



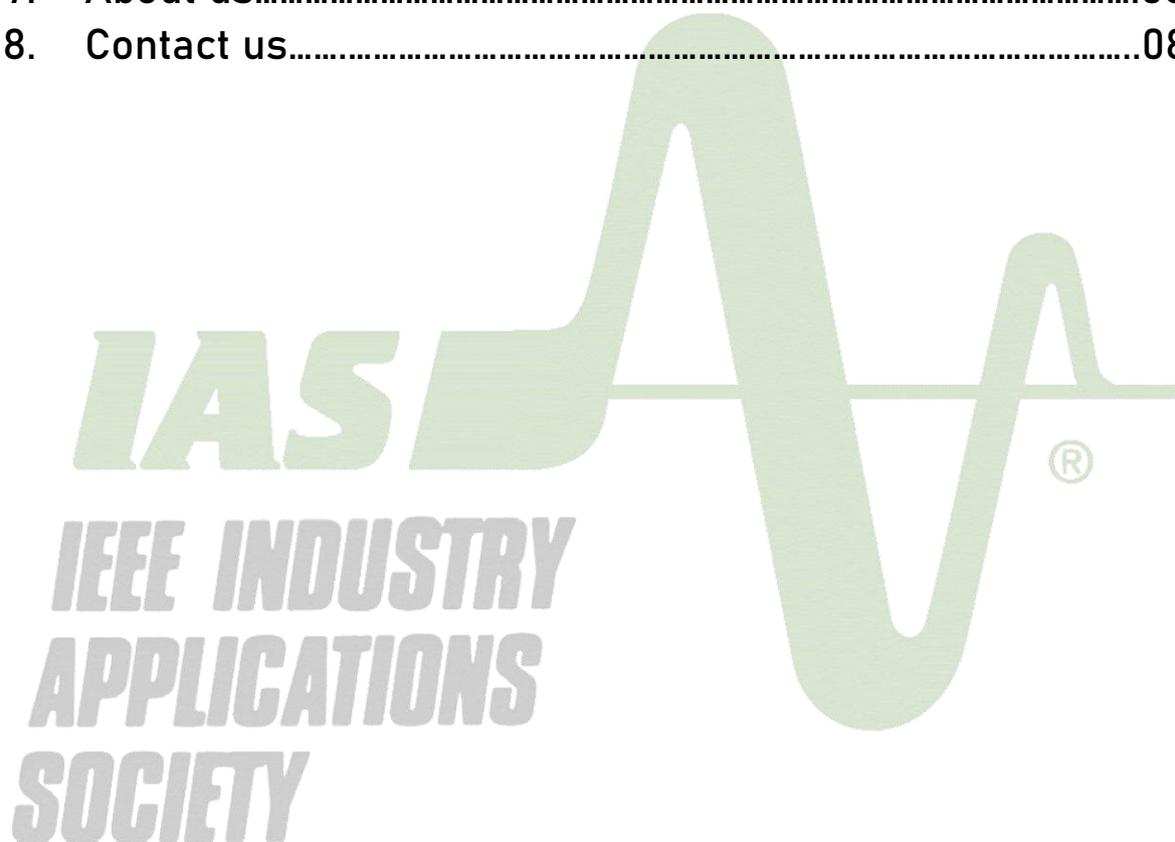
NEWSLETTER

INDUSTRY APPLICATIONS SOCIETY
STUDENT BRANCH CHAPTER
COLLEGE OF ENGINEERING
KARUNAGAPPALLY

EDITION I

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1. Annual General Meeting-2020

IEEE Student Branch College of Engineering Karunagappally organized the Annual General Meeting (AGM) on 20th August 2020 at 6 pm. Conducted virtually, the welcome address was delivered by Mrs. Haseena P Y (Assist. Prof EEE dept. CEK), the newly elected student branch counsellor of IEEE SB CEK. She announced the official Execom 2020 and the office bearers of IEEE SB CEK. The newly elected Advisor of the Student Branch, Mrs. Sabeena K (Assist. Prof. CSE dept.) then spoke about the activities organized under different societies of the student branch, the achievements and awards received in the year 2019. It was followed by a talk by Mrs. Remya (Assist. Prof. CSE dept.), sharing her experience in working with the Student Branch and the involvement of volunteers in all the accomplishments. All the previous Execom members then shared their experiences, their volunteering activities and the role of IEEE in building professional life, motivating junior students to join IEEE. It was followed by a session by Mr. Anandhu S Kumar, mentor of IEEE SB CEK, where he congratulated the newly selected Execom, explaining the role of IEEE in molding their professional lives and the responsibilities they have to undertake. The meeting was concluded by Ms. Amitha Nair, the current Chair IEEE SB CEK.

The following students were selected as the 2020 Execom members of IEEE SB CEK.

Positions	Office Bearers
SB Counsellor	Mrs. Haseena P Y
SB Advisor	Mrs. Sabeena K
SB Advisory Board Member	Mr. Raju M
SB Mentor	Mr. Anandhu S Kumar
SB Chair	Ms. Amitha A Nair
SB Secretary	Ms. Rafiya Al Ebrahim
SB Vice Chair	Mr. M K Varun
SB Treasurer	Ms. Anjana Aruldas
Webmaster	Mr. Cliffin Cletus
Webmaster	Mr. Akash A
Design Lead	Ms. Deepa Girija Pillai
Technical Coordinator	Mr. Abhiram R K

Activity Coordinator	Mr. Rahul V T
ECC	Mr. Sudeep P H
PES	
Mentor	Mr. Hari Prasad
SBC Chair	Ms. Riya Elizabeth
SBC Vice Chair	Mr. M K Varun
SBC Secretary	Ms. Rafiya Al Ebrahim
IAS	
Mentor	Mr. Jayaraj N R
SBC Chair	Mr. Amitha A Nair
SBC Vice Chair	Mr. Mohammad Niyas
SBC Secretary	Mr. M K Varun
RAS	
Mentor	Ms. Sajna Mohammad
SBC Chair	Ms. Anjana Aruldas
SBC Vice Chair	Mr. Alister Clietus
SBC Secretary	Mr. Aaron Sanju Eappen
WIE	
Mentor	Ms. Sherin Cherian
SBC Chair	Ms. Jemi Jose
SBC Secretary	Ms. Riya Elizabeth
CS	
Mentor	Mr. Akshay Krishnan
SBC Chair	Mr. Hari Krishnan
SBC Vice Chair	Mr. Abhinav M
SBC Secretary	Ms. Jemi Jose
NPSS/PELS jt. Chapter	
Mentor	Mr. Akhil Ahammed
SBC Chair	Mr. Cliffin Cletus

SBC Vice Chair	Mr. Vishnu S
SBC Secretary	Ms. Deepa Girija Pillai
PHO/MTTS/SSCS/SPS jt. Chapter	
Mentor	Ms. Sherin Cherian
SBC Chair	Ms. Deepa Girija Pillai
SBC Secretary	Ms. Vishnu Priya

2. Design Workshop Series

UX/UI Designing Workshop – 1

A workshop on UX/UI designing was held on 28th January 2020 in the computer programming lab (A block) from 4:30 pm to 5:30 pm. The workshop was handled by Mr. Hari Prasad (PES SBC Chair). A general idea on user interface designs and user experience designs, benefits of Adobe Illustrator over Adobe Photoshop and the commonly used tools in Adobe Illustrator were discussed in the session. The interactive hands-on designing workshop was a new experience for the students. By the end of the session, they were familiar with the tools and its functions in Illustrator. 23 students attended the workshop.



UX/UI Designing Workshop – 2

A continuation of the Design workshop series, the second part of the UX/UI design workshop was organized by IEEE Student Branch, College of Engineering Karunagappally on 31st January 2020 in the computer programming lab (A block). The workshop was handled by Mr. Hari Prasad (PES SBC Chair) from 4:30 pm to 5:30 pm. Concepts of creating a visually stimulating graphical layout that a user can comfortably interact with was explored in the workshop. Advanced application of tools, editing and basics of vector drawing were also discussed in the session. A total of 28 students attended the workshop.



3.Virtual Meet (1) (Execom and Organizing Committee) – IPRECON 2020

IEEE Student Branch College of Engineering Karunagappally in association with Industry Applications Society organised a virtual meet on 6th April 2020 from 5:30pm-7:00pm (+IST) through the platform Google Meet. The meeting was initiated by Akshay Krishnan, Chair IEEE SB CEK to define the terms and priorities to be dealt with for the upcoming Global Conference, International Power and Renewable Energy Conference 2020 (IPRECON 20). The meeting mainly focused on the paper submission, the numerical values already submitted, the further expected papers and to categorize each according to their respective fields. All the Execom members as well as the advisor and counsellor of the SB attended the meeting to gain an overall updates of the process and suggested their own ideologies on how the whole team can work efficiently to scrutinize all the papers. The meeting ended with Mr. Akshay preparing the mind-set of the whole team to work hard and make the conference a grand success.

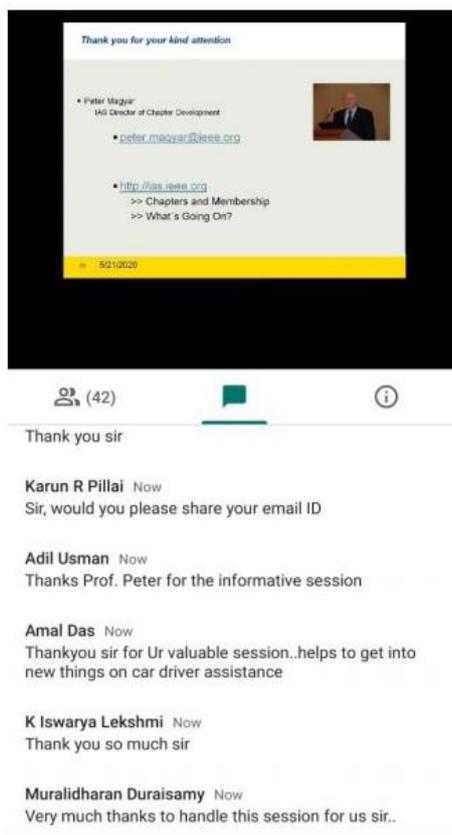
4. Webinar on Car Driver Assistance System

IEEE Student Branch College of Engineering Karunagappally in association with Industry Applications Society conducted a webinar on Car Driver Assistance System by Dr. Peter Magyar, Director IAS Chapter, Development Past Chair, IEEE IAS CMD on 21st May 2020 at 7:30 pm.

A full-fledged informative session by such a well-established and experienced individual was indeed highly awaited. In his allotted time, Dr. Peter managed to quite effectively envelop all the major spectrums relevant to his topic. He started off with basic mechanisms of Driver Assistance System and even gave a brief overview of Advance Driver Assistance System. His presentation slides were quite enticing as they enrolled the fundamentals of the images of certain systems and their protocols. A spotlight was also given to Parking Assistance as even some of the experience drivers at times might struggle with parking their vehicles due to numerous restrictions that might come up. He explained how these automated systems use certain special scanning systems to bring about its smooth functionality. While talking about the automated ideology, the intelligent headlights were introduced and its basic working was explained to the students. Dr. Peter focused on the importance of protecting one's vehicle amidst the turbulence of crime and portrayed few techniques of owner identifying

camera to avoid robbery. One of the most astonishing part of the session was the servomechanism of the cruise control. The idea was known to most of the students however the simplicity behind such an innovation was something that they looked forward to learn more about.

The overall session can be marked as an imprinted success as the number of attendees was around 62, evident of the fact that the session was able to open the creative portal in the student's mind. The attendees gave enormous positive feedbacks encouraging us more to organize such technical seminars.



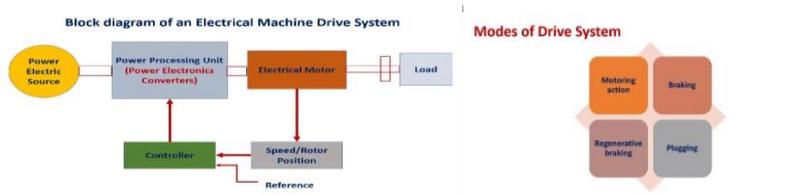
5. Webinar on "Emerging trends in Electrical Machines Drives: Design and Application " by Mr. Adil Usman

IEEE Student Branch College of Engineering Karunagappally firmly believes in imparting enriched knowledge resources to the youth and clasp onto every opportunity that might help achieve the target. One of the clawed-in effort was taken up as *IEEE SB CEK* in association with *Industry Applications Society* organised a webinar on "**Emerging trends in Electrical Machines Drives: Design and Application**" by **Mr Adil Usman**, Senior Member IEEE, Phd IIT Mandi, Chair IEEE MGA-SAC -SPC (R1-R10), Member IAS-PES Electrical Machinery Committee 2020 on 27th May 2020.

The backbone of the topic seemed quite enticing and evidently proved to be more amusing as Mr. Adil stepped in deeper to expose the true insight of his session. First off, he explained the purpose of such an electric drive system through detailed graphs and block representation for the better understanding of the attendees. He explained the basic individual components needed in such a system including power converter, load, electrical machine, controller (Field Programmable Gate Array). He gave an overview on various modes of such systems and specified various applications of each mode. The speaker quite effectively blended in with the technical restrictions and demands, his

ideas of increasing the system's performance by the selection of electrical drives. As the concepts of such a system became clear, he moved on to the development of advanced electrical drive systems using brushless synchronous motor and FPGA based controller, and explained each and every basic component constituting them. Mr. Adil gave an overview of the modelling, working and flow of the whole system using various diverse diagrammatic block representations with detailed functioning and graphs.

The session was quite a revelation on the elevating developments in technology with attendees being around 74. The participants dynamically participated to calm out their curiosities and entangle their doubts. Empowering sessions like this involving experienced and established personalities are indeed to look forward to as their footsteps are going to lead us to the unimaginable innovations.



6.Virtual Meet (2) (Execom and Organizing Committee) – IPRECON 2020

A virtual meet through Google Meet was organised by IEEE Student Branch College of Engineering Karunagappally in association with Industrial Applications Society on 14th June from 6:30pm-7:30pm(+IST).The meeting was a continuation of the first meet held at 6th April, to have a brief discussion on the updates of **IPRECON20**. The general chairs of the event, *Mr. Akshay Krishnan, Chair IEEE SB CEK* and *Mr. Hari Prasad, Chair PES IEEE SBC CEK* discussed with the team members and the involved faculties about the camera-ready submissions of the papers. They portrayed the whole process and emphasized on the fact how deadlines are to be taken seriously in such cases else the papers might get rejected. The team members were told how important it is to mail the participants a vivid request to focus on the same. All the members took important notes of the conversation and seems quite attentive.

About Us

IEEE Student Branch College of Engineering Karunagappally (STB 03951) is one of the oldest IEEE student branch in IEEE Kerala section, 4th branch in Travancore hub. Second IEEE Student Branch in Kollam (Quilon) district. IEEE SB CEK was founded in 13th May 2009 at College of Engineering Karunagappally.

In 2010 Jyothi L from the Dept. of CSE become branch counselor. In 2014 Raju M (Dept. Of EEE) become SB Counselor. Dedication and hard-work of our new counselor SB become active. Today IEEE SB CEK is one of the vibrant student branch in Asia Pacific Region(R10).

Contact Us

IEEE Student Branch

College of Engineering Karunagappally

Thodiyoor P.O, Karunagappally,

Kollam District, Kerala, India – 690523

EMAIL

ieeesbcek2000@gmail.com

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