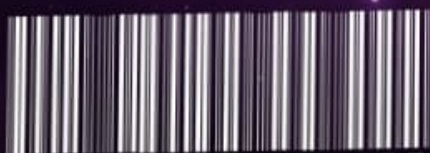




CARMEL COLLEGE OF ENGINEERING AND TECHNOLOGY
PUNNAPRA ALAPPUZHA 688004

@chö²⁰²²

NEVER LOSE YOUR SENSE OF WONDER



THE VOICE OF EEE

ABOUT THE DEPARTMENT

VISION

Moulding Electrical and Electronics Engineers Innovators and Entrepreneurs with Intergrity 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

In the academic year 2019-2020, Anjali S and Neenumol P P of S8 have secured SGPA 10 in 8th semester Btech Degree examination APJ Abdul Kalam Kerala Technological University.

Arun S (Alumini of EEE Dept) badged first prize in Logo Designing Competetion for Sparkz'19.

2016-2020 batch of EEE Department secured first position in KTU Rank List based on Branch Wise Pass Percentage in 6th semster B.tech Degree Examination.

Joel.P.Joji (2015-2019 batch of EEE Dept) got first prize for Seminar competition conducted by KSEB Association Alappuzha.

In the academic year 2019-2020, Anjali J and Gokul Krishnan T G of S7 has secured SGPA 10 in 4th semester Btech degree examination ,APJ Abdul Kalam Kerala TechnologicalUniversity.



ANJALI S



NEENUMOL P P



ARUN S



GOKUL KRISHNAN



ANJALI J

GRADUATION DAY

Carmel College of Engineering and Technology organised graduation day ceremony "ENCAENIA" for graduates who passed out during the academic year ,2018-2019, 2019-2020, 2020-2021.



POWER QUIZ

Anjali J of S7 EEE and Abhinav Rajesh of S1 EEE have secured first place in the online Power Quiz 2021 District Level Competition conducted by KSEB Officers Association on 25th November 2021.



HACKATHON

REBOOT KERALA HACKATHON 2020 was a 36 hours Hackathon competition conducted by ASAP Kerala. Many teams participated in the primary level competition. Two teams got selected from the college for the next level of competition.

Hackathon team includes Rohith S Varier (EEE), Athul M T (EEE), Fathima Sajeev (EEE), Joel Joseph George (ME), Augustine J (EEE) and Chaitra (CS). The team Mentor was Mr. Atul Thomas, Asst. Professor, EEE Department CCET.

The main aim of this program was to develop an application to detect the potholes present on roads and to provide early warning to users through any map. The team used an ultrasonic sensor to identify the potholes and linked the data with Google Maps.



SEMINAR

Seminar on "Smart grids: Scope and challenges" was conducted on 30th September 2019 by EEE Department Association ELEGENDS. The session was handled by Dr. Krishnakumar, Director CEEBA.

KSEB Engineers Association Alappuzha in Association with IEEE Kerala and PES conducted 10th seminar series district level competition for BTech students in Kerala at CCET on March 14th 2019.

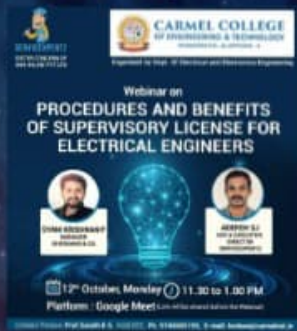


- **MOU signed with HMT Kalamassery on 20th of April 2019.**



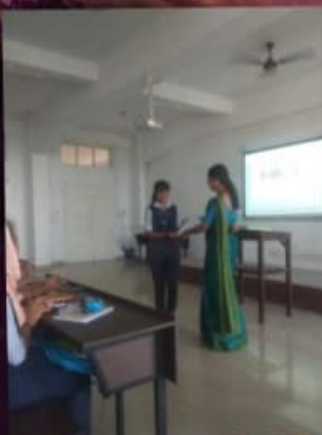
WEBINAR

- An online webinar on "Procedures and Benefits of Supervisory Licence for Electrical Engineers" was held on 12th October 2020 virtually through Google meet platform .The speaker for the session was Shyamkrishnan P (Dhershans & Co.) and Adersh SJ (CEO & Executive Director Service Expertz).The main objective of the webinar was to provide an overview about the technical aspects related to supervisory license.
- Webinar on "Benefits of IEEE Membership" as conducted on 19th January 2021 and 27th January 2022 by the association of EEE Department, ELEGENDS. The session was handled by Mr.Vishnu S, Assistant Professor,EEE Department, CCET.
- An online webinar on "Basic awareness about PLC, SCADA, VFD and Future of Industrial Automation was organised by EEE Department on 22nd April 2021. The speaker for the session was Mr Faizal Farook, Director, Ivion Industrial Academy.



WORKSHOP

- Workshop on Circuit Designing and Assembling conducted by ELEGENDS, association of EEE Department on 27th Feb 2019.The session was handled by Mr Vishnu S, Assistant Professor, EEE Department, CCET.
- A workshop on the topic of Electrical Design and Drafting by MEP Centre Kochi was organized on 17th February 2020 at Carmel College of Engineering and Technology.



SPARKZ

The EEE Department organised "SPARKZ 2K19", a department level contest with multiple technical events on 11th and 12th of October 2019. Sparkz 2k19 received an overwhelming response in all its events. It was a very well organised and successful event.

The motive of this event was to develop various skills of students in co-curricular activities and to expose them to the current trends in the technical and professional fields.

Sparkz 2K19 includes various events like:

- Quizathon
- Air Raptor
- Expedition Unknown
- Circuitrix
- KSEB EXPO
- Genesis
- Lone Survivor
- Minute to Win it
- Technovate (paper presentation)
- Technocrity



SPARKZ

innovation unleashed!

STAFF ACHIEVEMENTS

- **Awards** : Honoured by Honorary Rosalind Membership of London Journal Press based on publication "Modelling and Optimal Design of LLC Resonant Converter using Whale optimization Algorithm".
- **Conference Session chaired** : Served as Session Chair of the Track 'Recent advancement in Electronics and Communication (RAEC) 'In the International Conference on Research Advances in Engineering and Technology' (ITechCET 2021) organized by MCET, Pathanamthitta, Kerala, India in the month of September 2021
- **FDP/Webinars** : Participated in the webinar series on "Accreditation and Quality of Engineering Education from ABET Perspective", organized by Strategic Initiatives for Academic Engagement, IEEE Kerala Section, in association with APJ Abdul Kalam Technological University, Kerala in the month of May 2020.
- Attended five days online FDP on "INDUSTRIAL ELECTRICALSAFETY - ISSUES and INNOVATIONS" organized by Department of Electrical and Electronics Engineering, MCET, Pathanamthitta, in association with ISTE Kerala chapter in the month of March 2021.
- Attended 14 days Online Faculty Development Program on "a2z of NBA Accreditation Process"organized by Department of Electronics and Communication Engineering under the aegis of Internal Quality Assurance Cell (IQAC), Inderprastha Engineering College, Ghaziabad,in the month of August -September 2021.
- **IEEE** : Elevated as senior IEEE member
- **Workshops**: Participated IEEE R10 Workshop. on the Panel of Conference Organisers (POCO) by IEEE Kochi Subsection in association with APJ Abdul Kalam Technological University in the month of September 2021.



Dr. Sarath K.S.



Mrs. Geethu Krishnan

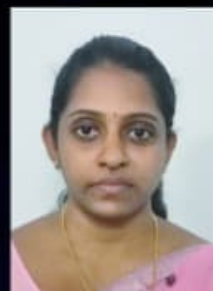
- **FDP/Webinars**: Participated three days webinar series on 'Scope of Electronics Engineers in Post Pandemic Situation' organized by Department of Electronics and Communication Engineering, MCET Pathanamthitta in association with ESSCI, Sahasra Electronics Pvt Ltd, Soft Launch & INKER Robotics in the month of August 2020.
- Attended five days APJAKTU sponsored online FDP on "Biomedical Instrumentation-Research Challenges" organized by Department of Electrical & Electronics Engineering and Electronics & Communication Engineering, Amal Jyothi College of Engineering, Kanjirappally in the month of February 2021.
- Attended the FDP on State of the Art Technologies in EV Control & organised by the Department of Electrical Engineering, Government Engineering College Palakkad, sponsored by TEQIP-II Four Funds in the month of March 2021.
- Attended five days online FDP on "INDUSTRIAL ELECTRICALSAFETY - ISSUES & INNOVATIONS& organized by Department of Electrical & Electronics Engineering, Musaliar College of Engineering & Technology, Pathanamthitta, in association with ISTE Kerala chapter in the month of March 2021.

- **FDP/Webinars** : Attended the FDP "State of the Art Technologies in EV Control" organised by the Department of Electrical Engineering, Government Engineering College Palakkad, sponsored by TEQIP-II Four Funds in the month of March, 2021.
- Participated and completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Power Electronics for Power systems" at RIT, Kottayam in the month of December 2021.
- Attended five days online FDP on "INDUSTRIAL ELECTRICALSAFETY - ISSUES & INNOVATIONS " organized by Department of Electrical & Electronics Engineering, Musaliar College of Engineering & Technology, Pathanamthitta, in association with ISTE Kerala chapter in the month of March 2021.



Mrs. Anet Jose

- **STTP:** Participated in online STTP on 'Potential areas in renewable technologies and grid integration', in the month of November 2021.
- **course completed(NPTEL)** : Successfully completed NPTEL course on 'DC Microgrid and Control system' with a consolidated score of 76 %.
- **Phd:** Shortlisted for PhD admission at IIT Palakkad ,in the month of December 2021.



Mrs Jisha Joseph



Mrs Nisha Prakash

● **FDP/webinars:**

- Participated in three days webinar series on 'Scope of Electronics Engineers in Post Pandemic situation' organised by MCET , Pathanamthitta in the month of August 2020.
- Attended five days KTU sponsored FDP on ' Biomedical Instrumentation Research Challenges' organised by AJCE,Kanjirappally ,in the month of February 2021.
- Attended a five day Faculty Development Programme on Opportunities and Challenges of Integrating Renewable Energy in Smart Grid' organised by VJCET, in the month of March 2021.

- **course completed (NPTEL):** Successfully completed 12 weeks course by NPTEL on 'Power Electronics', in the month of September -December 2020

● **FDP/webinars:**

- Attended KTU sponsored FDP on 'Recent Advances in Power Electronics and Power System' organised by department of EEE ,MITS in the month of June 2021.
- Attended KTU sponsored online FDP on 'Green Energy: Conservation and Management' organised by department of EEE, MGM college in the month of June 2021.



Mrs Shani S J



Mr Vishnu S

- Delegated as one of the resource persons of Carmel Polytechnic College.
- Delivered talk on 'Scope of Electrical and Electronics Engineering' in the first year induction training program at Carmel Polytechnic College.
- Bagged Silver medal for the NPTEL course on 'Advances in UHV Transmission and Distribution' with 86% score and was one of the topper among the top 5%. Elite NPTEL Certificate has been awarded for the same.
- **FDP/webinars:** Participated in FDP 'State of the Art Technologies in EV Control' organised by the Dept of EEE, GEC ,Palakkad,sponsored by TEQIP-II Four Funds in the month of

- **Workshops:** Participated in online workshop on 'Deep Learning Networks for Image Processing' organised by IEEE India Council in the month of December 2021.

● **Volunteerism:** Acted as Volunteer of IEEE India Council Educational Activates for the year 2021.



Mrs Sreedivya K M



Mr Atul Thomas

- **Hackathon event :** Participated as a evaluator for Toycathon, a national level hackathon event. Participated as a mentor for Hackathon 2020.
- **FDP/webinars :**
- Participated in a webinar on "Electric Power Transmission" on 21st January 2021 organized by department of EEE, AJCE Kanjirappally.
- Participated in a webinar on "Condition Monitoring and Protection of Power System Equipment" on 28th January 2021 organized by department of EEE, AJCE Kanjirappally.

IEEE STUDENT BRANCH CCET

IEEE provides a technical platform where students, faculties and the industrial experts to share their technical views, discuss their innovative ideas and coordinating the different technical events. It also includes humanitarian activities and women empowering.

The IEEE student branch of Carmel College of Engineering and Technology has got approval from IEEE Kerala Section in the month of November 2021.

• IEEE CCET SB EXECOM 2021-22



Vishnu S
SB Counselor



Rohith S Varier
SB Chair



Gokul Krishnan T G
SB Secretary



Ahooja S Deep
SB Treasurer



Akshay Jayadevan
SB Vice-chair



Anjali J
Program Committee Lead



Aswin S K
MD Lead



Arun Hari
Design Lead

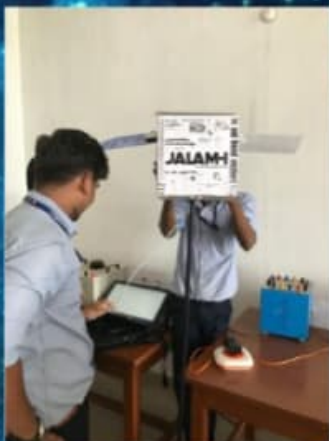
• IEEE XTREME 15.0

A team of 24 members (8 team) participated in International 24 hr time span, IEEE Xtreme Programming Competition 15.0. The coordinator for the event was Mr Vishnu S (Assistant Professor, Dept of EEE). This has offered a great opportunity for our IEEE members for networking with International participants.



PHOTO GALLERY

projects



Fun shots



Random shots



PLACEMENT



ASHIQ NADAR
SUMANAM CONSULTANCY Pvt.Ltd
2020-2021



NITHU S KUMAR
CHERIAN VARKEY
CONSTRUCTION COMAPANY
2020-2021



RIHAINA RIYAS
LINWAYS
2020-2021



ANILA MARIYAM JOSEPH
LINWAYS
2020-2021



NIDHIN DAS
POWERFACT
2019-2020



NEENUMOL P P
HPCL
2019-2020

ABOUT THE ASSOCIATION

ELEGENDS focuses mainly on enhancing engineering skills, soft skills and overall development of the students. The association aims to give immense opportunities about electrical energy conservation and its significance in society and to develop new technology in the field of robotics and automation. The activities of ELEGENDS are organised with a vision to enable the students to understand the practical aspects of energy and how to use them in appropriate and judicious manner.



VISHNU S
STAFF SECRETARY



NISHA PRAKASH
STAFF TREASURER



GOKUL KRISHNAN
SECRETARY



MEGHA KRISHNAN
TREASURER

EDITORIAL BOARD



SREEDIVYA K M
STAFF COORDINATOR



ANJALI J
STUDENT COORDINATOR



-Anesh S
DESIGNER



ELEGENDS

Suggestions /Feedback
elegends@carmelcet.in

"HOPE" is being able to see that there is light despite all of the darkness.
Thanking to all for to convey my thought into this magazine..