



NEWSLETTER

INDUSTRY APPLICATIONS SOCIETY STUDENT BRANCH CHAPTER



COLLEGE OF ENGINEERING KARUNAGAPPALLY

EDITION II

IEEE STUDENT BRANCH COLLEGE OF ENGINEERING KARUNAGAPPALLY

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What's New?

“If we did all the things we are capable of, we would literally astound ourselves.”

The mind of a Visionary reminds the true potential of each individual. We the members of Industry Applications Society Chapter of IEEE SB CEK came up with ideas, drew better plans and executed them. It was time to take on some action and be ahead of others. We present to you, the reader, the vivid activities conducted as an illustration of our capability.

This newsletter showcases the events conducted by IAS Chapter in IEEE SB CEK during the period of March 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 ieeesbcek2000@gmail.com

CALL FOR PAPER

International Power and Renewable Energy Conference 2020 is accepting Papers now.

LINKS

[WEBSITE](#)

[Call For Paper](#)

[Paper Submission](#)

[Registration](#)

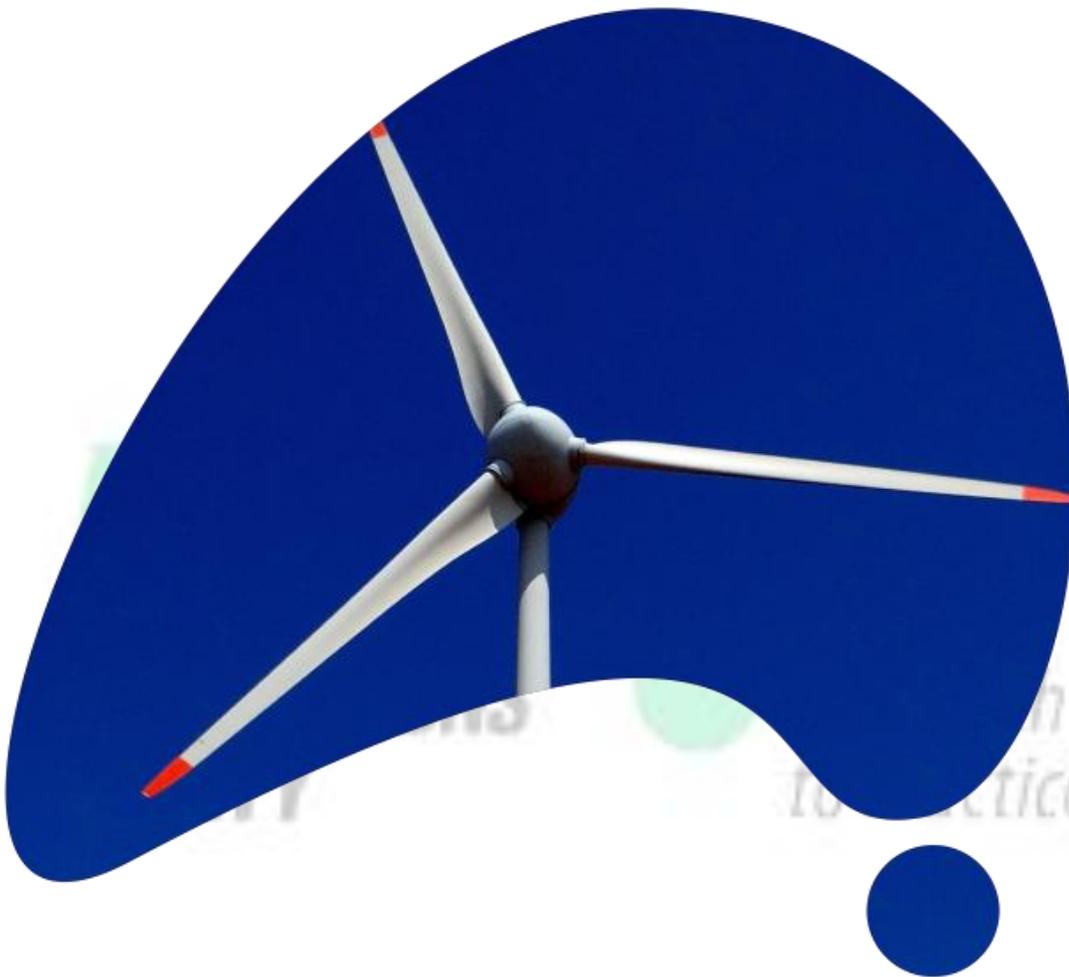
[Contact Us](#)

Please Refer to Upcoming Events Section for further Details.

FEATURED EVENT

International Power and Renewable Energy Conference 2020

24th, 25th and 26th July, 2020



INDIA'S FIRST IEEE IAS CLUB OF 6 TECHNICAL PAPER CONFERENCE

IEEE IAS Student Branch Chapter College of Engineering Karunagappally,
Kerala, India

Technical
Sponsorship by



IAS TRAVEL GRANTS

1. EXPERIENCE IN BEIJING, CHINA

EVENT : IEEE Women in Engineering International Leadership Summit 2019

VENUE : Beijing, China

Travellers : Sherin Cherian, IEEE SB CEK

Sajna Mohammed, IEEE SB CEK

With the anxiety of flying for the first time, me and my friend Sajna Mohammed were so excited on the day of our departure from Cochin International airport to Singapore since we got only Connection flight to Beijing. The journey started on 4th September at 1:30 am from Kochi, the Transit in Changi International airport, Singapore was a great experience and reached Beijing Capital airport at 11pm.

The flight time was at 1:30am from Cochin International airport, myself with my family and Friends reached airport by 10 pm and the immigration process were completed by 11:30pm. The boarding time was at 1:00 am and the flight took off by 1:30 am since it was my first flight, I enjoyed each moment in the flight and arrived Beijing Capital airport at 11pm. We reached the hotel by 12am on 5th September. The Inaugural ceremony was on 6th September. Afternoon 1:30 pm and the program starts with Opening & Welcome sessions by Ning Hua, IEEE Asia operations, senior Director, Lishuang Feng, IEEE Beijing section WIE Coordinator and Yajie Liu, Inno Ecos VP. This was followed by several interesting sessions such as Change the world! to be a change maker by Eni Yano, IEEE WIE Region10 chair, finding your voice by Lin Gao, Message Coach CEO, Writer, Engaging Tech for Good by Jing Dong, Institute of Automation, CAS, IEEE R10 HAC Chair, etc.



After these interesting sessions they give us a sweet coffee and after the tea break, next session was a panel discussion. After the panel discussion several technical sessions was held such as Tech Has No Gender, Power women in power community, etc. and the day ends with a beautiful net working session with delicious food and drinks. After the event we travel back to our hotel by Subway. In the 2nd day we have arrived at the venue earlier and the day started with an interesting talk by Toshio Fukuda, IEEE 2020 President on the topic “Community and career creation in IEEE”. This talk Help us to understand more about the different opportunities of IEEE and different sessions were held after this session. Around 11 sessions, 2 panel discussions and 1 lucky draw was held at the 2nd day. From 2 panel discussions one was interesting. It was conducted by four young girls which have the age between 10 & 18. From that discussion we can understand more about the new young views on technology, their common problems. To explore more, me and my friend Sajna take a day to visit Beijing.

We started from our hotel at morning 6 am, Our first destination was to reach at the ticket counter to get the entry pass to The great Wall of China and after a traditional lunch we set out to the Forbidden city which glorified the ancient Chinese culture. And were ached back to our hotel by 7 pm. The return flight from Beijing capital international airport was at 8:55 am on 9th morning to Singapore Changi Airport. The 4hours layover in Changi airport was well spent in duty free shops and our flight took off to Kochi by 8pm (Singapore time) and reached Cochin international airport by 10pm on the same day



2. IAS ANNUAL GENERAL MEETING AT BALTIMORE, USA

EVENT : IAS Annual General Meeting

VENUE : Baltimore, USA

Travellers : Akshay Krishnan, IEEE SB CEK

Our SB Chair Got travel grant to attend IEEE IAS GM at Baltimore, USA to receive the global 1st Award in website contest.

Mr. Akshay Krishnan our Student Branch Chairman is a very active IEEE volunteer whose dedication elevated the quality of our Student Branch. He is the winner of the Global Website Contest organised by IEEE IAS for developing the IA/IE/PELS Jt. Chapter Kerala Website and he was invited to Baltimore, USA to attend the IAS GM also to receive his contest award. Our Student Branch of College of Engineering Karunagappally received 'Region 10 Exemplary Student Branch Award 2018' and 2019, this would have been impossible without his efforts, dedication and tenacity. He was successful in initiating ITIPS (IEEE Technical Quality Improvement Program) at our institute and took initiative in introducing Industry Application Society (IAS) which added the essence and gave a lift to our Student Branch. His technical knowledge is sky high and he is the Web master of IA/IE/PELS Jt. Chapter Kerala Section. He was indeed the master mind behind two successful National Level Events: Luxathon 1.0 and WIPS; which grabbed the attention and influenced not just the student but also the professional community and he received appreciation for his technical knowledge from PES Headquarters, India Council Kerala Section and other eminent professionals.



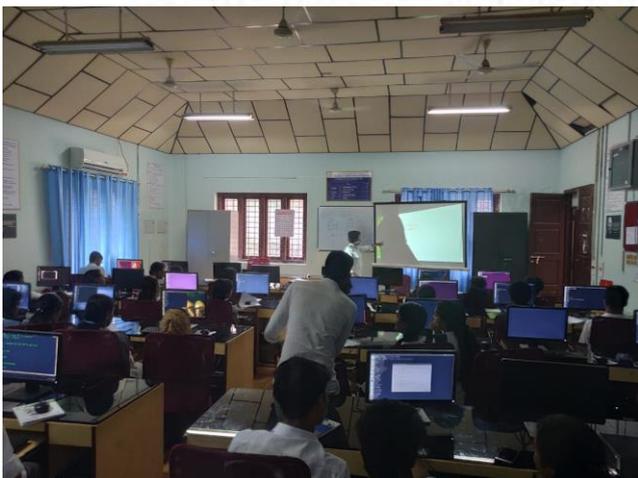
IAS SOCIETY EVENTS

1. Introduction to Python Programming-Workshop

IEEE SB CEK in association with Computer Society and Industry Application Society always takes keen interest in enriching students with programming skills. As a part of it, a workshop on " Introduction to Python" for the first-year students on 19,20 and 21 September 2019 at programming lab, Resource Person Akshay Krishnan and Arun Sreenivas. The workshop was taken by technically skilled students from our own SB. It was a 3-day workshop which includes general introduction to programming and its basics, different data types, basic arithmetic operations and differentiating between Linux and Windows.

It was a trailer for their programming exploration. Around 40 students attended the Workshop. It mainly focused on moulding base of programming in the students, without a strong base a good programming career can't be built in it. The workshop was for all branches of students as programming plays an important role in the field of engineering. Students were trained in such a manner that they can now do basics programs by their own .Even though it was a 3 day workshop its impact was unmeasurable as many of the students were using programming language for the first .Now students are well aware of the two operating systems (windows and Linux). The fervour driving the students towards more of such learning encouraged the IAS to conduct further enriching workshops.

Feedback from the students was very enlightening and encouraging for the IEEE coordinators to conduct such programs in the future.



2. IEEE Day Celebrations and Technical Talk

IEEE Student branch College of Engineering Karunagappally is association with IAS, organized multiple sessions on 4th October 2019, in association with IEEE DAY Celebrations 2019. We started the celebration by having a sweet piece of cake. The cake cutting ceremony was held with the presence of the IEEE student branch Counsellor Mrs. Sabeena K.

After as organized, session for high school students at Sree Buddha Central School, Karunagappally. A group of IEEE members led the session about distinct topics for the students. The session mainly comprised of talk related to 3D printer, radioactive waste management and Women in Engineering.

The first session started by morning 9 am The talk about "**3D Printer**" was introduced by Hari Prasad, Chairman, PES Chapter, IEEE SB CEK. The session include familiarization of its components, uses etc. and also demonstration sessions were conducted to adapt the entire 3D printing Process. A live prototyping took the attention of all the ignited minds who showed up.

Akhil Ahammed, Chairman, NPSS /PELS Jt chapter and Cliffin Cletus, vice chairman, NPSS /PELS Jt chapter delivered a talk on "**RADIOACTIVE WASTE MANAGEMENT**". The session begin with an introduction to Radioactive Materials: 'Radioactive waste is usually a by-product of nuclear power generation and other applications of nuclear fission or nuclear technology, such as research and medicine' and the current radioactive waste management techniques of segregation and storage for short-lived waste, near-surface disposal for low and some intermediate-level waste, and burial in a deep geological repository or transmutation for the high-level waste were well explained.

The students were brimmed with enthusiasm and curiosity. They studiously listened and noted down vital details. Promotion of more women in technical field was presented through slides by our two prominent IEEE members who attended IEEE WIE ILS Beijing, Miss Sherin Cherian, Secretary, IEEE SB CEK and Miss Sajna Saji, Chairman, RAS Chapter. The session includes many interactive talks and idea pitching on "**How high school girls can make difference in society**" exclusively put forwarded by Industry Application Society. This was also a part of the ITIPS initiative of IEEE SB CEK, focusing on the technical enhancement and skill development for School children.

A total of 50 students attended the session and gained knowledge. We are currently involved in more works as a part of IEEE day celebrations and we would love to share away our eminent work soon.



IAS
IEEE INDUSTRY Linking

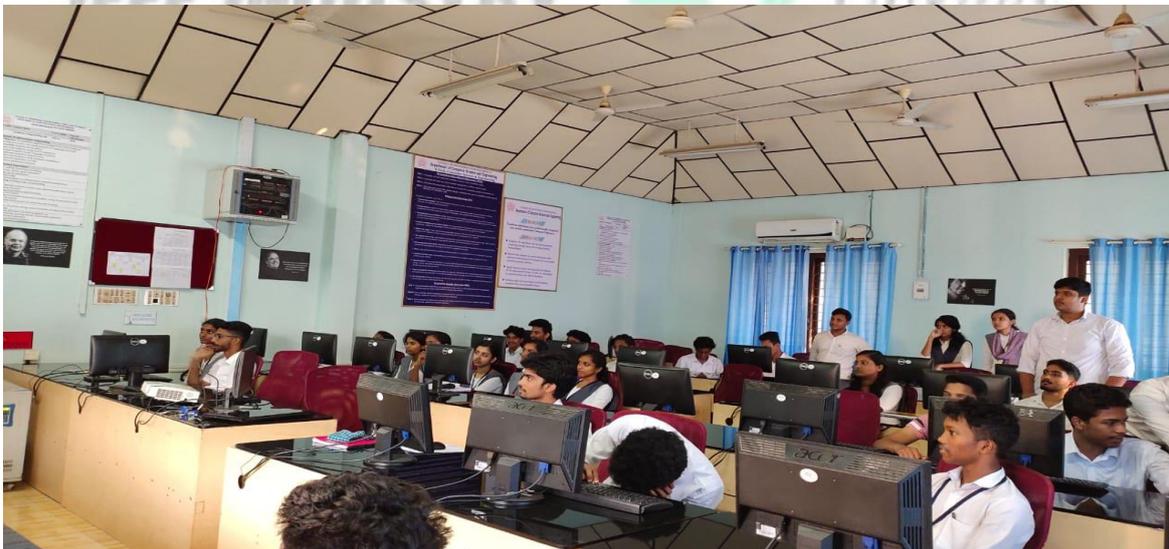


3. ITIPS – Sree Buddha Central School

The IEEE Student branch College of Engineering Karunagappally in association with Industry Applications Society, organized a 3D Printing Workshop as part of IEEE Day Celebration at the nearby **Sree Buddha Central School**, with the use of their **Atal Tinkering Lab**. A total of 40 Students attended the session in which the basic working of a 3D printer, its components, uses etc. were described and demonstration sessions were conducted to familiarize the entire 3D printing Process. This was Part of the **ITIPS (IEEE Technical Quality Improvement Program)** initiative of IEEE SB CEK, focusing on the technical enhancement and skill development for School children.

3. PHOTOSHOP AND DESIGN WORKSHOP

IEEE Student Branch College of Engineering Karunagappally is always concerned with boosting the technical qualities of the student member. The next in the row of workshops was based on Photoshop and Poster Designing in association with Women in Engineering Affinity Group of IEEE SB CEK on 10th November 2019. 25 members were moulded by the workshop handled by Hari Prasad (Chairperson, IEEE PES SBC CEK) and Mr. Akshay Krishnan (Student Branch Chairperson, Webmaster). The workshop gave a vital informative regarding poster designing and photoshop which was much beneficial one.



UPCOMING EVENTS



International Power and Renewable Energy Conference 2020

24th, 25th and 26th July, 2020

International Power and Renewable Energy Conference (IPRECON 2020) is an integrated crate for the young students and professionals all over the world to embed the technical quality. The conference emphasizes the international environment for sharing of knowledge in our domains, connect yourself to the industrial professionals and multi-disciplinary discussion on the latest advances. The conference has session from over our diverse technical committees which cover the complete spectrum of industrial applications

Focus area of the conferences are Power Electronic Converters and Control Systems, Wide band gap devices, Electric machines and drives, Renewable energy Resources, Distributed generation and Grid Interconnection, Electric Vehicles, Energy Storage & Battery Charging Techniques, Power Quality issues, Microgrid & Smart grid, Lighting technologies, Energy Policies & Standards. All Presented papers will be published in IEEE Xplore

Important Links :

Website : <http://iprecon2020.org/>

CFP : <http://iprecon2020.org/assets/ipreconcfp.pdf>

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.

CONTACT US

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