



CARMEL COLLEGE OF ENGINEERING AND TECHNOLOGY  
PUNNAPRA ALAPPUZHA 688004

# ECHO

2024.

4.0

NEVER

LOSE

YOUR

SENSE

OF

WONDER



# ABOUT THE DEPARTMENT

## VISION

- Moulding Electrical and Electronics Engineers, Innovators and Entrepreneurs with Integrity and Social Commitment.

## MISSION

- To offer quality education and prepare the students for employment entrepreneurship and higher studies.
- To inculcate moral and ethical human values among the students along with experience and knowledge.
- To enrich the students with technical skills for sustainable development.

## STUDENTS' ACHIEVEMENTS

- Three of our IEEE members achieved the 2024 Scholarship funded by CSR initiatives of Quest Global for women engineers, Rs. 50,000/- for each student.
- Students of 2023-2027 (Sidharth S), 2022-2026 (Advaith S Kumar and Mohammed Ashiq), 2021-2025 (Rohit S) & 2020-2024 (Sarath J and Krishnaraj M) batch represented the college in the university cricket match.
- 6 Students of EEE Department represented the college in the university football match.



# GRADUATION DAY

Carmel College of Engineering and Technology organized graduation day ceremony "ENCAENIA" for graduates who passed out during the academic year 2022-2023.



## TALK SESSIONS

A talk Session on "Career in Management Through Management Exams" presented by ENTRi App in collaboration with IEEE Student Branch CCET Alappuzha on 16th September 2023 by Deepak Jose, Quantitative Aptitude And Reasoning Trainer For The Last 11 Years For Various Competitive Exams Including CAT, Bank Exams, GATE & Campus Recruitment Tests.

**ENTRI**IEEE STUDENT BRANCH  
CCET ALAPPUZHA**IEEE**

IEEE Student Branch CCET Alappuzha  
& Entrti App jointly Organising

Talk on Career  
in **Management Through  
Management Exams**

How to Crack CAT & MAT Exams ?  
How to Get into IIMs ?

**WEBINAR**

**SEPTEMBER**  
**16**  
**2023**  
7:00 PM



**DEEPAK JOSE**

Graduate From Govt. Model Engineering College.  
Quantitative Aptitude And Reasoning Trainer For The Last  
11 Years For Various Competitive Exams Including CAT,  
Bank Exams, GATE & Campus Recruitment Tests.  
Provided Training To Students From 195+ Colleges Across India.  
Worked As Programmer Analyst In LTIMindtree For 1 Year.

[REGISTER NOW](#)

## WEBINARS

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

ENTRTI

IEEE STUDENT BRANCH CCET ALAPPUZHA

IEEE

IEEE Student Branch CCET Alappuzha & ENTRTI App jointly organizing

*Free Webinar*

Infinite Possibilities of **GATE Exam**

- › What is GATE ?
- › Preparation Strategy
- › Benefits of GATES
- › Scope in PSU Jobs

Sept 15<sup>th</sup> | 7 PM

**REGISTER NOW**

**AMMU S**  
Mentor at ENTRTI App

## PEP TALKS

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).

CARMEL COLLEGE OF ENGINEERING & TECHNOLOGY  
PUNNAPRA P.O., ALAPPUZHA - 4

Accredited by NBA  
(CE, ME, Tier - II)

**CAMPUS PEP Talk**

Organized by  
Department of Electrical and Electronics Engineering

IEEE STUDENT BRANCH CCET ALAPPUZHA

Speaker  
**Sri. K D Mathisuthan**  
DGM (Rtd.)  
Airport Authority of India

21<sup>st</sup> September 2023  
Thursday | 2.00 PM

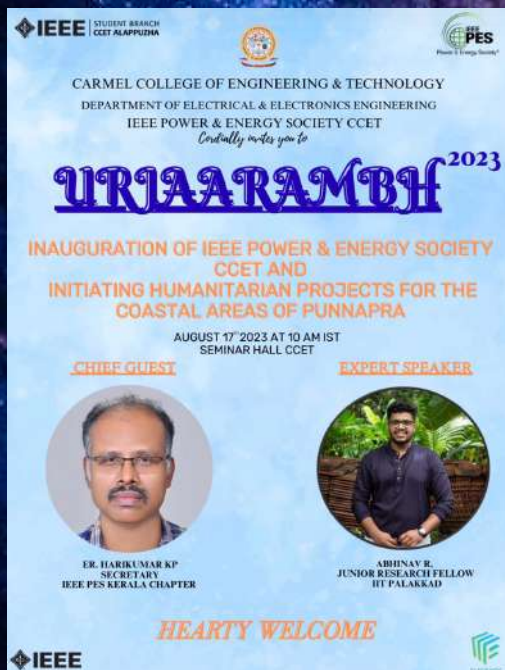
Venue: Seminar Hall

# IEEE STUDENTS BRANCH CCET

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

## URJAARAMBH 2023

The inaugural ceremony of IEEE Power and Energy Society was conducted on 17th August 2023, by Er Harikumar K P, Chairman IEEE PES Kerala chapter. On the same day humanitarian projects for coastal areas of Punnapra was initiated under the guidance of Mr Abhinav R, Junior Research Fellow, IIT Palakkad.



# IEEE 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.



# 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, may the team lead us into a future of electrifying possibilities.



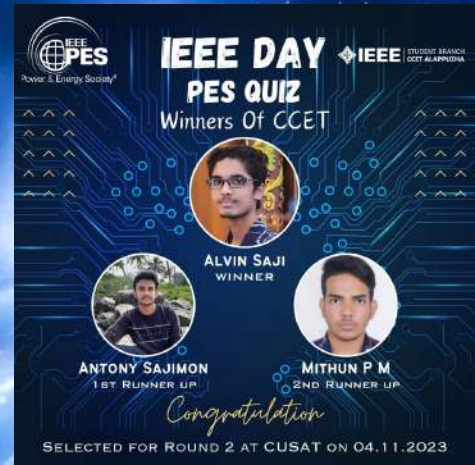
## IEEE Day celebration

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

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



## IEEE Kochi Hub Meet

Kochi Hub Meet is the annual flagship event of IEEE Kochi hub, one of the vibrant hubs of the student activities committee of IEEE Kerala Section. The event is being hosted in collaboration with IEEE SB AJCE on 19th November 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 lead by Mr Vishnu S , Counselor, IEEE SB CCET.



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

The All Kerala Power & Energy Society Student Congress (AKPESSC) was held at RIT Kottayam from October 27th to 29th, 2023. Organized by IEEE PES Kerala Chapter and RIT Kottayam's PES Student Branch, the event brings together volunteers to promote innovations, and showcase technical advancements. Our students Anupama S, Ananya V Anilkumar and Fathima Shahul of 2021-25 batch participated in it.



## **IEEE CCET Project Competition**

IEEE CCET SB in collaboration with IEEE Kochi Subsection, conducted the "IEEE CCET Project Competition" on 29th April 2024.

Our Students Devika Unnikrishnan, Alen John, Gayathri G and Abhishek Anil of 2020-2024 batch got second prize in project competition for their project "PORTABLE SOLAR WATER DESALINATION AND PURIFICATION UNIT"





## ENVIGOR 2.0

Our Student members participating for ENVIGOR 2.0 at Saintgits College of Engineering on 29th June 2024.

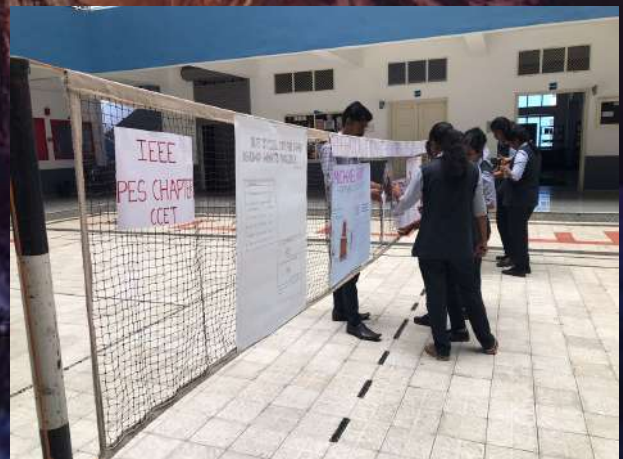


# PROJECT EXHIBITION



## 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.



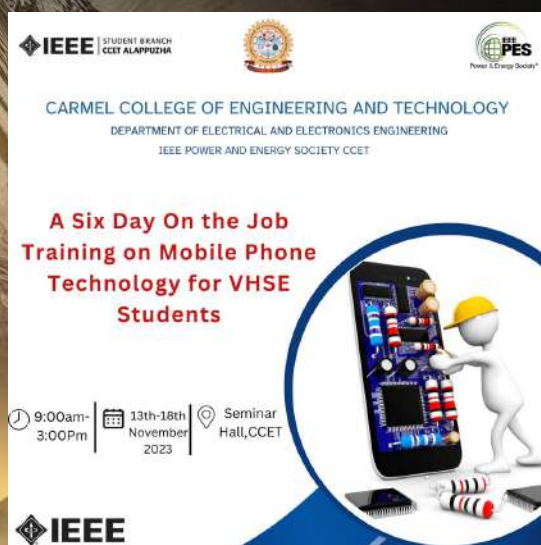
# Michael Faraday's Birthday Celebration Webinar

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, Ms 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 students of Vocational Higher Secondary School, Ambalappuzha was 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 is 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 Abdul Kalam Technological University; Vice Chair, PES Kerala Chapter.

**WEBINAR**  
IMPACTS OF ELECTRIC VEHICLE ADOPTION ON POWER GRID

**23<sup>rd</sup> APRIL 2024**  
7:00 pm

**REGISTER NOW**  
<https://forms.gle/gP5Kw2zr02QWtFCA>

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

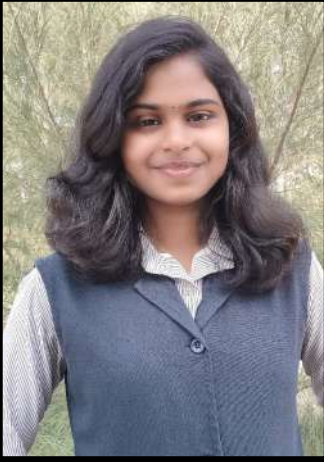
Carmel College of Engineering and Technology  
Department of Electrical and Electronics Engineering

# EXPLORING THE NEW PASTURES OF ARTS AND SPORTS





# PLACEMENTS



**ALEENA ADLIN M**  
CAMEX, MUTHOOT,  
SUTHERLAND, GICE



**AFRIN FATHIMA SAJID**  
SUTHERLAND, GICE,  
HYOSEONG



**AMAL SHAJI**  
SUTHERLAND



**NANDIKESH S**  
SUTHERLAND



**TOMS SIBY**  
SUTHERLAND



**MANU M RAGHAV**  
SUTHERLAND



**KAVYAMOL C S**  
SUTHERLAND



**DEVIKA UNNIKRISHNAN**  
SUTHERLAND



**J JAYASOORYA**  
SUTHERLAND, GICE,  
HYOSEONG



**DEVIKA S**  
SUTHERLAND



**DEEPU DILEEP**  
SUTHERLAND, GENISYS



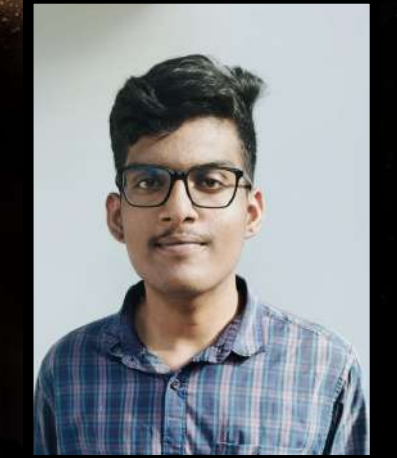
**DEEPAK PRASANTH**  
GICE, ESAF



**BONEY JOSEPH**  
SUTHERLAND,  
HYOSEONG



**VARGHESE MATHEW**  
SUTHERLAND,  
MANAPPURAM  
FINANCE



**PARAMESH MENON**  
ESAF, MANAPPURAM  
FINANCE



**PADMANABH MENON**  
SUTHERLAND, ESAF,  
MANAPPURAM FINANCE



**SARATH J**  
PHISCAPE,  
GENISYS



**ANSU ROSY JOSEPH**  
SUTHERLAND



**ANAGHA LAL A**  
QSPIDERS, PHISCAPE



**ANEESH S**  
QSPIDERS, PHISCAPE



**KRISHNAPRIYA**  
HYOSEONG



**SHEETAL S ABHILASH**  
HYOSEONG



**ZOYA ANSAR**  
HYOSEONG



**AKSHAY KRISHNAN**  
HYOSEONG



**KRISHNARAJ M**  
GENISYS



**ADITHYAN P**  
HYOSEONG



**JOBIN JOSEPH**  
GENISYS

# PHOTO GALLERY

# FUN SHOTS





## STAFF ACHIEVEMENTS

- Recognized as Ph D Research Supervisor of APJ Abdul Kalam Technological University.
- Delivered a talk on the topic "Innovative approaches to Renewable Energy " during an ATAL-AICTE sponsored Faculty Development Program (FDP) organized by GIT Kottayam.
- Reviewer of IEEE Sponsored International Conference ACROSET 2024, Indore.
- Reviewed Paper for Journal Power Electronics and Drive Systems Apr 2024.



**Dr SARATH K S**



**Ms ANET JOSE**

- Presented a paper on "A Review of DPC Techniques Used in DFIG Based WECS in the 2nd International Conference on Recent Advancements in Engineering in the 2nd International Conference on Recent Advancements in Engineering & Technology, organized by LBS College of Engineering, Kasaragod.
- District level evaluator of Young Innovators Programme(YIP 5.0) organized by Kerala Development and Innovation Strategic Council (K-DISC).

- Presented a paper on "Efficient Integration of BLDC Motors for Grid-Tied Solar PV Powered Water Pumping System" in the IEEE-18th International Conference on Compatibility, Power Electronics and Power Engineering, Gdynia Poland.
- Attended the international conference "Society of electrical and electronics engineers in Israel" on the topic of Intelligent Grid Interfaced water pumping system via BLDC Motor.
- Published a journal paper "Enhanced Power Factor Correction and Torque Ripple Mitigation for DC-DC Converter Based BLDC Drive, "Electronics 2023, 12 (16), 3533. DOI: 10.3390/electronics12163533.



**Ms GEETHU  
KRISHNAN**



**Mr ATUL THOMAS**

- Evaluator for Smart India Hackathon (SIH)-2023.
- Resource Person at Mangalam Polytechnic College (MATLAB for Engineers).
- District level evaluator of Young Innovators Programme(YIP 5.0) organized by Kerala Development and Innovation Strategic Council (K-DISC).
- Resource Person at Mangalam Polytechnic College (Mastering the Blend: Advanced Microcontrollers).
- Evaluator of YIP-5.0 (Preliminary Assessment).
- District level Evaluation of YIP 6.0:

- Two patent has been granted for the invention "Wide Area Power System Stabilizer " and "Smart Disinfectant Protection Booth" from Indian Patent Office.
- Presented paper titled "Smart Solar PV charge controller for Offline Grid Applications" in IEEE International Conference ICCPCT 2024 and got published in IEEE Xplore.
- Presented paper titled "Self propelled Wake Board "in International conference ICIST 2024 organized BY Vidya Academy of Science and Technology, Trivandrum.
- Reviewed Articles for Engineering Applications of Artificial Intelligence, Elsevier



**Dr SREEDIVYA K.M**

# SPARKY '24



NOVATOR



## DEPARTMENT ASSOCIATION

ELEGENDS is the student's association of EEE department formed under the guidance of HOD and staff of the department. Association performs its full-fledged participation in coordinating both college level and department level activities. Co-curricular and extracurricular activities from EEE Department are well executed by the association. Electrical and Electronics Department marked their performance as "NOVATOR" in the college level technical fest "SPARKZ" by introducing several events in association with ELEGENDS. Department Association activities are performed well under the skilled guidance of Mr Atul Thomas (staff-in charge) and Ansu Rosy Joseph (student-in-charge).



ATUL THOMAS  
STAFF SECRETARY



ANSU ROSY JOSEPH  
SECRETARY



BONEY JOSEPH  
TREASURER

## EDITORIAL BOARD



CHINNU MARIAM BABY  
STAFF COORDINATOR



ANUPAMA S  
STUDENTS COORDINATOR



SIDHARTH S  
DESIGNER



ELEGENDS

Suggestion/Feedback  
[elegends@carmelcet.in](mailto:elegends@carmelcet.in)