



NEWSLETTER

INDUSTRY APPLICATIONS SOCIETY STUDENT BRANCH CHAPTER



COLLEGE OF ENGINEERING KARUNAGAPPALLY

EDITION I

IEEE STUDENT BRANCH COLLEGE OF ENGINEERING KARUNAGAPPALLY

Table of Contents

1.What's new ?.....	3
2.Society events	4
3.Upcoming Events.....	17
4.About Us.....	18
5.Contact Us.....	18



What's New ?

“One Small Step For Man, One Giant Step For Humanity”

The words that were followed by a revolution reminds the fact that we are growing not as a person but as a community. We the members of Industry Applications Society Chapter of IEEE SB CEK came up with ideas, drew better plans and executed them. In this Newsletter We present to you, the reader, our efforts in the growth of the chapter as well as ourselves.

This newsletter showcases the events conducted by IAS Chapter in IEEE SB CEK during the period of February 2019 to August 2019., under the supervision of our visionary Advisors and Student Branch Chair and our beloved Industrial Applications Society Chapter Chair.

Thank you for reading this issue of the IEEE Industry Applications Society Student Branch Chapter of College of Engineering Karunagappally. If you have any suggestions, we would like to hear from you at iasieeesbcek@gmail.com



IAS SOCIETY EVENTS

1. Annual General Meeting 2019

IEEE student branch College of Engineering Karunagappally has decided to conduct the annual general meeting on 2nd March 2019 at the College Seminar Hall (CS Dept) from morning 9 am. The meeting was started by a silent prayer followed by the IEEE Code of Ethics delivered by our Former Chairperson 2018 Miss. Anukrishna A J (S8 CSE).Our student branch counsellor Mrs. Sabeena K(Asst Prof ,Dept of CSE) welcomed the gathering. The presidential address was persuaded by our beloved Principal Dr. Jaya V L. The chief guest of the meeting was our former SB counsellor who won the best counsellor award 2018 .By the proper evaluation and multiple interviews ,an effective executive committee was selected and the Former chairperson Miss Anukrishna A J introduced the current chairman Mr. Akshay Krishnan to the fellow volunteers. The AGM gave a vivid glimpse of the importance of various societies including the inevitable contribution of IAS. The following Students are elected as new office bearers of IEEE SB CEK.



Positions	Office Bearers
Chair	Akshay Krishnan(CSE S6)
Secretary	Sherin Cherian (CSE S6)
Treasurer	Aparna P V (ECE S6)
Link Rep	Firdouse K (CSE S6)
MDO	Navami S Raju (EEE S6)
Vice chair	Ganga G S (EEE S4)
Joint secretary	Rafiya Al Ebrahim (CSE S4)
Joint treasurer	Nima S (ECE S6)
PES	
Chair	Hari Prasad (EEE S6)
VC	Riya Elizabeth(EEE S2)
Sec	Archa Sudhi (EEE S6)
RAS	
Chair	Sajna Mohammed (ECE S6)
VC	Hemanth (ECE S4)
Sec	Anjana Aruldas (CSE S2)
CS	
Chair	Arun Sreenivas (CSE S6)
VC	Rahul V T (CSE S4)
Sec	Jithin Sivaprasad (EEE S4)
IAS	
Chair	Jayaraj N R (CSE S6)
VC	Midhun(ECE S4)
Sec	Amitha A Nair(CSE S2)
WIE	
Chair	Varsha B S(ECE S6)
VC	Aparna Krishnan (ECE S4)
Sec	Jemi Jose (CSE S2)
PELS/NPSS	
Chair	Akhil Ahammed(EEE S6)
VC	Cliffin Cletus(EEE S2)
Sec	Deepa Girija Pillai (CSE S2)
EC Coordinator	Sudeep(CSE S4)
Workshop Coordinator	Abhijith (EEE S4)
Activity coordinator	Adhil(EEE S4)

Webmaster	Akshay Krishnan(CSE S6) Hariprasad(EEE S6)
PROFESSIONAL MEMBERS	
COUNCELOR	SABEENA K
ADVISOR	HASEENA P Y
STUDENT MENTOR	ANANDHU S KUMAR (Former Chair IEEE SB CEK)



2. ROBOTIC Workshop

IEEE SB CEK Robotics and Automation Society takes keen interest in enriching students with robotics skills. Along with that IAS is bound to inculcate and nurture every aspect of technical development in the students. RAS and IAS always concentrate on updating students with latest technologies. So as a part of introducing robotics to the first years who are going start their engineering journey, a workshop was conducted on the informative familiarisation of robotics on 20 and 21 February 2019 at Network Lab, Resource person Akshay Krishnan. The workshop was taken by our student who is technically very well skilled. It was very useful and productive for the students. By these students were motivated by the thought that they also can make robots which can be used in our daily life. Workshop includes Arduino connections, setting Wi-Fi module and Bluetooth module, connecting sensors and some basic connections. The students were trained in such a manner that they could be able to make robots from scratch. Rather than the way of talk waste sections the workshop includes more practical sections so that everyone can experience the feel. The students were very much satisfied with the workshop that they were eagerly asking to conduct such workshops. It could convey the need of robotics in the coming generation and its applications. Even though it was a two-day workshop its impact was unmeasurable and the contribution in association with IAS was undoubtedly the need of the hour.

Outcome: By this workshop the students were encouraged, and they could participate well in the national IEEE event Robothon 5.0 at college of engineering chengannur



3. ExCom Training

IEEE Student Branch College of Engineering Karunagappally is one of the vibrant student branches in Kerala. On February 28th the Student Branch in association with IAS refuelled the executive members positions with new ones. To be the best and to bringing the best from them we gave them a effectual training. The training period lasted for 2 days and the session were handled by the student branch mentor Mr. Anandhu S Kumar, pillar of strength for our Student Branch.

The 1st day of training embodied the session regarding the way which report writing, and event reporting is set out, familiarization of v tools and a technical session based on Solar panel system. An intensive discussion and activities regarding solar panel installations were organized for the beginners. The students were given a deep insight into the importance of IAS society and its advantages in IEEE.

2nd day of training composed of a session to deliver a idea regarding the funding scheme that are provided by IEEE for the advancement of society. The actions required for engage in such activities were covered in that session. With an inspirational speech from our Student Branch counsellor Ms Sabeena K the session came to end.



3. SHE-TECH SERIES

IEEE Student Branch, College of Engineering Karunagappally (IEEE SB CEK) in association with Industry Applications Society celebrated Women's day celebration on 10th March 2019. The program was started by the inaugural address by our Student Branch Advisor Dr. Haseena P Y (Assistant Professor Electrical & Electronics Engineering Department).

First phase continued watching 2 videos. First video was about bold is beautiful and second on Tips for women. The videos were very motivational to all the students. Then general idea pitching was done group wise on the topic "Decomposition of Pads in Eco-friendly manner". The programs organized as per the students to be bolder and more active in this 21st century.

As the second part of tremendous Women's Day celebration a workshop based on 'Open Source Hardware-Arduino' was exclusively organized for girls. The workshop was handled by Dr. Gopakumar (Head of Department Electronics & Communication Engineering). There was an active participation of 60 students from all of the department from college. The session effectively delivered the clear idea of Arduino to the attendees. The session came to an end by the vote of thanks expressed by Student Branch Chairperson Mr. Akshay Krishnan.



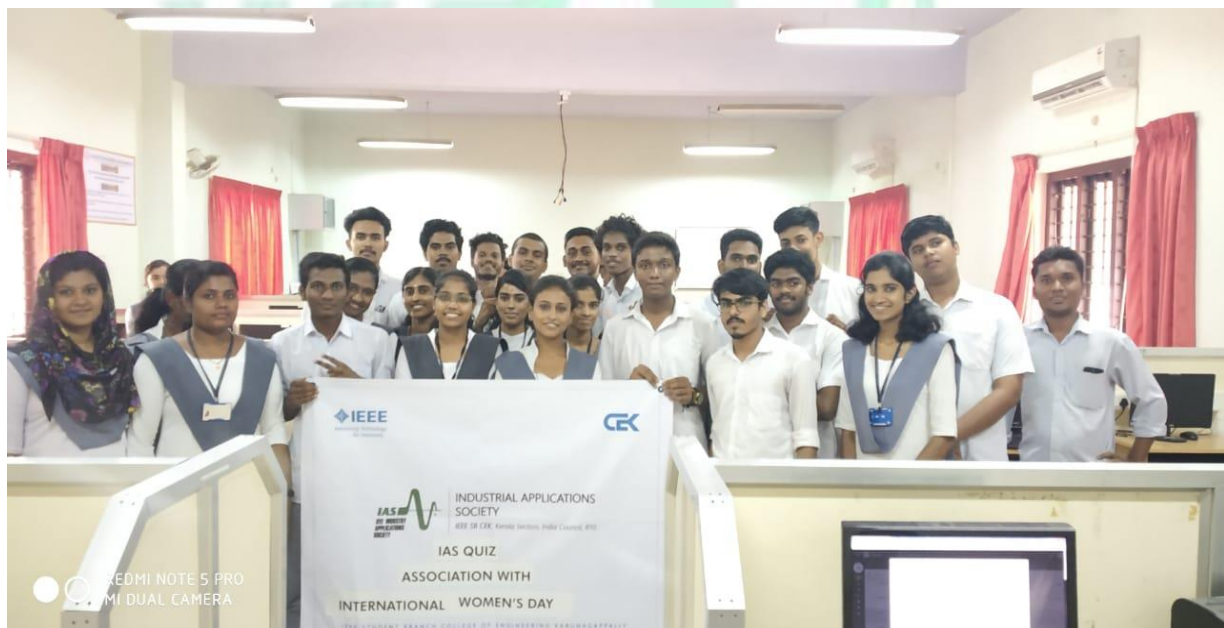
4. CONTENT MANAGEMENT SYSTEM WORKSHOP

IEEE Student Branch, College of Engineering Karunagappally (IEEE SB CEK) in association with Industry Applications Society conducted a CONTENT MANAGEMENT SYSTEM workshop on 11th and 12th March of 2019 as to enhance the young ignited technical minds. The two days workshop was conducted under the guidance of Mr. Arun Sreenivas (Chairperson Computer Society IEEE SB CEK) & Mr. Akshay Krishnan (Chairperson Student Branch IEEE SB CEK, Former chapter chair IEEE SB CEK) the expert hands of CEK in web designing. The workshop was inaugurated by our beloved IEEE Student Branch Counsellors Mrs. Sabeena K. The first day of the workshop was focused to develop the knowledge regarding the essential packages, tools& coding required for designing. At the same itself we began the developing of a website by the attendees. By the end of second day the attendees were able to design a website completely. The workshop was turn to great success with the participation of 28 students.



5. QUEST- IEEE IAS QUIZ

The IEEE SB CEK under the prestigious IAS society conducted a quiz competition named "QUEST" at computer lab from 12:45 pm -1:45 pm on 14th March 2019. The quiz was setup as a part of International Women's Day Celebration 2019. The themes of the quiz were "women empowerment", "technology", "space and "science". The whole event was effectively handled by the IEEE SB CEK Secretary: Sherin Cherian while the questions were narrated by IEEE SB CEK Joint Secretary Rafya Al Abraham and Treasurer: Aparna P V. Other IEEE volunteers were immensely involved in offering any kind of help the Students needed. 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 quite efficiently threw light on the celebration of womanhood and various technological information that enriched the students with a better vision. The event was a great initiative to involve the students in something worthy and was a massive success!



5. INDUSTRIAL VISIT TO KMML CHAVARA

The IEEE SB CEK in association with Industry Applications Society conducted a visit to the Kerala Minerals and Metals Ltd. one of India's prestigious public sector organizations operating under Indian Space Research Organization (ISRO) and Defense Research Development Organization (DRDO).

The student members including 2 faculty members visited the Kerala Minerals and Metals Ltd. Chavara on 25th March 2019. The unit is focusing on Titanium dioxide mining, separation of synthetic rutile and pigment separation production plant.

At first we were taken by an employee and gave a brief explanation about pigment production plant and also made all of us aware of safety measures that need to be followed. Later we were guided by another staff and he gave explanations about functioning of

1. Chlorination.
2. Oxidation.
3. Slurry formation.
4. Filtering/washing.
5. Pigment surface treatment and finishing.

And the session concluded with a meal.

Then we were taken to mineral separation plant by Mr. Sudharshan, production manager of Mineral Separation Plant. Explained the plant's functioning. There we saw the mineral-rich sand taken from captive beaches for separation of ilmenite, rutile, monazite, sillimanite. MS unit employs gravitational, magnetic and high-tension electrostatic technique for separation of minerals from the sand. At last students expressed their thanks to officials for the tremendous opportunity given. The visit contributed lots and lots of beneficial informative about advanced mining technologies and all of the information considered to be useful for recruitment opportunities for such industries and also help us to acquire theoretical and practical knowledge.

6. IEEE COUNSELLING DESK 2019

IEEE IAS Student Branch Chapter exclusively organized a counselling desk for the first year students. The counselling desk was open to the first-year students on the 9th, 10th, 11th and 12th of July from 9.00am to 4.00pm. It was held at the administrative block, near college office. It was aimed to furnish an awareness on IEEE and its benefits to student members. After their admission procedures, the students were called to the counselling desk and the volunteers at the desk gave an overview on IEEE and it's, it's benefits to student members, our student branch and our achievements. Four student volunteers were present at the desk every day to counsel the students.

Day 1 (09/07/2019)

The desk was opened at 9.00am. 7 students appeared at the desk, out of which 1 paid the complete registration fee (Rs. 2600) and 1 gave a temporary registration fee of Rs. 300.

Day 2 (10/07/2019)

A total of 20 students appeared on the second day, out of which 1 gave the full payment and 9 registered temporarily. Most of the students seemed interested and assured to register after the orientation class.

Day 3 (11/07/2019)

33 students appeared on the 3rd day, out of which 8 registered temporarily. Around 20 minutes of counselling was given to each student to ensure that they get an overview on IEEE and its benefits.

Day 4 (12/07/2019)

14 students appeared at the desk on the final day of counselling. 2 of them paid the full payment and 3 enrolled for the temporary registration.

The IEEE counselling desk 2019 witnessed an overall positive response from the students as most of them seemed interested and assured to registered after the official orientation class. The volunteers provided a brief but a solid overview on IEEE and its activities within the given short time. Out of the 74 students appeared at the desk, 25 either paid the full amount or enrolled the temporary registration.



6. IEEE ORIENTATION 2019

IEEE Student Branch College of Engineering Karunagappally successfully organized the "IEEE Orientation 2019" for the beginners of BTECH Degree on August 11th, 2019. The event was conducted at the Administrative Block's seminar hall. The hall was filled with enthusiastic, diligent students from various departments. The code of ethics, to begin with was conveyed by the student branch chairman Mr. Akshay Krishnan. A session about "benefits of being an IEEE member" was delivered by the SB Chairman Mr. Akshay Krishnan. A talk about "3d printer" was put forward by Mr. Akash S, 2nd year student, College of engineering Karunagappally. Later a detailed class about "Drone-assembling and working" was taken by Mr. Cliffin Cletus, vice chairman, NPSS /PELS Jt chapter. The event came to conclusion with a gaming section. Prizes were distributed among the winners. Eventually every student in the hall ensured to be an IEEE member and was enlightened with knowledge



6. Student Professional Awareness Symposium (SPAS)

Student Professional Awareness Symposium (SPAS) was an initiative taken by IEEE SB CEK in association with Industry Application Society to render aspiring professionals an exposure of the professional world by providing them a platform to interact and learn from thriving professionals. SPAS was held at College of Engineering Karunagappally on 23rd 24th and 25th of August 2019. It unveiled the possibilities students can explore in their near future.

24/08/2019

The first SPAS session began with an inspiring session on "How to be a good volunteer" by Er. Nandhan S, chair SAC Kerala Section. It helped the students to analyse themselves to be a better volunteer, to experience the pleasure in serving others. It was followed by a technical session by Indian Rare Earth Minerals Ltd. (IREL). They shared the procedures and processes that they follow in producing their products. Then was a session by prof. Deepa AK, secretary of WIE, Kerala session, on ' how to write a technical paper '. She discussed everything one should focus while writing a technical paper as pursuing engineers, explaining the important points one should heed. Er. Staji Wilson, Young Professional IEEE Kerala Section handled an interactive session on 'IEEE opportunities and leadership'. She ignited a thrust to explore the opportunities in IEEE taking her own experience as an example. That concluded the SPAS sessions of the day creating more opportunity to inspire and interact.



25/08/2019

The next day of SPAS sessions began with a technical session by Mr. A V Sathish, scientific officer at Kudamkulam Nuclear Power Plant on "power transmission and opportunities in power transmission at nuclear power plant". With his 28 years of experience in the field, he talked about the current technologies and the possibilities we could explore in the near future. The forenoon session of the day was a young professionals interaction session. Er. Anish M S, an active IEEE Power and Energy Society Young Professional, handled the first session on "higher education and career opportunities". He talked

about the possibilities in higher education in India and abroad and the career options that follows. The session was followed by another YP interaction session by Er. Shyam Pradeep Alil, entrepreneur and YP volunteer, IEEE Kerala Chapter, on "entrepreneurship". He shared his experience on growing from a student to an entrepreneur at a young age. His session was an inspiration on how to establish an idea.



UPCOMING EVENTS

As a vibrant and new chapter we are eager to conduct as much as of quality programs under Industrial Applications Society. We are eager to provide the full benefits of our society to our members in helping them acquire as much knowledge and skill for their upcoming endeavors . We plan to conduct Industrial Visits, Distinguished lecture Programs and competitions and workshops to our fellow members we hope to see a better future even in the hardest of times and strive to work for it.

We thank the reader in giving your valuable time concerning the activities coordinated under our Student Branch and also hope to see you in any of our upcoming activities. We will also ensure that we deliver quality programs periodically.

**IEEE INDUSTRY
APPLICATIONS
SOCIETY**

*Linking
Research
to Practice*

ABOUT US

IEEE Student Branch College of Engineering Karunagappally (STB 03951) is one of the oldest IEEE student branches in Kerala section, 4th branch in Travancore hub. And It is the second IEEE Student Branch in Kollam (Quilon) district. The group came into function on May 2001, in the early history of the institution. Student members of CEK take active participation in the IEEE meetings and workshops, earning many prizes and awards. In 2010 the group started a WIE (Women in Engineering) affinity group now has 7 technical societies.

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