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AKIASSC '19

Distinguished Lecture Program

IAS CMD Awards 2019
QUEST

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Advancing Technology for Humanity

IA/IE/PELS Jt. Chapter
IEEE Kerala Section







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IAS CMD AWARDS 2019

IAS/IES/PELS Jt. Chapter Kerala Section

WEB CONTEST

1st prize for IEEE IA/IE/PELS Jt. Chapter Kerala Section



MOST HAPPENING CHAPTER

3rd Prize for IEEE IA/IE/PELS Jt. Chapter Kerala Section

ZUKER DESIGN CONTEST

3rd prize for project Smart Home Plug done by students Raveena M, Megna Sudeep, Gopika R & Aswathy H of Vimal Jyothi Engineering College



Prof. Muhammad Kasim S Chair



Dr. Bijuna Kunju Vice Chair



Mr. Biju K Secretary



Mr. Anandhu S Kumar Coordinator - Student Branch Chapters



Mr. Nebic J Johnson Student Coordinator



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CHAPTER HIGHIGHTS

AKIASSC'19



IEEE IA/IE/PELS Jt. Chapter Kerala and IEEE IAS SB Chapter NSSCE organized the first edition of All Kerala Industry Applications Society Student Conclave 2019 (AKIASSC'19) from 8th February to 10th February 2019. The event was held at NSS College of Engineering Pakkad. The core aim of conducting AKIASSC is to foster technological innovation and excellence for the benefit of humanity.

The AKIASSC'19 offered a platform to innovate the minds of the budding engineers through various programs such as informative meetings, technical talks, motivational talks, and interactive sessions with foremost industrial experts. The event provided the students with in formation such as the benefits of being an IAS student member, volunteer and leadership roles in the chapter activities, avail travel opportunities, IAS Annual meetings, and Awards etc. The student conclave gave students the best opportunity to network with a number of IEEE Senior members & experts in the Industrial field, to be mentored by them in their field of interest and explore internship through personal contacts. The various activities and workshops during the event helped students to improve their technical knowledge, managerial skills as well as personal skills. This provided a professional development source for the students.

Inauguration Ceremony

The inaugural ceremony of All Kerala Industry Applications Society Student Conclave 2019 (AKIASSC'19) commenced with seeking blessing from almighty. Dr Leesha Paul (Student branch counsellor of NSSCE) delivered the IEEE Code of Ethics to the gathering. Prof Muhammed Kasim S (Chair, IA/IE/PELS Jt. Chapter Kerala) welcomed the chief guest and other dignitaries on and off to the dais. He motivated the delegates to actively participate in the workshop to get benefited. The presidential address was delivered by Dr Sudha T (Principal, NSS Col lege of Engineering, Palakkad). She mentioned about the significance Of IEEE and its societies in the current technological world. Dr Sivaji Chakravorthi and other dignitaries inaugurated the conclave by lighting the lamp. Dr Sivaji Chakravorti (Director, NIT Calicut) delivered the inau gural address and he wished all the success to the conclave. Ms Athira M (Chair, IAS SBC NSSCE) briefed about the activities carried out by IAS SBC NSSCE during the last year and introduced its current Execom members to the gathering. Prof Biju K (Secretary, IA/IE/PELS Jt. Chapter Kerala) mentioned about the role and significance of IA/IE/PELS Jt. Chapter



Fig. Inaguration of AKIASSC'19 by Dr Sivaji Chakravorthi

Kerala. The ceremony was further continued with felicitations by Dr Sameer S M (Chair, IEEE Kerala Section), Er Dharesan Unnithan K M (Director, Energy Management Centre Kerala) and Er Srikanth Vasudevan (IAS CMD Membership Chair) and he pointed out the benefits of being an IEEE member. The awards for the best student branch chapters and volunteer were distributed during the ceremony by the chief quest. An appreciation letter from Mr Georges Zissis (IAS President) and Peter Magyar(Director of Chapter Development) was handed over to the IA/IE/PELS Jt. Chapter Kerala and the coordinators of AKIASSC'19 during the ceremony. The ceremony was followed by releasing of IAS newsletter by Dr Sameer S M. The renowned website launch was also done during the occasion. The inaugural ceremony was con cluded with a vote of thanks delivered by Dr Vasanthi V (Advisor, IAS SBC NSSCE).

Highlights of Inauguration Ceremony

Newsletter Release

The first annual edition newsletter called 'INDUSTRIA' of the year 2018, an initiative by the chapter to document as well as spread the wonderful activities done under the chapter to all the IEEE members. This contains the reports of all the activities conducted under the IEEE IA/IE/PELS Jt. Chapter Kerala Section along with several other information's was released by Dr Sameer S M (Chair, IEEE Kerala Section) during the inaugural function.



Fig. 2018 Newsletter 'INDUSTRIA' release done by Dr Sameer S M

Website Launch

An initiative by the joint chapter to give all its members an opportunity to know about all the activities conducted under the joint chapter and to freely reach to the executives of the joint chapter gave rise to the idea of a website for the chapter. The Website launch was conducted during the inauguration ceremonies of AKIASSC'19 by Dr Madhu Mangal



Fig. Website Launch by Dr Madhu Mangal

Cerificate of Appreciation

The Industry Applications Society presented the IEEE IA/IE/PELS Jt. Chapter Kerala Section with certificate of appreciation for the wonderful and enthusiastic works done by the joint chapter. The certificate of appreciation was received by Joint Chapter chair Prof Muhammed Kasim S from Dr Sivaji Chakravorthi (Director, NIT Calicut) on the behalf of IAS.

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Fig. Certificate of Appreciation from IAS to IAS Joint Chapter Kerala Section Chair Prof Muhammed Kasim S

The first All Kerala Industry Applications Society Student Conclave was conducted from 8th to 10th February 2019 at NSS College of Engineering, Palakkad. The Industry Applications Society presented the IAS SBC NSSCE with the Certificate of Appreciation for the interest they showed in conducting the event.



Fig. Certificate of Appreciation from IAS to IAS SB NSSCE for hosting AKIASSC'19

Award Winners

IEEE IAS SB Chapter Indian Institute of Space Science and Technology, Trivandrum - Outstanding Student Branch Chapter - Gold Plaque



Fig. Winner of Gold Plaque - SBC IIST Trivandrum

IEEE IAS SB Chapter TKM College of Engineering, Kollam - Outstanding Student Branch Chapter - Silver Plaque



Fig. Winner of Silver Plaque - SBC TKMCE Kollam

IEEE IAS SB Chapter NSS College of Engineering, Palakkad - Outstanding Student Chapter - Bronze Plaque



Fig. Winner of Bronze Plaque - SBC NSSCE Palakkad

The IEEE IA/IE/PELS Jt. Chapter Kerala -Outstanding Student Volunteer Award -Athira M



Fig. Outstanding Student Volunteer Award Winner - Athira M

Technical Talks

1. Energy efficiency for improving profitability

A technical talk on the topic "Energy efficiency and improving profitability" was organised as a part of AKIASSC'19 on 8th February 2019. The talk was delivered by Er Dharesan Unnithan K M (Director, Energy Management Centre Kerala).



Fig. Talk on "Energy efficiency and improving profitability"

2.Demystifying Hardware Product Development

A technical talk on the topic "Demystifying Hardware Product Development" was organised as a part of AKIASSC'19 on 9th February 2019. The talk was delivered by Dr K R Suresh Nair (CTO, SFO Technologies Kochi).



Fig. Talk on "Demystifying Hardware Product Development"

3. Energy Storage for a renewable energy system

A technical talk on the topic "Energy Storage for renewable energy system" was organised as a part of AKIASSC'19



Fig. Talk on "Energy Storage for renewable energy system"

4. Autonomous Cars

A technical talk on the topic "Energy Storage for renewable energy system" was organised as a part of AKIASSC'19 on 10th February 2019. The talk was delivered by Ms Revathi T S (Senior Engineer, Tata Elxsi).



Fig. Talk on "Energy Storage for renewable energy system"

5. Building Management Systems

A technical talk on the topic "Building Management Systems" was organised as a part of AKIASSC'19 on 10th February 2019. Er Shahim Baker (CEO, Baker Associate Groups) delivered a talk about "Building Management Systems".



Fig. Talk on "Building Management Systems"

Non-Technical Talks

1. Studying engineering - Do we need it differently

A non-technical talk on the topic "Studying engineering- Do we need it differently" was organised as a part of AKIASSC'19 on 9th February 2019. The talk was delivered by Dr Sivaji Chakravorti (Director, NIT Calicut).



Fig. Talk on "Studying engineering- Do we need it differently"

Innovative solutions: the key to success

A non-technical talk on the topic "Innovative solutions: key to success" was organised as a part of AKIASSC'19 on 9th February 2019. The talk was delivered by Dr Jacob Chandapillai (Director, Fluid Control Research Institute, Palakkad).



Fig. Talk on "Innovative solutions: key to success"

Industrial Visit 1. Fluid Control Research Institute

An industrial visit to Fluid Control Research Institute (FCRI), Kanjikode, west Palakkad was conducted as a part of AKIASSC'19 on 8th February 2019. 50 delegates were accompanied by five volunteers visited the facility.



Fig. Industrial visit to Fluid Control Research Institute (FCRI), Kanjikode, west Palakkad

2. Patspin India Ltd. Palakkad

As a part of All Kerala Industry Applications Society Student Conclave, an Industrial Visit was conducted on 8th February 2019 to Patspin India Ltd. Palakkad. 45 Delegates were accompanied by five volunteers visited Patspin India L



Fig. Industrial Visit to Patspin India Ltd. Palakkad

Field visit

On the first day of AKIASSC'19 8th Feb 2019, 134 delegates along with 20 volunteers visited Malampuzha garden. Prof Muhammed Kasim S and Dr Leesha Paul accompanied them.



Fig. Field Visit to Malampuzha gardens

Meets

1. IAS SB Chapter Advisers Meet

As a Part of AAs a part of All Kerala Industry Applications Society Student Conclave 2019, Advisor's Meet was conducted on 9th Feb 2019. The Meet was held with the initiative of the Advisors' of IEEE Kerala Section to discuss the reforms that need to be introduced in the IEEE Kerala section and about its' functioning till date.KIASSC'19 the workshop on Lighting Design and New Trends in lighting was conducted on 9th February 2019 by Er Tomy Maly (Asst. Manager Wipro lightings).



Fig. IAS SB Chapter Advisers Meet

2. WiE Empowerment Summit (WES)

As part of AKIASSC'19 (All Kerala Industry Applications Society Student Conclave) organised by IA/IE/PELS Jt. Chapter Kerala in association with IEEE IAS SBC NSSCE, WiE Empowerment Summit (WES) was conducted on 10th February 2019. It was an interactive session by women entrepreneurs lead by Dr K Bijuna (Vice Chair IA/IE/PELS Jt. Chapter Kerala), Mrs Jyothi Ramaswami (Vice Chair of WiE AG Kerala) and Megha Ben (Regional-10 Student Ambassador of IEEE CS).



Fig. WiE Empowerment Summit (WES)

3. IAS SB Chapter Chairs Meet

IEEE IAS SBC Student Chairs gathered on 10th February 2019, offering a chain to get in touch with, to present an annual report of 2018 and to discuss the plans for 2019.



Fig. IAS SB Chapter Chairs Meet

4. IAS YP meet

YP Meet (Young Professional Meet) was held on 10th February 2019 at NSS College of Engineering as part of AKI-ASSC'19. A team of 7 members from YP joined for the meeting. The team was lead by Er Shahim Baker (Secretary IEEE Kerala Section) and Er Thomas Sabu (Secretary Kerala YP). The team also included Er Sudev and Er Jishnu who are also active members of Kerala YP



Fig. IAS YP meet

Cultural Events

On 9th February 2019, the second day of AKIASSC, A cultural night specially dedicated to the delegates at the open stage of NSS College of Engineering was conducted.



Fig. Cultural night at NSSCE

Valedictory Function

The valedictory function started at 3:00 pm at the college auditorium. Prof K Biju delivered the welcome speech. He welcomed Prof Muhammad Kasim S (Chair, IA/ IE/ PELS Jt. Chapter Kerala), Dr Leesha Paul (Counselor, IEEE SB NSSCE)

and Er Shahim Baker (CEO, Baker Associates Group). All delegates and volunteers gathered in the auditorium. For the first time, IAS SBC Chairs Certificates are distributed. The certificates are awarded by Er Shahim Baker and Prof Muhammad Kasim S. The participation certificates are awarded to delegates by Er Shahim Baker. Six Chairs awarded full fee weaver who brought more than 6 numbers of delegates from their SB Chapters. Abhinav R (Secretary, IEEE IAS SBC NSSCE) delivered the vote of thanks. Feedback session from the delegates got very good comments as expected. The memorable event AKIASSC'19 ended with the valedictory function.



Fig. Valedictory function

AKIASSC'19 in a nutshell

The Industry IEEE IA/IE/PELS Jt. Chapter Kerala Section had organized a 3 day Flagship Event from 8th of February to 10th of February, All Kerala industry Application Society Student Conclave 2019. The first day commenced with the arrival of the participants and then continued by an Industrial visit at PATSPIN and FCRI. The Inaugural Ceremony was conducted in the afternoon after the arrival of the Chief Guest, Dr. Sivaji Chakravorti. There was an Invited Talk and a Field trip to Malampuzha. On the

second day, three parallel Workshops were organized. The IAS Student Branch Chapter Advisors Meet also took place simultaneously. In the evening there were two Invited Talks. The events for the day ended with Cultural Programs and Gale Dinner. On the last day there were two Invited Talks continued by WIE Empowerment Summit, IAS Student Branch Chapters Chairs Meet and Young Professional Meet. The event was a grand success with the active participation of the students and hard work of the volunteer



Fig. Final day of AKIASSC'19

Distinguished Lecture Program (DLP)

A watchmaker takes his time to build you a masterpiece that will tell you the exact moment when you make those marks in the history of the world. As an initiative to bring the real world of knowledge, rightful thoughts and to help us develop a strong and deep foundation the IEEE IA/IE/PELS Jt. Chapter Kerala Section put forward Prof Vassilios G. Agelidis, Professor at the Centre for Electrical Power and Energy, Department of Electrical Engineering, the Technical University of Denmark as the part of Distinguished Lecture Program to give his time to help you generate a platform to build an empire of our wish. He served as AdCom Member of IEEE PELS and was Technical Chair of 39th **IEEE Electronics** the Power

Specialists Conference, Rhodes. He is a recipient of the Advanced Research Fellowship from the U.K.'s Engineering and Physical Sciences Research Council. He has been recognized as a Fellow of the IEEE and IET (UK). He showered the students with a lot of knowledge and guide lines for a better world both for students and others. The colleges where the Distinguished Lecture Program was conducted are Vimal Jyothi Engineering College Kannur, Government Engineering College Thrissur, TKM College of Engineering Kollam, College of Engineering Chengannur, Sree Chitra Thirunal College of Engineering Thiruvananthapuram and College of Engineering Thiruvananthapuram. The event delivered a feather to the crown of IEEE IA/IE/PELS Jt. Chapter Kerala Section.



Fig. DLP by Prof Vassilios G. Agelidis

Invited Lecture Program

The IEEE IA/IE/PELS Jt. Chapter Kerala Section as an initiative to create a new mode of educating the students about the current as well as old technologies and incorporating the ideas of students and well known and experienced hands in the field to create a new and dynamic approach to technologies that would create a new wave of technological emotions in the world. As a part of this

idea, the chapter invited Dr Sanjib Kumar Panda, an Associate Professor and Director of the Power and Energy Research Area with the Department of Electrical and Computer Engineering, National University of Singapore (NUS). He has co-authored one book and holds six patents. He has carried out extensive research in various areas of control of electric drives and power electronic converters. He is Associate Editor of "IEEE Transactions on Power Electronics" and "IEEE Journal of Emerging and Selected Topics in Power Electronics". As a beginning this initiative, he conducted a few talks at different Student branches including Government Engineering Kannur, College of Engineering Karunagappally and Government Engineering College Thrissur. And also interacted with the students and helped them to create a new path to let them know the world better and gave guidelines to generate bracing ideas for the future.



Fig. ILP by Dr Sanjib Kumar Panda

WIE INSIGHT

The IEEE IA/IE/PELS Jt. Chapter Kerala Section celebrated the spirit of womanhood with 'WIE Insight' as a part of international women's day 2019 to showcase our respect to all women who brought phenomenal change in society. The

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Fig. WIE INSIGHT Poster

program was aimed to elevate the unlimited power of women in the context of science and technology. WIE Insight was conducted from 8th March to 16th March 2019 and was lead by Athira M (WIE coordinator IA/IE/PELS Jt. Chapter Kerala Section) and Laya Raj (Travancore hub WIE coordinator IA/IE/PELS Jt. Chapter Kerala Section). About 25 events happened around Kerala as a part of WIE Insight. The event aimed to build up a self-confident girls community. The program mainly focused on the benefits of girl student members in IA, IE and PEL societies. The major activities conducted as a part of WIE Insight was a photographic contest and a two-level quiz competition named 'Quest'. The topic of the photographic competition was 'Women's day celebration and Women empowerment'. The validation of the competition was done by the exco members of the IEEE IA/IE/PELS Jt. Chapter Kerala Section. The photograph from IAS SBC UKFCET was selected as the best among the entries. The prize was an SDLP session organised by joint chapter. The active participation of the SBCs under joint chapter made the event a grant success. The activities under WIE Insight helped the girl students to realise their potential and innate their abilities.



Fig. WIE INSIGHT programme at UKFCET, Kollam

QUEST

The IEEE IA/IE/PELS Jt. Chapter Kerala Section conducted a two-stage guiz competition on technology as part of celebrating the International Women's day. The first round of the competition was conducted at the Student Branches and the winners were selected for the next round of the competition conducted by the IEEE IA/IE/PELS Jt. Chapter Kerala Section. In order to make the students realise the immense contributions done and are being done by the women for the field of technology was the main reason for conducting such a great event. Apart from the quiz competition, the student branches were requested to conduct a small talk on the contributions by the women on the field of technology and collect the ideas of students to bring up a strong and powerful women generation to lead the world alongside the men.



Fig. Quest at RIT

STUDENT BRANCH CHAPTER EVENTS

1. Executive Committee Training

The ExCo training was conducted on 1st January 2019 by the IEEE IAS SB Chapter UKFCET Paripally. Fifteen volunteers of UKFCET participated in this training program. Laya Raj, chair of IAS SBC UKFCET gave a brief introduction about Anandhu S Kumar student activity coordinator of IEEE IA/IE/PELS Jt. Chapter Kerala Section as well as the chief quest of the training program. Mr Athul M.V the advisor of IAS SBC UKFCET also shared some words to the students. After the inaugural ceremony, the training program was conducted. Mr Anandhu S Kumar was so helpful to the students and tried his very best to enrich the students with their responsibilities with some great examples. The session ended with a feedback session from students. Akhil T P, secretary of IAS SBC UKFCET delivered the vote of thanks and Mr Athul M V pr sented Mr Anandhu S Kumar with a memento as a small token of love.



Fig. Executive Committee Training by Anandhu S Kumar

2. Talk on 'Understanding AC Power System Network and Its Safety Aspects'

IEEE IAS Student Branch Chapter IIST organized a technical talk on the topic 'Understanding AC Power System Network and Its Safety Aspects' on 23rd January 2019. Mr Richu Sebastian, PhD research scholar, IIST handled the session. The talk started with an introduction to the gener al understanding of the AC power generation, transmission and distribution system. A brief demo of the connections of RCCB's and MCB's was also given. The different causes of electrocution and the safety measures to be taken to avoid such dangerous conditions were dis cussed in detail. The session mainly targeted at the graduate and undergraduate students working in the power lab to give awareness on the safety measures while working on high power systems. The session was followed by an interactive session where students discussed their thoughts and doubts regarding the topic. A total of 20 students attended the program.



Fig. Understanding AC Power System Network and Its Safety Aspects

3. Membership Drive

The IEEE IAS SB Chapter UKFCET organised a membership drive on 30th January 2019 in order to increase the student member count in the Student Branch. Mr Athul M V, IAS SB Chapter Advisor delivered a talk to students on the relevance of being part of an international organi sation and how it is going to help in their career growth. He also pointed, how as a team the SB worked at the time of necessities including disaster relief activities and asked students to be part of such big movements to know the joy of volunteering. Apart from 7 members from the beginning, 14 new members joined SB. Also, 8 more students have shown interest, who will be joining in August 2019. Two professional members have shown interest to join by August 2019. The membership drive was successful. The volunteers and the executive committee did magnificent work.



Fig. Membership Drive at UKFCET

4. PCB Design and Fabrication

On 1st February 2019, the IEEE IAS SB Chapter GEC Thrissur conducted a workshop on 'PCB Designing and Fabrication'. This gave immense knowledge and

information in the development of PCB's to the students. The event was conducted by the students itself which made a much better environment for the participants. Enabling them to have more interaction and clear their doubts without any shyness. The interaction with the participants on the workshop made the volunteers to have a much better idea of what the students wish to have? The workshop had a participation of over 30 students.



Fig. PCB Design and Fabrication at GEC Thrissur

5. Inauguration of IEEE PELS SB Chapter at MCE Chirayinkeezhu

The inauguration of the IEEE Power Electronics Society Student Branch Chapter Musaliar College of Engineering Chirayinkeezhu was jointly organized by the IEEE IA/IE/PELS Jt. Chapter Kerala Section and IEEE IAS SB Chapter Musaliar College of Engineering, Chirayinkeezhu on 4th February 2019. Dr C Sam, Principal of the College presided over the meeting. The IEEE PELS SB Chapter was inaugurated by Dr Madhu Mangal (Former Vice President, EMERSON Network Power India, Thane). Winners of IEEE Quiz 2018 were awardedby the guest. After the inaugural

section, Dr Madhu Mangal gave a talk on the history of batteries, battery for autonomous cars, etc.



Fig. Inauguration of IEEE PELS SB Chapter at Musaliar College of Engineering, Chirayinkeezhu

6. Workshop On Circuit Simulation Using Proteus

The IEEE PELS SB Chapter GEC Thrissur conducted a workshop on 5th February 2019. The intention of the workshop was to help the students to have a deeper knowledge of the circuit with the help of circuit simulation using Proteus which could help them with their future studies and projects. It was a one day workshop. Dr Jaison Mathew was the resource person. Both BTech and MTech Students participated in the workshop. The workshop discussed the need for simulation, different tools available in Proteus etc. It was a fully hands-on workshop. Partici pants designed and simulated simple circuits during the session itself. Assignments were given for analysing the effectiveness of the session and the follow up was done. The workshop made the students gain a deeper knowledge on the topic. The workshop gained immense appreciation from the students. A total of more than 35 students participated.



Fig. Workshop On Circuit Simulation Using Proteus

7. General meeting and event plan

On 6th February 2019, the IEEE IAS SB Chapter UKFCET conducted the first IAS general meeting of the year 2019. The main agenda of the meeting was to form the new executive committee for the year 2019 and introduction of the new ExCo to the new members who had recently joined IAS after membership drive. In the meeting, voting was conducted for the new ExCo members. The ExCo consisted of mostly the members of the previous committee as they had only a couple of months to work since the official inauguration was on 10th August 2018. Mr Athul M V advisor of IAS SB Chapter UKFCET talked about various competition going to happen at the international level in which the member could apply and discussed future events which are to be conducted at the college. The event made the students get to know the ExCo much closer. It made the students to have a one on one talks and get to know the benefits of being part of the prestigious IEEE. The session also made the students to clear their doubts. event had a total participation of more than 50 members.



Fig. General meeting and event plan at UKFCET

8. Student Branch reactivation Programs

Two membership Development programs were held by IEEE IA/IE/PELS Jt. Chapter Kerala Section Chair, Prof Muhammed Kasim on 12th and 19th February 2019 at Musaliar College of Engineering and Technology, Pathanamthita to reactivate the IEEE Student Branch. Member benefits, Student Branch operation and Officer reporting were highlighted during the presentation. In March, new students joined IEEE and now MCET IEEE SB became an active Student Branch.



Fig. Student Branch reactivation Program at MCET conducted on 19th February 2019

9. Resume Workshop

The IEEE IAS SB Chapter UKFCET organised a Resume workshop 'Know Yourself' for final year students at the college campus on 14th February 2019. The seats were limited to 30 and the event held with an attendance of 34 students. The workshop was organised to make the upcoming placement drives fruitful. Students were given guidelines and tips on how to prepare for an interview and create a successful CV. The CV's were verified by professionals. A one on one tips and guidelines were provided to each students based on their CV. Each CV was scrutinized based on professional level. The students much appreciated the initiative. The Program was supported by the Department of Electrical Engineering and felicitated by Mrs Praveena Krishna L, Head of Department. The workshop was very much interactive and received positive feedbacks. The event was successful with the responses from students and the SBC is planning to conduct a second level workshop for 3rd year BTech students and MTech students of the whole campus. The coordination team got high appreciation from the place nent cell of the college.



Fig. Resume Workshop

10. Workshop on Remote Controlled Robotic Car

On 20th and 21st of February 2019, the IEEE IAS SB Chapter CEK conducted a workshop on 'How to make a remote-controlled robotic car' from the basic to the high-end programming knowledge to create sophisticated robotic cars. The workshop was mainly aiming to induce knowledge in delegates about Bluetooth Controllers, Arduino Programming, Interfacing of Arduino with Bluetooth controller, stepper motor, motor drivers. The next day delegates added modules that made advancements to their own robotic car. The workshop made students to have deeper knowledge on the topic. Several ideas were fire extinguisher robot, vacuum cleaning robot etc. The workshop was supervised by Akshay Krishnan, Chair of IEEE SBC, Hari Prasad, PES Chapter Chair and Jayaraj N R, IAS Chapter Chair. The event had the participation of over 35 member



Fig. Workshop on Remote Controlled Robotic Car

11. Spectrum Talk on 'Future Promising Noise Cancelling Technology'

The IEEE IAS SB Chapter NSSCE Palakkad conducted a talk on 'Future Promising Noise Cancelling Technology' on 21st February 2019. The session was conducted with the aim that students come across the possibilities of the IEEE Spectrum magazine and they get acquainted with the upcoming technologies around them. In this modern world, Noise cancellation is an indispensable technology for mankind. Scientists have been working tirelessly to bring about innovations to this technology. So making the students realise the importance and need to understand the new as well as exciting technologies and bring out the interest of the students into all these fields was a part of the intention in conducting this talk. The event was much appreciated by the students and faculty, event had a total participation of over 35 students.



Fig. Talk on Future Promising Noise Cancelling Technology

12. Membership Development Session 2019

The MD session for the year 2019 of Musaliar College of Engineering and Technology, Pathanamthitta was held for first year students of ECE, CSE & EEE and Mechanical departments on 22nd February 2019. The guest speaker was Mr Abey Easow Joseph (Chair, Membership Development Team, IEEE Kerala Section). The students were given a brief introduction to and about IEEE. The need for a student branch and the corresponding activities were reviewed.



Fig. Membership Development Session by Abey Easow Joseph

13. Spectrum Talk on Quantum Computing

On 26th February 2019, the IEEE IAS SB Chapter NSSCE Palakkad decided to conduct a talk on 'Quantum Computing' as most of the members were not aware of the theory of quantum computing. Solomon Staby, an IEEE SB NSSCE member showed up to conduct a spectrum talk on the subject. The primary

aim of the talk was to provide basic knowledge about what is a quantum computer? and how it works? About 53 members, including IEEE members and non-IEEE members, were present. There are still limitations for problem-solving with a normal computer. At first, Solomon presented two relevant problems that cannot be solved by a normal computer. This is where a quantum computer plays its role. The main advantage of this technology is speed. Quantum computer can solve problems which a normal computer cannot even think about. He ex plained what a 'Qbit' is and how it works with plenty of examples.



Fig. Talk on Quantum Computing

14. Distinguished Lecture Program at VJEC

The IEEE IAS SB Chapter VJEC was part of the DLP organized by the IEEE IA/IE/PELS Jt. Chapter Kerala Section. The DLP was conducted on 26th February 2019. The lecture program made the students gain knowledge of new developments in the world. And have their doubts get totally cleared by Prof Vassilios G Agelidis. He taught about the importance of solar power plant and how to implement the solar plant. According to the professor the

three main points or three important factors we need to follow in our life is 'Networking', 'Ask questions', and 'never give up'. So throughout the lecture, Prof Vassilios motivated students to ask questions. The session was truly good and helpful for the students. The total of 50 members participated in the event.



Fig. Distinguished Lecture Program at VJEC

15. Distinguished Lecture Program at GEC Thrissur

On 27th February 2019, The IEEE IAS and PELS SB Chapter took part in the Distinguished Lecture Program on "Large Scale Solar PV Electricity Grid Integration: Technologies, Issues, Market Integration and Impact" by Prof. Vassilios. The event was a success owing to wide participation from the students and professors. In his lecture, Prof Agelidis gave an outline of the developments in the field of solar energy, its benefits, challenges and various issues associated with its integration to the existing grid and market. He also pointed out that the future of the automotive industry is in electrical vehicles and discussed issues when plugging more and more electrical vehicles to the grid. The number of participants was a total of 120.



Fig. Distinguished Lecture Program at GEC Thrissur

16. Distinguished Lecture Program at TKMCE

The IEEE IAS SB Chapter TKMCE in association with IEEE IA/IE/PELS Jt. Chapter Kerala Section organized the Distinguished Lecture Program (DLP) on the topic 'Large Scale Solar PV Electricity Grid Integration: Technologies, Issues, Market integration and Impact' on 28th February 2019. The lecture was given by Prof Vassilios G Agelidis. The lecture focused on diverse topics starting from world energy demand, energy resources, photovoltaic cells, its application, solar cells, and the list goes on. It was a great opportunity for student professionals to interact with such a great expert. The event had total participation of over 30 members.



Fig. Distinguished Lecture Program at TKMCE

17. IAS Chapter Inauguration and DLP

On 28th February 2019, the IEEE IAS SB Chapter CEC conducted the IAS Chapter Inauguration and took part in the DLP organized by the IEEE IA/IE/PELS Jt. Chapter Kerala Section. The session was based on the topic "Large-Scale Solar PV Electricity Grid Integration: Technologies, Issues, Market Integration and Impact" by Prof Vassilios G Agelidis, Professor at the Centre for Electrical Power and Energy, Department of Electrical Engineering, Technical University of Denmark. In the session, Prof Vassilios G Agelidis mentioned about the impor tance of solar energy in the present scenario and mentioned the various ways by which we can make use of this free energy. He highlighted the role of 'Solar Inverters' in which solar energy is converted to electrical energy by photovoltaic cells. The session winded up with an interactive session where students clarified their doubts with the speaker. Around 200 delegates from different Student Branches attended the session.



Fig. IAS Chapter Inauguration and DLP at CFC

18. National Science Day Quiz

The IEEE IAS SB Chapter UKFCET in association with the Department of Electrical & Electronics Engineering organised a quiz competition for the students on 28th February 2019. National Science Day is celebrated in India on 28th February each year to mark the discovery of the Raman effect by Indian physicist Sir C V Raman on 28 February 1928. For his discovery, Sir C V Raman was awarded the Nobel Prize in Physics in 1930. As the first part of the competition, the students were shortlisted to 24 students after the screening test. They were made into 12 teams and was made to participate in the prelims round on 28th February 2019. The 4 teams who scored top in the preliminary round were selected to the finals which happened on 1st March 2019.



Fig. National Science Day Quiz

19. IAS Chapter Inauguration and DLP at SCT

The IEEE SB SCT launched its new chapter Industrial Applications Society (IAS) on 1st March 2019, which was followed by the Distinguished Lecture Program (DLP) by Prof Vassilios G Agelidis. Professor elaborated why renewable energy sources are not stable and the need to have reliable ways. He emphasized on developing more than 100% renewable energy. He also explained the effect of inertia on the dynamic performance of wind tur bines and the need for stabilising the grid and uses of off-grid energy harnessing methods. He addressed every related challenge and classified uncertainty as to the major challenge in renewable energy sources. As a solution, he suggested using electric vehicles (EVs) as mobile power storage could eliminate the need to build costly stationary grid storage for energy from renewable sources. He also suggested the use of synergies by integrating different energy sources. The DLP concluded with an interactive session with students and pro fessionals. The event was very much appreciated by both the students and faculty. The DLP was so illuminating that the participants were keen and glued to their seats. A total of 122 people participated in the program.



Fig. IAS Chapter Inauguration and DLP at SCT

20. IAS Chapter Inauguration and DLP at CET

On 2nd March 2019, the IEEE IAS SB Chapter CET was inaugurated by Chief guest Prof Vassilios G Agelidis, Fellow IEEE and Professor at University of Denmark, Prof Biju K, Secretary IEEE IAS Kerala Section, in the presence of Dr V R Jisha, former Vice Chair, IEEE Robotics and Automation Society, Kerala Section and Dr Sreejaya, Staff Advisor, Power and Energy Society, student branch CET. In the session, he talked about power electronics, energy resources and shared his areas of interest. He told the gathering about the energy efficient technologies that are being used in Denmark. The lecture was followed by an interactive session with Prof Vassilios G Agelidis, wherein students could share their ideas with him as well as ask their queries. A total of 60 students participated in the program.



Fig. IAS Chapter Inauguration and DLP at CET

21. Essay Writing Competition at Musaliar College of Engineering Chirayinkeezhu The IEEE IAS SB Chapter Musaliar College of Engineering, Chirayinkeezhu conducted an essay writing competition for students and IEEE members as part of women's week based on the subject 'Empowerment of women' on 5th March 2019. IEEE staff members Mrs Asmin M K and Ms Shamna A R were the judges of the competition. About 35 students participated in the competition including 10 IEEE members. The winner was Surabhi S of S8 EEE.



Fig. Winner of Essay Writing Competition at Musaliar College of Engineering Chirayinkeezhu

22. Poster Designing

As part of the women's day celebrations, the IEEE IAS SB Chapter UKFCET organised a Poster Design competition at campus level on 6th March 2019. Out of the 17 entries, the best five posters were shortlisted and Mr Kailas Krishna of the first-year Electrical Engineering bagged the First prize. The theme for the contest was 'Women in Engineering'. The winner was presented with prize and certificate by UKF College Deputy Director, Dr R Sujatha during the Hub level Women's day celebrations, Virago 2.0 hosted on 9th March 2019. The prize-winning

poster was displayed at women's day celebration and got good appreciation and feedback.



Fig. Poster Design competition winner

23. Poster Designing Competition at Musaliar College of Engineering Chirayinkeezhu

The IEEE IAS SB Chapter Musaliar College of Engineering, Chirayinkeezhu conducted poster designing competition on the subject 'Women in India' as part of women's week on 6th March 2019. Faculties of the college were assigned the duty of judging the competition. A total of 40 students participated in the competition including 15 IEEE members. Remya of S6 EEE was the winner of the design competition.



Fig. Winner of Poster Designing Competition at Musaliar College of Engineering Chirayinkeezhu

24. Workshop on Photoshop

On 6th March 2019, the IEEE IAS SB Chapter NSSCE Palakkad conducted the first workshop in the year 2019 after the ExCo Handing over Ceremony was the workshop on Adobe Photoshop. The session was conducted with the aim that students come across the exposure of expressing their creative ideas by the means of digital assistants. In the current scenario, digital promotions play a vital role in marketing, amongst the most creative and efficient are being raised by cooperates. Photoshop serves as a lanquage in communicating a detailed de scription of the product/event in a pixelated sheet. The session spoke about creating a digital poster from a blank page using the basic tools and layer masks. The session was greatly appreciated by both the students and faculty. It has immense impact on participants. The workshop was concluded by an interactive session followed by a competition in designing an ID Card. More than 20 students took part in the event.



Fig. Workshop on Photoshop

25. Quiz Competition at Musaliar College of Engineering Chirayinkeezhu

The IEEE IAS SB Chapter Musaliar College of Engineering, Chirayinkeezhu conducted quiz competition as part of the women week covering the areas in general knowledge, engineering and science, current affairs, aptitude and reasoning on 7th March 2019. A total of 60 students participated in the quiz competition. Student coordinators monitored the competition and the staff coordinators evaluated. Ananthu of S6 EEE won the prize.



Fig. Winner of Quiz Competition at Musaliar College of Engineering Chirayinkeezhu

26. International Women's Day Celebration at UKFCET

The International women's day was celebrated by IEEE IAS SB Chapter UKFCET in association with Women's cell at UKFCET on 8th March 2019. The event was filled with the active participation of the girl students in the contests and interaction

during the inaugural session. The program was officially inaugurated by Dr R Deputy Director of UKF Sujatha, College and felicitated by Dr E Gopalakrishna Sarma, Principal and Ms Ramani, Head of Computer Science Department and Mr Sundaresan, PTA Patron. A quiz contest held with girl participants from all branches of all the four years. Also 'Identify the personality' called Aswamedham' was also conducted which was so live and cheerful. The new logo of Women's cell unveiled during the event by the deputy director and the designer was well appreciated on the stage. A total of 60 students participated in the event.



Fig. International Women's Day Celebration at UKFCET

27. STHREE - Women's Day Celebration at Musaliar College of Engineering Chirayinkeezhu

The IEEE IAS SB Chapter Musaliar College of Engineering, Chirayinkeezhu conducted Women's Day Celebration titled 'STHREE' on 8th March 2019. The program was inaugurated by the women members of IEEE. A cake cutting ceremony was conducted as part of this program.

The prize distribution of various events occurred during the women week was conducted. A skit by IEEE students on the topic 'Suffering of Women' was performed and a short film on women empowerment was screened. All the IEEE members attended the event.



Fig. Women's Day Celebration at Musaliar College of Engineering Chirayinkeezhu

28. International Women's Day Celebration at GEC Thrissur

IEEE PELS SB Chapter together with IAS SB Chapter Government Engineering College, Thrissur celebrated women's day on 8th March 2019. The theme for Women's Day 2019 was selected as 'Backstager- The Women Behind the Curtain'. The session was aimed at acknowledging the efforts that a woman put in each and every event happening in our lives, but that goes unnoticed. The meeting was inaugurated by the Chapter Advisor Dr Jaison Mathew. The program was conducted as an experience sharing session. The sessions was greatly appreciated by both faculty and students. The event had a participation of over 40 members.



Fig. International Women's Day Celebration at GEC Thrissur

29. She Tech - College of Engineering Karunagappally

The IEEE IAS SB Chapter CEK in association with Women In Engineering(WIE) conducted a workshop on10th March 2019. The first phase included watching two videos. The videos were very motivational to all the students. Then general idea pitching was done group wise on the topic 'Decomposition of Pads'. The programs were organized to make the students be bolder and more active in this 21st century. The second phase narrated by Gopakumar C, HOD of Electronics and Communication Dept. An interactive session was taken on topic 'Open Source'. It was very informative and perceivable to all the students. Then the session gets down with the workshop on electrical boards.



Fig. She Tech at College of Engineering Karunagappally

At last, the program terminated with the presentation of the idea pitching by the students. There was active participation of 40 students for the workshop.

30. IAS and PELS chapter Inauguration and Invited Lecture Program

The inauguration of IAS and PELS student chapters of IEEE SB Chapter GCEK took place on 11th March 2019. The chief guest of the function was Dr Sanjeeb Kumar Panda, Associate professor National University of Singapore. He inaugurated the function and delivered the inaugural address. A 1-hour lecture session by Dr Sanjeeb Kumar Panda on the topic 'Can a dumb electrical load be made smart using electric spring to mitigate renewable energy source variability issue?' A total of 63 students attended the session. As a token of appreciation, a gift was presented to the guest of honour, Dr Sanjeeb Kumar Panda by Dr Jayaprakash P.



Fig. IAS and PELS chapter Inauguration and Invited Lecture Program at GEC Kannur

31. IEEE PELS Inauguration and Invited Lecture Programme at GECT

The IEEE PELS SB Chapter Government Engineering College, Thrissur was inaugurated on 12th March 2019 by Dr Sanjib Kumar Panda, Professor of National University of Singapore NUS) and PELS Asia-Pacific Regional Chair. In his inaugural address, Dr Panda presented a brief history of the PELS Society and various activities carried out by the society. He stressed the importance of serving the community and the institution back through various programmes connected with PELS such as Empower a Billion Lives competition. The invited talk by Dr Sanjib Kumar Panda on "Can a dumb electrical-load be made smart using electric spring to mitigate renewable energy source variability issue?" was highly enlightening and informative. The talk was followed by an interactive session with the students. More than 40 stu dents participated in the program.



Fig. IEEE PELS Inauguration and Invited Lecture Programme at GECT

32. IEEE PELS Inauguration and Invited Lecture Program at CEK

IEEE PELS SB Chapter College of Engineering Karunagappally inaugurated their PELS Chapter which is a society that covers a broad range of technical fields, including plasma science and applications, nuclear power instrumentation and control systems and soon on 13th March 2019. All the IEEE members eagerly showed their presence in the meeting. The inauguration/launch of the technical chapter was executed by the Chief Guest Sanjib Kumar Dr Panda, Associate Professor at the National University of Singapore by lighting the lamp along with IEEE IA/IE/PELS Jt. Chapter Kerala Section Chair Prof Muhammed Kasim S. The first technical talk was handled by the Chief Guest Dr.Sanjib Kumar Pande on 'How dumb electric load can be made smart' and also he shared his research works to the students to get more interested and motivated in the field of Engineering.



Fig. IEEE PELS Inauguration and Invited Lecture Program at CEK

The second session was taken by Mr Sateesh A V, Radiation Protection Officer, Nuclear Power Corporation of India Ltd on the Working of the Nuclear plant, the precautionary methods undertaken, and about the vision of the plant' which was very informative to the students. The sessions were enriched by knowledge on various technologies and enlighten the students with a better vision. More than 50 students participated in the event.

33. Prelims of QUEST at UKFCET

IEEE IA/IE/PELS Jt. Chapter Kerala Section conducted a two-level quiz competition as a part of Women's day celebration in all IAS SBC's around Kerala. The preliminary level was conducted within the SB Chapters. As a part of it, the IEEE IAS SB Chapter UKFCET conducted the primary level quiz on 15th March 2019. There were about 50 participants from various departments. The event was volunteered by ExCo members. The winner of the competition was Mr Nizamudeen from S8 CSE who secured 17 marks.



Fig. Prelims of QUEST at UKFCET

The second position was shared by Ms Rejitha Raveendran of S6 CSE and Mr Prajith A S of S6 EEE by securing a score of 15. They were selected for the next level quiz conducted by IEEE IA/IE/-PELS Jt. Chapter Kerala Section. The feedback of the participants was highly positive and they actively participated for the same.

34. QUEST at CEK

The IEEE IAS SB Chapter CEK in association with IEEE IA/IE/PELS Jt. Chapter Kerala Section conducted a quiz competition named "QUEST" on 15th March 2019. The quiz was set up as a part of International Women's Day Celebration 2019. The themes of the quiz were women empowerment, technology, space and science. The quiz contained questions from different and unique realms providing a healthy challenge to the students. Each and every student invested all of their knowledge and learning to effective use. The themes guite ef ficiently threw light on the celebration of womanhood and various technological information that enriched the students with a better vision. The event was a areat initiative to involve the students in something worthy and was a great success. A total of more than 30 students participated in the competition.



Fig. QUEST at CEK

35. QUEST at RIT

On 15th March 2019, the IEEE IAS SB Chapter RIT along with WIE under the IEEE IA/IE/PELS Jt. Chapter Kerala Section conducted the prelims of the two-level quiz competition 'QUEST'. More than 40 students participated in the event. The theme created a lot of attention and made the students to understand the value of the time the women spend for both her family society. The students encouraged the volunteers to have an open talk on 'The life of women'. After the competition, they choose Abdul Ahad of S2 EEE and Joseph Pellissery of S2 ECE as the winners and the people to participate in the second level of the competition.



Fig. QUEST at RIT

36. CHATBOT Workshop

The IEEE IAS SB Chapter TKMCE conducted the Chatbot workshop on 17th March 2019 as a pre-event of Hestia'19. The workshop focused on creating a chatbot using DialogFlow. Topics covered were how to create a Chatbot using DialogFlow? and discussion on Intents, Entities, Webhooks in DialogFlow. The workshop enabled the students

to create a helper chatbot and trying and testing the Chatbot at various platforms. The students got an exposure to DialogFlow from this workshop and were able to deploy their own chatbot. The workshop proved to be very informative and motivating for the attendees through the feedback. About 17 students participated in the workshop.



Fig. CHATBOT Workshop

37. Industrial Visit to Load Despatch Centre Kalamassery

An Industrial visit to the Load Despatch Centre, Kalamassery was jointly organized by the IEEE SB and IAS SB Chapter Musaliar Engineering College of Engineering, Chirayinkeezhu on March 2019. The visit gave an insight into understanding the current distribu tion to domestic consumers, factories and also how the parameters travel around the stations. 25 IEEE Student members & 4 faculty members joined the trip. After the visit, the students were taken to nearby Lulu mall and marine drive. At the marine drive, a boat trip conducted. The next was students were taken to the Ernakulam hill palace and Mattancherry.



Fig. Industrial Visit to Load Despatch Centre Kalamassery

38. AR and VR Workshop

Augmented reality and Virtual reality are two of the new and emerging technologies in the world and to enrich the young and inspiring minds with a bit of these two technologies the IEEE IAS SB Chapter UKFCET conducted a two-day workshop on AR and VR on 23rd and 24th March 2019. The workshop was taken by team Quolab led by Mr R S Nithin, IEEE webmaster Asia Pacific region 10, webmaster Kerala section, vice chairman IEEE young professionals. On the first day, participants explored the world of game development. developed participants racing game through Unity and they familiarised with C programming.



Fig. AR and VR Workshop

On the second-day delegates entered into the world of augmented and virtual reality. They become aware of Vuforia SDK, Image targeting and tracking, shooting video in the green mat with 3D effect. A total of 98 students from different colleges participated in the workshop.

39. A Visit to Navajeevan Abhaya Kendram Kollam

A Visit to Navajeevan Abhaya Kedram, Nedumbana, Kollam was jointly organized by ASTHRA 2K19 Musaliar College, IEEE IAS SBC Musaliar College and IEEE Student Branch Musaliar College of En-Chirayinkeezhu on 25th gineering, March 2019. The visit was to find out what kind of help the student branch can do to the needy. Many students and faculties joined the visit. They also brought lunch for the inmates in Abhaya Kendram. The students realised that they were in need of water heaters and TV for entertainment. The Student Branch gave the petition for the need.



Fig. A Visit to Navajeevan Abhaya Kedram, Kollam

40. 'Let's illuminate' - Wiring Competition

As Engineers, it's essential to have working skill rather than academics for becoming more productive in his/her workspace. In order to improve the student's work skills the IEEE IAS SB Chapter UKFCET conducted an electrical wiring competition on 27th March 2019 as part of tech fest Masquerade 2019. It was conducted as an inter-college level competition and many students from different colleges participated in the competition. The competition was conducted as groups with every team consisting of two members. A total of 8 teams partici pated in the competition. Each team was given a specific set of conditions that need to satisfied in their wiring and the competition was time-based. The team who successfully complete wiring the circuit on board neatly and quickly as possible was chosen as the winner of the competition. Apart from this, the maximum time allowed to a team was restricted to one hour.



Fig. 'Let's illuminate' - Wiring Competition

41. Spectrum Talk on 'Energy' Auditing and Sustainable Energy'

On 27th March 2019, the IEEE IAS SB Chapter NSSCE Palakkad conducted a talk on 'Energy Auditing and Sustainable Energy'. The objective of conducting this session was to create awareness regarding the significance of energy conservation and the role of sustainable energy in the contemporary world. The session was handled by Prof Sheela S, a well-experienced faculty of the Electrical and Electronics Department. Energy conservation is growing to be a relevant topic because of the limited availability of non-renewable energy resources on earth. There are certain initiatives that have to be taken to access the needs and stabilize the energy spending day-by-day and there comes the relevance of Energy Audit. It reveals the usage patterns, identifies waste, over expenditure and generally makes us fully cognizant of how the energy has to be utilized. The event had a participation of more than 30 students.



Fig. Talk on 'Energy Auditing and Sustainable Energy'

42. Technical Seminar by Department of EEE and ECE of Musaliar College of Engineering Chirayinkeezhu

As part of Technical Festival conducted on 29th and 30th March 2019, the IEEE PELS SB Chapter conducted three technical talks jointly with the Department of EEE and ECE on 18th March 2019. The Principal Dr C Sam presided over the meeting. The Chief guests were Dr Chinmoy Saha (Chair, APS Chapter IEEE Kerala Section), Dr Apren T J (President R&D centre, NeST Group Trivandrum) and Dr Premlet B. (Chair, Educational IEEE Kerala Activities Section). After the inauguration, Dr Chinmoy Saha talked about 'Recent trends and opportunities in Antenna and EM research'. It was an inspiring talk, gave the students an idea about the working of antenna and growth of antenna era. Dr Apren T J gave a talk on 'Challenges in Space Communication '. The students got an insight into the area of Space communication which was a new and exciting experience. The last talk was taken by Dr Premlet B on the topic 'Quantum mechanics of Nanotechnology'. Including IEEE students, there were 90 students who participated in the event.



Fig. Technical Seminar at Musaliar College of Engineering Chirayinkeezhu

43. Event Launch 'PRAYOJAKA'

IEEE SB ASIET in association with IAS SB Chapter and Alumni Association of ASIET proudly launched the event 'PRAYOJAKA' on 19th April 2019. The proposed event is set to take place on 3rd May 2019. The program is a project expo for the final year BTech students of the institution. The major objective of the program is to make the best brains to come out with flying colours and to let the world know of the unique ideas of the students of the institution. Innovative projects from various departments of the college are invited for the contest. These projects then compete against each other and the winner is given the title of Exciting project. the best rewards will be given to the winners of the event.



Fig. Event Launch of 'PRAYOJAKA'

44. ELEKTRA 2019

A three-day technical summit 'ELEKTRA 2019' from 5th to 7th April 2019 was coordinated by Department of EEE in association with IEEE PES and IAS SB Chapters College of Engineering Munnar. The event was inaugurated on 5th April, by Mr Jabir Mudambra, Electrical inspector

Idukki District. It was followed by a technical session by himself on the topic 'Electrical Safety'. There were two parallel workshops on Installation of Solar PV systems and Blockchain. The workshops were handled by experts from the respective fields The proceedings of day started with an the second industrial visit to Solar-Powered Microg-Marayoor and Hydro Electric Power Station, Mattupetty. The third-day program started with a sunrise trekking. It was one of the major attractions of the event and made the joy of the delegates at its peak. The trekking was followed by a session on 'Entrepreneurship' by Er Sonia Mohandas, CEO, Waferchips techno-solutions. The 3-day programme ended up with lunch and a photo session.



Fig. ELEKTRA 2019

45. Weekly Online Quiz

The IEEE SB ASIET in association with the IEEE IAS SB Chapter conducts a weekly online quiz for the students of ASIET every Friday. The aim of the weekly quiz is to build a world of knowledge for the students of the institution. Once the question is uploaded, the link to the quiz

along with its opening and closing time is circulated to each and every department groups of the institution. When the link opens, the students can enter the link. A single question is asked every week which can be a multiple choice question or of a short answer type. The candidate has to submit the answer and the responses are recorded. The link is closed at the closing time and every response is evaluated. The weekly responses are recorded and the students are rewarded with exciting prizes at the end of the year.

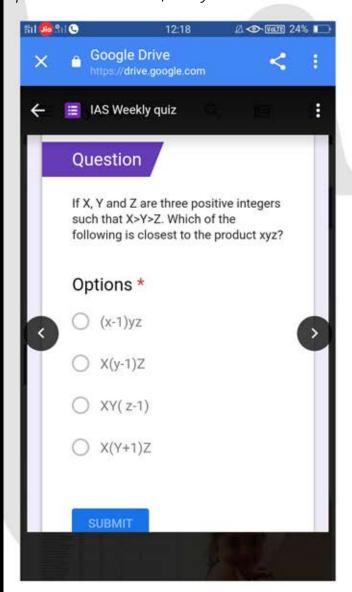


Fig. Weekly Online Quiz

UPCOMING EVENTS

JUNE 2019

- PELS DAY CELEBRATION - JUNE 20

JULY 2019

- CODING CONTEST TRAINING PROGRAM
- 5 DAY INTERNSHIP ON POWER ELECTRONICS AND SOLAR POWER SYSTEMS
- 10 DAY GRID ENGINEER COURSE

AUGUST 2019

- CODING CONTEST
- WORKSHOP, IAS SBC AMAL JYOTHI ENGINEERING COLLEGE INAUGURATION AND TECH TALK BY SHELDON WILLIAMSON

OCTOBER 2019

- IAS DLP BY NIWAS SINGH
- WORKSHOP ON SOLAR PROJECT BY Er. C M VARGHESE

JANUARY 2020

- IEEE PESGRE 2020

FEBRUARY 2020

- PELS DLP BY Dr. PAOLO MATTAVELI



IEEE PESGRE 2020

ABOUT PESGRE2020

The IEEE International conference on "Power Electronics, Smart Grid and Renewable Energy (PESGRE 2020)" is a new biennial conference sponsored by IEEE Industry Applications society, Power Electronics Society, IEEE Kerala section and IA/IE/PELS Jt. Chapter Kerala. The conference is intended to provide a major forum for the exchange of information among practicing professionals from all over the globe in the areas of Power Electronics, Motor Drives & Electric Vehicles, Smart grid & Renewable Energy. These subjects have assumed greater importance today due to current emphasis on smarter and more efficient power converter systems and the scope of the conference include all aspects of the design, manufacture, application and marketing of systems in this area.

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PAPER SUBMISSION

Authors are invited to submit 6 page full paper in standard IEEE format for review. More details are available in the conference website.

ABOUT THE LOCATION

Cochin is the biggest city in Kerala, a south Indian state better known as God's own Country for its pristine beaches, tranquil backwaters, lush hill stations, sprawling plantations, enchantingart forms, and a high quality of life. The city enjoys unique geographical features that have made it one of the most sought-after tourist destinations in India and is often called "The queen of Arabian Sea".

IAS A





IMPORTANT DATES:

Paper submission opening date:

01 June 2019

Notification of Acceptance:

01 October 2019

Paper submission closure date:

01 September 2019

Camera-ready Paper:

01 November 2019

Venue:

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