



CARMEL COLLEGE OF ENGINEERING AND TECHNOLOGY  
PUNNAPRA ALAPPUZHA 688004

# @ch@ 3.0

2023

NEVER LOSE YOUR SENSE OF WONDER



THE VOICE OF EEE



# 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.

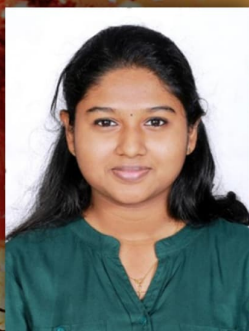
## STUDENT ACHIEVEMENTS

Proud Moment for Electrical and Electronics Department: Graduates of 2018-22 Batch acquired the prestigious positions awarded by the college annually, Rohith S Varier was selected as "The Crown" of CCET for his excellence in academics, co-curricular and extracurricular activities and Anjali J received "The Pearl" of CCET with a CGPA of 9.52.

Neeraja Maria Noel of 2019-23 batch earned Elite silver in the NPTEL course "DC microgrid and control systems".

Minhaj A of 2019-23 batch successfully completed NPTEL course "Cloud Computing" with Elite grade.

Students of 2020-24 batch secured first position in Fr. Gilbert Memorial Football tournament conducted by the college.





# GRADUATION DAY

Carmel College of Engineering and Technology organised graduation day ceremony "ENCAENIA" for graduates who passed out during the academic year 2021-2022.




## WEBINAR

- A webinar on "Electric Vehicle Technology" was presented by Mr Abhinav R, Junior Research Fellow at IIT Palakkad, on March 4<sup>th</sup>, 2022. Technical aspects of Electrical Vehicles and upcoming technologies were the primary goal of this webinar.
- On June 4<sup>th</sup> 2022, a webinar on the topic "Student Membership Benefits of IEEE" was held. Mr Anoop Mathew (Software Developer, UST Global) managed the session.


## PEP TALK


On 11<sup>th</sup> January 2023, Department of EEE organized a PEP talk. The session was handled by Er Sebin Philip (Scientific officer, Bhabha Atomic Research Centre).

**CARMEL COLLEGE**  
OF ENGINEERING & TECHNOLOGY  
Punnappra, Alappuzha

**CAMPUS**  
**PEP** Talk

Organized by  
Department of Electrical  
and Electronics Engineering



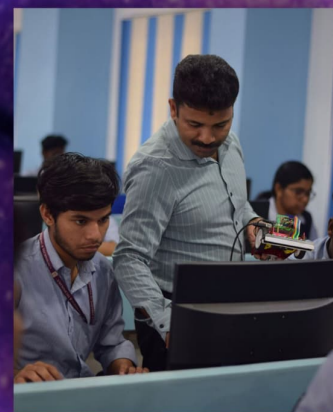
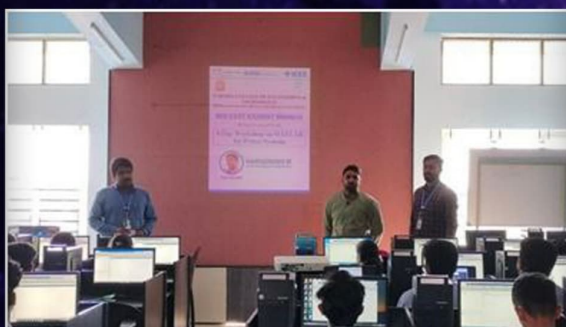
**Er Sebin Philip**  
Scientific Officer  
Bhabha Atomic Research Centre, Mumbai

Wednesday  
11<sup>th</sup> January 2023 | Venue: Seminar Hall



# WORKSHOPS

- A workshop on the topic “Electric vehicle and E-cooking” was organized on 16<sup>th</sup> March 2022 at Carmel College of Engineering and Technology by KSEB.
- IEEE CCET SB and Association of Electrical and Electronics Engineering Department (ELEGENDS) conducted “A 4-Day workshop on MATLAB for Power systems” from 15<sup>th</sup> October to 18<sup>th</sup> October 2022 in the Computer Lab. The workshop was handled by Mr Harigovind M, Assistant System Engineer, TCS.
- IEEE CCET SB conducted “A Robot Building Workshop” on 4<sup>th</sup> April, 2023. Mr Sunil Paul, CEO and Co-Founder of Srishti Robotics and Technology Pvt Ltd was the invited speaker for the workshop. The session provided hands on training for the students to program robot models.



# CONSULTANCY PROJECTS

- Government of Kerala in association with Kerala Development and Innovation Strategic Council (KDISC) brought out the idea of “One District One Idea” (ODOI). The project taken by CCET was the technological upliftment of Kuttanad region in the name “Kuttanadan Initiatives”. The project got a funding of Rs 4,57,000. The project advisory board consists of Dr Sarath K.S (EEE), Dr Reji R (CSE), Dr Kiran R (ME) and Mr Atul Thomas (EEE). The project successfully completed its first stage and the second stage has been initiated.
- Project by Irrigation Dept. (Govt. of Kerala) Funding: Rs.21,000/- Implementing Integrated Surveillance System to Monitor the Sewage Dumping at Alappuzha Canal, Total Project Costing : Rs.1,58,76,665/-. Consultants: Dr Sarath K.S and Dr Reji R.

# IEEE STUDENTS BRANCH CCET

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 STUDENT BRANCH INAUGURATION

The Inauguration ceremony of IEEE Carmel College of Engineering and Technology Student Branch (IEEE CCET SB) – “UDHBHAV” was held on 4<sup>th</sup> March 2022. The Chief Guest of the ceremony was Dr M.V Rajesh Maliyeckal, Chairman IEEE Kochi subsection and IEEE SPS Kerala section



## IEEE CCET SB EXECOM 2022-23

 **IEEE** STUDENT BRANCH  
CCET ALAPPUZHA

 **IEEE**

**IEEE CCET STUDENT BRANCH**  
**EXECOM 2022**

 <b>VISHNU S</b>	<b>Counselor</b>	 <b>AKSHAY JAYADEVAN</b>	<b>Chair</b>	 <b>DEEPTHI K S</b>	<b>Secretary</b>
 <b>AKSHAY S</b>	<b>Treasurer</b>	 <b>J JAYASOORYA</b>	<b>Vice-Chair</b>	 <b>AISWARYA S</b>	<b>Joint Secretary</b>
 <b>SHIBIN SATHYAN</b>	<b>IEEE LINK</b>	 <b>ASWINI AMRUTHAKUMAR</b>	<b>Membership Development</b>	 <b>ANTONY SEBASTIAN</b>	<b>Program Committee</b>
 <b>MINHAJ A</b>	<b>Design Lead</b>	 <b>SREEJITH S</b>	<b>Web Master</b>		





# IEEE XTREME 16.0

IEEE XTREME 16.0 International Coding Competition, A 24 hours Programming and Coding Competition successfully held at Carmel College of Engineering and Technology on 22<sup>nd</sup> October 2022 lead by Mr Vishnu S, Counselor, IEEE SB CCET. About 70+ members participated in the event.



# KSEB POWER QUIZ 2022

J Jayasoorya of 2020-24 batch and Abhinav Rajesh of 2021-25 batch won first place in the Power Quiz 2022 State Level Competition held by the KSEB Officers Association on 5<sup>th</sup> January, 2023.



**FIRST PRIZE IN STATE LEVEL POWER QUIZ COMPETITION  
CONDUCTED BY KSEB**



**FIRST PRIZE IN DISTRICT LEVEL POWER QUIZ COMPETITION  
CONDUCTED BY KSEB**



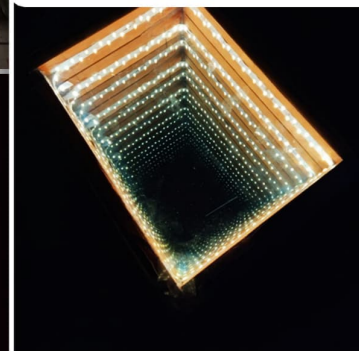
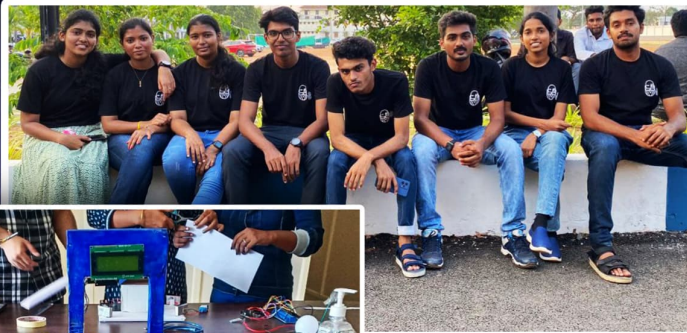
# INDUSTRIAL VISIT

- An industrial visit was arranged by EEE department to State Load Dispatch Centre, Kālamassery ( KSEB) on March 30, 2022 for the batch 2018-22.
- The EEE department scheduled an industrial visit to Neriamangalam Power Plant for the batch 2019-23 on June 24, 2022.
- On July 1, 2022, the EEE department has organised an industrial tour to KEL for the batch 2020-24.
- For the batch 2019-23, the EEE department scheduled a visit to the 220kV Substation, Punnapra on March 13, 2023.





# SPARKZ



# novator



# STAFF ACHIEVEMENTS

- Reviewed two IEEE Conference paper and three journal papers of Elsevier and AIP.
- Filed and published a Patent Application Number:- 202241073518.  
Title:- AN IMPROVED DESIGN AND DEVELOPMENT OF SOLAR CHARGING STATION FOR EV.
- Submitted a joint project proposal to Science and Engineering Research Board in the area of "WIRELESS POWER TRANSFER" with mentors as Dr Chandan Kumar, Associate Professor Department of Electrical and Electronics, IIT Guwahati and Dr E.S.N Raju P, Assistant Professor Department of Energy, IIT Guwahati.
- Completed 30 reviews of journal "RENEWABLE & SUSTAINABLE ENERGY" as on April 2023 by Elsevier ( SCI and Scopus indexed ).



**Dr Sarath K.S.**



**Dr Sreedivya K.M**

- Awarded PhD in Electrical Engg from Kalasalingam Academy of Research and Education, TamilNadu.
- Published paper in "LECTURE NOTES IN NETWORKS AND SYSTEMS" (LNNS) as a proceeding of ICMISC 2022.
- Served as resource person in the 5 days IETE sponsored FDP on Innovations, IPRs and Optimization in Electronic Design with energy Systems in November 2022.
- Published two papers in "INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY".

- Reviewer for IPECS National Conference held in TKM College of Engineering.
- YIP Shasthrapadam District level Coordinator.
- Conference Chair for National Conference held in Sree Buddha College of Engineering.
- Evaluator in Smart India Hackathon, a National level hackathon event.
- Presented a paper at Inter Departmental Research Meet (IDRM) held at TKM College of Engineering.



**Mr Atul Thomas**



**Mrs Geethu Krishnan**

- Got admission in Sandwich PhD program at Ariel University, Israel in the area "BRUSHLESS DC DRIVE CONTROL FOR ELECTRIC VEHICLE".



# PHOTO GALLERY

## FUN SHOTS





# PLACEMENTS AND HIGHER STUDIES



**FATHIMA SAJEEV  
SUTHERLAND**



**ASWIN P  
SUTHERLAND**



**NITHIN SURESH  
SUTHERLAND**



**LAKSHMI KS  
SUTHERLAND**



**ANANTHU R NAIR  
SUTHERLAND**



**SREEHARI KS  
KSDP**



**AHOOJA S DEEP**  
M.Sc ELECTRICAL AND ELETRONICS  
ENGINEERING  
COVENTRY UNIVERSITY,UK



**ROHITH S VARIER**  
MBA AMRITHA VISHWAVIDYAPEETHAM



**VANDANA J**  
PG IN APPLIED ENERGY MANAGEMENT  
CONESTOGA COLLEGE,CANADA



# DEPARTMENT ASSOCIATION

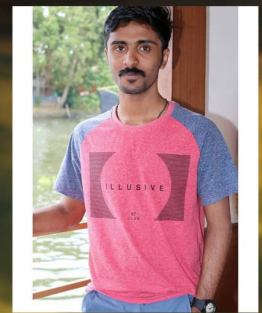
ELEGENDS is the student's association of EEE department formed under the guidance of HOD and staff of the department. Association performs its full-fledged participation in coordinating both college level and department level activities. Co-curricular and extracurricular activities from EEE Department 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



SONA SHAJI  
STUDENT COORDINATOR



ANEESH S  
DESIGNER



**ELEGENDS**

Suggestion /Feedback  
elegends@carmelcet.in