◆IEEE

AURA | EDITION 02

EDITION 02

Welcome to Edition 02 of Aura. In this Edition, we're shining the spotlight on IEEE Student Branch CEV's innovative initiatives, highlighting past success, and sharing insider insights.

AURA

In AURA, you'll find a mix of technical insights, personal experiences, and glimpses into the future of electrical and computer engineering. AURA celebrates the spirit of innovation that defines our Student Branch.

◆IEEE
Advancing Technology
for Humanity

Greetings,

Welcome to the second edition of the IEEE SB CEV Newsletter: AURA 2023. As we embark on this exciting journey, let's celebrate the spirit of curiosity, collaboration, and cutting-edge technology.

In this issue, discover inspiring stories, relive event highlights, and catch up on updates from our vibrant community. Whether you're a seasoned enthusiast or a fresh face, we're thrilled to have you on board.

Stay tuned for more electrifying content, insightful articles, and opportunities to connect. Let's soar together!

Warm regards,

IEEE SB CEV Team

CONTENTS

EDITOR'S NOTE

CHAITHANYA SHAJI
CHIEF EDITOR

SAHAF M FAISAL
DESIGNER

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Dear IEEE Student Branch members,
AURA 2023, our second newsletter edition, is here! As we embark on this new chapter, we are delighted to share the latest updates, achievements, and stories from our vibrant community.

In this issue, you'll find a mix of technical insights, personal experiences, and glimpses into the future of electrical and computer engineering. From cutting-edge research to practical applications, AURA 2023 celebrates the spirit of innovation that defines our Student Branch.

As editors, we extend our heartfelt gratitude to all contributors, whose passion and expertise have enriched these pages. Your dedication inspires us to continue pushing boundaries and exploring new horizons.

Whether you're a seasoned member or a fresh face, we encourage you to immerse yourself in the articles, engage in discussions, and connect with fellow enthusiasts. Let's make AURA 2023 a platform for collaboration, learning, and growth.

Thank you for being part of our journey. Together, we'll continue to elevate the IEEE Student Branch College of Engineering Vadakara.

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IEEE

IEEE is a non-profit, global professional organization that facilitates networking, collaboration, and knowledge-sharing among engineers, scientists, and technology professionals. Committed to advancing technology for humanity, IEEE fosters innovation, promotes excellence in engineering education, and advocates for policies enhancing the profession.

One of IEEE's key activities involves organizing conferences and events, such as symposia, workshops, and seminars, where experts converge to discuss and exchange the latest developments in diverse fields like robotics, automation, renewable energy, and sustainable development.

IEEE is a prolific publisher, producing technical journals, magazines, and other publications crucial for researchers and practitioners in engineering and technology. Covering areas like electrical engineering, computer science, telecommunications, and biomedical engineering, these resources contribute significantly to the dissemination of knowledge.

An integral aspect of IEEE is its role in developing industry standards. It actively participates in creating standards for various technologies like wireless networks, electric power systems, and information technology, ensuring interoperability, reliability, and safety in industry products.

Providing ongoing education opportunities is another essential function of IEEE, offering members online courses, professional development workshops, and certification programs. These initiatives enable members to stay current with emerging technologies, trends, and further enhance their skills, promoting ethical and professional conduct.

In summary, IEEE plays a vital role in advancing technology and fostering the ethical and professional growth of its members. It serves as an invaluable resource for engineers, scientists, and technology professionals striving to remain at the forefront of their fields and contribute positively to society.

IEEE SB CEV

The IEEE Student Branch College of Engineering, Vadakara is one of the most active and successful IEEE student branches in Kerala. Since our establishment a decade ago, we have grown to have over 70+ student members, 3 graduate members, and 3 active societies: IEEE Computer Society, Power Energy Society, and Education Society. We also have a Women in Engineering Affinity Group (WIE AG) to support and inspire female students in engineering.

Our branch organizes various programs and events at different levels, such as Fledge, Volant, and TeqWiEn, which have received positive feedback and outcomes from the participants. We also achieved our first international recognition last year by winning a bronze medal in the Darrel Chong Student Activity Award for Magnathon'22, which showcased our commitment and excellence.

Our branch also has many talented members who have participated and won accolades in regional, sectional, hub, and student branch-level competitions. We also have our members getting into sectional and hub-level teams showcasing our vigours SB. Our aim is to provide a platform for young engineers to develop their technical and innovative skills and to contribute to society with technology and education. Our motto is: "Alone we can do little, together we can do too much.

We welcome all the interested enthusiastic and passionate engineering minds to joining our prestigious community, where we can shape the future of engineering.

CE VADAKARA

College of Engineering Vadakara (CEV) formerly known as Co-operative Institute of Technology, Vadakara, is the first engineering college under Co-operative Academy of Professional Education (CAPE) established by Govt. of Kerala in the year 1999. This was started with a broad vision of assisting the Government to impart quality education to the meritorious and economically backward students in the State without much financial burden.

CEV is committed to the Government of India and Government of Kerala policy of uplifting the weaker sections of the society by imparting professional education to the students. Accordingly, CEV is located in the socially and educationally backward Malabar region of Kerala state. CEV is located at Kurunthodi in Maniyur village 13 km away from Vadakara town along the Palayad, Maniyur road. CEV is situated on the hilltop of "Kakoramala", with lush green and beautiful surroundings stretching over an area of about 27 acres. The nearest railway station, Vadakara is 14 Km away from the campus.

Vision

To be a world class technical education institute, with the highest quality and standards of excellence to meet the demands of business, industry and the community and thereby to contribute to India's socio-economic progress.

Mission

To develop high quality personnel with a sound footing on basic engineering principles, innovative research capabilities. and exemplary professional conduct to lead and to use technology for the progress of mankind, adapting themselves to changing technological environment with the highest ethical values as the inner strength.

MESSAGES

> **"**
>
> Dear Students,
>
> I am delighted to extend my warmest greetings to each and every one of you for publishing the second edition of IEEE newsletter, AURA 2023. Here at College of Engineering Vadakara, we take great pride in fostering a culture of innovation, excellence, and growth.
>
> As aspiring engineers and technologists, you possess the unique skills and talents needed to make a real difference in the world. Whether it's developing cutting-edge algorithms, designing intelligent systems, or leveraging data analytics to drive decision-making, your contributions have the power to transform industries and improve lives.
>
> I encourage each and every one of you to embrace the challenges that lie ahead with enthusiasm and determination. Be curious, be bold, and never be afraid to think outside the box. Remember that failure is not the opposite of success, it is a stepping stone on the path to greatness.
>
> Together, we have the power to shape the future and create a world that is smarter, more efficient, and more equitable for all.
>
> Wishing you all the best.
>
> Warm regards,
>
> **"**

DR JOSEPH O A
PRINCIPAL,
CE VADAKARA

MESSAGES

66

Dear IEEE members,

Welcome to the second edition of the IEEE SB CEV Newsletter. I want to express my sincere gratitude to the visionary leaders at IEEE and the esteemed society chairs, who, with unwavering dedication, have propelled the progress of IEEE SB CEV. Their efforts, coupled with those of our passionate volunteers, have not only broadened the horizons of our Student Branch but also forged remarkable opportunities through various societies, truly elevating the essence and impact of IEEE SB CEV.

Heartiest congratulations to the IEEE SB CEV for being honored with the prestigious Darrel Chong Student Activity Award - 2023 for the successful organization of MAGNATHON'22. This accolade not only reflects the dedication of our SB but also contributes to the international recognition of our college within the Technical Community.

In today's interconnected world, effective communication is paramount for organizational success. Newsletters serve as a vital tool, bridging the gap between the organization and its members while reaching out to interested non-members. With unwavering volunteer support, our Student Branch is committed to equipping, educating, and actively engaging members through various training and upskilling initiatives.

The chapter remains devoted to recruiting, commitment, and development initiatives to better serve its members, fostering a higher level of participation in upcoming activities. In conclusion, I extend sincere congratulations to the editors of this newsletter and the entire team involved in its creation.

I trust you will find this edition of the IEEE Newsletter insightful and informative. As always, please feel free to contact us at ieee.sb@cev.ac.in with any suggestions or feedback.

Sincerely,

99

JISHA M V
SB COUNSELLOR
IEEE SB CEV

MESSAGES

> I'm excited to announce the launch of the second edition of the IEEE SB CEV newsletter. As the Counselor, I take immense pride in the initiative and dedication displayed by our students in bringing this newsletter to fruition.
>
> This edition serves as a demonstration of our students' creativity and dedication, highlighting their talents and offering an inspiring platform for the broader IEEE community.
>
> Reflecting on the past year, I am grateful for the continued engagement and support from our members. Your participation has been pivotal in making IEEE SB CEV a genuine representation of our shared passion for technology
>
> As we embark on this new phase, let's recall that IEEE is not just an organization; it is a global network. I encourage each of you to connect and collaborate, reinforcing the bonds within this expansive community.

DR NITHIN T
PES SBC
ADVISOR

> It is my pleasure to congratulate the think tank and activists behind design and release of this newsletter as well as organization of various activities held in our campus of CEV.
>
> As all of us know, today's is the world of skill development and as far as technical students community is concerned, these sort of activities bill boost both technical as well as managerial skill sets of our young tech enthusiasts.
>
> There is no doubt that society around us will benefit from all the committed moves we are making and technical bodies will act as a bridge between our college and the rural community. Also hope that our projects shall connect our techies to the industrial world.
>
> Best wishes to the entire team involved in this endeavor. Looking forward, I advise all members to embrace the spirit of innovation and collaboration in the coming year. Your contributions, ideas, and active involvement will undoubtedly shape the future success of our IEEE SB CEV community.

MUMTHAS T K
CS SBC ADVISOR

MESSAGES

AATHSHA MEHAR
CHAIRPERSON
2023-24

"

We are delighted to present you with our newsletter for the year 2023. This newsletter is a platform to showcase the achievements, activities, and events of our IEEE Student Branch and its chapters.

Last year was very special for our student branch as we won the bronze category in the Darrel Chong Student Activity Award 2023, which is the first international recognition for our outstanding performance in organizing quality and value-driven student activities. We also had splendid events last year, including many humanitarian ones, that enriched our learning and social experience.

Congratulations and thank you to my team for their efforts and continuing enthusiasm. I had a fun and memorable time serving as the chairperson of IEEE SB CEV. I am proud of our achievements and grateful for your support.

"

Dear Team,

It has been a pleasure to serve IEEE SB CEV as a Mentor for an year. The experiences and skillsets I've gained through this journey of 5+ Years have paved the path to what I've succeeded. It is a great honor to be invited to write a message to the team that has been excelling throughout the year 2023-24. It's heartening to witness the growth of CEV through IEEE and its benefits. Also, Congratulations on securing the very first international recognition, the Darrel Chong Award withe the Bronze for Magnathon '22. Best wishes to the newly elected Execom 2024-25, and regards to the past executive committee members of IEEE SB CEV 2023-24.

#joyofVolunteering

HAFIS C P
CHAIRPERSON
2022-23

"

Greetings CEVians!

As a proud alumnus of CEV, I fondly remember my involvement in IEEE and how that has benefited me in one or many ways. The branch provided me with many platforms to get to know more about technologies which I might not have given attention if it was not through IEEE, got many chances to come out of my comfort zone, meet and interact with people from different part of the world, which proved invaluable in various situations in both my personal and professional life.

I encourage all current members to make the most of the opportunities offered by the student branch. Network with professionals, participate in workshops and projects, and don't be afraid to step outside your comfort zone. The skills and connections you gain will last a lifetime.

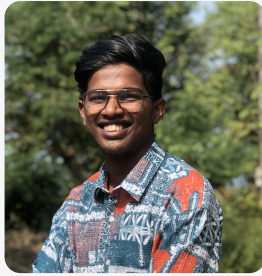**ATHEENA M R**
CHAIRPERSON
2019-21

EXECOM 2023

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CHAIRPERSON

ASHFAQH AHMED P
VICE CHAIRPERSON

AMELSHA B
SECRETARY

ASWIN V
JOINT SECRETARY
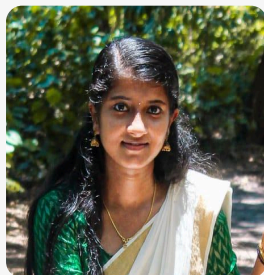

JYOTSNA JOSHY
JOINT SECRETARY

BENISON ABRAHAM
TREASURER

DEVANG C V
MD COORDINATOR

LAMIYA NOUSHAD
LINK REP

HELNA J
TECHNICAL LEAD

SAYOOJ V P
DESIGN LEAD

AYISHA NAHIDA
WEB MASTER

WIE EXECOM 2023

THAMEENA PARVEEN
CHAIRPERSON

GEMIMA V A
VICE CHAIRPERSON

SANDRA RAMESH
SECRETARY

CS EXECOM 2023

CHAITHANYA SHAJI
CHAIRPERSON

SRAVAN JYOTHIS K J
VICE CHAIRPERSON

SANDRA P
WIC

PES EXECOM 2023

JISHU SHIJU
CHAIRPERSON

BADHARINATH
VICE CHAIRPERSON

SAYUJ J
SECRETARY

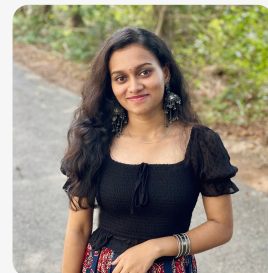**UMMU UMARA NAVAS**
WIP

EDSOC EXECOM 2023

GOPIKA S
CHAIRPERSON

NAVANEETHA K
VICE CHAIRPERSON

DEVIKA
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AYISHA NAHIDA
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JISHA M V
SB COUNSELOR

MUMTHAS T K
CS SBC ADVISOR

DR NITHIN T
PES SBC ADVISOR

HAFIS C P
MENTOR

ACHIEVEMENTS

**IEEE LINK 2024
STUDENT LEADERSHIP TEAM**

**IEEE CSKS 2024
VOLUNTEER TEAM**

DEVANG C V
CO-TREASURER

BENISON ABRAHAM
WEB MASTER

SAHAF M FAISAL
ASSOCIATE DESIGNER

**IEEE DAY 2023
AMBASSADOR**

**IEEE XTREME 17.0
AMBASSADOR**

LAMIYA NOUSHAD

SHIBIN RASHEED

DARREL CHONG AWARDS - 2023

We are proud to share that the IEEE Student Branch CEV has been honoured with the Bronze Award in the prestigious Darrel Chong Student Activity Award 2023. This award is a global recognition for outstanding student activities that create value for the IEEE community and society.

The Darrel Chong Student Activity Award was established in 2010 which aims to encourage and recognize outstanding student activities worldwide. It encourages student groups to focus on value-driven initiatives rather than the number. The award is categorized into four levels: Bronze, Silver, Gold, and Platinum, with each level representing increasing excellence.

Magnathon 22: Our Winning Initiative

Our winning activity, Magnathon 22, a 24-hour hackathon that challenged students to solve real-world problems using their engineering skills. We organized Magnathon 22 in collaboration with several sponsors and partners, including industry experts, academic institutions, and social organizations. We attracted over 200 participants from different disciplines and backgrounds, who formed teams and worked on various challenges, . We also provided mentorship, networking, and learning opportunities for the participants, as well as prizes and certificates for the winners.

We extend our heartfelt gratitude to all the participants, organizers, and volunteers who made Magnathon 22 a resounding success. Your enthusiasm and hard work have brought us this prestigious recognition.

As we celebrate this achievement, let's continue to innovate, collaborate, and create impactful experiences for our student community. Together, we can reach even greater heights!

ANNUAL GENERAL MEET - 2023

The Annual General Meeting of IEEE SB CEV was held on 28th April 2023 with the esteemed presence of our IEEE SB Counsellor, Dr Smitha CK, and our IEEE PES Advisor Mr Nithin T. With the unwavering support of our IEEE Execom'22 and all other determined IEEE Members, the meet was initiated around 10 AM. Together we reminisced and witnessed the completion of IEEE SB CEV 2022-23 and the commencement of our new journey.

During the meet, Dr Smitha CK and Mr Nithin T unveiled our First ever Annual Newsletter named 'AURA 2022',a true insight of IEEE SB CEV 2022,Muhammed Fuwad PK, Design Lead/ECC IEEE SB CEV and Fathima Riza, WIC of IEEE CS SBC were the key contributors to the success of our newsletter 'AURA 2022'. To access the digital version of 'AURA', it will be made available at 'min.Ic/aura-22'.

Mr. Hafis CP, Chairperson IEEE SB CEV 2022-23, captivated the audience by reminiscing about IEEE SB CEV Events Reports and Financial Reports. Events. such as 'Chroma', and 'Magnathon' hoped such events would benefit participants' academic & career journeys. He expressed his appreciation to the newly elected Execom Members for their unwavering contributions and emphasised how Joining IEEE nad profoundly influenced his personal and professional growth

He expressed gratitude to the Advisors. Execom Members and other fellow volunteers for the guidances and immense support, on behalf of IEEE SB CEV.

In our profound celebration of extraordinary volunteers, we honored the unparalleled dedication of Aathsha Mehar, Pravitha P, Helna J, and Sharoon Rafeeq. Their unwavering commitment serves as a beacon of inspiration. Magnathon and Teawien 3.0 stand as monuments to innovation and empowerment, igniting change and possibility. Dr. Smitha CK's illustrious 14-year journey echoes with timeless significance, a testament to her unwavering devotion. With hearts brimming with gratitude, we extend our deepest appreciation to all volunteers for their boundless selflessness in propelling our noble mission forward.

To mark the end of this momentous event, the former and present Execom Members, as well as the dedicated IEEE SB CEV Members, gathered for capturing a final snapshot of their collective journey till now before they stepped into their next expedition. With great honour, they were joined by the esteemed presence of Dr. Smitha CK

IEEE SB EVENTS

MEMBERSHIP DESK

The IEEE Membership Development Desk took center stage at the College of Engineering Vadakara from August 16th to 19th, 2023. The primary goal was to raise awareness about the significant benefits of IEEE membership for students and professionals in engineering and technology. The event served as a dynamic platform, providing attendees with insights into the diverse services and resources offered by IEEE, including professional development, networking events, and access to cutting-edge research.

Newcomers engaged with IEEE representatives, exploring membership benefits through interactive discussions. The event effectively showcased the advantages of belonging to the IEEE community, emphasizing not only individual growth but also the broader mission of advancing technology for the benefit of humanity.

The success of the Membership Development Desk in connecting with new members underscores the importance of initiatives that foster both personal and societal growth. These events play a pivotal role in advancing IEEE's mission, highlighting the organization's dedication to spreading awareness about the myriad advantages it offers to the engineering and technology industries.

MEMBERSHIP DRIVE

The IEEE student branch at the College of Engineering Vadakara recently organized an Orientation Session on October 3rd, 2023. Led by Mr. Devang, the Membership Development Coordinator of IEEE SB CEV, the event aimed to familiarize first-year students with the rich history, mission, and diverse initiatives of IEEE. The accomplished lineup of speakers, including Mr. Ashfaq Ahmed, Mr. Shibin Rasheed, Ms. Navaneetha, Mr. Jishnu Shiju, and Ms. Gemima, shared valuable insights into different IEEE societies and affinity groups, highlighting vast opportunities. With nearly 190 enthusiastic students in attendance, the session served as a valuable platform for connecting with peers and exploring numerous IEEE opportunities, inspiring confidence in the first-year students. The success of the event was attributed to the dedication of over 10 volunteers who ensured the smooth program conduct, contributing to a vibrant atmosphere and fostering a sense of community among attendees.

In essence, the IEEE Orientation Session at CEV was a resounding success, setting the stage for an exciting and fulfilling journey for first-year students, providing essential information, and creating an inclusive space for networking within the IEEE community.

VOLANT 3.0

Volant 3.0, a series of events aimed at fostering talent and engaging the freshers at College of Engineering Vadakara, featured three captivating competitions: "Rhapsody" - an AI-based poem writing contest, "Cosmogyral" - an essay writing competition centered around AI in space and "Shutter" – The shadow photography competition. The event was meticulously designed to uplift and identify the potential of the incoming students, offering them a unique platform to express their creativity and knowledge.

Rhapsody - AI-based Poem Writing : The Rhapsody competition received an enthusiastic response, totaling 144 submitted poems. Students embraced the chance to showcase their poetic talent, with the innovative addition of AI components.

Judging criteria included not only creativity but also the seamless integration of AI elements. The winners are:

1. VARSHA
2. ANJITHA RAJEEV, MUHAMMED SHABAS
3. HISANA ABDULLA, SEENA AMRATH

Cosmogyral - Essay Writing on AI in Space: The essay competition, Cosmogyral, focused on the intersection of

artificial intelligence and space exploration. A total of 73 essays were submitted, reflecting the participants keen interest in exploring the future AI in the cosmos. The essays were evaluated based on their depth of understanding, originality, and the ability to articulate ideas. The winners are :

1. MANASA
2. ARCHANA
3. AHAMED RYAN

Shutter – The shadow Photography: The photography competition, Shutter was based on the Shadow photography where almost 20 entries were

received. The primary aim of the competition was to increase the creativity and enhance the artistic mind among the freshers. The winners are :

1. MUHAMMED SHABAS, VARSHA
2. RIYA KRISHNA
3. MANU GIREESH

Volant 3.0 aimed to acquaint students with cutting-edge AI technologies while providing a creative outlet. By seamlessly merging AI into literary competitions, the event harmoniously united technology and literature, showcasing their coexistence. The essay theme, "AI in Space," prompted critical thinking and ethical discussions on AI's potential applications beyond Earth. Concurrently, shadow photography allowed students to push creative boundaries. Recognizing exceptional creativity, selected winners received complimentary gifts, celebrating and motivating promising talents. Volant 3.0 was a resounding success, emphasizing the importance of integrating technological advancements in creative pursuits. Active participation in Rhapsody and Cosmogyral showcased students' eagerness to engage with AI, while Shutter seamlessly blended artistic minds with technology. The event not only uplifted freshmen but also paved the way for future initiatives, fostering a holistic learning environment at CEV.

CHROMA : DESIGN WEEK

IEEE SB CEV collaborated with LucidPixl Designs to organize a dynamic 4-day workshop titled "Chroma - A Week for Design," held from April 10th to April 13th, 2023. This engaging event delved into the fundamentals of Adobe Photoshop and Adobe Illustrator, providing participants with essential skills for graphic design. Additionally, the workshop explored the basics of UI/UX design and Figma, empowering attendees with the knowledge needed to create intuitive user experiences. Chroma was a comprehensive platform that nurtured design enthusiasts and aspiring professionals alike, equipping them with the tools and inspiration to excel in the ever-evolving field of design.

DAY-1: BASICS ON ADOBE PHOTOSHOP

Session was handled by Sivaprasad C. Project Coordinator, LucidPixl Designs. Event was based on Familiarising the Adobe Photoshop Tools, and work with some design assignments. About 50+ Participants were attended the session, including 20+ EEE SB CEV Members and LucidPixl Designs Community Members.

DAY-2: BASICS ON ADOBE ILLUSTRATOR

Session was handled by Muhammed Fuwad PK, Design Lead, LucidPixl Designs.. Event focused on Familiarising the Adobe Illustrator Tools, and Hands-on Logo Designing About 35+ Participants, including 20+ IEEE SB CEV Members and Lucid Pixi Designs Community Members were attended the session

DAY-3: BASICS ON UI/UX & FIGMA

Session was handled by Muhammed Fuwad PK, Design Lead, LucidPixl Designs. Event focused on Familiarising the Figma Tools, and Hands-on Figma Prototyping. About 40+ Participants, including 20+ IEEE SB CEV Members and Lucid Pixl Designs Community Members were attended the session.

DAY-4 : DESIGNATHON

Students were shuffled as Teams, and given a Set of Problem Statement. There were Ideation Phase. Presentation Phase, and Evaluation Phases. Students were came up with various Figma Prototypes. Learning Tracks were also in between the I lackathon. About 35+ Participants, including 20+ IEEE SB CEV Members and LucidPixl Designs

OUR TEAM

We are proud to have an amazing team who work together with dedication and passion towards our goals. We want to take a moment to express our appreciation for all that our team does to make our event successful.
Sivaprasad C. Sravan KJ, Sena VP, Hakim, Karthik OR, Fuwad PK, Hafis CP, Shuaib, Muhammed CK, and many more.
.

IEEE DAY

The journey started at the Mini Auditorium with a challenging game, leading to a QR code for the victorious team. Participants scanned QR codes, unlocking questions in PDFs. Answers to the first question led to the second PDF in the case of two files. Cryptic clues guided to consecutive locations with unique QR codes, and simple passwords comprised lowercase letters only.

The event concluded on a high note with reflections from Ashfaqh, the Vice Chairperson, and Lamiya Noushad, the esteemed IEEE Day Ambassador and Link Representative. The crowning moment arrived as the winners were honored and applauded. Lamiya, in her graceful manner, extended gratitude in the vote of thanks, bringing the event to a graceful close.

Finders Keepers, the captivating technical treasure hunt organized by IEEE Student Branch CEV on October 3rd from 2 pm to 4 pm at our campus, stood out as a highlight of the IEEE Day celebrations and enjoyed resounding success.

Team Basha, comprised of Krishna Hari, Thejus, Thaha, and Munavvir, has been declared the winners of the Treasure Hunt.

The event kickstarted with a warm and hearty welcome from Aathsha Mehar, the visionary Chairperson of IEEE, who kindled the spirit of IEEE Day. Subsequently, Gemima, the astute Vice Chair of Women in Engineering (WiE), delivered an enlightening overview of this remarkable event.

IEEE WIE AG EVENTS

EMPOWERHER

EmpowerHer, a pioneering event dedicated to fostering digital empowerment among women, recently transpired in Vadakara, Kerala. Hosted by IEEE WiE AG CEV in conjunction with IEEE Malabar Hub, as part of Digi Femmina, the event unfolded on the 7th and 8th of June 2023. With a paramount objective to empower women and address the gender disparity in technology, EmpowerHer garnered participants who were enthusiastic about augmenting their digital skills and embracing the opportunities of the digital age.

The primary intent of EmpowerHer was to equip women with the requisite knowledge and skills to navigate the digital landscape with confidence. Through meticulously curated sessions, participants were empowered to surmount challenges and embrace the digital era. The event aspired to inspire, educate, and empower women, furnishing them with essential digital skills and fostering a supportive community. Throughout the event, participants engaged in insightful talks and interactive sessions led by Gemima V A, Vice Chairperson of IEEE WiE AG CEV.

In summation, EmpowerHer stands as a testament to the potency of community and collaboration in effecting positive change. By providing women with the tools and confidence to embrace technology, EmpowerHer transcends being a mere event; it symbolizes a movement toward a more inclusive and empowered future. As participants express their gratitude for the invaluable knowledge acquired, EmpowerHer remains an illuminating beacon of hope and empowerment for women globally.

DIGHUNT

WINNERS:
1. AZMA KALAM(CEV)
2. MAISA ISMAIL(CEV)
3. AMIYA SHABANA(MES)

DigHunt: The Digital Treasure Hunt, organized by IEEE WiE AG CEV, unfolded on the 16th of September 2023, marking a new era of virtual engagement and problem-solving. This innovative event attracted participants from various colleges, offering them a platform to showcase their problem-solving skills and knowledge in an exhilarating and challenging environment. With 8 online levels of intriguing puzzles and riddles, DigHunt aimed to blend education with entertainment while promoting critical thinking and lateral reasoning. DigHunt was a testament to this commitment, fostering a spirit of camaraderie and intellectual growth among participants.

The competition not only celebrated individual achievements but also fostered a spirit of healthy competition, motivating participants to perform at their best.

The event's success wouldn't have been possible without the dedication of its organizers and volunteers from IEEE WiE AG CEV. Congratulations to the winners– Azma Kalam, Maisa Ismail, and Amiya Shabana– whose exceptional performances highlighted the spirit of DigHunt. In conclusion, DigHunt: The Digital Treasure Hunt was more than just a competition; it was a celebration of knowledge, teamwork, and innovation in the digital age. As participants reminisced about the thrilling challenges and engaging experiences, DigHunt remains a testament to the power of virtual engagement in fostering learning and community

TECHWIEN 4.0

TeqWiEn 4.0, held exclusively for the female participants of our college on November 8th to November 14th, is a testament to the transformative power of empowering women in engineering. With a three-fold objective—facing technical challenges, improving skills and confidence, and fostering self-awareness—the event successfully achieved its goals through diverse competition rounds.

Addressing gender disparities in STEM, TeqWiEn 4.0 provided a crucial platform for women to showcase talents, enhance skills, and network. Levels such as Aptitude Test, Questionnaire, Gamification, Debate, and Interview tested participants on technical and non-technical skills, fostering healthy competition.

WINNER — LEKSHMIKRISHNA M S2 CSE

FIRST RUNNER UP — SREELAKSHMI B S6 CSE
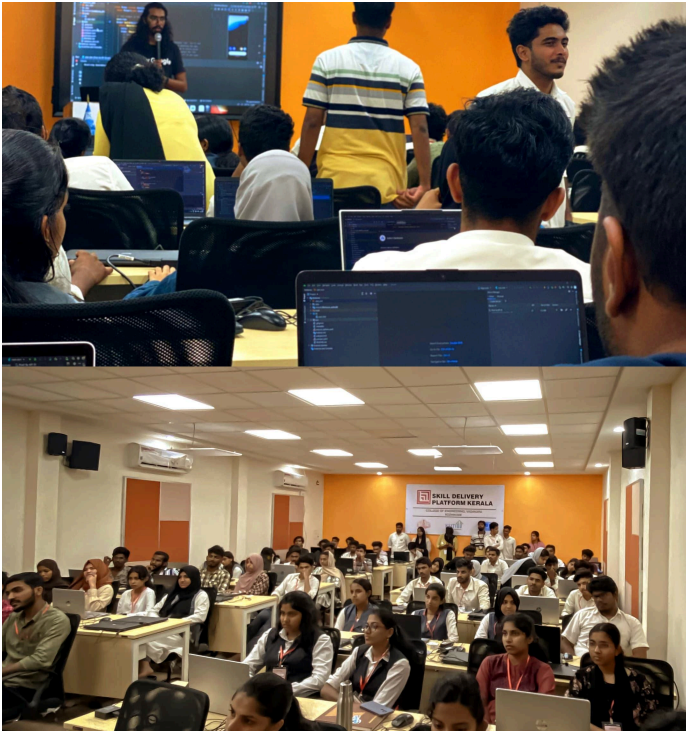
SECOND RUNNER UP — ARCHANA V S2 CSE

Culminating with the Interview on November 14th, the event revealed Grand Champion Lekshmi Krishna M, and second and third prize winners Sreelakshmi B and Archana V. TeqWiEn 4.0 serves as a reminder of the impact of empowerment, community, and resilience in shaping the future of women in engineering, contributing to a more inclusive and diverse field.

IEEE CS SBC EVENTS

INFORMATYKA 3.0

The IEEE CSKS in collaborations with WICCS from CEV, GECK and VJEC organized a full-day workshop, "INFORMATYKA," on November 8th, featuring hands-on training in Flutter. The event, meticulously handled by Akarsh Ashok, a Research Associate at the Amrita Institute, aimed to provide participants with practical insights into mobile app development using Flutter.

The workshop covered fundamental concepts, best practices, and real-world applications. Attendees had the opportunity to code alongside Akarsh, gaining valuable experience in developing cross-platform mobile applications.

INFORMATYKA not only equipped participants with practical skills in Flutter but also served as a platform for networking and collaboration. The event laid the foundation for future workshops and activities by the IEEE WIC Computer Society, fostering a community of learning and innovations.

IEEE XTREME 17.0

An IEEE Xtreme Info Session was held on September 27th 2023, conducted by Shibin Rasheed, Xtreme Ambassador 17.0 and Jyothsana, Xtreme Ambassador 16.0 to enlighten the significance of IEEE Xtreme Competition in the presence of about 60+ students.

On October 28th, our college's IEEE CS SBC embarked on a 24-hour journey of coding and innovation, participating in the prestigious IEEE Xtreme 17.0 competition. This international coding marathon, which concluded on October 29th, is more than just a test of programming skills; it's an arena for fostering teamwork, endurance, and creative problem-solving marked a significant milestone in our journey – our first offline iteration of the competition.

Alumni such as Hafis CP, Nandhu Krishna, Mishal Aboobacker, Kiran KS, Karthik, Fuwad, and faculty members including Ashwathi Ma'am graced the event. Their guidance and strategic advice were invaluable in demystifying the competition and equipping participants with the right mindset. An ice breaker session was held to encourage camaraderie among participants, complete with captivating performances. This not only lightened the atmosphere but also fostered a sense of community among the competitors

INSCAPE -UI/UX SHOWDOWN

Inscape is a series of events organized by the IEEE CS SBC CEV. The aim of these events is to provide a platform for students to showcase their skills and creativity in various domains of computer science and engineering.

One of the events in this series was the UI/UX Showdown using Figma, an online contest for designing user interfaces and user experiences for mobile applications with a price pool of Rs 2500. The UI/UX Showdown using Figma was an open event, meaning that anyone could participate regardless of their college or branch. The participants were given a topic to design an app for the IEEE Student Branch of CEV. They had to use Figma, a web-based design tool, to create their prototypes and submit them online. The time period for the contest was 10 days, from December 10-21, 2024. The event received a total of 15 entries from various colleges across Kerala.

The UI/UX Showdown using Figma was a successful event that achieved its objectives of promoting UI/UX design among students and providing them with an opportunity to showcase their talents and learn from each other. The event also enhanced the visibility and reputation of IEEE SB CEV and the IEEE CS SBC CEV among the student community.

TECH-DEBATE

On June 27th 2023 ,the IEEE CS SBC CEV recently organized a highly engaging technical debate that brought together six teams to discuss and deliberate on cutting-edge technologies such as Bitcoin, Blockchain, and Quantum Computing. The event aimed to foster a deeper understanding of these emerging technologies among students and encourage insightful discussions

A total of six teams participated in the debate, showcasing their knowledge and analytical skills in the field of modern technologies. Among the participating teams, Udith and Rasnas emerged as the winners, demonstrating a thorough

understanding of the topics under discussion. The debate focused on various innovative technologies, including but not limited to Bitcoin, Blockchain, and Quantum Computing. Participants were tasked with presenting their perspectives on the potential impact, challenges, and future developments in these fields. The chosen topics reflected the dynamic nature of the ever-evolving technological landscape. The competition was evaluated by esteemed faculty members of our college. Their combined expertise ensured a comprehensive assessment of the participants' presentations, leading to well-informed decisions on the winners.

WINNERS

UDITH BAIJU
S6 IT

RASNAS
S8 IT

IEEE PES SBC EVENTS

ARDUINO MEETS MATLAB

The "Arduino Meets Matlab" workshop, hosted by IEEE PES SBC CEV & CAFEE from June 09 to June 11, 2023, showcased the fusion of theory and practice in Power Electronics Product Development. Through this collaboration, participants delved into integrating Arduino and Matlab for groundbreaking applications, blending theory with hands-on sessions for an immersive learning experience. Exploring the roles of Arduino and Matlab in power electronics, attendees gained insights into various applications and possibilities over the three-day agenda.

The workshop spanned three days, each focusing on different aspects of power electronics and its integration with Arduino and Matlab. Participants were introduced to Arduino programming and interfacing on day one, followed by hands-on sessions designing basic power electronics

circuits on day two. The final day covered advanced topics and real-world case studies, fostering group discussions and collaborative projects. Led by IEEE PES SBC CEV & CAFEE, alongside contributions from Mr. Renjith G, Mr. Nithin T, and Mr. Kannan SA, the workshop provided a valuable learning experience equipping attendees with practical insights ready for real-world application.

Over the course of three days, attendees gained practical skills in Arduino programming, circuit design, and real-world applications. Through this collaborative effort, the workshop empowered participants with the knowledge and tools necessary to tackle complex challenges in the field of power electronics, laying the foundation for future innovation and development.
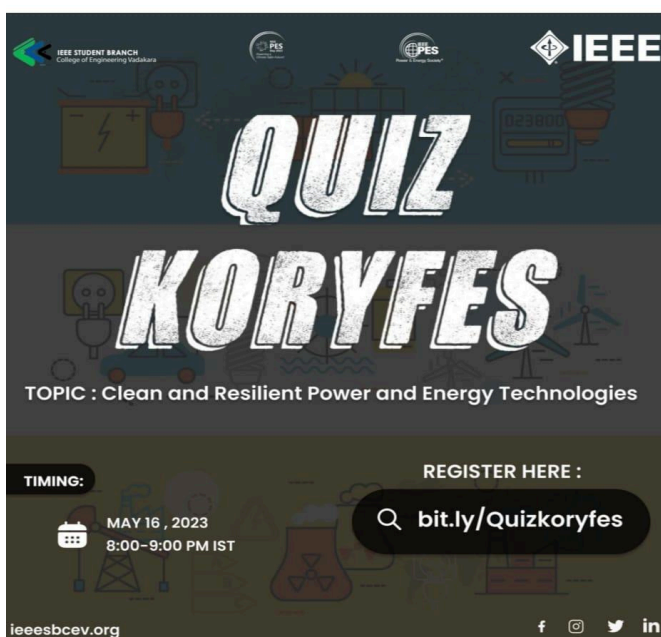
WOW 4.0

In the digital era, the WOW 4.0 Tech Talk on "Data-Driven Decision Making" captivated audiences on November 26, 2023. Led by Mathangi Sri Ramachandran, Chief Data Officer at YUBI, the session, organized by IEEE PES Kerala Chapter and collaborating entities, offered invaluable insights for students. Supported by key figures like Dr. Nafeesa K, Dr. Ajith Gopi, and others, the session empowered attendees to grasp the pivotal role of data across various fields, underscoring its significance for societal advancement and community empowerment.

The success of the WOW 4.0 Tech Talk showcased the collaborative spirit within the IEEE community and emphasized the importance of data literacy in shaping our world. Through active engagement, participants contributed to the collective effort driving progress, underlining the need for data-driven decision-making in shaping the future of technology and society.

QUIZ KORYFES

IEEE PES CEV hosted "Quiz Koryfes," a virtual celebration of clean energy tech on May 16, 2023. With 23 participants, including 17 IEEE members, 8 PES members, and 6 non-members, enthusiasm was high. Despite the virtual setting, 13 engaged in the Quizizz competition. Kavya P, Jismariya Joy, and Adhish V claimed the top three spots, showcasing expertise in clean energy.
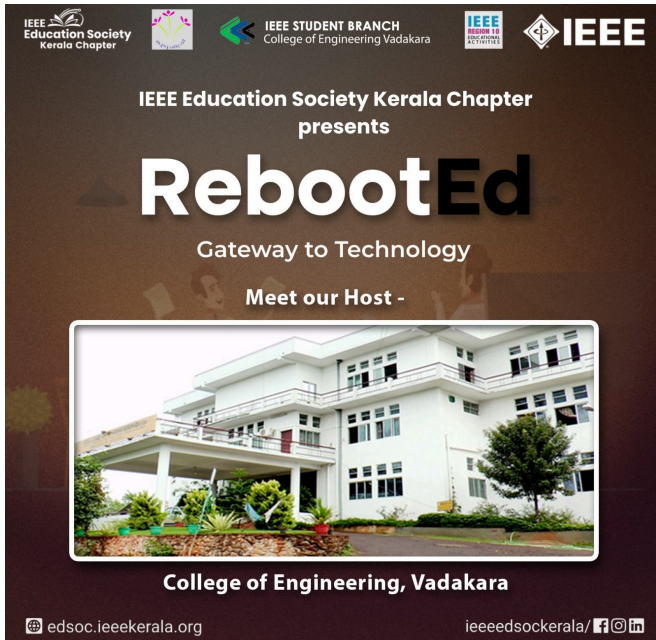

The success of Quiz Koryfes was made possible through the meticulous planning and dedication of the organizing team, led by Jishnu Shiju, Badharinath S, Sayuj J, and Ummu Ummara Navas. Their efforts ensured a seamless experience for participants and underscored the importance of collaboration and teamwork in organizing such events. As the winners celebrated their victories, Quiz Koryfes left an indelible mark on PES DAY'23, emphasizing the importance of knowledge-sharing and camaraderie in advancing the field of clean and resilient power and energy technologies.

Through initiatives like Quiz Koryfes, IEEE PES CEV continues to inspire curiosity and learning among its members, contributing to the collective pursuit of a sustainable energy future

IEEE EDSOC SBC EVENTS

REBOOTED

The IEEE EdSoc SBC CEV conducted a program named REBOOTEd in collaboration with IEEE EdSoc Kerala section on August 19 & 20,2023. The main aim of this program was to disseminating scientific temper and curiosity among school dropouts with no restriction on age, equipping them with technical knowledge and skills needed in everyday lifewhile encouraging them to pursue higher education.

The speaker on Day one was Mr.Akshay R S who is an enthusiastic and knowledgeable student member in IEEE EdSoc Kerala section, was able to effectively share his knowledge about latest technology and the digital world. The speaker on day two was Mr.Anil who is a professional

member of IEEE EdSoc Kerala section and a former engineer worked on KSEB .Mr.Anil helped the participants to gain a knowledge about the power and current which is dealt by each human on daily basis

Spanning over two days, the offline event intends to cover the basics of technology used in everyday life and conduct an orientation on alternate academic paths that can be pursued to resume their education. On the last day, participants worked on a simple project based on the topics taught, thereby helping them gain hands-on exposure to the real-life applications of the topics taught.

The event was very helpful for the dropouts who wanted to continue their education. It provided an overall idea about the topic which will help them in future. The interactive Q&A session conducted on the winding session on each day helped them to understand the objective of the event and also helped them to understand the best of it.

OBLIVION

The workshop "OBLIVION," organized by the Education Society of IEEE SB CEV on November 22nd, delved into the intriguing topic of Introduction to Gen AI and Prompt Engineering. Throughout the session, attendees explored diverse subjects like ChatGPT, Bard, Lumen5, Slides AI, Gamma AI, Blackbox IO AI, and Bing Image Generator, with the primary aim of imparting a fundamental understanding of these innovative technologies.

The participants who attend the workshop consist of both IEEE and Non-IEEE members. A total of 62 students attended the program in which 34 were IEEE members and28 were Non-IEEE members.

The event was conducted at College of Engineering Vadakara from 1pm to 4 pm. The session was handled by Devang, a second year computer science student of College of Engineering Vadakara.

The session gave the students idea on how to use AI the future of technology in the field of their studies. The session was interactive which let students to clear their doubts and made the event more exciting and live.
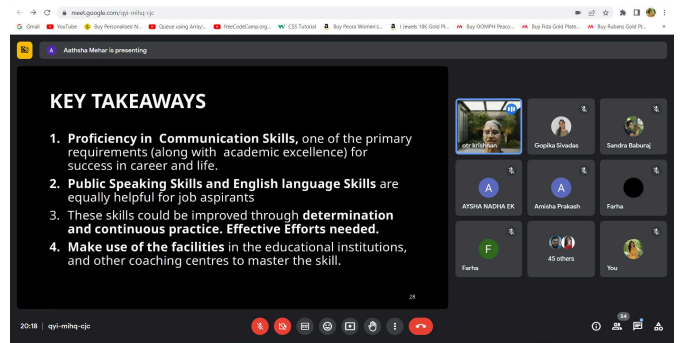

REVIVE

On June 24, 2023, the IEEE Education Society SBC CEV organized the first webinar of the REVIVE series, focusing on the crucial theme of "Public Speaking and Personality Development." The distinguished speaker for the session was Dr. O T Remadevi, an eminent personality with a wealth of experience.

Dr. Remadevi, with her extensive background as the Former Chairperson & Director of Socio-Economic Unit Foundation, Former State Program Officer (UNFPA), Former Consultant (UNDP), and Former Programme Officer (Danida), brought a wealth of knowledge to the virtual stage. Her insights into the intersection of public speaking and personality development were both insightful and practical.

The webinar was attended by approximately 60 students, creating an intimate and interactive environment. Participants had the opportunity to engage with Dr. Remadevi through Q&A sessions and live discussions, fostering a dynamic exchange of ideas.

The event not only equipped students with valuable tools for effective communication but also inspired them to embark on a journey of holistic personality development. As the REVIVE series unfolds, it promises to be a beacon of knowledge and empowerment for students seeking to enhance their skills and make a meaningful impact in both their academic and professional pursuits.

GALLERY

GALLERY

GALLERY

GALLERY

TESTIMONIALS

❝

Joining IEEE in college has been a transformative experience. Through my membership, I've delved into the world of designing, honed networking skills, and learned the art of event management and professional burden handling. If you're ready to elevate your skills and embrace limitless possibilities, IEEE is your ticket to a brighter future!

❞

-SAYOOJ V P
DESIGN LEAD

❝

Reflecting over the past year fills me with immense gratitude and growth. I've had the privilege to meet many remarkable individuals within the IEEE community, each bringing their unique perspectives and expertise. This journey has been incredibly insightful, providing invaluable lessons and experiences that have enriched my personal and professional development. Deep gratitude to my mentors for shaping my journey. Their wisdom and support fueled growth and confidence. I will cherish memories and lasting friendships, knowing that the lessons learned and connections made will continue to shape my path forward.

❞

-BENISON ABRAHAM
TREASURER

❝

Being an IEEE Execom member reignited the leadership quality that was hidden inside me. It forced me to move out from my comfort zone which helped me to face a lot of my fears. I forever cherish the memories that I have gathered being a part of this community.

❞

-GOPIKA S
CHAIRPERSON-EDSOC

❝

As a proud member of IEEE , I am delighted to share my positive experiences. Through local chapter meetings, workshops and other IEEE events I've had the privilege to connect with fellow professionals. This has helped me mold my personality and uplift my confidence.

❞

-NAVANEETHA K
VICE CHAIRPERSON-EDSOC

TESTIMONIALS

"

As a college student, IEEE has been my primary source of connection and motivation that helped to improve myself. Here I met with a group of IEEE enthusiasts that introduced me to all the opportunities that IEEE offers, and I had the chance to volunteer in IEEE SB CEV activities. Since I started being involved with IEEE, I came to knew about various programs and helped organizing several events which further boosted my leadership skills. The talk sessions ,workshops and many other opportunities provided by IEEE have been invaluable in staying ahead in my field. To sum up, IEEE has been a valuable source to stay in touch with other volunteers and mentors and to build my professional skills.

-GEMIMA V A
  VICE CHAIRPERSON-WIE

"

Joining IEEE in college was a turning point for me. Becoming a member and taking on a leadership role in IEEE SB CEV changed me in so many ways. Volunteering taught me valuable skills and helped me overcome insecurities, replacing them with newfound leadership qualities. Connecting with friends across Kerala and learning from different colleges has been an incredible experience. IEEE SB CEV has been a catalyst for personal growth and meaningful connections.

-LAMIYA NOUSHAD
  LINK REP

"

My college life can be divided into two segments that is before and after joining IEEE and since then it's been one hell of a ride. IEEE has shown me what i am capable of and i am grateful for it. I like the tea and talks that i have while planning events with my friends which wouldn't be possible without IEEE. My college life would be lot less cooler without IEEE. So Thank you IEEE , Hafiskka and Anuna sis for selecting me into the EXECOM

-DEVANG C V
  MD COORDINATOR

THANK YOU.