

CARMEL COLLEGE OF ENGINEERING & TECHNOLOGY

PUNNAPRA P.O, ALAPPUZHA

RHYTHM OF IEEE CCET SB

IEEE CARMEL COLLEGE OF ENGINEERING AND TECHNOLOGY
STUDENT BRANCH

STB 66436



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An Initiative by Electrical & Electronics Engineering Department

COUNSELOR'S MESSAGE

Dear Members and Readers of IEEE PULSE.

It is my pleasure to share with you the successful journey of IEEE SB in our college. Since its successful launch, we were able to organize various seminars, webinars, workshops, and events which provided good opportunities to the members and have extended the possibility of learning beyond classrooms.



The first step towards IEEE started back in 2019, and Genesis was the first campaign program delivered by Mr Abey Jose, one of the IEEE coordinators of the Kochi Sub Section. On 19th January 2021, a webinar on "Benefits of IEEE Membership" was conducted.

On 23rd October 2021, a team of 8 with three members each i.e., 24 members in total, participated in the Xtreme competition. We arranged a three-day training program named 'Xtreme Rush' to enhance our coding skills. We had three sessions handled by three different speakers, they trained our students with coding languages, and we solved some of the previous year's Xtreme questions. Based on the impact index, our college was also one of the top 1st position achievers under the colleges of Kochi subsection.

The IEEE CCET SB was officially sanctioned on 11th November 2021. On 22nd November, the first general body meeting of the student branch was conducted and the ExeCom 2022 was selected. The team was enthusiastic and hardworking. ExeCom 2022 has conducted various internal events like Idea Box, Sunday Benefits and Membership Campaign Programs.

On 27th January 2022, a webinar was again organized on "Benefits of IEEE Membership". Dr Sarath K S, Head of the EEE Department, CCET got elevated as an IEEE Senior Member.

The Inaugural ceremony, UDHBHAV 2022 was conducted on March 04 2022 and the function was preceded by Dr MV Rajesh. On the same day, we hosted a webinar on "Electric Vehicle Technology" which was handled by Mr AbhinavR, Junior Research Fellow, at IIT Palakkad.

A Federal Bank Account is being managed for IEEE SB for the benefit of managing financial transactions in connection with the student branch.

Science Week 2022 was conducted from 06 March to 09 March on behalf of The IEEE CCET SB. Various competitions such as Poster designing Competitions, Doodle competitions, Blogs, and Quizzes were conducted during the Science Week celebrations. A webinar on 'Students Membership Benefits of IEEE' was carried out on 04 June 2022.

A One-Day Workshop on the topic of "Matlab for Power Systems" on 15 October 2022 was organised. The speaker was Mr Harigovind M, Assistant System Engineer at TCS. IEEE CCET SB has conducted IEEE XTREME 16.0 Competition on October 22 in which 48 students participated. Seminars on Membership Benefits of IEEE were conducted by IEEE CCET SB on the 26th and 28th of October 2022 for the first year students of 2023 batch.

I am honoured to witness and glad to be a part of our SB's continued growth. Having started from a member strength of Twenty-Four, we are at Hundred-Ten-Plus members now.

This newsletter highlights the potential and prospects of being part of the IEEE SB. The students who worked hard for this deserve an excellent appreciation.

I appreciate the hard work of the editorial team in making this possible.

Best wishes to all the IEEE members of the CCET Student Branch.

Best Regards

Vishnu S

WEBINAR ON IEEE STUDENT MEMBERSHIP BENEFITS





2021

2022

Webinar on Benefits of IEEE Membership was taken by Vishnu S, Branch Counselor IEEE CCET SB for the first year EEE and CSE students of the 2020 batch. Out of 40 participants, 24 students took the membership.





The ExeCom 2022 had already started conducting various internal events like IdeaBox, Sunday Benefits and Membership Campaign Programs for CCET Students.

3 DAY WEBINAR SERIES ON Xtreme Rush



IEEE Xtreme 15.0

treme Rush

VIERE

Xtreme is a 24 hours long international coding competition. We made all our members to register for the competition. Since Xtreme is a coding competition, we arranged a three-day training program named 'Xtreme Rush' to enhance our coding skills. We had three sessions handled by three different speakers, they trained our students with coding languages, and we solved some of the previous year's Xtreme questions.



On 23rd October, a team of 8 with three members each, i.e. 24 members in total, participated in the Xtreme competition. In our college, we had participated for the competition in the offline mode. The college had arranged all the facilities here for us and all the teams performed well in the competition. In the last week, the overall rankings were announced, and the team Cyber-Knights bagged the first position within the college with a global rank of 682, a regional rank of 373, a country rank of 121. Based on the impact index, our college was also one among the top 1st position achievers under the colleges of Kochi Subsection.

IEEEXtreme 15.0 SB Ranking & Impact Index

			-				
Team Name	‡ University	Country	\$ School Region	Global Rank	Region Rank	Country Rank	\$ School Rank \$
CyberKnights	Carmel College of Engineering & Technology	India	R0	682	373	121	1
Speedy	Carmel College of Engineering & Technology	India	R0	692	378	123	2
ELEXPECTA	Carmel College of Engineering & Technology	India	R0	1066	550	209	3
Sparkz	Carmel College of Engineering & Technology	India	R0	1087	563	217	4
ELITICANS	Carmel College of Engineering & Technology	India	RO	1124	586	234	5
Thunders	Carmel College of Engineering & Technology	India	RO	1125	587	235	6
SERENADES	Carmel College of Engineering & Technology	India	R0	1126	588	236	7
ELEKTROHEADS	Carmel College of Engineering & Technology	India	R0	1133	595	241	8

IEEE	EELXTIREME TO THE PROPERTY OF					
XTREME IMPACT LEADERBOARD BASED ON IMPACT INDEX KOCHI HUB (SMALL SB)						
#	1 COLLEGE OF ENGINEERING, CHERTHALA	10				
#	1 CHRIST COLLEGE OF ENGINEERING IRINJALAKUDA	10				
#	1 ALBERTIAN INSTITUTE OF SCIENCE & TECHNOLOGY	10				
#	1 COLLEGE OF ENGINEERING, MUNNAR	10				
#	1 PROVIDENCE COLLEGE OF ENGINEERING	10				
#	1 NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE	10				
#	1 COLLEGE OF ENGINEERING, POONJAR	10				
#	1 CARMEL COLLEGE OF ENGINEERING & TECHNOLOGY	10				
H	2 MBC COLLEGE OF ENGINEERING & TECHNOLOGY	0 2				

FIRST ANNUAL GENERAL BODY MEETING 2021



The first formal Student Branch meeting was on 22nd November 2021. All the members were present at the meeting. The SB secretary welcomed the members. At the meeting, the Student Branch Chair announced that the Carmel College of Engineering and Technology's Student Branch was officially approved. He also mentioned his gratitude to all the members for being with him during the process. He also announced that the inauguration of the SB will be done before the end of February 2022. The SB counselor Asst.Professor Vishnu.S congratulated the student members and mentioned his special thanks to the SB Chair and the Secretary for their support on the formation of SB and wished them for the best functioning of the branch in the following years. An election was conducted for the executive committee.

Since there were no multiple nominees for the same position, the members were selected as mentioned by the branch members. And the new elected executive committee members are:



Senior IEEE Membership

Dr Sarath K S, Head of EEE Department, CCET got elevated as an IEEE Senior Member. Congratulations Sir!



IEEE ACCEPTANCE LETTER FOR STUDENT BRANCH

On 11th November 2021, we filed the petition, and on the very next day itself, the IEEE approved our petition, and the IEEE CCET SB was officially sanctioned.

Cecelia Jankowski Managing Director

Fax + 1 732 867 9943

c.jankowski@ieee.org

Member and Geographic Activities Phone + 1 732 562 5504



November 12, 2021

ROHITH S VARIER Carmel College of Engineering and Tech. Punnapra, Alappuzha India 688004

Dear ROHITH S VARIER:

Welcome to the IEEE Student Branch program! On behalf of the Member and Geographic Activities Board, we have approved your petition to form an IEEE Student Branch at Carmel College of Engineering & Technology.

Your Student Branch is located in Region 10 and your activities will be of interest to the volunteers listed below:

Deepak Mathur, Region 10 Director
Jennifer Dela Cruz, Region 10 Student Activities Chair
Saaveethya Sivakumar, Region 10 Student Representative
Sarada Jayakrishnan, Kerala Section Chair
Shankar J, Kerala Section Student Activities Chair

Your Student Branch code is STB66439 and your School Code is 60141006. Please be sure to use them on all correspondence and reporting forms. To ensure that the students are properly assigned to your Student Branch, they should join IEEE online at http://www.ieee.org/join and use the school search to find the school name Carmel College of Engineering & Technology.

On behalf of the IEEE and its members, I would like to welcome your Branch to the student program. If you have any questions or need assistance, please do not hesitate to contact our Student Services department at:

Student Services IEEE Member and Geographic Activities Department 445 Hoes Lane Piscataway, NJ 08854

student-services@ieee.org, email +1 732 562 5527, phone +1 732 463 9359, fax

Sincerely,

Cecelia Jankowski

Cecelia Jankowski Managing Director Member and Geographic Activities

CC

D. Mathur - Region 10 Director

J. DelaCruz - Region 10 Student Activities Chair

S. Sivakumar – Region 10 Student Representative S. Jayakrishnan – Kerala Section Chair

S. J – Kerala Section Student Activities Chair

V. S – Student Branch Counselor

UDHBHAV 2022

The inaugural ceremony of the IEEE student branch of CCET-UDHBHAV 2022 was held on 4th March 2022 at the CCET Seminar hall. The ceremony commenced invoking the blessings of God Almighty. The chief guest and the other dignitaries at the gathering were welcomed by Dr Sarath K. S., HOD of the EEE department. The presidential address was conveyed by Very Rev. Fr Mathew Arekalam CMI, Chairman CCET. His speech was indeed inspiring and motivating. After which the ceremonious lighting of the lamp took place. The inaugural address was delivered by the chief guest for the day Dr M. V. Rajesh Maliyeckal, Chairman IEEE Kochi subsection/ IEEE SPS Kerala section. His speech stressed on Ethics of engineers, the Benefits of IEEE and using the platform to the possible best. He also congratulated the members for their efforts in establishing the SB in the campus. Rev. Fr Justin Alukkal CMI, Director CCET launched the official website of the SB, which was followed by the publication of the newsletter 'ECHO 2021' from EEE Dept. by Dr Paul K Mathew, Principal CCET.







The ceremony was felicitated by Rev. Fr Justin Alukkal CMI, Director CCET and Dr Paul K Mathew, Principal CCET. The Annual Report was presented by the SB Counselor, Asst. Prof. Vishnu S where he listed all of the events that took place in the year 2021 as well as the events that are planned for the future. As a token of gratitude, a memento was handed over to the chief guest. The vote of thanks was extended by Mr Rohith S Varier, Chair of IEEE SB CCET. The inaugural ceremony ended on a good note and came to an end by 3:30 pm.





ELECTRIC VEHICLE TECHNOLOGY [WEBINAR]













Abhinav R

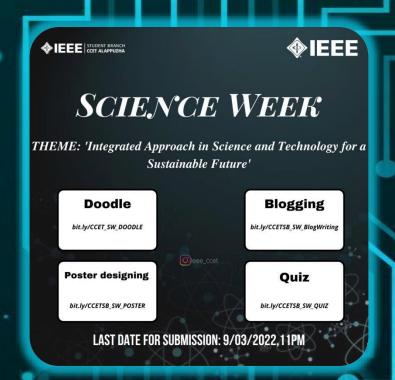
Junior Research Fellow, IIT Palakkad

Rohith S Varier : 6282432067 Akshay J : 95445 69318

IEEE CCET SB in association with IEEE Kerala YP organized a webinar on the topic of Electric Vehicle Technology. The speaker was Mr. Abhinav R. Junior Research Fellow, IIT Palakkad. We conducted the webinar through google meet platform. The session was arranged exclusively for CCET students.

During the session, the speaker explained about the basic components of an electric car. Since most of the participants were 1st year engineering students, he used basic day-to-day examples to explain EV Technology. A comparison with IC engines was also discussed. The session was fruitful and the students enjoyed well.

SCIENCE WEEK COMPETITION 2022



The IEEE Carmel College of Engineering and Technology Students Branch (STB66439) is conducting various competitions as part of Science Week Celebrations. The various competitions are Poster designing competitions, Doodle competitions, Blogs, and Quiz. The entries for these events were collected using google forms. The winners and participants recieved E-Certificates.

♦ IEEE ♦ IEEE STUDING BRANCH





ANNUAL GENERAL BODY MEETING 2021



The meeting started with a silent prayer. Welcome speech was delivered by Anjali J. The code of conduct was read by Gokul Krishnan T G. Then Dr Sarath K S, HoD EEE Department gave a wonderful motivational speech to the students. After the speech our Branch counselor Mr. Vishnu S summarized the various events hosted by the existing ExeCom.









After his speech the SB chair Rohith S Varier gave a speech to the students and to the new ExeCom members to keep up the good work in the coming years. The next step of the meeting was to declare the new ExeCom members and it was done by Mr. Sarath K S. The new ExeCom members are:



IEEE XTREME 16.0





IEEE CCET SB has conducted IEEE XTREME 16.0 Competition on October 22. It was proctored by Vishnu S (Asst Prof). IEEE Extreme was a 24 hour competition conducted in global level exclusively by IEEE. The competition aims to encourage the participants to develop their coding skills, problem solving ability and creativity. Winners of the competition was awarded with certificate. Overall, these competitions provide a platform for aspiring programmers to showcase their skills and gain valuable experience in the field of computer science.











Carmel College Of Engineering & Technology

22 OCTOBER 2022

STUDENT BRANCH CCET ALAPPUZHA

Here we are ! After 8 hours of Programming, our SB Members are still focused to solve all the enigmatic problems

ieee_ccet

IEEEXTREME PROGRAMMING

♦IEEE

IEEEXTREME 16 REGISTRATION LEADERBOARD STUDENT BRANCH WISE

#1 Raghu Institute of Technology

#2 Mar Athanasius College of Engineering

#3 Rajiv Gandhi Institute of Technology

#4 MES College of Engineering

#5 Adi Shankara Institute of Eng. & Technology

#6 Carmel College of Engineering & Technology

#7 LBS Institute of Technology for Women

#8 Sri Sai Ram Engineering College

#9 College of Engineering Karunagappally

#10 Sai Ram Institute of Technology





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STUDENT MEMBERSHIP BENEFITS OF IEEE

IEEE CCET SB (STB66439) conducted the webinar in association with IEEE Young Professionals about the topic: **Students Membership Benefits of IEEE** on 4th June 2022. The SB chair Mr. Rohith S Varier welcomed the speaker Mr. Anoop Mathew, Software developer, UST GLOBAL, Asst. Professor Vishnu S the branch counselor and all the student members. Mr. Anoop also shared his knowledge and experience being an IEEE member. The speaker also made a clear vision of IEEE. The webinar was very helpful for every student who has joined and was also an enjoyable session. At last, the meeting was concluded with a vote of thanks by Deepthi K S.





A 4 DAY WORKSHOP ON MATLAB FOR POWER SYSTEMS



IEEE CCET SB in association with IEEE Kerala YP organized a one day workshop on the topic of Matlab for Power Systems. The workshop was inaugurated by Dr. Sharath K S, Head of Electronics and Electricals Department, CCET. The speaker was Mr. Harigovind M, Assistant System Engineer at TCS. We conducted the workshop in our college campus. The session was arranged exclusively for CCET Students. During the session, the speaker explained about the basics of Matlab, Simulink and its libraries. Since most of the participants were 1st year engineering students, he used basic examples to explain functions of Matlab. A model of Load Flow Analysis was also designed using Matlab Simulink Software. The session was fruitful and the students enjoyed it well. At last the meeting was concluded with a vote of thanks by Devika S.



VOLUNTEERING & PARTICIPATING OUTSIDE THE STUDENT-BRANCH

Participation and volunteering of our IEEE members in various outside events such as NOVA, KHM, F2F etc.



Link'23 F2F @ RSET





KHM - Annual IEEE meet under Kochi Subsection

OCCE IEEE Kochi Hub IEEE Kochi Subsection 🐠 📙 📙



Learn · Crack · Ideate



Christ College Of Engineering Irinjalakuda

Thank you

● fin •/ieeekochisubsection

J.JAYASOORYA as student Volunteer in IEEE Kochi Subsection Program Management Team.

IEEE Kochi Subsection

IEEE Kochi Hub

♦IEEE

IEEE KOCHI SUBSECTION

STUDENT VOLUNTEERS MEET-UP



NOVA - Drone & Robotics Workshop.

STUDENT VOLUNTEER TEAM

PROGRAM MANAGEMENT TEAM

PROGRAM MANAGEMENT TEAM

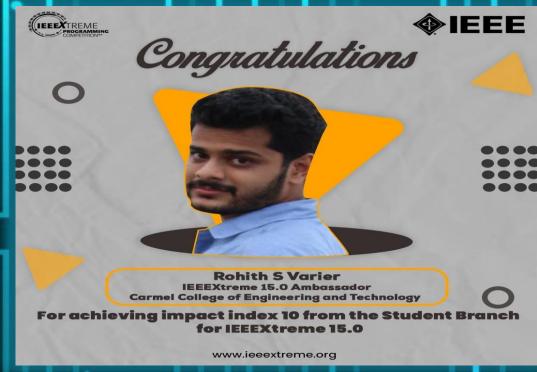
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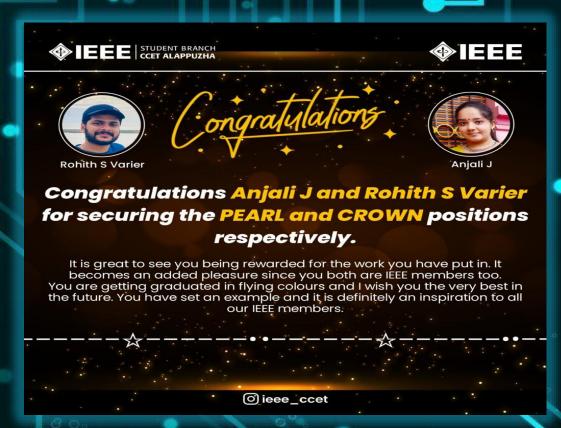
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IEEE Kochi Subsection student Volunteers meet-up.

Exceptional Students of IEEE CCET SB



Congratulations!!, ROHITH S VARIER For achieving impact index 10 for IEEE XTREME 15.0.



Our student members ANJALIJ & ROHITH S VARIER was awarded the PEARL & CROWN of CCET 2022.

Congratulations!!

STUDENT MEMBERSHIP BENEFITS



The seminar was conducted by IEEE CCET SB about the topic Students Membership Benefits of IEEE on 26th October 2022. The seminar was conducted by Asst prof Vishnu S, IEEE CCETSB counselor for the students of 1st year Electricals and Electronics Department students .The speaker made a clear vision about IEEE and its benefits. The seminar was very helpful for every student members.



On 28th October 2022 the seminar was conducted by IEEE CCET SB about the topic Students Membership Benefits of IEEE. The seminar was conducted by Asst prof Vishnu S, IEEE CCETSB counselor for the students of 1st year Computer Science Department students. The speaker made a clear vision about IEEE and its benefits. The seminar was very helpful for every student members.

ABOUT IEEE CCET SB

IEEE is a world renowned organization having members all across the globe ranging from researcher scholars to engineering graduates. It provides a great opportunity for aspiring engineers to exchange there knowledge and to present their ideas. It also provides a platform of interaction to propose new technologies and findings related to engineering field.

IEEE, CCET Student Branch has both active faculty and student members. The exposure to the various IEEE activities helps in the optimal development of engineers and presents them an opportunity where they can learn from the pioneers of engineering.

IEEE CCET Alappuzha Student Branch is a Medium SB with 110 plus members. We work together to develop the potential of our members towards the society and advancing technology.

EDITORIAL BOARD



<u>Co-Ordinator</u> Devika s S6 EEE



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