topic was about Quantum Computing. He explained various processes and applications of quantum computers. Recent trends in VLSI and different steps in VLSI design as acknowledged by the members from Sayoojya and Quantum Computing applications were introduced to the members by Vysakh.

Week 6
Women's day Special

In association with WIE-TEC, an Student Branch Chapter level program initiative by IEEE IA/IE/PELS Jt Chapter Kerala, IEEE Industry Applications Society Student Branch Chapter Rajiv Gandhi Institute of Technology conducted a Women's Day special technical talk on 7th

March 2020 at 12.00pm. The event had enlightening talks by a panel of five inspiring women members who have made their way through the various aspects of technology seizing opportunities and embracing womanhood.
The first talk was by Ameera Sherin,WIE Coordinator, IEEE LINK Kerala Section. She shared her ideas on the challenges that women in STEM fields face and the solutions for those issues. She also added that keeping the spark for your passion, staying enthusiastic, taking up challenges, helping each other in the industry would radically improve the opportunities for women. Kallu Sudarsan, IEEE IAS WIE ILS Travel Grant recipient, talked about her experience of attending the WIE International Leadership Summit. The next speaker was Shibiliya Ismail, Woman In Computing, IEEE Computer Society Kerala Chapter. She talked about her experience as a WIE Affinity Group Chair and about her present volunteering position as WIE Coordinator at IEEE Computer Society Kerala Chapter. Adheena V Abraham, Content Writer, IEEE IA/IE/PELS Jt. Chapter Kerala shared her journey through IEEE. She talked about how IEEE gave her the platform to learn and grow in technical education as well as develop soft skills. The final speaker for the day was Anu George,V SAC IEEE Kochi HUB. She stressed on the importance of having self-confidence, integrity and dignity in carrying out responsibilities, ability to turn setbacks into stepping stones, finding a support system and developing a never give up attitude for a woman in technology. The technical talk series was a huge success with 60 inspired participants who gave positive and encouraging feedback.

Delegates of the talk

24 Hour Online Hackathon

IEEE Industry Applications Society Student Branch Chapter of Rajiv Gandhi Institute of Technology successfully conducted a 24 HOUR ONLINE HACKATHON on 18th March 2020 to bring out the best ideas at a time when ideas and solutions are the exigencies. It was an online event with a participation of 40 student members. The participants were divided into 10 teams each with four members. One problem statement was assigned to each team giving them 24 hours to come up with a solution and present it. The problem statement was "Design a system or machine on IoT for industries". All the ideas were equally enticing and the best idea was chosen among them. The winning team was AZTECZ with constituting members: Deva Nandan K, V Jyothi Prasad, Malavika S R, Sidharth S and the winning idea was "Safe Thru"- a health check-up gate

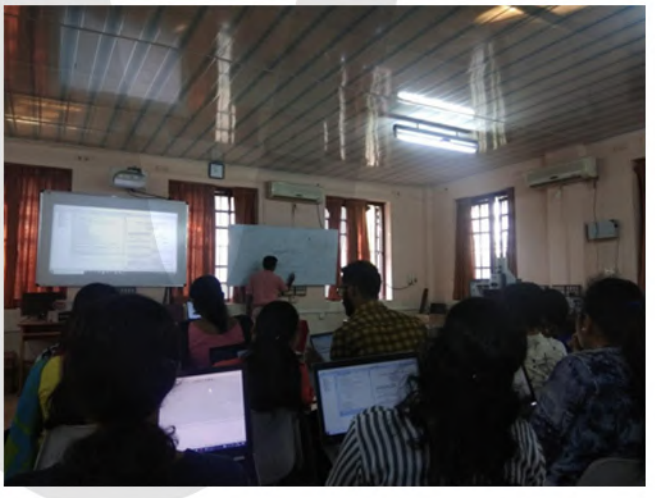
that can be placed at public places like the entrance of companies, schools, malls, etc, which is a vital subject especially at the challenging time of a global pandemic. The event was a success with good participation, creative outcome and positive feedback.

Simulato 1.0

IEEE Industry Applications Society Student Branch Chapter of Rajiv Gandhi Institute of Technology successfully conducted the first webinar series on Simulation Software – Proteus on 16th April 2020. The session was handled by Akshay C Seethamurali, Technical ordinator IEEE PES Kerala Chapter and also the vice chair of IEEE Student Branch RIT. The event had 100 registrations from 7 sections namely Ahmedabad, Gujarat, Madras, Bombay, Hydrebad, Banglore, Kerala. The webinar started off with an introduction of the Industry Applications Society to all the participants and its member benefits by Nithin V M , Chairman IEEE IAS Student Branch Chapter RIT. Later on Akshay C handled the session on proteus, beginning with circuit simulation of simple circuits and mistakes generally occur ring in simulations. After the introductory part, he then showed live demonstration of Clipper circuits, astable multi vibrator circuits on the software and formed the output in the virtual CRO. He also taught the different circuits that can be implemented using Arduino, vir tually using Proteus. The event was successfully organized and participants started to simulate different projects and shared the screenshot on the whatsapp group created for the participants.

Workshop on Introduction to Latex

IEEE Industry Applications Society and IEEE Power Electronics Society Student Branch Chapters of Government Engineering College, Thrissur conducted a hands-on workshop on LaTex, A Introduction to LaTex for students of the college. The workshop was open for all B. Tech and M. Tech students. The workshop was held on 12th & 13th of February 2020 from 4.00-5.30 pm, with 15 participants from all branches of engineering courses. Out of which 11 were IEEE members. The resource persons for the session were Dr. Ramesh Kumar P and Ms. Dimna Denny. The Workshop had the introductory session on LaTex on the first day and a hands on practice session on the 2nd day. The software materials for the same were provided by the student branch chapter.



Introductory session

Hands-on session

Workshop on PIC Microcontroller based System Design for Power Electronic Converter

IEEE Power Electronics Society (PELS) and Industry Applications Society (IAS) Student Branch Chapters of Government Engineering College, Thrissur organised a hands-on Workshop on PIC Microcontroller Based System Design for Power Electronic Converters. The hands-on training was on PIC16F877 (8-bit microcontroller). The workshop was open for all B. Tech and M. Tech students. The workshop was held on 15th,16th & 17th of January 2020 from 4.00-5.30 pm, with 17 participants from all branches of engineering courses. Out of which 8 were IEEE members.

Hands-on session

Workshop on Simulation using PSIM

IEEE Power Electronics Society (PELS) Student Branch Chapter, Government Engineering College, Thrissur conducted a Workshop on Simulation using PSIM on 10th March 2020. PSIM is an Electronic circuit simulation software package, designed specifically for use in power electronics and motor drive simulations but can be used to simulate any electronic circuit. Developed by Powersim, PSIM uses nodal analysis and the trapezoidal rule integration as the basis of its simulation algorithm. PSIM provides a schematic capture interface and a waveform viewer Simview. PSIM has several modules that extend its functionality into specific areas of circuit simulation and design including: control theory, electric motors, photovoltaic and wind turbines. PSIM is used by industry for research and product development, so acquiring knowledge about an industry tool will be very helpful for young engineers. The event began at 09:30 am, with 20 participants from M.Tech and research scholars. PELS SBC faculty advisor Dr. Jaiosn Mathew, Asst. Professor, Electrical and Electronics Engineering Department, gave a brief introduction about PSIM and its applications. After that, the workshop was led by a Technical Engineer from PSIM / Trident Tech Labs Bangalore. The workshop started with basic electronic circuits to familiarize with the user interface of PSIM. Then more complex circuits and motor drive controls were discussed in detail. In the last session of the workshop, simulation of an electric vehicle was also discussed. The event concluded at 05:30 pm.

Online Essay Writing Competition-Femystique

IEEE Industry Applications Society Student Branch Chapter and WIE Affinity Group of IEEE Student Branch of College of Engineering, Trivandrum conducted an online Essay Writing Competition - 'Femystique' as part of International Women's Day on the topic Women Empowerment. A word limit of 100 was set. It was open to all ranging from school students to working people and got active participation of 23 entries. Submissions were made via email. The event commenced on 11th March 2020 and the deadline was on March 31st. The essays were judged by Aparna R Jayan, Vice- chairperson of LitSoc, the Literary Society of College of Engineering, Trivandrum and the winner was decided to be Neha Maria Antony. The participants were issued with certificates and the winner with a memento.

Reflexion- Idea Pitching Hckathon

IEEE Student Branch NSS College of Engineering Palakkad hosted its 4-day national event XPERION'20 from 20th Feb 2020 to 23rd Feb 2020. As a part of XPERION, Industry Application Society and Power Electronics Society Student Branch Chapter NSS College of Engi neering Palakkad collectively hosted an idea pitching hackathon 'Reflexion' on 21st and 22nd February 2020. With 17 delegates (13 IEEE members and 4 non-IEEE members),10 volunteers and 3 coordinators the event was packed with fun frolic and technical elation. The event marked its start with a workshop on IoT handled by Er.Shabeer I. The second stage of the event began with the sorting of the delegates into groups of three. It included a treasure hunt spreading over the college campus where the delegates appeared in the groups. The final stage of the treasure hunt gave the problem statement for the hackathon. Next was the brainstorming session. The delegates were required to analyze the problem given to them. They were required to arrive at a solution that was both technically and economically feasible. Delegates in the group presented their ideas where they were cross-checked and the faults were corrected by a panel of judges. Associate Prof. Sujith S from NSSCE and Er. Shabeer was on the judging panel. Apart from the judgment of the panel, the delegates were constantly eval uated on the criteria of group dynamics. With the presentation, the 24-hour hackathon marked its end. The winners of the hackathon were team 'Jarvis'. Team members are Megha Manmadhan-College of Engineering Chengannur, Jarin K, Jawaharlal College of Engineering and Technology, Palakkad. Nakul. Ganesh, Vimal Jyothi Engineering College, Sasha S- Jawaharlal College of Engineering and Technology, Palakkad. The judgment was announced in the closing ceremony of the event where the winners were given the prize money of Rs.4000. The workshop and hackathon was a great success.

Idea presentation

Delegates of Reflexion

Open Debate – Is Technology Making People Dumber or Smarter?

As a part of the WIE week from March 2nd to March 7th ,IEEE WiE Affinity Group in association with IEEE IAS SBC and IEEE PELS SBC NSSCE organized an open debate on the topic "Is Technology Making People Dumber or Smarter". It received an overwhelming response and many students from different branches participated in it. The main aim behind hosting such an event was women empowerment. Giving women a platform to express their opinions and views can increase their self confidence and critical thinking. The debate which lasted for an hour saw stunning performance by the participants. They displayed confidence in presenting the arguments before the judges and the audience. After a heated debate, they came up with a conclusion that technology has made us able to do more, while understanding less about what we are doing, and has increased our dependence on others. While some argued on how technology has made us individually dumber, others conveyed how it made us individually and collectively smarter.

Delegates of the open debate

Hands - on workshop on PCB Fabrication

The workshop on PCB Fabrication was conducted by IEEE IAS and PELS Student Branch Chapters NSSCE on 3rd March 2020, which was led by Thanusha Jagadish and Aparna Anil. They gave an introduction about the working and designing of PCB and also guided the par ticipants during the hands on section of the workshop. Students participated actively and showed enthusiasm in studying more about it.

Overall the program was well coordinated and presented .It also helped the stu-

dents to acquire knowledge in the field to a great extent. So, coast to coast, the event was a huge triumph for WiE AG.

Delegates of the workshop

Session of the workshop

Science Quiz

IEEE WiE Affinity Group in association with IEEE IAS and IEEE PELS SBC's NSSCE conducted a science quiz on March 3rd, 2020. Students from different branches fortified their active participation. At the end of the keen competition, winners were proclaimed. Winners were: 1.Amith Krishna (S8 EA) 2.Akshaijith A.S (S8 EA) 3.Ashiq Aman Kusru (S8 EA) . Received wonderful feedback from the students that the event had helped them a lot.

Delegates of the quiz competition

ETAP workshop

IEEE PELS Student Branch Chapter of NSSCE hosted an ETAP Workshop in association with the Electrical and Electronics department of NSS College of Engineering. ETAP Workshop was a 2-day workshop conducted on 24th and 25th of January, 2020. Electrical Transient Ana lyzer Program (ETAP) is an electrical network modeling and simulation software tool used by power systems engineers to create an "electrical digital twin" and analyze electrical power system dynamics. ETAP better equips students to advance in their chosen field of interest. The ses sion was handled by the faculty members from Edusoft, having an active participation of 26 delegates, including both IEEE and non-IEEE members. Students were able to build a solid design foundation, chiefly final years, attained practice which will enormously help to make them competent professionals.

A Session of the ETAP Workshop

Awareness Drive

An awareness drive was conducted by the IEEE IAS SBC NITC for the first year undergraduate students on 3rd March, 2020 regarding the various resources available in IEEE. This was done in order to instill the interest of research at the beginning of their engineering education and be aware of the various opportunities in front of them. This event proved very useful to bridge the gap between the seniors and newcomers of the college and helped them connect with seniors. Guidance was given regarding how projects can be taken apart from the curriculum. Interested juniors were further allowed to discuss their ideas of projects so that seniors can clarify their doubts and find the right platform for them to showcase. In short this event was successful in creating awareness about IEEE IAS .

Inauguration of IEEE Industry Applications Society Student Branch Chapter

The inaugural function of IEEE Industry Applications Society Student Branch Chapter MBCCET was held on 9th March 2020 at the college mini auditorium. IEEE Branch Counselor of MBCCET, Asst Prof. Vineetha P Joseph welcomed the dignitaries on the dais. Later IAS SB chairman, Sibil P Thomas gave the code of ethics, Dr. Pradeep C , Principal of MBCCET gave the presidential address. The IAS Student Branch Chapter of MBCCET was inaugurated by Er. Shajahan Ahamed, managing director of kerala automobiles Ltd. The order of approval of IEEE Industry Applications Society Student Branch Chapter of MBCCET was handed over to the IEEE Student Branch Chairperson by Prof. Biju K, Vice-Chair, IEEE IA/IE/PELS Jt. Chapter, Kerala Section. Prof. Biju K and Dr Anoop K J, the Dean of academics gave felicitation and Prof. Robins Anto, HOD of EEE Dept delivered the vote of thanks.

Inaugural function of IEEE IAS SBC MBCCET

Talk on E-mobility Sustainable Development

IEEE Industry Applications Society Student Branch Chapter MBCCET conducted a technical talk by Er. Shajahan Ahamed on 9th March 2020 based on e-mobility sustainable development. Talk mainly focused on the problems an engineer is facing in and around our society. In 2019, India had the 4 th position in the automobile sector. Later the government came up with the e-vehicle policy. India ranks 3 rd among the total fossil fuel consumption in the world, where 99% of diesel and 70% of petrol is used. He also mentioned that the PowerTrain System EV consists of a motor, controller and a battery. Motors can be induction type, BLDC or pmSM. EV is a way to improve energy efficiency, lower emissions and has less noise generation. Electric Vehicle adoption causes better energy efficiency, reduces carbon emissions, etc. The major contributors in the EV ecosystem includes smart grid infrastructures & services, public charging points infrastructures & services, etc.

A Session by Prof. Biju K

Led Bulb making Workshop and Awareness class

Volunteers of IEEE Industry Applications Society of MBCCET Peermade conducted an event for the PDS(Peermade Development Society)-Swayam Sahaya Sangham as part of International Women's Day celebrations. There were a total of 25 women of the PDS Society. LED lamp as sembling training was provided to the members by the volunteers. They got familiarized with LED lamp kit, its source, soldering iron, flux, lead and the other components. Student volunteers explained the components and the process of soldering the components to the board and demonstrated the same. They were also provided Hands-on Training on the same. Volunteers explained the possibility of starting a LED assembly unit and its marketing. The PDS Society members said that they are planning to start the LED bulb manufacturing unit where the workers are the unemployed women of the locality. IEEE IAS SBC Peermade extended wholehearted support for the same. Then the volunteers explained different energy-saving methods and the importance of energy conservations. They discussed the day to day situations where energy is wasted, what can be done to reduce the wastage of energy, tariffs of KSEB and the different Renewable energy projects of the government. They also discussed the need to reduce energy consumption by explaining the amount of greenhouse gases emitted while energy production and the changing climate of Peermade. They also circulated different leaflets explaining energy

conservation act and energy-saving techniques. The next session was the awareness class on COVID-19. The volunteers explained the standard recommendations to prevent infection spread including regular hand wash, covering mouth and nose while coughing and sneezing, thoroughly cooking meat and eggs, avoiding close contact with anyone showing symptoms of respiratory illness such as coughing and sneezing, etc. They also discussed common signs of infection including respiratory symptoms, fever, cough, shortness of breath and breathing difficulties.

Volunteers of the awareness class

Arduino Workshop

Arduino Workshop was conducted for first-year undergraduate students by the IEEE Industry Applications Society and IEEE Power and Energy Society Student Branch Chapters of Mar Baselios Christian College of Engineering and Technology on 12th February 2020. The students were made aware of the Arduino Board and how to make connections and program the board. The session was handled by Shinto Tony and Vishal Chacko. Membership development session was also conducted along with the program.

Virtual Poster

Drawing Competition

Drawing competition was conducted by IEEE Industry Applications Society and IEEE Power and Energy Society Student Branch Chapters of MBCCET on the topic "water is life's matter and matrix, mother and medium. It was an online event conducted for both inter and intra college students. The competition started on 15th March 2020 and ended on 22nd March 2020.

Virtual Poster

Workshop on Matlab – Programming and Simulation

As part of the "Train the Trainer program" of Department of Electrical & Electronics Engineering, IEEE Industry Application Society Student Branch Chapter SAINTGITS conducted a three day hands-on workshop on "Matlab – Programming and Simulation" for Laboratory staffs of EEE, ECE & AEI departments on 7th, 9th and 10th January 2020. The sessions were handled by faculties from EEE, ECE & AEI departments. Er. Ancy Sara Varghese (Advisor-IEEE IAS SBC) and Er. Jancy Varghese were the coordinators.

A session of the workshop

Workshop on DSP and its Peripherals for Power Electronics Application

IEEE IAS and PES SBC SAINTGITS in association with Department of Electrical and Electronics Engineering organized a one-day workshop on "DSP and its Peripherals for Power Electronics Application" on 17th February 2020. Experts from NIT Calicut handled both theo retical and hands- on sessions.Dr deepthi S Nair and Sandeep J of Adhoc faculty,EEE department, NIT Calicut were the resource persons for the programme. M.Tech students and faculty from Electrical and Electronics Department attended this workshop. Dr. Pin kymol K. P (Associate Professor & IEEE IA/IE/PELS Jt. Chapter Kerala ExCom Member) and Er. Ancy Sara Varghese (Advisor-IEEE IAS SBC) were the coordinators. The course aimed to enhance the academic and professional skills of students and faculty members. This

workshop contained theory modules and demonstration of DSP based induction motor drive in an open loop system. The main objective of the workshop was to give a brief overview about the DSP processor and its configuration of essential peripherals for power electronics applications.

A glimpse of the workshop

Mace Bowl - Quiz Competition

An open college level Quiz Competition 'MACEBOWL' was organized by IEEE Industry Applications Society Student Branch Chapter MACE in coordination with MACE Quiz Club on 26th February 2020 from 4:00 pm to 5:00 pm. The event had a participant count of 80. The participants for the competition were awarded with certificates of appreciation. First prize was awarded to Joseph Ben and Abhay V S of S8LB.The second prize was awarded to Yedhu Babu of S4EA and Varghese Babu of S4R.The third prize was awarded to Adwaith M of S8MB and Basil Eldho of S8R respectively. The top three winners were awarded with cash prizes of rupees 1000, 600 and 400 respectively.

Participants of the quiz competition

Workshop on 3D Printing Software - Fusion 360

A workshop on 3D Printing Software: FUSION 360 was conducted by the IEEE IAS SBC MACE and WIE affinity group as a part of Women In Engineering Week. As the college has one of the fabrication labs in our state equipped with a 3D printer, students were able to have a hands-on experience, but as a first step in learning the technology the student crowd was given a session of the software FUSION 360 by ABLE VARGHESE, IoT lab coordinator, on 5th March 2020 at PTA Seminar Hall, Mar Athanasius College Of Engineering. FUSION 360 is a widely used software for 3D printing around the globe and 3D printing is a cutting-edge technology finding new and new applications day by day. 3D printing demands the engineer to imagine as well as convert it into reality using a software and the 3D printer. The program was successful in making the students gain skill in designing simple models in the software and

also provided them with the knowledge about the usage of every tool in the software package.

A glimpse of the workshop

Delegates of the workshop

Workshop on Industry 4.0

Workshop on industry 4.0 was conducted exclusively for the students of MACE in collaboration with the IEEE IAS Student Branch Chapter, IEEE COMSOC Student Branch Chapter and IEEE WIE affinity group and IOT lab of MACE, as a part of Women in Engineering week. It was conducted on 6th March 2020, at the IOT lab, MACE. ABLE VARGHESE, IOT lab coordinator, took the session which consisted of IoT overview, network and its layers, tcp/ip protocol, introduction to cloud computing, Esp8266 architecture and a hands-on session using node MCU.

It was an interactive session wherein the participants were introduced to "Do It Yourself" IOT projects that they could do a follow up on after the session. The participants showed keen interest in understanding the various concepts and they got to ask questions and clarify their doubts before the session ended.

A session of the workshop

Awareness Session

The IEEE IAS Student Branch Chapter VJEC conducted a project contests awareness session for first and second years students of EEE department by IEEE IAS SBC Chairman Mr. Anadapadmanabhan M on 30th January 2020 and 19th february 2020 respectively. Mr. Anadapadmanabhan M. The session was very interactive and he explained procedures & benefits of the IAS project contests to students and made them understand the benefits of having an IEEE membership and joy of volunteering. The event was conducted at S4 EEE and S2 EEE classes.

An Awareness session

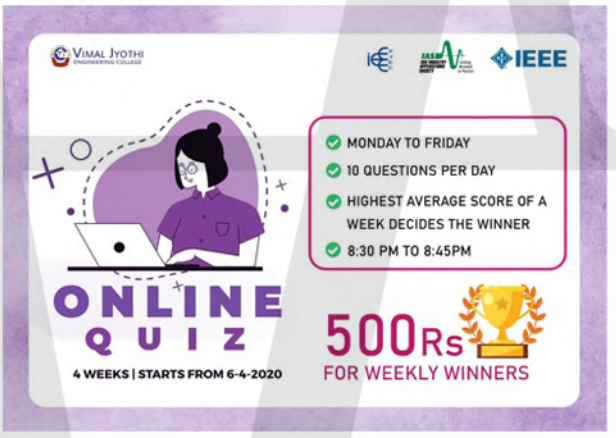
Technical Quiz

A technical quiz was conducted by IEEE IAS SBC VJEC at the EEE software lab on the topic 'Industry 4.0 & Latest Industrial Trends'. The event started at 12:30 pm. The quiz included both technical as well as general questions. There were 35 participants for the quiz. The event concluded at 01:00pm. The volunteers under the guidance of Ms.Shelma George organized the program and obtained the permission from HOD. The winners of the quiz are Avinash Rajan - S6 EEE(first), K Akash – S6 EEE (second) & Diya Salil – S2 CSE (third).

Participants of the technical quiz

Online Quiz Series

An online quiz series based on the topic 'basic electricals, electronics and computer programming' was conducted by the IEEE IAS SBC VJEC on 6th April, 2020. The quiz included both technical as well as general questions. There were about 77 participants in two weeks. The quiz runs from 8.30 pm to 9.00 pm from monday to friday. Quiz winners of week one and two are Mr. Aalap Ragesh and Ms. Anavadya Radhakrishnan. SBC also releases the top ten scorers of every week in order to encourage them to take their next chance



Virtual Poster

Explore-Industrial Visit to KMRL Depot

EXPLORE is the series of Industrial visits organized by IEEE IAS Student Branch Chapter RSET. The first of its kind was the Industrial Visit to Kochi Metro Rail Limited Depot, Muttom, Kalamassery on 8th February, 2020.

A total of 15 IEEE members participated in the visit. IEEE IAS SBC Faculty Advisor, Asst Prof. Nitheesh Kurian also accompanied the team. The journey started at college by 10 am. The control station, boggy maintenance department, and engines of the Depot. Students were familiarised with the control panel inside the engine also.- Three sessions were handled by the faculties there which were very much informative and interactive. The team reached college back at 2 pm and had lunch together. Then a meeting was held in which key learnings were discussed and Faculty advisor, Asst.-Prof.Nitheesh Kurian had an interactive discussion with the students.

Delegates of the visit

Kochi Metro Rail Limited Depot

Prathivadh

IEEE IAS SBC RSET conducted a debate competition, PRATHIVADH as a part of Women's day celebration " Femme20 ". It was conducted on 4th March 2020 which lasted for one hour. 11 students were selected for the final round which was held on Thursday 6th March 2020. The preliminary round ended on a joyous note. The finalists were 1. Alfy Johnson(S2 EEE) 2. Nikhil Joy(S6 EEE) 3. Joel Johnson (S6 EEE) 4. Niya Rose Suresh (S6 ECE) 5. Melbin Benny (S6 EEE) 6. Alina Thomas(S2 ECE) 7. Rahul Joseph Mathew(S4 ECE) 8. Jacob Mathew (S6 ECE) 9. Srilakshmi M Pai (S6 ECE) 10. Haroon Rayyan Harris(S6 ME) 11. Esther Thomas (S6 EEE). Finals of the PRATHIVADH debate competition were conducted on 5th March 2020. The contestants were divided into two teams of 6 members each. The topic of the debate was CAA &NRC. A coin was tossed to determine which team would speak for and against the topic. Three teachers were the judges. The debate was interesting and engaging. In the first round, the members from the for and against teams were alternatively given one minute to express their view followed by an 8min rebuttal round. In this round, the contestants counterattacked and defended their statement. The debate was concluded by the judges and two bers from each team were awarded the best speakers. The winners of

PRADHIVADH for this year are Jacob Mathew(S6 ECE), Alina Thomas(S2 ECE)Rahul Joseph Mathew(S4 ECE)Alfy Johnson(S2 EEE).

Delegates of Prathivadh

Career Deveoplment Webinar

A webinar on Career Development was conducted by the IEEE Industry Application Society Student Branch Chapter RSET on 27th March 2020 from 8:00 pm to 9:00 pm on the Webex platform. The session was handled by Ms. Jacquelyn Adams, Founder of Ristole . 76 students and professionals from all over the world attended the event who were all IEEE members . Various aspects of career development were introduced to the participants. The video was produced by Scott Michael Media and the music was licensed via Sounds tripe.

Virtual Poster

Technocrat

An online quiz competition TECHNOCRAT was conducted by IEEE Industry Application Society (IAS) Chapter of RSET IEEE student branch to overcome the boredom of lockdown from 24th march,2020. Students from different departments of the college attended the event. Riddles related to science and technology were given as questions. Each day a question was posted on RSET IEEE SB's official Instagram page. A total of 10 questions were given at the end of 10 days. got a great response from the students. 32 stu dents participated in the event in which 23 were IEEE members The winner of the competition was Jerry Joseph, S6 ECE Beta.

Virtual Poster

Seminar on Nanotechnology In Daily Life

A seminar on Nanotechnology in daily life was hosted by the IEEE Industry Applications Society Student Branch Chapter Adi Shankara Institute of Engineering and Technology, on 26th of February, 2020 from 10.30 am to 11.30 am in accordance with the National Science Day celebrations, at the ECE Seminar Hall, ASIET. The seminar was headed by Ms. Archana Aniyan, Assistant Professor ECE Department, ASIET. The seminar was inaugurated by IEEE IAS Chapter Advisor Ms. Nayana J, Assistant Professor EEE Department, ASIET.

The session focused on the origin of nanotechnology, their fundamental concepts and the current research on nanomaterials including the top-up and bottom-down approaches. Also, the tools and techniques used in production were explained efficiently by the speaker and the students were given an idea about their uses in different fields and the importance of nanotechnology in engineering fields that can help the students in their areas of interest. The seminar also paved out to be an interactive session where the students raised various questions about the topic. The seminar also emphasized the future of nanotechnology in our day to day life and by the end of the session, the attendees acquired the knowledge required in the development of nanotechnology and their uses. A feedback session where the students gave their views on various aspects of the session was also conducted. The session ended with Ms. Nayana J, IEEE IAS Chapter Advisor, presenting Ms. Archana Aniyan with a token of love followed by which the vote of thanks was delivered by Adith Menon, Secretary, IEEE IAS SBC ASIET.

Seminar on Nanotechnology

Delegates of the event

Enigma

Enigma, a quiz challenge on the theme 'Science and New Emerging Technologies' was conducted by the IEEE Industry Applications Society Student Branch Chapter Adi Shankara Institute of Engineering and Technology, on 26th of February, 2020 from 11.30 am to 12.30 pm in accordance with the National Science Day celebrations, at the ECE Seminar Hall, ASIET. The quiz was conducted by Quizmaster Mr. Vignesh Haridas, Chairman, IEEE IAS SBC ASIET. ENIGMA was conducted as two phases, an online preliminary phase which had 25 participants was conducted on 23rd of February, 2020. The second and final phase conducted on 26th of February,2020 had 10 participants who were selected based on their performance in the preliminary phase. The final phase was fought out by the participants over 3 rounds namely Visual round, General round and Rapid Fire. The quiz ensured that the audience, as well as the participants, acquired knowledge on Science and New Emerging Technologies by by the end of it. A feedback session where the participants gave their views on various aspects of the session was also conducted. The session ended with a vote of thanks delivered by Rithula N Ebrahim, Vice Chairperson, IEEE SB ASIET.

A glimpse of the quiz competition

WiE-Expo

In alliance with the WIE week celebrations, the IEEE Industry Applications Society Student Branch Chapter in association with the IEEE Women in Engineering affinity group Adi Shankara Institute of Engineering and Technology, organized "WiE-Expo" a platfor where girl students were given an opportunity to showcase their Artistic skills on 9th March, 2020 at the College lobby. The expo was inaugurated by the guest of the day Ms. Megha Ben, Vice Chairperson, IEEE CS MGA Board for Student and Young Profes sional Activities. The expo commenced by the inauguration of the WiE wall at the lobby where Ms. Megha wrote the

keynote on the wall followed by many girls writing their own views or comments on the wall. The expo exhibited handicrafts, drawings, paintings and chart works done by 15 girl students. Ms. Megha found the works creative and appreciated the talents behind it. The expo was open for the girl students of all branches from 10:30 am to 1:30 pm. This expo enabled the students to feel proud about their own skills and talents thereby proving that girls are filled with creativity, ideas and confidence. Ms. Megha advised the students to take their skill to a very next level of designing. She asked the students to apply their drawing skills by learning photoshop, illustrator etc. thereby gaining a technical skill.

Ms. Megha Ben writing keynote on WiE wall

HerStory

HerStory, an interactive session was organized by the IEEE Industry Applications Society Student Branch Chapter in association with the Women in Engineering affinity group of Adi Shankara Institute of Engineering and Technology, on 9th of March, 2020

Exhibits of the students

from 10.30 am to 12.30 pm in accordance with the WiE week celebrations. Chief Guest for the day was Ms. Megha Ben, Vice-Chairperson, IEEE CS MGA Board for Student and Young Professional activities and a two-time IEEE Computer Society Richard E Merwin Scholarship winner, who is currently serving as a Technical Sales support Professional in Siemens Ltd. The session began with a welcome speech delivered by Ms. Aswathy N, Branch Counsellor, IEEE SB ASIET. Further, Prof. Asha Paniker, Vice Principal ASIET, addressed the gathering. Ms. Remya KP, Chapter Advisor, WIE SBC ASIET, then delivered the Women's Day message. Later Ms. Nayana J, Chapter Advisor, IEEE IAS SBC ASIET, spoke about the importance of women empowerment and innovating for a change. Then Ms. Megha Ben emphasized on how her transition from an inactive to a proactive IEEE member benefitted her. She also mentioned about the benefits of being an IEEE member and how having a good

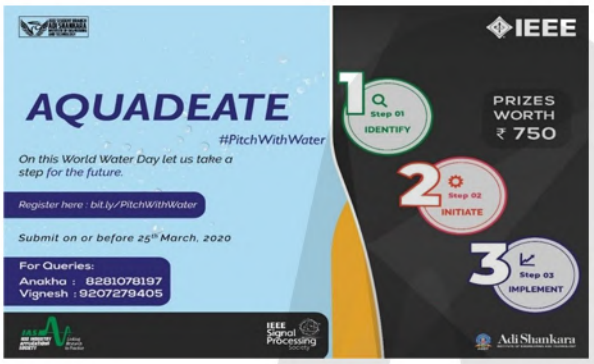
LinkedIn profile can help in the professional front. By the end of the session, the attendees acquired knowledge about the benefits of being an active IEEE member and the role of women in this ever-growing world. A feedback session was also conducted. The session ended with the vote of thanks delivered by Ms. Hridaya U Mallia, Vice-Chairperson, IEEE WIE AG ASIET

Talk by Ms. Megha

Delegates of the talk

Aquadeate

Aquadeate, an idea presentation competition on the theme 'Leave no drop behind' was conducted by the IEEE Industry Applications Society Student Branch Chapter in association with the IEEE Signal Processing Society Student Branch Chapter of Adi Shankara Institute of Engineering and Technology on 28th of March, 2020 from 4.00 pm to 6.00 pm in accordance with the World Water Day celebrations, through an online platform. AQUADEATE was conducted as two phases, first was an abstract submission phase with a deadline on 25th of March, 2020. The second and final presentation phase conducted on 28th of March, 2020 had 7 teams as participants. The judges for the final presentation were Ms. Nayana J, Chapter Advisor, IEEE IAS SBC ASIET and Ms. Neema M, Chapter Advisor, IEEE SPS SBC ASIET. The ideas presented varied from water usage control systems for households, drinking water quality testing and remedy, rainwater collection and distribution system, water conservation techniques and prevention of leakages etc. The competition ensured that the participants were able to convey their ideas as well as learn about new and emerging technologies in various fields for the healthy and efficient usage of water. It also paved out to be a stage for the participants to showcase their interest and will in contributing towards the society in any possible way. A feedback session was also conducted. They were of the opinion that the event paved a way for them to spend their time during these lockdown days in a much more resourceful manner.



Virtual Poster

Prathijwal

Prathijwal, a humanitarian program was organized by the IEEE Industry Applications Society Student Branch Chapter, in association with the IEEE Women in Engineering affinity group of Adi Shankara Institute of Engineering and Technology, on 7th of March,2020 from 10.00 am to 1.00 pm in accordance with the WiE week celebrations, at Mathrusakthi Balika Sadanam, Aluva, a non- profitable and voluntary organization working for the development of girls who need support. The program was headed by IEEE IAS Chapter Advisor Mrs. Nayana J and IEEE WIE Chapter Advisor Ms. Remya KP, along with 18 members of IEEE SB ASIET having an interactive and informative session with the residents of Mathrusakthi Balika Sadanam, Aluva. The program was conducted under the banner 'PRATHIJWAL' on the topic "Women in the Changing World". The program started off with "Who Are We??" an introductory session about IEEE SB ASIET by Mr. Vignesh Haridas, Chairman, IEEE IAS SBC ASIET. The chapter advisors of IEEE IAS and WIE then spoke about the importance of women empowerment and why to innovate for change. The session was then taken over by Mr. Vidhu Hari, an exceptional public speaker who catered into discussions about various topics including opportunities the current world offers for women in their fields of interest, followed by which he kept the audience locked to their seats with a storytelling session. Later an interactive talent exposure session along with various games were conducted. A feedback session was also conducted. The session ended with a women's day message delivered by Ms. Krishnapriya Boban, Chairperson, IEEE WIE SBC ASIET.

Volunteers of Prathijwal

Peer to Peer learning Section

IEEE Industry Applications Society Student Branch Chapter St. Joseph's College of Engineering and Technology organized Peer to Peer Learning sections for all the students. The sessions were led by the staff and students of SJCET. These learning sessions started on January 17th, 2020 and ended on

January 31st 2020. The first class was on UI/UX design at MCA LAB, Main Block, SJCET. Around 10 students attended the class, out of these 22 were IEEE members and the rest were non-IEEE members. This section was a great starting point for the beginners. Introduction To Arduino and the Handon workshop on Arduino were other sections under the Peer to Peer Learning. The event was a reflection of the beginner phase and was aimed at providing the attendees with basic ideas on Arduino. This was followed by many other workshops and learning sections. Peer learning created greater confidence and independence in learning, deeper understanding and improved both peer leaders and their students.

Learning session

Qrious'20 - Basic Electronics

IEEE Industry Applications Society Student Branch Chapter St. Joseph's College of Engineering and Technology conducted a quiz competition based on Basic Electronics on 17th January 2020 from 12:30 pm to 1:00 pm at E.C.E. Block Seminar Hall, SJCET exclusively for first year electronics undergraduate students of SJCET. Event was part of a series of quizzes conducted by IEEE SB SJCET in the year 2020. The quiz was held to increase and test the knowledge of students in general topics of Basic electronics. Mr. Rithin Jose and Ms.Tresa Mary controlled the quiz section and students were able to understand and express their knowledge in Basics of Electronics.We got around 60 responses and out of which 45 students participated in the quiz.The section ended at 1:00pm.The winner of the competition was Mr.Rohit M.S first year Electronics and communication and was awarded with a cash prize.

Fig: Volunteers of Prathijwal

Delegates of the quiz

Qrious'20 - Basic Computing

IEEE Industry Applications Society Student Branch Chapter St. Joseph's College of Engineering and Technology conducted a quiz competition based on Basic Computing. The event was conducted on 22nd January 2020 from 4:30 pm to 5:30 pm at DB-1 Seminar Hall, SJCET exclusively for first year

students of SJCET. Event was part of a series of the quiz conducted by IEEE SB SJCET in the year 2020. The quiz was held to increase and test the knowledge of students in general topics in Basic Computing. Mr. Jobson Varghese and Ms.Tinu Sam controlled the quiz section and students were able to understand and express their knowledge in Basics of Computing. We got around 60 responses and out of which 30 students participated in the quiz. The section ended at 5:30 pm.The winner of the competition was Mr.Rajath Mathew,first year Computer Science and was awarded with a cash prize.

Qrious'20 Hands-on Workshop on Arduino

IEEE Industry Applications Society Student Branch Chapter St. Joseph's College of Engineering and Technology conducted a hands-on workshop on Arduino. The main objective of this workshop is to provide the fundamental knowledge of Arduino Processor with hands-on practice. The Beginners phase of the hands-on Arduino workshop was conducted on January 28th,2020 at VLSI LAB , Main Block, SJCET. The event was conducted by Anandhu R. , S3 ECE, SJCET from 3:30pm to 5:30 pm. He taught the students the basics of Arduino. The event was conducted in order to develop the technical skills of the students. Around 39 students attended the workshop. Out of these around 25 students were IEEE members and 14 were Non-IEEE members. The program targeted at providing the attendees with a basic idea on Arduino and it had a favourable outcome. With the help of this workshop, we had tried to instil a basic knowledge of Arduino on students which will be more useful for them in future.

Workshop on Arduino Bots

IEEE IAS SBC SJCET held this workshop as the next phase of the hands-on workshop on Arduino. During the first phase the students were taught about the fundamental knowledge of Arduino Processor with hands-on practice. Hands-on training was done to give brief knowledge about the working environment with the Arduino.The professional phase was the final phase of the event. During this final session, we taught the students how to make a BOT working on an Arduino UNO. The final phase was completed on January 29th,2020 at VLSI LAB, SJCET. The event was conducted by Anandhu R. , S3 ECE, SJCET FROM 3:30 pm to 5:30 pm. In the final phase,students were taught how to make a BOT working on Arduino UNO and able to control the BOT with the help of phone via Bluetooth module, then use that knowledge to build a fully autonomously bot from scratch. Finally session ended with the fun activity of BOT

race. The outcome of the workshop was in the form of implementation of a sample working project.

PCB designing with Proteus

IEEE IAS SBC SJCET conducted a full day workshop on PCB designing using the proteus. The event was specialization of PCB workshop that was conducted early by IEEE IAS SB SJCET The speaker for the workshop was conducted on 1st February 2020 at elec tronics lab complex at 9:00am. Around 40 students registered and 30 out of the attended the workshop The workshop was for all semester B. Tech students and the event was free for all IEEE members. The best student was selected out of all attended students and a gift was given. Workshop started by giving a basic introduction about proteus and PCB followed by detailed PCB fabrication techniques

Workshop on PCB designing

Seminar on how to make projects using Raspberry Pi

The workshop was conducted by the IEEE IAS SBC SJCET involved learning on how to make projects using RASPBERRY pi which is of a great need at this time. The workshop was held on February 6th, 2020 at Main Block Seminar Hall, SJCET.The event was led by Criss Shaji from 4.30 pm to 5.30 pm. The students were given an idea about RASPBERRY pi and how to make new projects using this. Some demonstrations were done. About 43 students attended the workshop. 32 students were IEEE members and the rest Non - IEEE members. The students were able to improve their technical calibre through this workshop. During this workshop, new projects using RASPBERRY pi were created. This workshop was conducted in order to make the attendees more familiar to RASPBERRY Pi to do their projects.

Virtual Poster

Workshop -Accident prevention mechanisms in circuits

IEEE IAS SBC SJCET conducted a workshop on Accident prevention mechanisms in circuits to impart knowledge on the proper usage and checking of circuits. This workshop was done to aware the students on Accident Prevention Mechanism in Circuits. The session was held on February 12th,2020 at DB3 Seminar Hall, SJCET. The session was taken by Vishnu K Kumar, from 3:30 pm to 5:30 pm. A total of 37 students attended the workshop, in which 22 students were IEEE members and 15 students were Non - IEEE members. The main aim was to provide the attendees a guidance on Accident Prevention Mechanism in Circuits.

Virtual Poster

Industrial visit to STIC

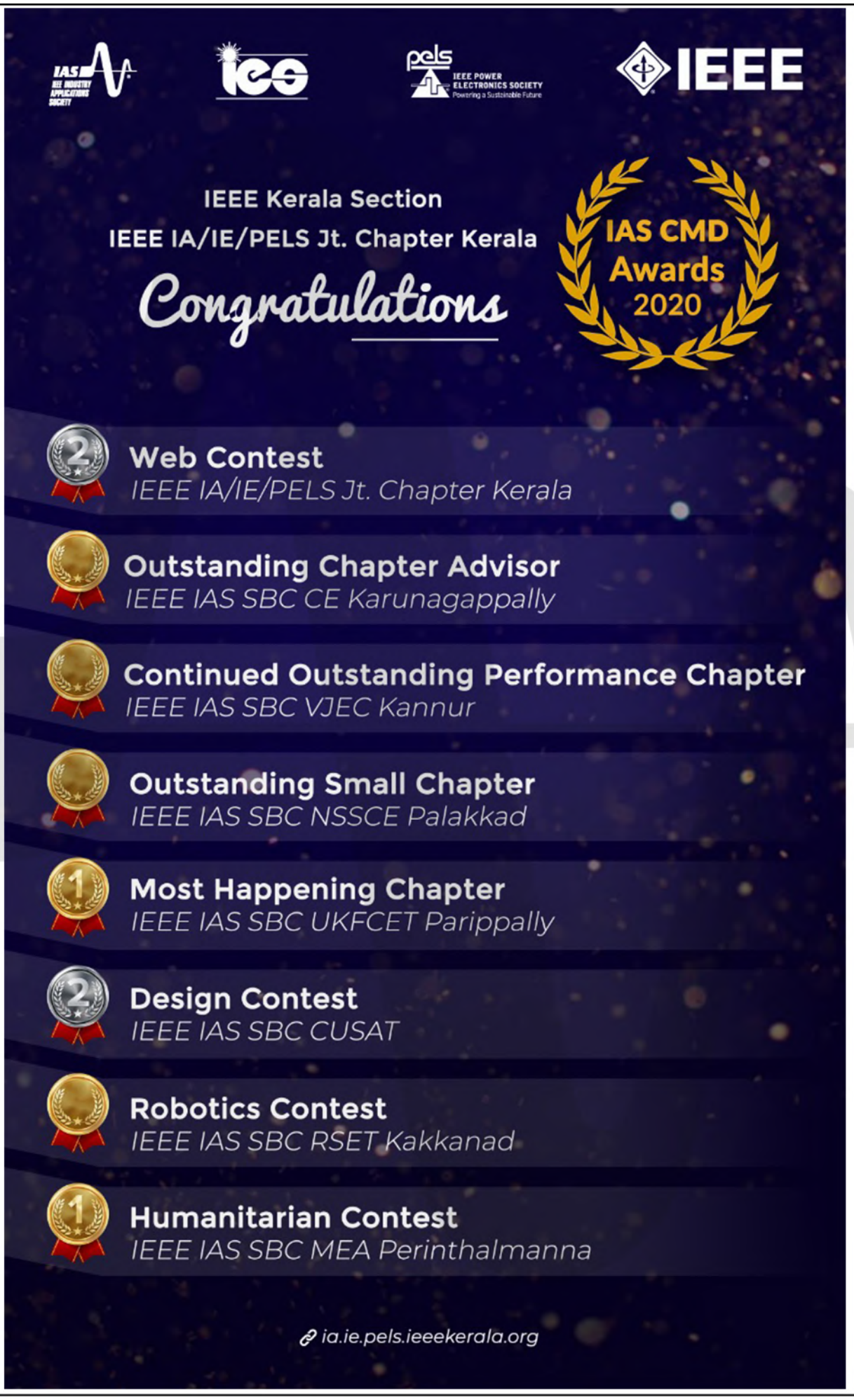
IEEE CUSAT IAS SBC conducted a visit to STIC-'Sophisticated Test and Instrumentation Centre'. Sophisticated Test and Instrumentation Center is an Institution Sponsored Jointly by Kerala State Council for Science Technology and Environment (KSCSTE) and Cochin University of Science and Technology. The visit was conducted with the support of IEEE IA/IE/PELS Jt. Chapter Kerala.

The Calibration Laboratories of STIC are equipped with modern calibration instruments and standards that are traceable to National Standards. These laboratories are accredited by the National Accreditation Board for Testing and Calibration Laboratories (NABL). STIC offer calibration services for Electro-Technical, Thermal and Mechanical parameters. The calibration services of STIC are made use of by industries, R&D Organizations and other Calibration Laboratories, mainly from South India. The Sophisticated Analytical Instrument Facili ty (SAIF) of STIC is a facility for Researchers, Students and Industries who require highly Sophisticated Analytical Instruments for Chemical, Atomic and Spectral Analysis of materials and chemical substances. This facility is sponsored by the Department of Science and Technology Government of India. SAIF in STIC is the 12th such facility in the country.

The visit was supervised by Harigovind, founding chair of IEEE IAS SBC and the team consisted of thirteen members including seven IAS members. Students got a chance to observe and understand working of Nuclear Magnetic Resonance (NMR) spectrometer mass spectrometer. Live demonstration of ICP - Inductive Coupled Plasma Mass Spectrometer for detecting metallic components in food items was conducted. Students were curious to see different parts of both Transmission Electron microscope and the scanning electron microscope. Students also got a chance to see different calibration laboratories including mechanical, thermal and Electrical labs which deal with standardizing various instruments like clamping CT, weighing machines etc. All experiments and measurements were taken in a controlled environment of 20°C with an error of 1°C. Students were very interactive and were able to understand how their academics were implemented in industries. The visit was helpful for the students to understand the importance of the IAS chapter that is ' Linking Research to Practic

Participants of the Industrial Visit

Congratulations to Winners


IEEE Kerala Section
IEEE IA/IE/PELS Jt. Chapter Kerala
Congratulations
IAS CMD Awards 2020
Web Contest
IEEE IA/IE/PELS Jt. Chapter Kerala
Outstanding Chapter Advisor
IEEE IAS SBC CE Karunagappally
Continued Outstanding Performance Chapter
IEEE IAS SBC VJEC Kannur
Outstanding Small Chapter
IEEE IAS SBC NSSCE Palakkad
Most Happening Chapter
IEEE IAS SBC UKFCET Parippally
Design Contest
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Robotics Contest
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Congratulations
2
IEEE IAS SBC
ASIET Kalady
1
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IEEE IAS SBC
MBCCET Kuttikkanam
For been selected as best events conducted
as a part of Wie Week celebrations
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for achieving the BEST ARTICLE AWARD
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Student Execom Meet

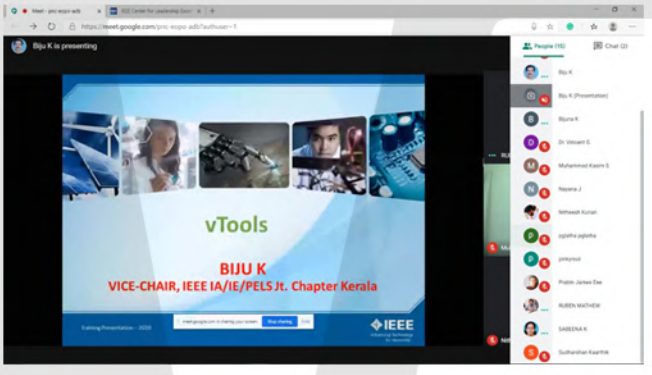
IEEE IA/IE/PELS Jt. Chapter Kerala conducted an Excom meeting through Google meet on 30th March, 2020 at 7pm. The convenor of the meeting was Prof. Biju K, Vice Chair, IEEE IA/IE/PELS Jt. Chapter Kerala. The meeting started off with the presidential address delivered by Dr. Bijuna K, Chair , IEEE IA/IE/PELS Jt. Chapter Kerala. Dr. Muhammed Kasim, Immediate past Chair, IEEE IA/IE/PELS Jt. Chapter Kerala also addressed during the meeting. The meeting mainly focused on discussing the statuses of few events being conducted and a presentation by each Excom member about their works was also conducted. Activity discussion on Ideathon, Webinars, Conoscenza and wie-tec was held. Discussion of new initiative and Activity calendar of 2020 was held. The meeting ended with a vote of thanks delivered by Dr. Vasanthi, Secrretary, IEEE IA/IE/PELS Jt. Chapter Kerala. All the student Excom members were present during the meeting.

Professional Execom Meet

A professional Execom meeting was conducted on 31st March, 2020 from 6:30pm-7:30pm in Google Meet. New professional execom members were given training on vtools reporting and also this meeting provided a platform for the members to interact with each other. Each professional Execom member presented their views on the ongoing events and discussed strategies to conduct event with a global recognitions. The past professional Execom members gave a short description about the successful events conducted under their mentoring giving a clear view for the present members on how to mentor and coordinate with the student members.

Advisors Training

A training session for advisors of Student Branch Chapters of IAS/IES/PELS in various institutions of Kerala was conducted on 11th April 2020, at 6.30 PM in "google meet" platform. There were 17 advisors and student representatives participated in the meeting. Prof.Biju K, Vice Chair delivered lectures on vTool reporting, OU analytics and submission of application for senior membership. Dr.Bijuna Kunju , Chair of IA/IE/PELS Jt.chapter, Kerala engaged session on Centre of Leadership Excellence. Meeting concluded with vote of thanks by Dr. Vasanthi, Secretary, IEEE IA/IE/PELS Jt. Chapter Kerala.



A Screenshot During Advisor Meet

Student Branch Chapter Chairs Meet

IEEE IA/IE/PELS Jt. Chapter Kerala organized a meeting with Chairs of different IAS/IES/PELS Student Branch Chapters along with members of professional and Student executive committee. The meeting was organized Hub-wise as Travancore Hub on 1st, April 2020, Kochi Hub on