



CARMEL COLLEGE OF ENGINEERING AND TECHNOLOGY
PUNNAPRA P.O., ALAPPUZZHA

IEEE PULSE

RHYTHM OF IEEE SB CCET

IEEE CARMEL COLLEGE OF ENGINEERING AND TECHNOLOGY
STUDENT BRANCH

STB 66436



Edition: April 2024, Vol No: 2

An Initiative by Electrical & Electronics Department

COUNSELOR'S MESSAGE



Dear Innovators and Readers of IEEE PULSE,

It is with immense pride and joy that I reflect on the accomplishments of IEEE Carmel College of Engineering and Technology Student Branch (IEEE CCET SB) over the past year. This year has been one of growth, innovation, and collaboration, showcasing the tremendous potential of our members to lead and inspire.

Since its inception, our SB has been dedicated to creating opportunities for learning beyond the classroom. This year was no exception, as we organized numerous events, workshops, and competitions to engage and empower our community.

Highlights from the past year include Science Week Celebration 2023 which was held from 7th to 10th March. The celebration featured six engaging events including essay writing, slogan making, collage design, quizzes, pencil drawing, and science fiction story writing, all centered on the theme of "Science and Technology for a Sustainable Future."

On 4th April, students explored the fascinating world of robotics under the guidance of Mr. Sunil Paul, CEO of Srishti Robotics, learning to program robots using Arduino in the Robot Building Workshop.

Student Paper Contest 2023 conducted on 28 April 2023 featured over 40 teams presenting innovative ideas, culminating in an inspiring inaugural ceremony attended by distinguished guests from ISRO and IEEE Kochi Subsection.

Three of our IEEE Women members received the prestigious 2024 CSIR-funded Women in Engineering Scholarship of ₹50,000 each.

This year also marked several impactful initiatives, such as Michael Faraday's Birth Anniversary Celebration, where students honoured his legacy through an exhibition and a webinar, and URJAARAMBH 2023, the Inaugural ceremony of the IEEE Power and Energy Society at CCET, which launched a humanitarian project for coastal areas. The IEEE Power and Energy Society hosted the IEEE Day PES Quiz on October 3rd, 2023, exclusively for first-year students of CCET.

Our branch's participation in flagship events like IEEE Xtreme 17.0, ENVIGOR 2.0, and the Kochi Hub Meet 2023 further highlights the enthusiasm and dedication of our members.

As we celebrate these achievements, I extend my heartfelt gratitude to the dedicated Executive Committee, our vibrant student members, and the supportive faculty for their invaluable contributions. Special thanks to the editorial team for meticulously compiling this newsletter, which serves as a testament to our collective efforts.

Looking ahead, let us continue to innovate, collaborate, and strive for excellence. I look forward to another year of growth, collaboration, and success as we continue to inspire and innovate together. Let us continue to dream on creating brighter future for our community of technologists.

*Warm Regards
Vishnu S*

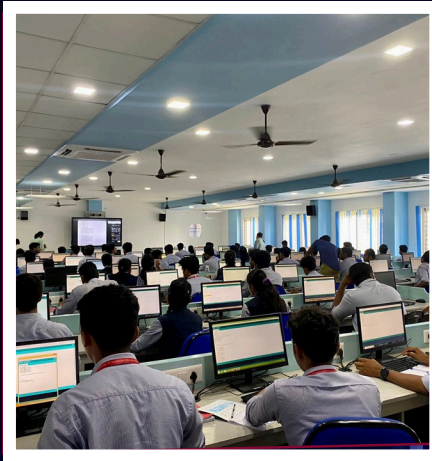
SCIENCE WEEK CELEBRATION 2023

As part of the Science Week Celebration 2023, the IEEE CCET SB conducted some events based on different themes. There were mainly six events: Essay based on themes, Slogan making, Collage, Quiz, Pencil drawing and Science fictional story writing. The events were conducted from 7th March to 10th March 2023. The main purpose of the event was to engage and inspire the students with Science and Technology for a Sustainable Future.



ROBOT BUILDING WORKSHOP

IEEE CCET SB conducted a ROBOT BUILDING WORKSHOP on the 4th of April, 2023 from 9:30 am to 4 p.m. The speaker of the program was Mr Sunil Paul, CEO and the Co-Founder of Srishti Robotics and Technology Pvt Ltd. The program was conducted at the Central Computing Facility of CCET. The workshop was exclusively for CCET students. The speaker explained the basic knowledge about robots and how to program a robot using Arduino UNO. The session became more interesting when he gave the robots to the students to program them. Many of them successfully programmed the robot. Altogether the session was fruitful and very interesting.



IEEE CCET STUDENT PAPER CONTEST 2023

The IEEE CCET SB in association with the IEEE Kochi Subsection and Department of Electrical and Electronics Engineering conducted a Student Paper Contest '23. It was conducted on April 28th of 2023. The inauguration ceremony was held at the Seminar hall. Dr Sarath K. S HOD of EEE Department, CCET and also the IEEE CCET SPC Convenor delivered the welcome speech. The presidential address was given by Rev. Fr Mathew Arekalam CMI, Chairman CCET. After the presidential address the Inaugural Ceremony was conducted by lighting up the lamp. The Inaugural Address was given by the Chief Guest Mr Abhilash Narayanan, Deputy Division Head LPSC, ISRO. After the Inaugural Address the felicitation was delivered by Dr.K.Meenakshy, Vice Chair, IEEE Kochi Subsection. As a part of the Inaugural ceremony two Newsletters were released.

**IEEE** STUDENT BRANCH
CCET ALAPPUZZHA
IEEE Kochi Subsection

IEEE CCET Student Paper Contest 2023

In association with IEEE Kochi Subsection
Venue: Carmel College of Engineering & Technology, Punnara Alappuzha

Call for Papers

About IEEE CCET SPC '23
IEEE CCET SB and Department of Electrical and Electronics Engineering CCET in association with the IEEE Kochi Subsection is organizing the IEEE CCET Student Paper Contest on 28th April 2023. The main objective of the event is to provide a platform for the under graduate and post graduate students to expose their research ideas and receive provisional feedback which shall further enhance their skills and knowledge. The event includes paper presentations on various themes relevant to Electrical, Electronics, Mechanical and Computer Science Engineering. Certificates will be provided to all participants and best 3 papers will be awarded with exciting cash prizes.

Paper Submission
• Expected participants for the event are UG / PG candidates and they can participate in the contest as a team.
• Maximum number of student authors per paper are limited to 4.
• Submitted paper should not be submitted/published anywhere else.
• IEEE CCET SPC '23 invites full length articles of 4 to 6 pages in IEEE Conference template (Ref: http://bit.ly/Paper_Template_A4).
• Papers to be submitted to ieeeccet@carinet.in

About Proceedings:
Accepted papers will be published in the proceedings of IEEE CCET SPC '23 with ISBN number.

The themes in which the papers invited are as follows:

Electrical and Electronics Engineering <ul style="list-style-type: none">• Power Electronics• Energy Conservation• Intelligent Control• Special Machines• Electric Vehicles• Renewable Energy• Smart Grid• Industrial Automation• Wireless Communication• VLSI Design• Embedded System & IoT• Nano Technology• MEMS and Photonics• Signal Processing• Speech, Image and Video Processing	Robotics and Automation <ul style="list-style-type: none">• Artificial Intelligence in Robotics• Computer Aided Manufacturing• Computer Integrated Manufacturing System• Computational Geometry• Robot Motion Planning/Robot Manipulators
Computer Science & Data Analytics <ul style="list-style-type: none">• Artificial Intelligence & Machine Learning• Evolutionary Algorithms• Data Analytics• Cloud Computing• Cyber Security• Block Chain Technology	

Prize distribution
• Cash prizes will be awarded for First, Second & Third places.

Important Dates
Call for Papers Announcement: 1st February 2023
Draft Paper Submission: 17th April 2023
Notification of Acceptance: 15th April 2023
Final Camera-ready Paper: 21st April 2023
Event Date: 28th April 2023

Registration fee per team
IEEE Members: Rs 300/-
(Any one of the authors should be an IEEE member)
Non-IEEE Members: Rs 500/-

**IEEE**



The Newsletter by the department of EEE was released by Rev.Fr Justin Alukkal CMI, Director CCET and the IEEE Newsletter was released by Dr Paul K. Mathew, Principal CCET. After the newsletter release the Director and Principal delivered messages to the audience. As the last part of the ceremony the vote of thanks was delivered by Dr Sreedivya K M Asst. Prof. EEE, IEEE CCET SPC Coordinator. There were nearly 40 teams registered to the competition. When the competition started every team delivered their ideas in the specific time provided. The competition ended at 3:30pm. The awards were distributed to the prize winners and also the participation certificate were given to each members of a team. And the IEEE CCET Student Paper Contest 2023 officially came to an end by 4 pm.



ANNUAL GENERAL MEETING 2023



The Annual General Meeting was conducted on 1st August 2023. The meeting started with a silent prayer. The welcome speech was delivered by SB Chair J Jayasoorya. IEEE CCET Student Branch Counselor Mr. Vishnu S gave a wonderful motivational speech to the students and detailed all the events which was organised in the previous year. He thanked the ExeCom 2022 for coordinating all the events successfully. He also discussed the plan of future events that has to be organised. Regarding that two societies are under formation and is about to get inaugurated soon. of PES society and IEEE CS Kerala Chapter which is under the coordination of Mrs. Aparna. After the declaration, our counselor, Mr. Vishnu S congratulated the all the new elected members. Mementos were presented to previous ExeCom members by the Branch Counselor, as the token of appreciation. The meeting came to an end by 3:30pm.

URJAARAMBH 2023

The Inaugural Ceremony of our IEEE Power & Energy Society CCET by the chief guest for the day Er Harikumar KP, Secretary, IEEE PES Kerala Chapter and an interactive session on Initiating Humanitarian projects for the coastal areas of Punnapra on August 17th 2023 at 10:00 am, Seminar hall, CCET; by Mr. Abhinav R, Junior Research Fellow, IIT Palakkad, in which all the IEEE PES members of CCET, the final year students of EEE Department CCET attended the session. He also talked about various humanitarian projects and also gave us some information about various funding sources like IEEE HTB and IEEE EPICS. He also shared his personal experience with some projects and also guided us in various aspects of a project like the sustainable development goals, etc.



INAUGURATION OF IEEE CS SB CHAPTER OF CCET

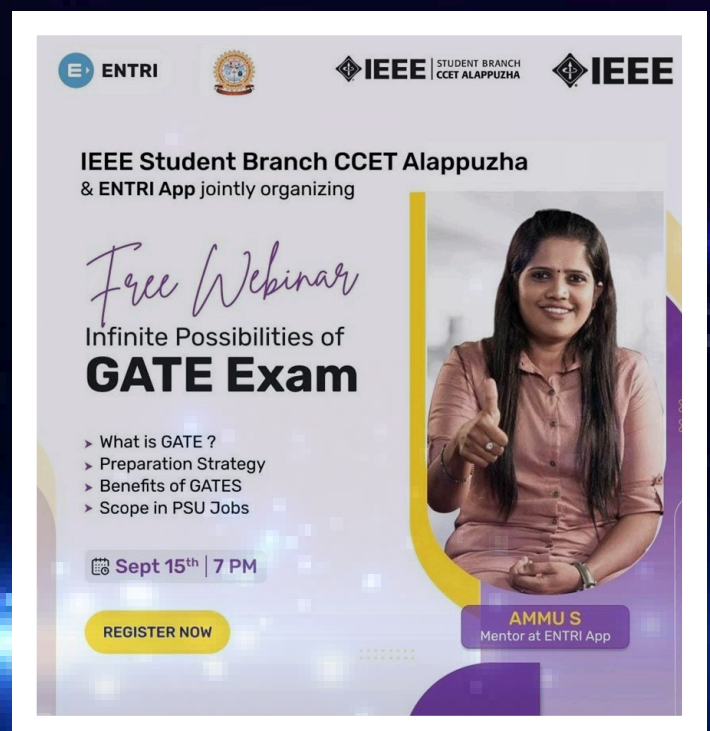


The inaugural ceremony of the IEEE Computer Society Student Branch Chapter of CCET, "SRUSHTI 2023," was held on August 23, 2023, at 2 p.m. in the CCET Seminar Hall. The ceremony began with a prayer and a warm welcome by Prof. Anoop R S, HOD of CSE department. Rev. Fr. Thomas Choolaparambil CMI, Chairman of Carmel Institutions, delivered an inspiring presidential address, highlighting the significance of the name "SRUSHTI." The lamp-lighting ceremony was followed by the inaugural address from the chief guest, Dr. Vishnukumar S, Chair of IEEE CS Kerala Chapter, who spoke about the impact of modern technology. Rev. Fr. Justin Alukkal CMI, Director of CCET, and Dr. Paul K Mathew, Principal of CCET, felicitated the event. A memento was presented to the chief guest by the Chairman of Carmel Institutions. The vote of thanks was delivered by Dr. Reji R and Ms. Ansu Varghese. The ceremony concluded at 3:15 p.m.

TALK SESSIONS AND WEBINARS



On 21st September 2023, Department Of Electrical and Electronics Engineering CCET with IEEE CCET SB organized a PEP talk. The session was lead by Sri.K D Mathisuthan(DGM rtd.,Airport Authority of India).



IEEE Student Branch CCET & ENTRi App jointly organising a webinar on "Infinite Possibilities of GATE Exam" on 15th September 2023 lead by Ammu S ,Expert Mentor at ENTRi App.

IEEE STUDENT BRANCH CCET

EXECOM 2023-2024

Introducing the dynamic ExeCom of 2023 for the IEEE CCET Student Branch, committed to excellence and innovation, this Executive Committee brings a fresh wave of enthusiasm and expertise to lead our vibrant community of tech enthusiasts.

 STUDENT BRANCH
CCET ALAPPUZHA



EXECOM 2023-2024

 Vishnu S BRANCH COUNSELOR	 J Jayasoorya CHAIRPERSON	 Deepthi KS SECRETARY
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 Keerthana Rajeev PROGRAM COMMITTEE	 Abhishek S	

IEEE POWER AND ENERGY SOCIETY CHAPTER EXECOM 2023-2024

Introducing the new ExeCom of the IEEE Power and Energy Society Chapter CCET, committed to powering innovations and sustainability, the team lead us into a future of electrifying possibilities.

 **IEEE** STUDENT BRANCH
CCET ALAPPUZHA

 **IEEE**

POWER AND ENERGY SOCIETY CHAPTER
EXECOM 2023-24


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Anakha S
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MEMBERSHIP DEVELOPMENT

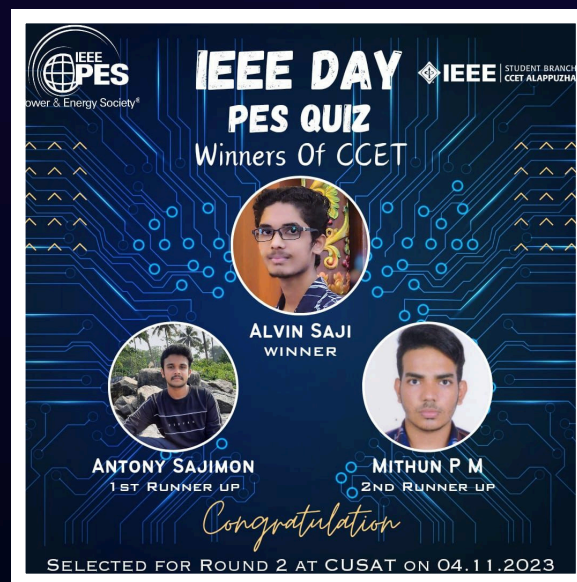
IEEE DAY CELEBRATION

IEEE Student Branch Carmel College of Engineering and Technology (IEEE SB CCET) Celebrated the IEEE Day at the Seminar Hall CCET on 03rd October 2023.



IEEE DAY PES QUIZ 2023

The IEEE Power and Energy Society Kerala Chapter organized IEEE Day PES QUIZ as part of the IEEE Day 2023 celebrations and was exclusively for first year students of CCET on 03rd October 2023 .



IEEE XTREME 17.0

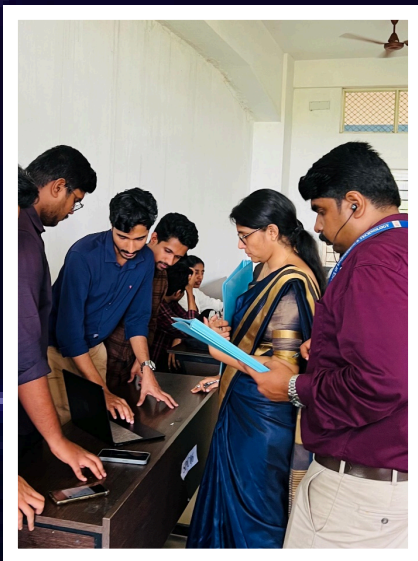


IEEE XTREME 17.0 International Coding Competition ,a 24 hours programming and coding competition successfully held at Carmel College of Engineering and Technology on 28th October 2023 which was proctored by Mr. Vishnu S ,Counselor,IEEE SB CCET.



IEEE CCET PROJECT COMPETITION

IEEE CCET SB in collaboration with IEEE Kochi Subsection, organised "IEEE CCET Project Competition" on 5th April 2024. Our Students Devika Unnikrishnan, Alen John, Gayathri G, Abhishek Anil of 2020-2024 batch got second prize in project competition 2024 for their project "PORTABLE SOLAR WATER DESALINATION AND PURIFICATION UNIT"



MICHAEL FARADAY'S BIRTH ANNIVERSARY CELEBRATION

In commemoration of Michael Faraday's Birthday Celebration 2023, the IEEE Power and Energy Society (PES) at Carmel College of Engineering and Technology, Alappuzha (CCET), orchestrated an impactful exhibition featuring a multitude of posters, drawings, and cartoons on 21st September 2023. This event aimed to shed light on Michael Faraday's remarkable life and his significant contributions to the world of science.



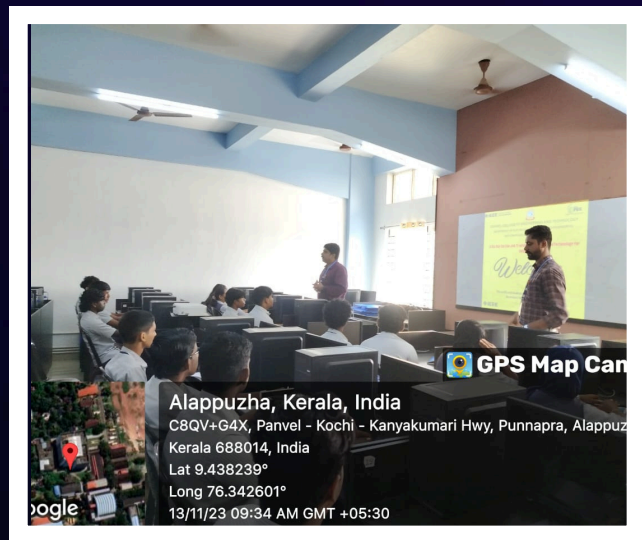
MICHAEL FARADAY'S BIRTH CELEBRATION WEBINAR

As part of the celebration of Michael Faraday's birthday on 22nd September 2023, the IEEE Power and Energy Society at CCET hosted a webinar titled "Life and Contributions of Michael Faraday" lead by the speaker, Mrs. Tinu Ann Jose, Assistant Professor in the Department of Physics at BCM College, Kottayam, Kerala.








JOB TRAINING IN MOBILE PHONE TECHNOLOGY

The impactful six-day on-the-job training in mobile phone technology for VHSE students of Vocational Higher Secondary school, Ambalappuzha conducted by Department Of Electrical and Electronics Engineering CCET& IEEE PES Society CCET. The workshop was led by Mr. Sijo V Chacko.





WEBINAR ON IMPACTS OF ELECTRIC VEHICLE ADOPTION ON POWER GRID

A webinar was being organized by IEEE PES Chapter CCET in association with IEEE PES KERALA CHAPTER on the topic “Impacts of Electric Vehicle Adoption on Power Grid” as a part of 2024 PES month celebration on 23rd of April 2024. The speaker of this webinar was Dr. Bobby Philip, Joint Director, APJ Abdulkalam Technological University; Vice Chair, PES Kerala Chapter.




WEBINAR

IMPACTS OF ELECTRIC VEHICLE ADOPTION ON POWER GRID




rd
23 APRIL 2024
7:00 pm




REGISTER NOW

<https://forms.gle/gPGwYeZxYr6QWvPCA>

Our Speaker
Dr. Bobby Philip
Joint Director, APJ Abdulkalam
Technological University.
Vice Chair, PES Kerala Chapter.



Carmel College of Engineering and Technology
Department of Electrical and Electronics Engineering



WOMEN IN ENGINEERING SCHOLARSHIP

Three of our IEEE women members recieved the prestigious 2024-CSIR funded QUEST Global Women in Enginnering Scholarship of Rs. 50,000/- each.

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 **Quest**
global

 **IEEE**



IEEE Women in Engineering
Wie

2024
SCHOLARSHIP
FUNDED BY CSR INITIATIVES OF QUEST GLOBAL FOR
325 WOMEN ACROSS THREE INDIAN STATES ₹50000
FOR EACH PERSON

CONGRATULATIONS!



ARCHANA DEV
S2 EEE



SWANTHANA SANTOSH
S2 EEE



SREELEKSHMI P
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
CARMEL COLLEGE OF ENGINEERING AND TECHNOLOGY ALAPPUZHA

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VOLUNTEERING & PARTICIPATING OUTSIDE THE STUDENT BRANCH

Kochi Hub Meet is the annual flagship event of IEEE Kochi hub, Our students actively participated in the Kochi Hub Meet at AJCE on 19th November 2023.



Our students actively participated in the IEEE All Kerala Power and Energy Society Students Congress 2023 (AKPESSC'23) at RIT Kottayam

Abhinav Rajesh, Vice Chairperson, IEEE SB CCET attending IEEE Kerala Section Awards Ceremony on 10th February 2024 at Trivandrum.



PROFESSIONAL MEETUPS



Branch Counselor Vishnu S, attending All Kerala Branch Counselors and Chapter Advisors Congress on 14th of October 2023 at Kochi.

IEEE PES Chapter Advisor Vishnu S, attending IEEE PES Professional Meet-up 2023 & PES H.Q Award Function on 6th of September 2023 at Thiruvananthapuram.



IEEE PES Chapter Advisor Vishnu S, attending IEEE PES Kerala Chapter AGM on 26th of January 2024 at Thiruvananthapuram

ABOUT IEEE SB CCET

IEEE is a globally recognized organization with members ranging from research scholars to engineering graduates. It serves as an excellent platform for aspiring engineers to share their knowledge, showcase their innovative ideas, and engage in meaningful discussions. Additionally, it fosters collaboration by providing opportunities to interact with experts, propose groundbreaking technologies, and contribute to advancements in the engineering field.

The IEEE Student Branch CCET comprises both active faculty and student members, creating a dynamic environment for learning and professional growth. This engagement plays a crucial role in shaping aspiring engineers, providing them with opportunities to learn from pioneers of engineering.

The IEEE Student Branch CCET Alappuzha is a medium SB with 135 members. We collaborate to nurture the potential of our members, empowering them to contribute to society while driving advancements in technology.

EDITORIAL BOARD



Co-ordinator

Anupama S

Chair, IEEE PES CCET



Designer

Aromal P Anil

Design Lead, IEEE SB CCET

Suggestions/Feedback :

✉ ieeesb@carmelcet.in  [ieee_sb_ccet](https://www.instagram.com/ieee_sb_ccet)