IEEE

LINKED

The News Magazine of IEEE LINK

January - June 2024 Edition

Forge the Future, Command the Machines: Shape your Tomorrow

IEEE LINK
Local Integrated Network of Kerala IEEE Students

40 YEARS OF IEEE Kerala Section

IEEE

IEEE R10 Robotics Competition 20

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Hey there, newsletter readers!

Are you ready for a challenge that will test your skills and keep you on your toes? In this edition, we've hidden words throughout the pages, blending them seamlessly into the background. Your task is to uncover these sneaky words and piece them together to reveal a secret sentence. Once you've cracked the code, submit your answer in the Google form provided on page number 63. But wait, there's more! The winners of this thrilling contest will be chosen through a lucky draw, and there are exciting prizes waiting to be won!

So, get ready to flex your detective muscles and dive into this exciting adventure with us. Let the hunt begin!

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About IEEE :

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities.

About IEEE Kerala Section :

IEEE Kerala Section, where a rich legacy of innovation meets a commitment to community empowerment since its inception in 1975. Emerging as a dynamic subsection under the India Section, the IEEE Kerala Section has since evolved into a powerhouse within the global IEEE network. It is renowned for its vibrant activities and groundbreaking initiatives and has garnered prestigious awards such as the MGA Large Section Award and the Region 10 Outstanding Large Section Award.

From the outset, IEEE Kerala Section has been a pioneer in shaping the technological landscape. It has organized high-impact technical events and international conferences that catalyze collaboration and knowledge dissemination. However, its impact extends far beyond the realm of technology. Deeply committed to nurturing talent and fostering social change, the Section has pioneered initiatives ranging from educational programs for pre-university students to establishing the Humanitarian Technology initiative, which later evolved into the globally recognized SIGHT. Its innovative spirit is further exemplified by the creation of LINK, a framework connecting student branches within the Section, setting a precedent for collaboration worldwide.

Skipping

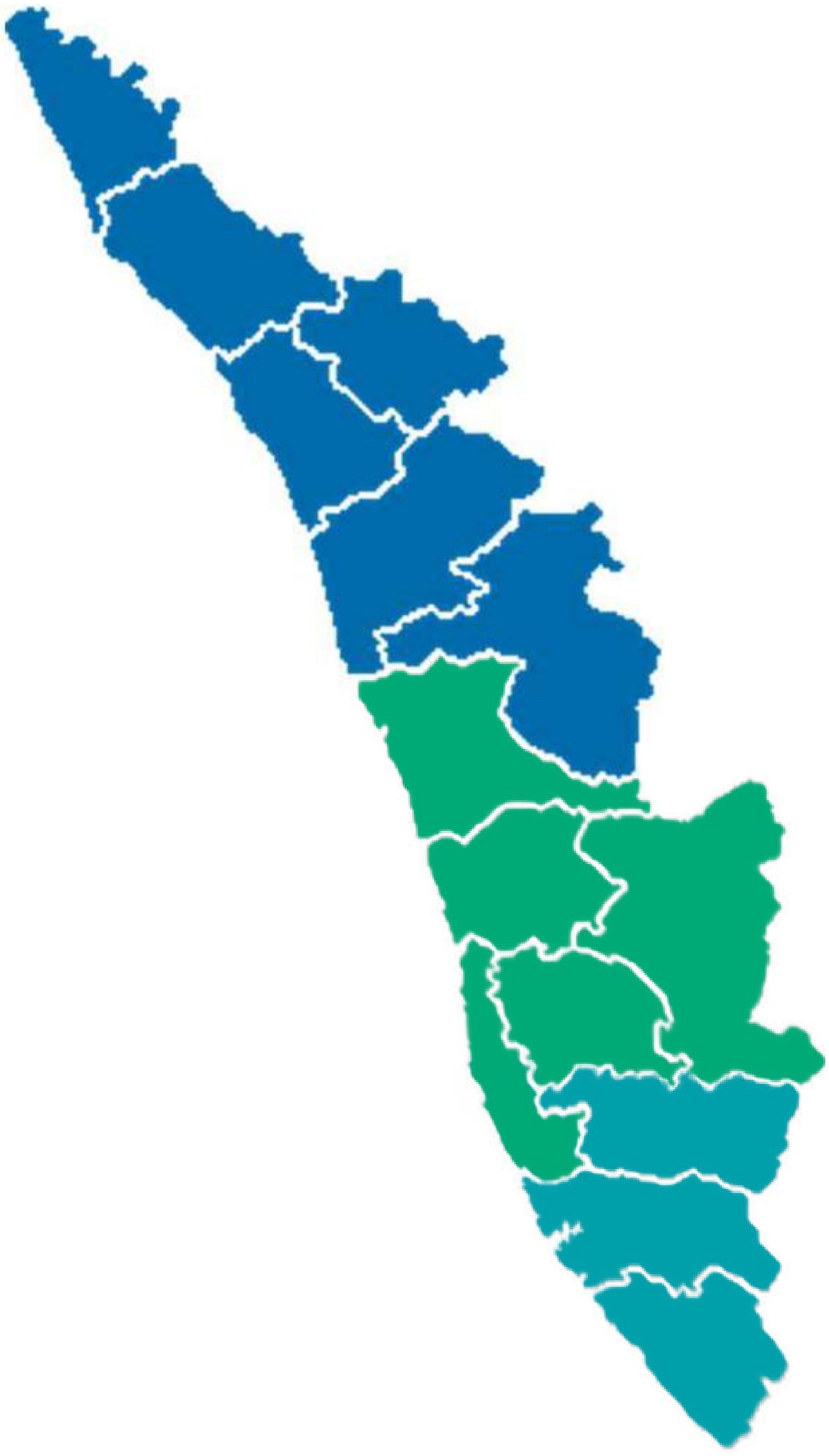
About IEEE LINK:

Conceived within the visionary landscape of the IEEE Kerala Section in India, IEEE LINK is more than just a network – it's a lifeline for student branches, providing them with essential support, resources, and training sessions for their upliftment and growth. Formally inaugurated by past IEEE President Mr. Cleon Anderson in January 2005, LINK has since become a beacon of connectivity and collaboration within the IEEE community.

Since its inception, IEEE LINK has catalyzed remarkable growth within the IEEE Kerala Section, spurring an exponential increase in student branches and activities. Since its inception, IEEE LINK has catalyzed remarkable growth within the IEEE Kerala Section, driving an exponential increase in student branches and activities. From hosting two successful versions of the All Kerala Student Congress(AKSC) and hub meets to organizing job fairs, LINK has been instrumental in empowering students to actively engage in IEEE initiatives and professional development opportunities.

IEEE LINK's impact extends beyond Kerala's borders, as its innovative framework has been adopted by IEEE Region 10, leading to the establishment of R10 GINI (Global Integrated Network of IEEE Students). This global recognition underscores LINK's effectiveness in cultivating a vibrant community of future innovators and leaders. By facilitating closer collaboration and communication, IEEE LINK empowers students to engage in IEEE initiatives, nurturing their academic and professional growth.

IEEE Kerala Section

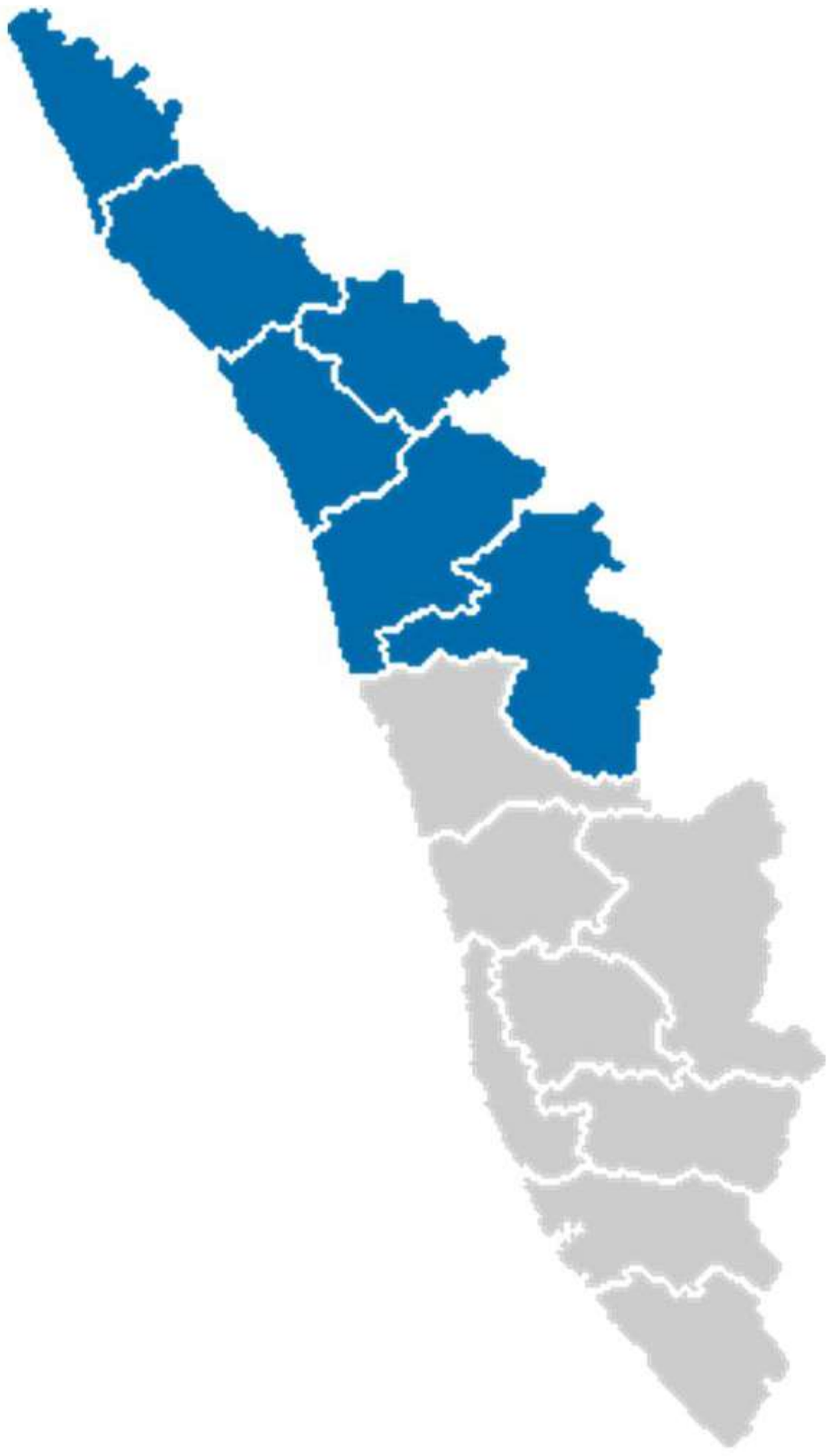


Number of SBs: 117

Active SBs: 103

IEEE Kerala Section boasts a robust network comprising 111 student branches spread across Kerala, organized into three hubs. Impressively, 92 of these student branches are actively engaged in various IEEE activities and initiatives. Reflecting the vibrant community within the section, the membership count surged above 15,000 during March, indicating a significant growth trend. However, due to unforeseen events, the membership count experienced a temporary decrease back to 9,000 by May. Despite this fluctuation, the IEEE Kerala Section remains committed to fostering a thriving environment for learning, collaboration, and innovation among its members.

IEEE Malabar Hub



Number of SBs: 29

Active SBs: 22

The Malabar Hub of IEEE Kerala Section encompasses the districts of Kasargod, Kannur, Kozhikode, Malappuram, Wayanad, and Palakkad, boasting a robust network of 29 Student Branches (SBs). This hub is a vibrant center of innovation and collaboration, fostering a dynamic environment for students to engage in cutting-edge technological advancements and professional development.

IEEE Kochi Hub

Number of SBs: 48

Active SBs: 46

The Kochi Hub, with an impressive count of 48 Student Branches, includes the districts of Thrissur, Idukki, Ernakulam, and Alappuzha. This hub is a powerhouse of activity, providing students with ample opportunities for growth, mentorship, and networking. It serves as a pivotal point for fostering industry-academia collaborations and driving technological innovation.

IEEE Travancore Hub

Number of SBs: 40

Active SBs: 35

The Travancore Hub, comprising the districts of Pathanamthitta, Kollam, and Trivandrum, includes 40 Student Branches. This hub is renowned for its strong sense of community and commitment to excellence in engineering. It offers a platform for students to engage in various technical and non-technical initiatives, contributing to their holistic development and preparing them for successful careers in the engineering field.

COVER FEATURE

Into the era of robots

The IEEE Robotics and Automation Society Kerala Chapter, in collaboration with IEEE Kerala Section and the Student Activities Committee, is orchestrating the inaugural Stage 1 of the IEEE Region 10 Robotics Competition 2024. Spanning over an expansive period of one and a half months, this stage unfolds as a meticulously designed series of events aimed at actively engaging participants from diverse corners of Kerala. It all commenced with a highly informative online session, meticulously crafted to elucidate the intricacies of the competition's rules, regulations, and overarching theme. Enriching this session were invaluable insights gleaned from the experiences of the previous year's esteemed runners-up, providing aspirants with a tangible glimpse into the journey ahead.

Following this enlightening session, a resounding call for participation reverberated across the region, beckoning forth the creative minds and ingenious spirits of individuals keen on making their mark in the world of robotics. As ideas poured in, each brimming with innovation and potential, a vibrant platform was established to foster collaboration and discourse. Here, mentors were diligently assigned to teams, ensuring that each participant received the indispensable guidance and support necessary for navigating the labyrinthine realm of robotics.

With a keen eye towards inclusivity and accessibility, the competition sought to actively engage engineering students through a series of three dedicated online sessions, strategically spaced across different time slots to maximize participation.

These sessions, thoughtfully curated to delve deep into the nuances of robotics, served as a beacon of inspiration, igniting the passion for innovation within the hearts of aspiring engineers.

Meanwhile, in a testament to the competition's commitment to nurturing talent from its very roots, a series of hands-on robotics workshops were meticulously organized across three distinct locations within Kerala. Here, bright-eyed school students were introduced to the captivating world of robotics, guided by seasoned experts as they embarked on an exhilarating journey of discovery and learning.

As the competition unfolded, a pivotal review meeting was convened to meticulously assess the progress of participating teams. From the fervent pool of 74 registered teams, 22 were singled out based on their exceptional qualifications and readiness to proceed to the next stage. Each of these select teams was paired with a dedicated mentor, poised to serve as a beacon of guidance and support throughout the arduous competition journey.

Ultimately, as the dust settled and the anticipation reached its zenith, the spotlight turned to the final offline presentation session. Here, amidst an atmosphere brimming with palpable excitement, teams converged to showcase their meticulously crafted robots, each vying for selection by a discerning panel of industry professionals. From this crucible of talent and ingenuity emerged the top two teams, poised to proudly represent Kerala on the esteemed platform of the IEEE Region 10 Robotics Competition.

In essence, Stage 1 of the IEEE Region 10 Robotics Competition 2024 stands as a testament to the unwavering spirit of innovation and collaboration that defines Kerala's burgeoning robotics ecosystem. With its blend of online enlightenment, hands-on workshops, and rigorous mentorship, the competition not only nurtures talent but also serves as a beacon of inspiration for aspiring technologists across the region.

IKS CHAIR's Message

Prof. Muhammed Kasim S

Dear IEEE Kerala Section Members,
Greetings from IEEE Kerala Section!!!

I'm honored to address you through the pages of our our esteemed IEEE Link Newsletter. As we gather here to celebrate our shared accomplishments and milestones, it's essential to reflect on the vibrant spirit and rich tapestry of initiatives that define the IEEE Kerala Section.

Since its inception in 1975, the IEEE Kerala Section has been a beacon of innovation, collaboration, and community engagement. From pioneering technical events and international conferences to spearheading educational programs and humanitarian initiatives, our Section has consistently pushed the boundaries of excellence and service.

I want to take this opportunity to extend my heartfelt congratulations to our student branches for their outstanding contributions and activities. Your dedication, passion, and commitment to advancing the mission of IEEE have not gone unnoticed. Each event, workshop, and initiative you organize serves as a testament to your drive for excellence and your desire to make a positive impact in our community and beyond. Keep up the fantastic work, and know that your efforts are truly appreciated.

I also want to express my sincere gratitude to the LINK team for their tireless efforts and unwavering dedication. Your commitment to excellence and your innovative approach to fostering collaboration and connectivity among student branches is truly commendable. Through your hard work and leadership, you have helped to create a vibrant ecosystem where ideas flourish, and opportunities abound. Your contributions are invaluable, and I encourage you to continue to push the boundaries of what is possible.

As we look to the future, I am filled with optimism and excitement for the possibilities that lie ahead. Together, let us continue to inspire, innovate, and lead by example, shaping the future of technology and empowering the next generation of leaders.

Thank you to each and every one of you for your dedication, passion, and commitment to the IEEE Kerala Section. Together, we will continue to make a meaningful difference in the world.

Best wishes,
Prof. Muhammed Kasim S
Chairperson
IEEE Kerala Section

SAC Advisor's Message

Mr. Varghese Cherian

It is my honor to address our community through the inaugural LINK newsletter. I am appreciative of the efforts the Newsletter team has put to create this version. I am also indebted to them for inviting me to pen my thoughts.

We are living in unprecedented times. The world is at the cusp of entering a period of stagflation – a unique condition that combines high inflation, low economic growth and high unemployment – which is expected to last at least 1-2 years. On the other side while Gen AI has been the buzz word for the last year with its potential advantages, the general missive is that this technology will indeed create a churn in the software engineering world; a world that the majority of our community members are aspiring to enter. Software has created massive opportunities for our members for the last five years, but the slowdown is very visible today. It is in these times that IEEE becomes relevant to each of us. The opportunity to enhance our professional development through various programs and initiatives, the opportunity to find the right mentors and the opportunity to network with professionals across different walks, are all critical for our success.

The LINK team is at the heart of this collaboration and driving initiatives. Your continued focus, dedication, and attention to details, will enable the larger community to benefit. We are better together, than the sum of the individuals. Our aim is to serve, to foster and to enable, through which the members of the larger community will reap the benefits. We also need to take stock periodically to check and ensure that the larger community is benefiting because of our efforts. But, even as we do all this, let us not forget or lose sight about ourselves and our needs too. We need to become leaders and role models too.

I extend my gratitude to each of you for the effort expended and wish you success in all the endeavors that are coming up. Let us "Advance Technology for our Community".

Best Wishes,
Mr. Varghese Cherian
SAC Advisor

SAC's Message

Mr. Shone Jose

Dear Team,

As we continue our journey within the IEEE community, it brings me great pleasure to reflect on the incredible strides we've made together. IEEE LINK, conceived within the visionary landscape of the IEEE Kerala Section, has truly become a lifeline for student branches, offering vital support, resources, and training sessions for their advancement.

IEEE LINK has evolved into a beacon of connectivity and collaboration, not just within Kerala but reaching far beyond. The remarkable growth witnessed within the IEEE Kerala Section, fueled by LINK's initiatives, is a testament to its effectiveness in empowering students and fostering professional development opportunities.

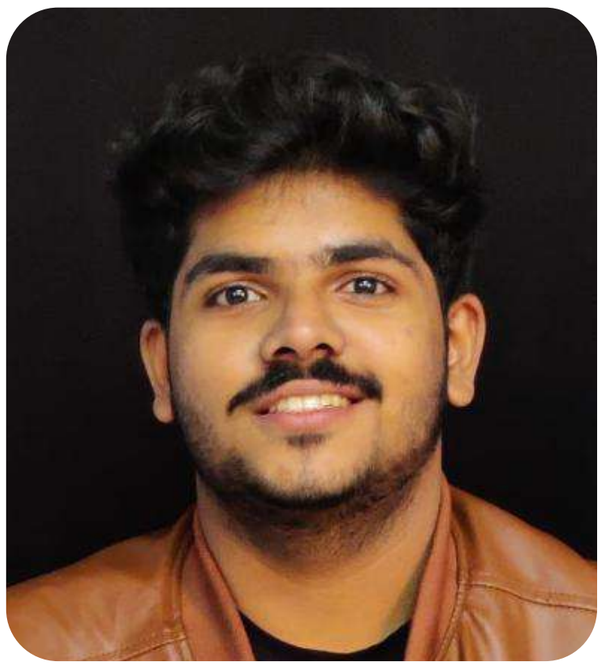
From hosting successful versions of the All Kerala Student Congress (AKSC) and hub meets to organizing job fairs, IEEE LINK has been instrumental in empowering students to actively engage in IEEE initiatives and elevate their skills and knowledge.

I am delighted to acknowledge the invaluable contributions of the LINK Team. Your dedication, passion, and tireless efforts have been the driving force behind our collective success. As we look to the future, I extend my sincerest wishes for continued achievements and prosperity. Your commitment to excellence is commendable, and I have no doubt that you will continue to inspire and lead by example. Together, Let's shape the future of technology and empower the next generation of leaders.

Best wishes,
Shone Jose
Student Activities Committee Chair
IEEE Kerala Section

SR’s Message

Mr. Vaishakh Suresh



Hey folks,

I'm Vaishakh Suresh, and I'm thrilled to connect with you through this exciting platform. As we embark on this journey together, I'm delighted to share the news of our inaugural IEEE LINK newsletter.

This year, we will be focusing on increasing benefits for our members, ensuring that you have access to valuable resources, networking opportunities, and insights that empower you in your tech journey. We're working on initiatives to enhance professional development, provide mentorship programs, and offer exclusive discounts on industry events and courses. Our goal is to make sure that being a part of IEEE LINK not only adds value to your career but also enriches your overall experience within our community.

At IEEE LINK, we're committed to creating a vibrant ecosystem where collaboration thrives, ideas flourish, and innovation knows no bounds. We believe that by strengthening our member benefits, we can empower each of you to achieve your goals, connect with like-minded individuals, and make a meaningful impact in the tech world.

Through the IEEE LINK newsletter and our various platforms, we aim to keep you informed, inspired, and engaged. I encourage you to explore the newsletter, participate in our events and discussions, and take advantage of the opportunities that IEEE LINK has to offer. Your active involvement is what makes our community strong and dynamic.

Together, let's make this year a transformative journey filled with growth, learning, and success. I look forward to connecting with each of you and working together to shape the future of technology.

Warm regards,
Vaishakh Suresh
Section Student Representative
IEEE Kerala Section

Launchpad Kerala 2024

One of the most prestigious events of IEEE Kerala Section and GTech MuLearn that is determined to serve the goal of creating opportunities for engineering students and graduates. Launchpad Kerala 2024 is a premier job fair that brings together talented individuals and innovative companies in the technical and engineering fields. This collaboration between IEEE Kerala Section and GTech MuLearn aims to propel advancement and innovation within Kerala's employment landscape by facilitating the seamless exchange of ideas and expertise.

IEEE YESS 2024

Yearly Engineering Students Summit

Organized by IEEE Kerala Section, the Yearly Engineering Students Summit (YESS) is the largest engineering students summit focused on technology, professional growth, and networking. Join us on August 24th, 2024, at Rajagiri School of Engineering and Technology, Kochi, for an unforgettable experience, with a participation count of 5000 students.

- **Generative AI powered AR Fashion Show - INARA** : AI-generated fashion designs and physical outfits displayed in a 3D AR ramp walk
- **Industry-Sponsored Mentoring Session** : Micro-mentoring sessions with senior experts from IBM, TCS, Bosch, and many more.
- **Exhibits** : Display of Projects by SIGHT Chapters across IEEE Kerala Section and various other Societies.
- **Technical and Non-Technical competitions**
- **Initiatives from IEEE SBs in Kerala Section**.
- **Tech Expos** : AR and VR Expo, Robotics and Drone Displays
- **Interactive puzzles and challenges** in collaboration with IEEE puzzlers with exciting goodies as prize

IEEE LINK

EVENTS

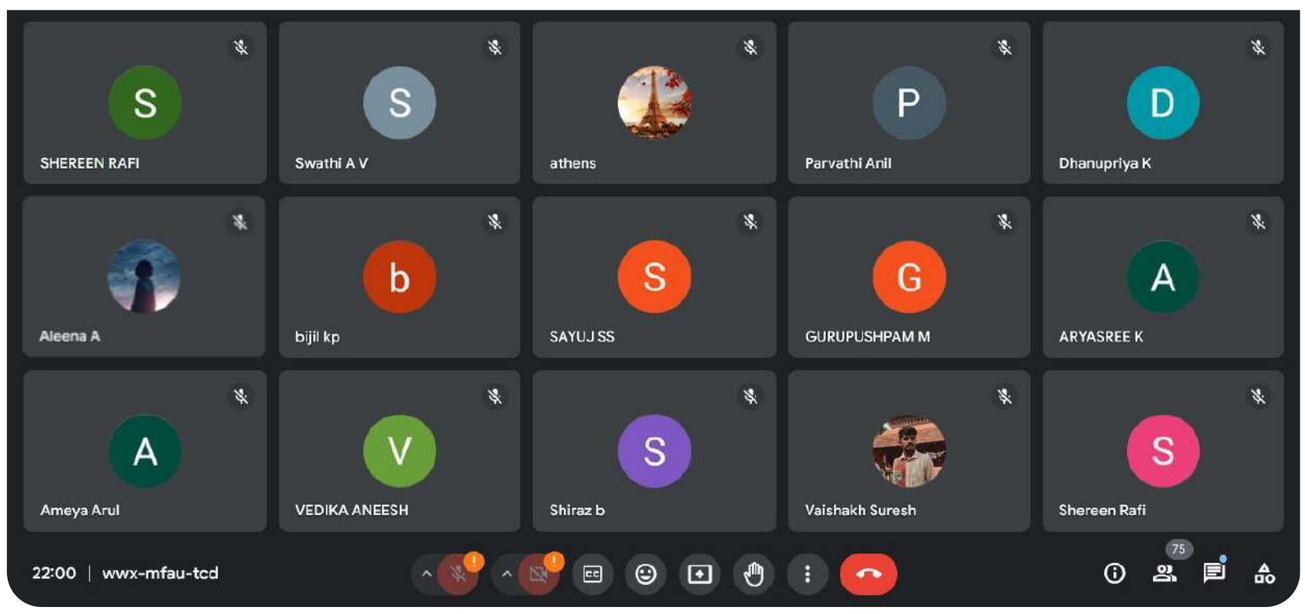
VoLT 2024

The SLT Volunteer Leadership Training (VoLT) 2024, organized by IEEE LINK on the 24th and 25th of February, was a notable event dedicated to enhancing the leadership skills of the newly elected members of the IEEE Kerala Section's student leadership team and student representatives from various societies under the IEEE Kerala Section. Held at KMEA Engineering College in Edathala, Kochi, the VoLT 2024 spanned over two days featured a blend of online and offline sessions designed to cater to the diverse needs of the participants. This meticulously planned event, with a participation of 65 students from various colleges in Kerala who are part of the student leadership team as well as Society Student Representatives, aimed at empowering the attendees with the knowledge, skills, and networking opportunities necessary for their roles, thereby fostering a stronger, more dynamic leadership framework within the IEEE community in Kerala.

F2F 2024

The IEEE LINK F2F 2024 event, held on February 10th, 2024, at Hotel Dimora in Thiruvananthapuram, Kerala, witnessed the active participation of the newly elected Student Leadership Team of IEEE LINK, along with newly appointed Student Branch Chairs from various student branches across Kerala.Throughout the event, which was conducted in-person mode and saw a total of 96 attendees, informative sessions and workshops were conducted to empower these newly elected leaders with the knowledge and skills necessary to excel in their roles. Discussions ranged from exploring funding opportunities for student branch initiatives to comprehensive training sessions on IEEE vTools, providing practical insights and resources to enhance organizational efficiency.The event served as a catalyst for building bridges between students and industry professionals, nurturing talent, and fostering a culture of collaboration and growth within the IEEE community in Kerala.

Chairs Meet



IEEE LINK organized a Chairs Meet on the 20th of March 2024, which took place in an online mode, gathering chairs from student branches across Kerala. With a participation of 50 student branch chairs, the session served as a vital platform for collaboration and discussion. The meeting delved into several pertinent topics aimed at enhancing opportunities for students and student branches within Kerala. One of the focal points was the exploration of initiatives like the AKSC and the R10 Robotics Competition, which offer significant avenues for student engagement and development. Additionally, the discussion encompassed various funding opportunities available to student branches, including SPaX and EPICS, which play a crucial role in supporting innovative projects and initiatives. Furthermore, the meeting addressed potential challenges related to vTools reporting, aiming to streamline the reporting process and ensure effective communication within the IEEE network.

R10 Robotics Competition

The IEEE Robotics and Automation Society Kerala Chapter, in collaboration with IEEE Kerala Section and the Student Activities Committee, is organizing Stage 1 of the IEEE Region 10 Robotics Competition 2024. Spanning over one and a half months, Stage 1 comprises a comprehensive series of events designed to engage participants across Kerala. It begins with an informative online session detailing the rules, regulations, and theme of the competition, featuring insights from the previous year's runners-up. Following this, a call for participation is circulated, inviting interested individuals to present their ideas for the competition. Subsequently, a discussion platform is established to address queries and assign mentors to teams, fostering guidance and support throughout the project execution. Engineering students are targeted with three dedicated online sessions on robotics, aimed at maximizing participation across different time slots. Concurrently, a hands-on robotics workshop spanning three locations in Kerala introduces school students to the fundamentals of robotics. A review meeting is convened to assess progress, with only the top ten teams advancing to the final offline presentation session. Here, teams showcase their working or work-in-progress robots, vying for selection by a panel of professionals. Ultimately, the top two teams are chosen to represent Kerala in the forthcoming competition.

you've never

Membership Development Sessions

IEEE LINK organized and conducted Membership Development (MD) sessions in collaboration with various members of the Student Activities Committee (SAC) team and the Student Leadership Team (SLT) of IEEE LINK serving as speakers..These sessions, held in various student branches across Kerala, utilized both online and offline formats to maximize outreach and engagement.The sessions took place at St. Thomas Chengannur on March 2nd (offline), CUSAT on March 22nd (offline), RSET on March 23rd (online), MBITS on March 15th (offline), LBS on March 21st (offline), and GECK on March 19th online, NIT Calicut February 13(offline),Sahrdaya March 21(offline). Attendees were provided with comprehensive information about IEEE and its benefits, empowering them to make informed decisions about IEEE membership and encouraging active participation in IEEE activities.Through interactive presentations, discussions, and personalized engagement, students gained a deeper understanding of the advantages of IEEE membership and were encouraged to actively participate in IEEE activities. This personalized approach helped in building support and trust, ultimately leading to an increase in membership Count in these student Branches

Execom Training

IEEE LINK organized Executive Committee (Execom) training sessions in collaboration with various colleges, aimed at providing attendees with a comprehensive understanding of IEEE and its functions, as well as the roles and responsibilities of IEEE members.The sessions, held at Amal Jyothi College of Engineering on March 19th, St. Thomas College of Engineering on March 11th, and Sahrdaya College of Engineering and Technology on March 21st.participants gained insights into the structure and operations of IEEE, as well as the diverse range of opportunities available for personal and professional development within the organization. Additionally, attendees learned about the specific duties associated with IEEE membership, as well as the various societies and their respective areas of focus. The training sessions also highlighted the funding opportunities provided by IEEE societies and how the Kerala section can facilitate and support their initiatives.the Execom training sessions played a crucial role in ensuring that each and every Execom member understood their duties and responsibilities within IEEE.

Routecraft: R10 Robotics Workshop

IEEE Travancore Hub

The IEEE Robotics and Automation Society Kerala Chapter, in collaboration with IEEE Kerala Section and the Student Activities Committee in association with IEEE Travancore Hub, organized Robotics Workshop as a part of the IEEE Region 10 Robotics Competition 2024. This workshop took place on 6th April at the College of Engineering, Adoor, from 10:00 AM to 4:30 PM. Facilitated by Flemin K. Sony, UAV Lead, SIGHT R&D Team, the workshop provided participants with a comprehensive introduction to robotics. The session included hands-on activities, theoretical discussions, and real-world applications, fostering an environment of active learning. The workshop aimed to equip students with the foundational skills needed for the competition, promoting innovation and creativity in the field of robotics.

R10 Robotics Workshop

IEEE Kochi Hub

The IEEE Robotics and Automation Society Kerala Chapter, along with IEEE Kerala Section and the Student Activities Committee in association with the IEEE Kochi Hub, conducted Robotics Workshop as part of the IEEE Region 10 Robotics Competition 2024. Held on 6th April at Amal Jyoti Engineering College, Kottayam, from 9:00 AM to 1:00 PM, the workshop was facilitated by this workshop focused on the fundamentals of robotics. Participants were introduced to key concepts through a blend of lectures and hands-on activities. The event encouraged collaborative learning and problem-solving, enabling participants to gain practical experience and technical knowledge.

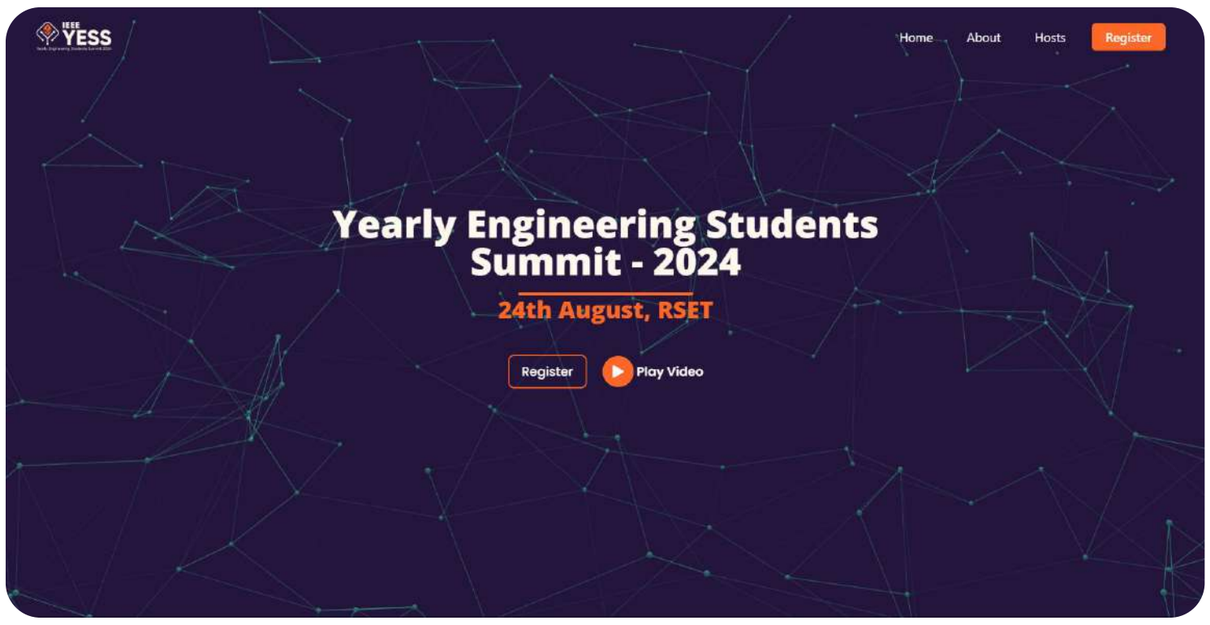
Routecraft: R10 Robotics Workshop

IEEE Malabar Hub

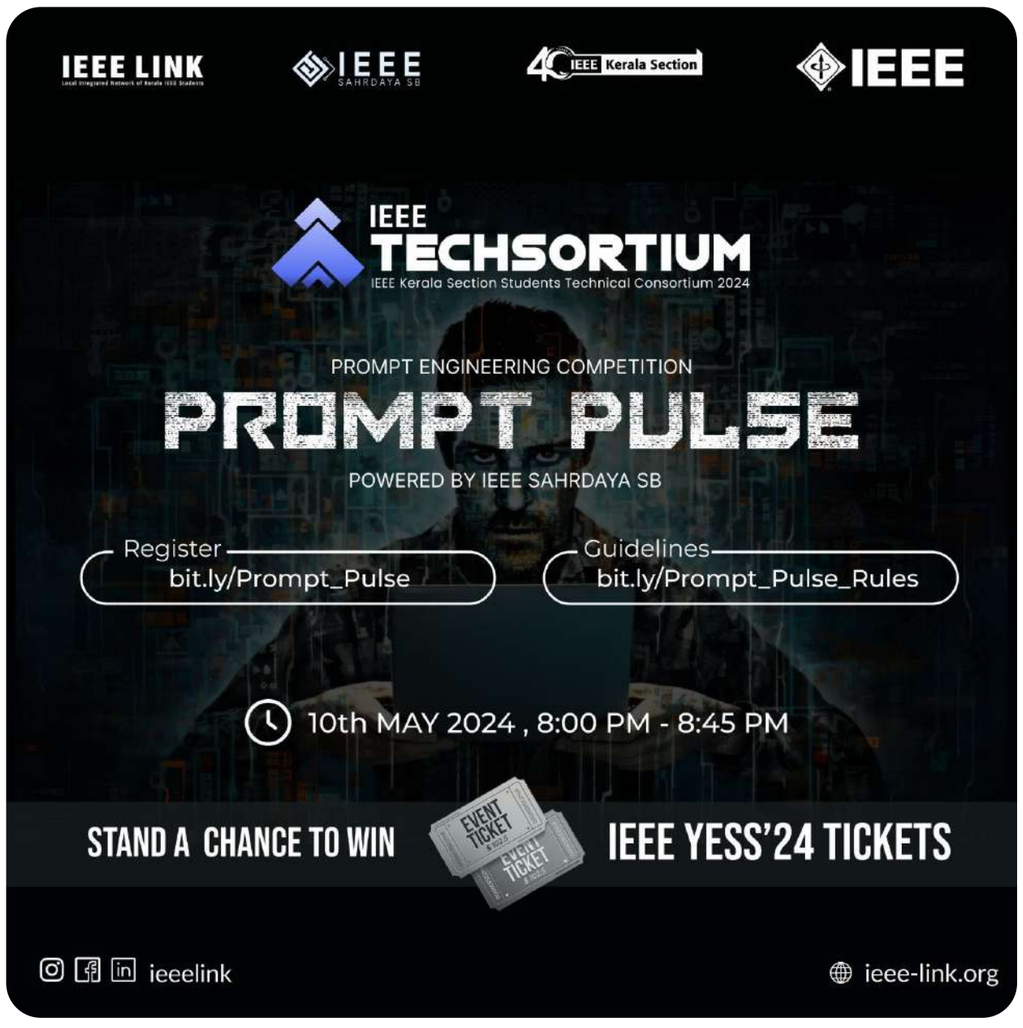
The IEEE Robotics and Automation Society Kerala Chapter, in partnership with IEEE Kerala Section and the Student Activities Committee, in association with IEEE Malabar Hub organized Robotics Workshop as a segment of the IEEE Region 10 Robotics Competition 2024. This workshop was conducted on 7th April at the College of Engineering, Kannur, from 9:00 AM to 4:00 PM. Participants were immersed in a full day of robotics training, encompassing both theoretical and practical components. The workshop provided an in-depth exploration of robotics principles, encouraging participants to experiment with and apply their knowledge. Interactive sessions and team activities were designed to enhance problem-solving skills and technical proficiency, preparing students for the challenges of the upcoming competition stages.

Official Website Launch of IEEE YESS'24

The official website and promo video for IEEE YESS 24 were launched on May 1st, 2024, marking a significant milestone for one of India's largest technical summits for engineering students. The online launch event, which began at 6:00 PM, featured prominent figures from IEEE, including Dr. Debabrata Das, Chair of IEEE India Council, who served as the guest of honor. Mr. Deepak Mathur, IEEE MGA Vice President, was the chief guest for the occasion. The newly launched website and promo video provide detailed information about the summit's objectives, schedule, and participant opportunities. The event has set an exciting precedent for IEEE YESS 24, which aims to unite engineering students nationwide for a dynamic program of technical sessions, interactive workshops, and invaluable networking experiences.



Prompt Pulse



IEEE LINK, in collaboration with IEEE SAHRDAYA SB, conducted an enthralling event titled "PROMPT PULSE – PROMPT ENGINEERING COMPETITION" as part of the IEEE Kerala Section Students Technical Consortium 2024. This online event, held on 10th May 2024 from 08:00 PM to 09:00 PM, was a remarkable opportunity for participants to demonstrate their prompt engineering skills using the online AI tool DreamStudio. A total of 84 participants enthusiastically joined the competition, showcasing their creativity and technical prowess. The event encouraged collaboration and innovation, as participants strived to generate images that closely resembled the given set. The submissions were meticulously evaluated by a panel of judges, who awarded the highest scores to the images that most accurately matched the provided prompts.

Error 404: Logo Not Found

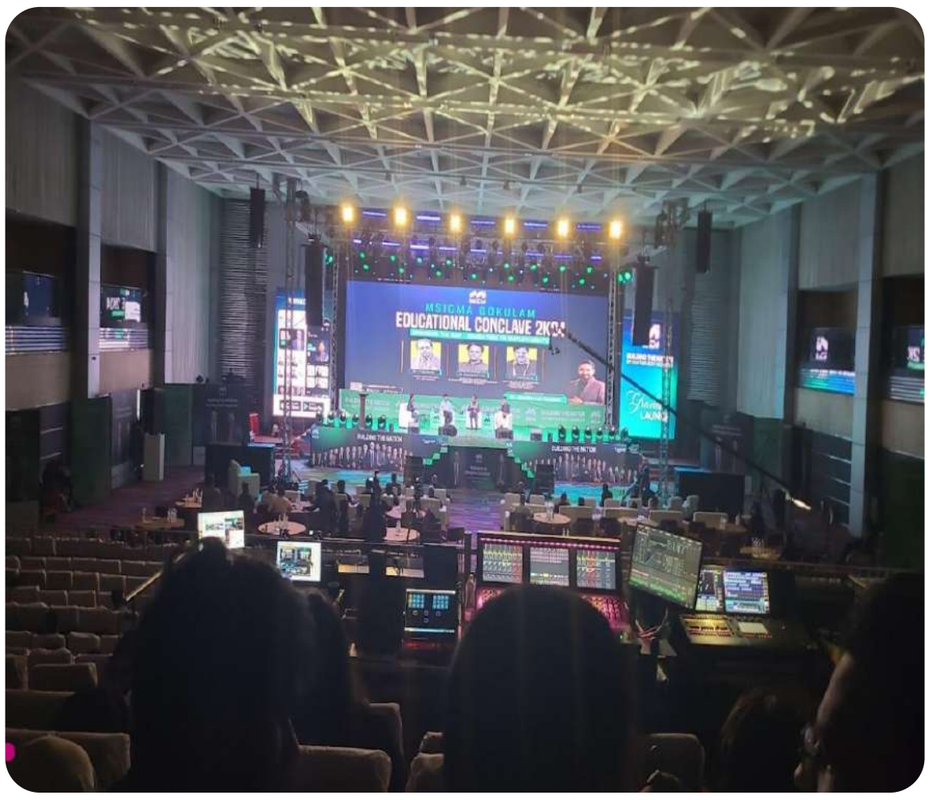
Error 404: Logo Not Found was a dynamic logo design competition conducted by IEEE LINK as part of IEEE YESS 2024, the flagship event of IEEE LINK on 7th May 2024. This competition challenged participants to craft a unique and visually compelling logo for YESS, fostering creativity and artistic expression within the engineering community. Held amidst a series of engaging activities and workshops, the event drew talented designers who showcased their skills in creating a memorable visual identity for the prestigious conference. This initiative not only highlighted the importance of branding and design in the tech world but also provided a platform for participants to contribute significantly to the IEEE YESS legacy.

Interface Innovations

As part of the IEEE Students Technical Consortium (Techsortium), IEEE LINK, in collaboration with IEEE Kerala Section, hosted an exciting 24-hour UI/UX Designing Competition named "Interface Innovations." The competition began on the May 11th at 12 PM, where participants were presented with three distinct problem statements to tackle. They had the freedom to select one of these challenges and work intensively over the next 24 hours to develop their innovative UI/UX solutions. The event encouraged participants to push the boundaries of design thinking and creativity. The competition was designed to foster skill development and provide valuable exposure to real-world design challenges. The Interface Innovations was a tremendous success, showcasing the innovative spirit of the participants and providing a platform for future growth and career advancement within the UI/UX design industry.

Msigma : TechBurst 2k24

Tech Burst 2024, India's largest engineering project presentation, was hosted by IEEE LINK in collaboration with Msigma Gokulam. The event, held on June 9, 2024, at the Gokulam Park Hotel in Kochi, showcased a broad spectrum of innovative engineering solutions and cutting-edge technologies. Teams from across the country competed fiercely for the grand prize, with a prize pool. The significant prize fund highlighted the competitive nature of the event and the high caliber of the participating projects. In addition to the grand prize, Tech Burst 2024 offered valuable sponsorship opportunities, providing participants with potential avenues for further development and collaboration. The event was not only a platform for presenting groundbreaking ideas but also a catalyst for networking and forging new partnerships. Tech Burst 2024 exemplified the spirit of innovation and excellence in the engineering community.



Enthalpy 2.0

IEEE Trivandrum Hub held Enthalpy 2.0 at Mohandas College of Engineering and Technology. As part of the SSBR Initiatives, On June 29th, 2023, This event was designed to engage Execom members from various institutions by highlighting the vast array of opportunities available through IEEE. The day began at 10:00 AM with a series of informative sessions featuring key figures from IEEE, including Dr. John George, Dilber P, and Salih Yoosaf. A key feature of the event was Sajina Sathar's presentation on the Digi Keralam digital literacy programs by the Local Self Government Department (LSGD). This session provided insights into digital literacy initiatives and how they can be leveraged for community development. The day's activities focused on utilizing IEEE resources to enhance personal and professional growth, emphasizing the value of networking and collaboration. The event concluded at around 4:00 PM, offering attendees the chance to network and build connections with IEEE members from various colleges.

Envigor 2.0

On June 29th, 2023, IEEE Kochi Hub hosted Envigor 2.0 at Saintgits Engineering College, Kottayam, focusing on empowering Execom members from various colleges by showcasing IEEE's vast opportunities. The event began at 10:00 AM with key sessions led by notable IEEE figures such as Thomas K. Jimmy, YP Mentor, Navaneeth V Nair, GSM Coordinator, and Mr. Rony Alex, YP, along with several IEEE LINK volunteers.Throughout the day, these leaders provided insights on leveraging IEEE resources for personal and professional development, emphasizing the importance of global networking and collaboration. The event concluded around 4:00 PM, offering participants valuable networking opportunities and fostering connections among IEEE members across institutions. Envigor 2.0 was a resounding success, demonstrating IEEE Kochi Hub's dedication to nurturing future IEEE leaders and strengthening the IEEE community.

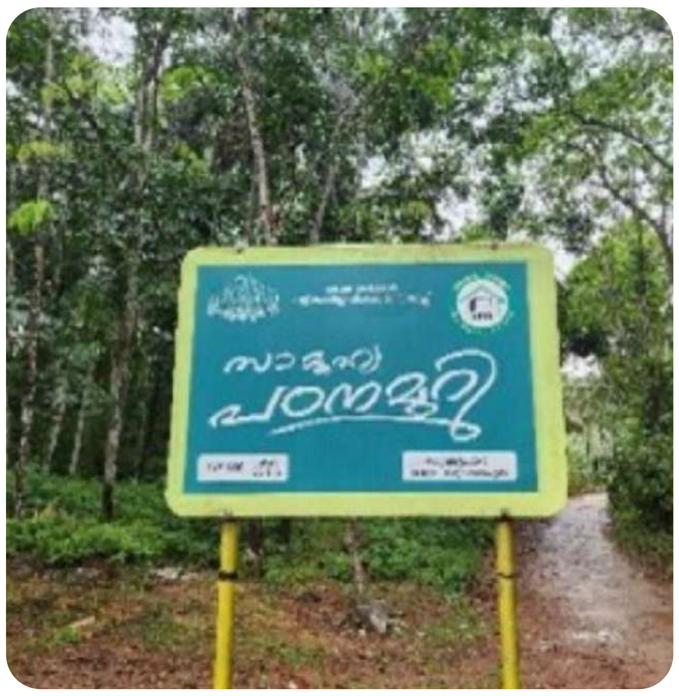
Revamp 2.0

IEEE Malabar Hub hosted Revamp 2.0 at Ahalia School of Engineering and Technology, Palakkad as part of the SSBR Initiatives On June 29th, 2023, This event aimed to empower Execom members from different colleges by showcasing the opportunities within IEEE. The event commenced at 10:00 AM and featured engaging sessions led by prominent IEEE personalities, including Prof. Sreeram M. and Govindaraman S. Participants were treated to sessions that delved into how IEEE resources can be utilized for personal and career advancement. The event fostered an environment of learning and interaction, providing practical insights into professional development and global networking. The day wrapped up around 4:00 PM, providing ample opportunity for participants to network and form connections with peers and IEEE members from various institutions. Revamp 2.0 was a notable success, reflecting IEEE Malabar Hub's commitment to nurturing future IEEE leaders and enhancing the collaborative spirit within the IEEE community.

Student Branch EVENTS

Project Vithura

IEEE SCT SB



On 11th and 16th May 2024, IEEE SIGHT SCT SB, in collaboration with the NGO Insight for Innovation, executed PROJECT VITHURA to address educational disparities in Vithura, Kerala. The initiative focused on equipping remote study centers with government-provided computers and TV screens, significantly enhancing students' access to educational resources. Dedicated volunteers from both organizations assessed the needs of each study center, assembled and installed the devices, and ensured their proper functionality. A total of 12 devices were successfully set up, tailored to meet the specific educational needs of each location. This project was crucial in bridging the digital divide, providing students in underserved communities with access to modern educational tools, and empowering them for sustained educational improvement.

Project Zyro 2.0: Pneumatic Powered Robotic Exoskeleton Prototype

IEEE SCT SB

IEEE SCT SB developed Zyro 2.0, a pneumatic-powered robotic upper limb exoskeleton designed for lifting objects up to 41 kg and assisting with at-home rehabilitation exercises. Building on the initial prototype, Zyro 1.0, the project began in May 2024. Programmable via Arduino for customizable movements, Zyro 2.0 ensures safety and versatility for various applications. With reliable power, precise control, and a user-friendly interface, it features start/stop controls, emergency shutoff, pressure relief valves, and real-time pressure gauges. Achieving significant milestones, including selection for the final rounds of the 2024 IEEE Region 10 Robotics competition and second place in Tech-Burst, a national-level project presentation by IEEE Kerala Section and MSigma Gokulam, Zyro 2.0 showcases promising advancements and a vast scope for future developments.

Distinguished Lecture Program on Autonomous Ground Vehicles and Intelligent Transportation Systems

IEEE SB CET

The Distinguished Lecture Program (DLP) on Autonomous Ground Vehicles and Intelligent Transportation Systems represented a significant milestone for the IEEE Robotics and Automation Society (RAS) Student Branch at the College of Engineering, Trivandrum. Held on 19th March 2024, at CETAA Hall at CET, this event underscored the branch's dedication to advancing knowledge in robotics & automation The DLP provided attendees with an immersive exploration of cutting-edge technologies in Autonomous Ground Vehicles and Intelligent Transportation Systems, led by the esteemed expertise of Dr. Cristina Olaverri-Monreal, professor from Johannes Kepler University, Austria. Through interactive sessions and expert guidance, participants gained insights into the complexities of AGVs and ITS, including their architectural intricacies, functionalities, and diverse applications across robotics and automation domains

LED Bulb Making and Repairing Workshop

IEEE SB CET

IEEE PES SBC CET, in collaboration with Electrical Association 2023-24, orchestrated a captivating STEM Event: the LED Bulb Making and Repairing Workshop. This initiative, held as a pre-event of TESLA '24, the esteemed department fest of the electrical engineering department, aimed to ignite young minds' interest in technology. Spearheaded by Mr. Sabir P, an accomplished LED Trainer from Elight Industries, Malapuram and a KSEB Substation Operator, the workshop was hosted at Government Technical High School in Sreekariyam, on 16th February 2024, welcoming 50 enthusiastic 9th-grade students.

CyberSummit

IEEE SB GECBH

The IEEE CS Chapter at GECBH hosted CyberSummit, a membership development session, in partnership with the IEEE CS Kerala Chapter on March 19, 2024, from 4:15 PM to 5:30 PM, held offline. Mr. Akhil Raj, Secretary of the IEEE CS Kerala Section, facilitated the session. The purpose of the event was to educate IEEE CS members about the advantages, opportunities, and scholarships available to them through their CS membership. It also aimed to encourage standard IEEE members to consider CS membership and highlighted the importance of maximizing IEEE membership benefits. Non-IEEE members were also encouraged to join IEEE and make the most of its offerings. With 52 participants, the hour-long event provided attendees with a deeper understanding of the IEEE Computer Society, including insights into chapter details and its offerings.

CommConnect

IEEE SB MCET

The Communication and Leadership Skills Workshop CommConnect, hosted Mohandas College of Engineering and Technology, convened on 6th April 2024. Over the course of the event, participants immersed themselves in a comprehensive exploration of effective communication and dynamic leadership. Through engaging sessions and interactive activities, attendees honed their abilities in listening, team building, and adapting leadership styles. The workshop culminated in a reflective recap, stimulating Q&A, and invaluable networking opportunities.

CPR Training Programme

IEEE SB CEA

On February 16, 2024, IEEE College of Engineering Adoor Student Branch SIGHT group conducted a Cardiopulmonary Resuscitation (CPR) training program at the College Auditorium ,College Of Engineering Adoor. IEEE SB CEA organized this event in collaboration with Indian College of Cardiology Kerala Chapter, Basic Responders, LifeLine Heart Institute.The program's primary objective was to equip students with the necessary CPR skills. Mr. Susheel Suresh and Mr. Mahesh KP, BLS Trainers, conducted the session, imparting valuable information on CPR and the importance of this training.

Tink-Her-Hack 2.0

IEEE SB TKMCE

Tink-Her-Hack 2.0, held at TKM College Of Engineering from March 9th to March 10th, 2024, was a groundbreaking women's hackathon organized by Tinker Hub Foundation in collaboration with IEEE SB TKMCE, IEEE WIE KERALA SECTION, and IEEE WIE AG TKMCE. With 60 participants, the event provided a supportive platform for women of all skill levels to collaborate, learn, and showcase their tech prowess. Dr. Bijuna Kunju, Vice Chair of IEEE Kerala Section, inaugurated the event.

LED Making & Converter Design Workshop

IEEE SB TKMCE

IEEE PES SBC TKMCE, in partnership with IEEE IES SBC TKMCE, hosted an enlightening LED- making workshop, spotlighting the crucial role of LED Converters. The aim was to equip students with practical knowledge of LED fundamentals and assembly. Starting with an AC to DC converter simulation session using LT spice, participants gained hands-on experience in rectification and regulation. They then actively assembled LEDS using provided kits, focusing on input and output wave simulations for deeper understanding. Finally, they delved into assembling linear LEDS for tubes, gaining practical insights into their operation.

Cygnus

IEEE MACE SB

'CYGNUS', the inaugural flagship event of IEEE Student Branch of Muslim Association College of Engineering, Venjaramoodu in collaboration with the IEEE SPS SBC MACE was conducted at the Muslim Association College of Engineering, Venjaramoodu on the 23rd of February 2024. It was a single-day event and included mainly 3 Technical workshops and an Interactive session. The day was concluded with the cultural evening programs, which helped in ending the event on a good note.

Botmaster 3.0

IEEE SB GECBH

Botmaster 3.0: Tech it up a notch is a year-long robotics trivia quiz series conducted exclusively for IEEE RAS members. Its two editions were held on April 27th and June 28th at 7.30 PM via WhatsApp platform. The editions are headed by junior committee members of IEEE RAS SBC GECBH. It provides a platform to test and nurture the talent in robotics. Throughout the event, a leaderboard of the participants will be maintained. In the end, the individual topping the leaderboard will receive prizes worth 3K

SCTIMST Open Day 2024

IEEE SCT SB

SCTIMST OPEN DAY 2024 OPEN DAY at Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum on 23rd February 2024 from 10 AM to 4 PM. The open day at SCTIMST is dedicated mainly to Students, researchers, faculty, health practitioners, the medical device industry, and the general public, to get exposed to the world of medical device development, healthcare and public health-related activities. It provided a lot of information regarding the technology and engineering aspects that can be used in the medical field. Ms. Sandra S. R., S6 EEE, Chair, IEEE EMBS, and Dr. Soumya AV, Asst. Professor, Dept. of EEE, MBCET, attended the event.

Ignite Imagination and Inspire Iconic Innovations (i5 2.0)

The Ignite Imagination and Inspire Iconic Innovations (i5 2.0) convention, organized by the 6 Chapters of IEEE Kerala Section and Digital University Kerala (host). The event kicked off with an introductory session by Prof. Alex James, the Dean of Academics at Digital University Kerala, who presented on "Grand Challenges in Electronics". One of the key highlights wa the i5-Startup Session, which provided a platform for emerging hardware entrepreneurs to showcase their products and explore internship opportunities within the IEEE community. On the second day of the event, a series of 8 engaging workshops were conducted in parallel. Day 3 saw the enlightening session on "Advances in Graphene and 2D" conducted by Prof. Rahul Nair from the University of Manchester.

IEEE CASS Symposium 24

IEEE CASS KC

The IEEE Circuits and Systems Society Symposium 24 was conducted on 9th march 2023 at Club Mahindra Ashtamudi Resort, Kollam, Kerala. The event began with a warm welcome by Dr. Alex P. James, Founding Chair of IEEE CASS Kerala Chapter. The inauguration of IEEE SB CASS Chapter at Digital University Kerala was done by Dr Rajiv Joshi,Advisor Member of IEEE CASS Kerala Chapter marking the start of discourse and collaboration. Subsequently, the Annual General Body Meeting, led by Dr. Elizabeth George, Secretary of the IEEE CASS Kerala Chapter and Post-Doc Researcher at Digital University Kerala, showcased the chapter's accomplishments in 2023 and outlined future activities for 2024, reflecting a commitment to fostering growth and innovation within the community. As part of the International Women's Day celebration, the symposium paid tribute to young female scientists from Kerala, showcasing their bios and contributions in IEEE CASS transactions, journals, and flagship conferences. Dr. Libin T. T,Vice Chair, IEEE CASS Kerala Chapter discussed the Vega processor's applications, enriching the event.

CodeForge - 24Hour Hackathon

IEEE SB UCEK

The Code Forge Hackathon, meticulously organized by IEEE SB UCEK at our college, was an electrifying convergence of student talent and innovation, spanning a rigorous 24-hour period on February 10-11, 2024. Participants were tasked with formulating ideas pertinent to our college environment and translating them into tangible prototypes within the allotted time frame. This intense collaborative effort not only cultivated a fertile ground for idea generation but also facilitated the exploration of practical solutions directly addressing the needs of our community. The esteemed presence of guests and judges such as Dr. Lizy Abraham and Thomas K Gimmy, renowned for their profound expertise in research, industry, and IEEE activities, infused the event with invaluable insights and credibility.

STEP'24

IEEE SB LBSITW

The Student Transition and Elevation Partnership, STEP'24 presented by IEEE Young Professionals Kerala Section in collaboration with IEEE PIE Kerala Section hosted by IEEE SB LBSITW was the annual flagship event of IEEE Young Professionals Kerala Section held on the 28th April, 2024. The event primarily focused on aiding pre-graduates in transitioning to the workforce by equipping them with knowledge about the current trends in the industry, the possible opportunities and a platform to network with industry experts. The event consisted of talk sessions, panel discussions and an active platform for networking. The event witnessed a successful conclusion and was well received by the participants marking yet another milestone for IEEE SB LBSITW.

Three-Day Hands-on Workshop on Neuromorphic Analog Circuits

IEEE SB DUK

"Three Day Hands-on Workshop on Neuromorphic Analog Circuits" by IEEE Maker CASS Club, Digital University Kerala in association with IEEE CASS Kerala Chapter and Maker Village, Kochi. The event was conducted from 22-24, April 2024. Thirty three students from first year Msc and M-tech participated in the workshop. Participants received practical instruction on how to use open-source semiconductor design tools during the program. The students explored the use of design tools, design flow from schematic to GDS. The schematic to GDS of resistor, capacitor, RC integrator was done during the program.The crossbar architecture was explained to them. On the third day, a hackathon was conducted for students on Day 3 from 9:30 am, where they were asked to do schematic and layout of transistor and form neuromorphic architecture with activation functions. All the students eagerly participated in the hackathon and submitted their results at 5:00 pm.

The Power Of Autocad

IEEE SB BJI

The “POWER OF AUTOCAD” , organized by IEEE SB BJI on the 28th of April in association with Department of EEE and COGNIZ’24 held at BISHOP JEROME INSTITUTE , Kollam served as a platform for passionate designers and engineers to exchange ideas, learn new skills, and network with the facilitator. Participants gained valuable insights into leveraging AutoCAD for diverse design projects across residential, commercial, and industrial sectors. A total of 10 participants from various college’s together with the volunteers made this event into reality.

Matrix

IEEE SB AEC

Matrix Chapter 2, organized by IEEE SB AEC in association with IDEA Mirror AEC and TROCSA AEC on the 5th, 6th, and 7th of April, was a 3-day bootcamp dedicated to upskilling our fellow tech enthusiasts, held at the College of Engineering Aranmula. The bootcamp was about Python and its applications in artificial intelligence. Matrix Chapter 2 spanned over 3 days and featured a blend of technical and cultural events like treasure hunts, tech talks, panel discussions, campfires, etc. 33 tech enthusiasts actively participated in this event.

Membership Development 24

IEEE SB CEAL

The IEEE membership development session held on March 30, 2024, at the College of Engineering, Attingal, was highly successful, attracting 230 students. Led by Mr. Salih Yoosaf, the session lasted three hours, offering a thorough overview of IEEE’s significance in engineering and technology. With engaging discussions and presentations, Mr. Yoosaf highlighted the benefits of IEEE membership, including access to research publications and global networking opportunities. Students participated actively, fostering connections with peers and exploring collaborative opportunities within the IEEE community, creating a dynamic learning environment.

Captian's Course

IEEE SB CEKTR

'Captain's Course' , a leadership program conducted by our IEEE SB College of Engineering, Kottarakkara Has been the highlight of our journey this year. It's an interactive session with the new and old members of our SB and to implement the essence of leadership in managing events and the importance of it. Leadership is the art of inspiring and guiding others towards a common goal, fostering collaboration, and achieving excellence. The event was successful and we've ultimately fueled positive change on our members, fosters growth, and leaves a lasting impact on others. The event encapsulates the continuous journey of learning, self-reflection, and dedication to serving others for the greater good.

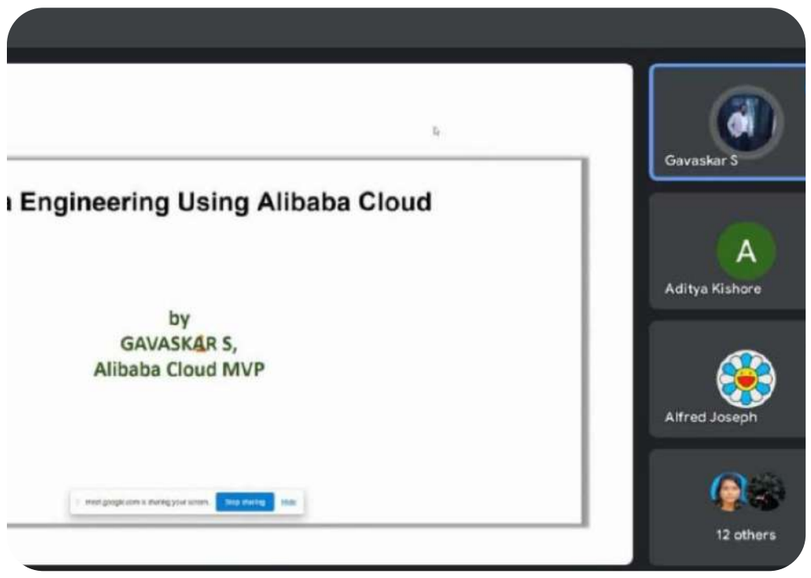
FemFusion

IEEE SB CE Perumon

IEEE WIE SB CE Perumon hosted the talk session "FemFusion" as part of International Women's Day celebrations on 8th March 2024 at 08:00 PM. The session was focused on the topic of navigating career paths after BTech from a woman's perspective. Ms. Amalu A P, a Software Developer at UST, shared her experiences and valuable advice during the session. The event aimed to inspire women entering careers after BTech by providing guidance and real-world experiences from a female software developer. Ms. Amalu shared her experiences and valuable advice to inspire young women to break barriers and forge their paths in the tech industry. Attendees learned about different career options, how to find the right job, and how to succeed in the tech industry.

L-Tech Talk Series

IEEE SB LMCST

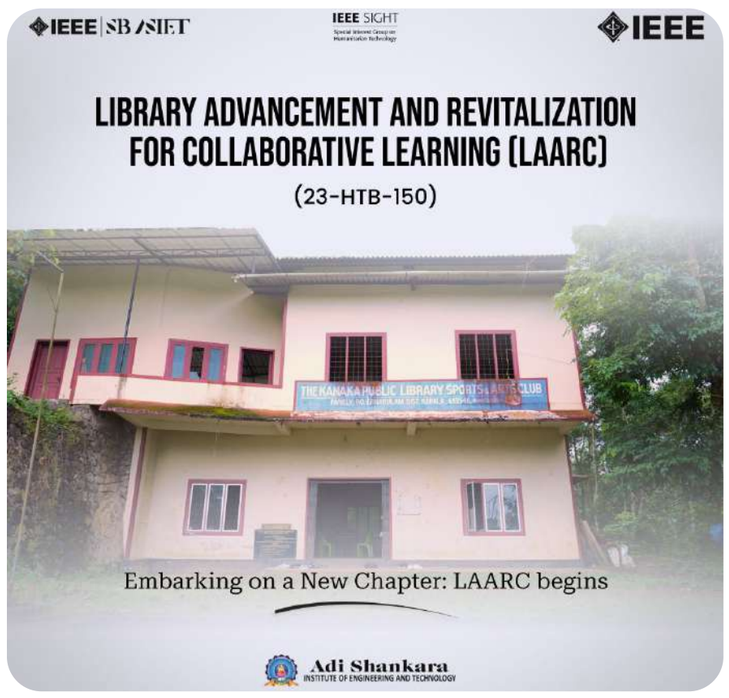


On April 13th, 2024, the IEEE Student Branch at Lourdes Matha College of Science and Technology hosted an interesting L-Talk session on Data Engineering with Alibaba Cloud. Led by famous data engineer Gavaskar S via Google Meet, the event drew a broad audience of 50 students, both IEEE and non-IEEE members. Gavaskar gave a detailed introduction of data engineering principles. The IEEE Student Branch thanks Gavaskar S for his insightful lecture and plans to organize more instructive sessions in the future.

Kochi Hub

LAARC: Library Advancement and Revitalization for Collaborative Learning

IEEE SB ASIET



The Library Advancement and Revitalization for Collaborative Learning (LAARC) project, led by Sam K. Saju and Nandana, aims to transform the Kanaka Public Library in Paniely, Kerala, into a modern educational and community hub. Launched under IEEE's humanitarian initiative, LAARC addresses issues such as outdated digital tools and deteriorating infrastructure. IEEE SB ASIET secured a $3,216 grant. The project focuses on digitizing library content, upgrading infrastructure, and creating a welcoming space for local youth. LAARC also fostered community involvement through a successful book drive, demonstrating how technology can meet fundamental community needs. Overall, LAARC highlights the positive effects of merging technical skills with humanitarian goals.

Aspren'24

IEEE SB ASIET

Aspren is an annual final-year project exhibition and contest organized by Adi Shankara Institute of Engineering and Technology (ASIET) in collaboration with IEEE SB ASIET, designed to foster student creativity and innovation. The event highlights emerging technologies and practical applications, providing a platform for students to showcase their projects. Participants present their projects to a diverse audience, including judges, educators, and peers, enhancing their public speaking and networking skills. Aspren underscores a commitment to advancing STEM education and engineering excellence, creating a dynamic environment for showcasing innovation.

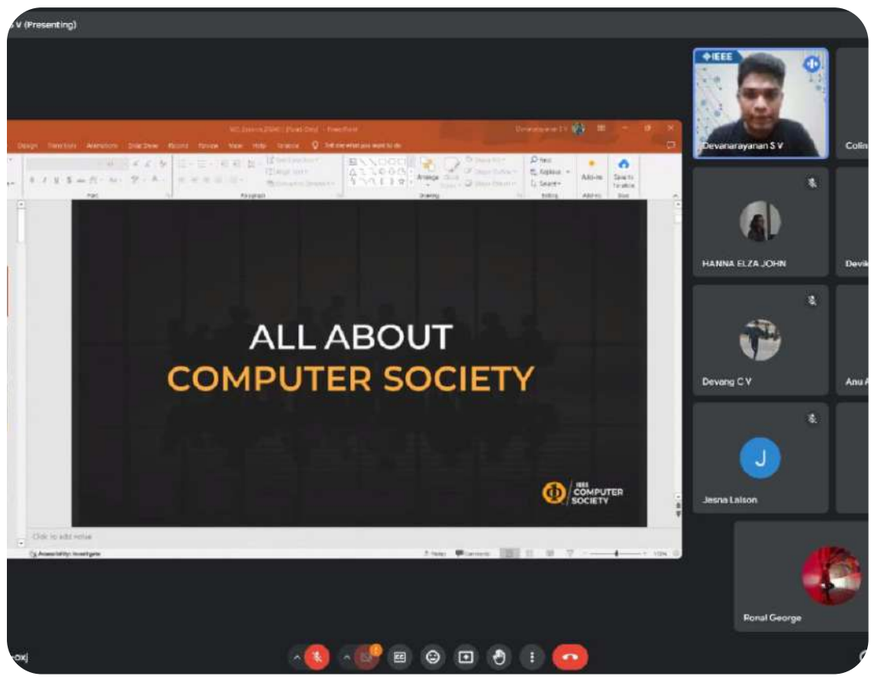
Roundtable Conference

IEEE SB MACE

On 8th March, 2024, IEEE WIE AG MACE conducted a round table conference as part of Women's Day celebrations via Google Meet. Eminent leaders, including Lt. Col. Amita Naze, Anita George, Shajiha Mansoor, and Reshmi Menon, engaged in discussions covering industry loopholes, postpartum depression awareness, and advancements in STEM. The session, attended by around 50 participants, was indeed fruitful, enlightening budding and aspiring engineers about the dynamics of working in diverse professional fields. It also offered a valuable opportunity for interaction with successful figures from various walks of life.

CSync

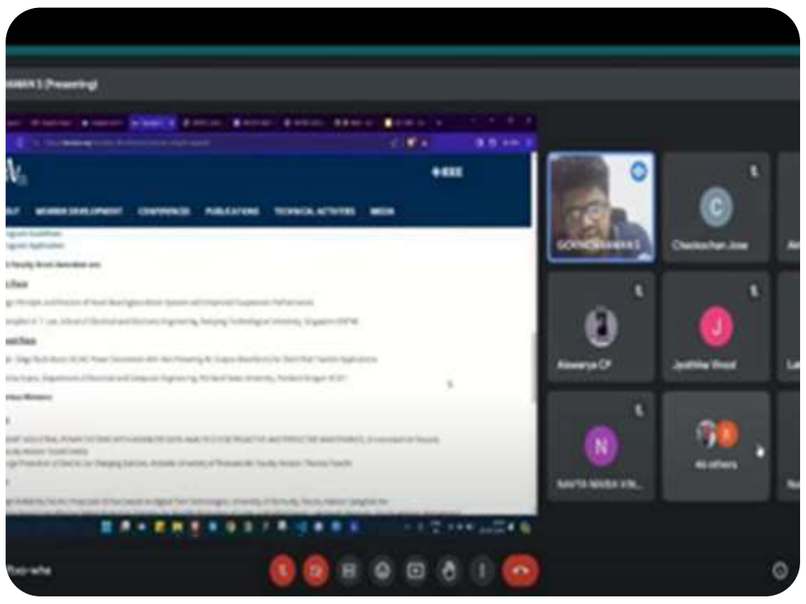
IEEE SB MACE



CSync, an event organized by the IEEE CS Student Branch Chapter at MACE under the IEEE CS Kerala Section, took place on 9th March 2024 virtually through Google Meet. The event aimed to provide attendees with insights into the benefits and opportunities associated with IEEE Computer Society (CS) membership, fostering academic and professional growth in the realm of computer science.The session was led by Mr. Devanarayanan S V, Student Representative of the IEEE CS Kerala Chapter and Chair of IEEE GECBH SB. Participants were equipped with the knowledge and resources necessary to explore further engagement with IEEE CS and leverage its opportunities for academic and professional advancement.

CMD Awareness Session

IEEE SB MACE



The CMD Awareness Session was organized by IEEE IAS Chapter MACE on 21st of March 2024, via Google meet to provide valuable insights into the various awards offered by IEEE in various technical domains. The session was handled by Mr. Govindaraman, who introduced various awards that IEEE offers, emphasizing their importance. Comprehensive information was given regarding the requirements for these awards, including deadlines, necessary documentation, and eligibility criteria.The session attended by around 60 participants and was wrapped up with an interactive Q&A session

Technista' 24

IEEE SB SJCET

IEEE SB SJCET hosted its annual technical convention, Technista '24, from February 28th to March 2nd, 2024, utilizing a hybrid format blending online and offline activities. The event showcased a variety of engaging activities, including AI Tide, which explored AI applications comprehensively, and IEEE Empowering Futures, highlighting professional growth prospects. Design Influx featured a product design competition, while Palette Pulse celebrated Women's Day with a poster design contest. Algocraft provided a challenge in programming algorithms. These activities not only deepened participants' understanding of technology but also provided platforms to exhibit skills and creativity. Technista '24 successfully engaged participants in meaningful discussions, skill development, and networking opportunities, enriching the overall experience for all involved.

AB Initio 3.0

IEEE SB CEP

AB INITIO 3.0, the year-long Online Quiz Series aimed at engaging students, was successfully conducted by IEEE SB CE Poonjar in collaboration with IEEE ComSoc SBC CE Poonjar, WIE AG CE Poonjar and Computer Society. It was the first edition and was based on the topic "Application programming and OS." The event garnered positive feedback, indicating its success. Winners were duly announced following the conclusion of the quiz.

Brain.io

IEEE SB MITS

Brain.io, an offline workshop, a part of Shreshta 2.0 at MITS, provided an immersive dive into the realm of Brain-Computer Interface (BCI) technology. Taking place at John McCarthy Lab on March 2nd, 2024, from 9 am to 4:30 pm, the event was organized by IEEE SB MITS, with coordination efforts led by Karthik U and Joanna Merine Noble. Speaker Ajay Antony guided the workshop, delivering fascinating sessions that explained the variations of BCI fundamentals and explored its various applications.

Womanifest 2024

IEEE SB SCE

On Women’s Day,March 7, 2024, IEEE SB Saintgits organized WOMANIFEST at Jeevan Jyothi Ashram Convent, where 17 members from the IEEE Executive committiee visited . The IEEE members generously provided food collected beforehand, ensuring the mothers were cared for. Entertainment programs, including dance performances, organized by IEEE members, brought joy to the older residents. Additionally, essential clothing items were distributed among the ashram's residents. The primary objective of the WOMANIFEST event was to extend support and foster a sense of humanity, community, and social responsibility. Through this initiative, IEEE SB demonstrated solidarity with the residents, enriching their lives with compassion and companionship. The event, WOMANIFEST, exemplified the IEEE SB's commitment to serving the community and upholding the values of empathy and care.

Circuit Forge

IEEE SB RIT

The “Circuit Forge” Arduino Workshop, organized by IEEE SPS SBC RIT in collaboration with IEEE IAS SBC RIT and VIDYUTH, the Electrical and Electronics Engineering Department Tech Fest, was held at the EEE Department Seminar Hall of RIT on March 15th, 2024, from 10 AM to 4 PM. Led by speakers Nevin Seby and Naveen, both S6 ECE students, the workshop aimed to equip participants with comprehensive knowledge and practical skills in Arduino programming and circuit design. The workshop fostered a collaborative atmosphere, facilitating meaningful exchanges of ideas and networking opportunities among participants. Through interactive sessions and engaging demonstrations, attendees gained insights into the real-world applications of Arduino technology. Overall, the "Circuit Forge" Arduino Workshop proved to be a successful platform for learning and innovation within the RIT community.

PowerConnect +

IEEE SB AJCE

PowerConnect+ was a 2-day program aimed at immersing students in the world of Power Electronics, featuring expert guidance from ISRO, IITs, and IEEE PES. Made possible by a grant of $1250 from IEEE PES MDI 2023, the event provided a unique opportunity for students to explore and innovate in this dynamic field. Dr. Bijuna Kunju K, Vice-chair of IEEE Kerala Section, inaugurated the event. Other distinguished guests included Dr. Lillykutty Jacob, Principal,AJCE, Mr. Abhinav Rajeev, Research Fellow, IIT Palakkad, Prof. Sunitha Beevi, Chair, IEEE SIGHT Kerala Section, K M Abubeker, Advisor, IEEE SIGHT AJCE and Indu Reena Varughese, Branch counsellor, IEEE SB AJCE.

Research and Startup Initiatives

IEEE SB SNGCE

A session on RESEARCH AND STARTUP INITIATIVES of APJ Abdul Kalam Technology, event held at Sree Narayana Gurukulam Collage of Engineering in Kadayiruppu, Kochi. It was organized by IEEE SPS SBC SNGCE in collaboration with IEEE SB SNGCE on 25th June 2024.The session was led by. Dr. Biju K, Assistant Director (Research), APJ Abdul Kalam Technological University, Secretary, IEEE Kerala Section. APJKTU's Research Scheme provides a platform for the faculty members and the students to initiate research projects. he highlighted the Startup Initiatives led by APJ Abdul Kalam Technology, which actively promotes startup and entrepreneurial skills among students. This meticulously planned event involved active participation from 65 individuals who engaged in insightful conversations about research and entrepreneurship.

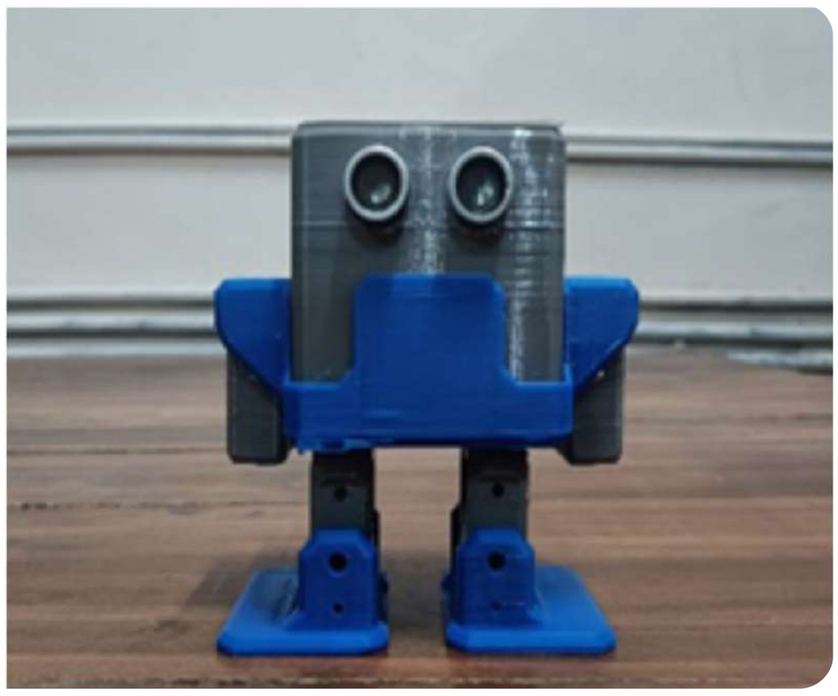
Innohive

IEEE SB TocH

startup pitching competition 'INNOHIVE: From Idea to Impact,' organized by IEEE WiE SBAG Toc H in association with IEEE SB Toc H, was successfully held on April 5th, 2024. The event aimed to give students a unique chance to showcase their innovative ideas, receive feedback, and expand their network. The event had 16 participants. Pitches were evaluated based on innovation, feasibility, social impact, presentation, and team capabilities.

Techtrek

IEEE SB CEC



IEEE Robotics & Automation Society Student Branch Chapter College of Engineering Chengannur conducted a workshop called TECHTREK from 16th April 2024 to 23rd April 2024, from 4:00 pm to 5:30 pm. The session had 35 participants and was conducted by Alan George Cheriyan, Chairperson, IEEE RAS SBC CEC, and Mark J Philip, Secretary, IEEE RAS SBC CEC. The objective was to introduce participants to robotics and build Otto Bot, an interactive robot.

Tesseract 7.0

IEEE SB SJCET

TESSERACT 7.0, the flagship event of IEEE SB SJCET was conducted on the 27th and 28th of April 2024. The event consisted of talk sessions by two reputed Professors from IIT Guwahati, Dr. T Venkatesh, HOD of Computer Science department and Dr. John Jose, Vice-Chair IEEE India Council. Towards the evening, participants were treated to cultural sessions and a live interview with Ms. Aparna Premraj. The event included workshops on Blender, IOT and Natural Language Processing.

PeerPro

IEEE SB RIT

PeerPro is an immersive 4-week program that offers an enriching and collaborative learning experience with experienced mentors. This comprehensive program covers a wide range of domains, including Python, JavaScript, Photoshop, React, and Premiere Pro. The program commenced on 28th June 2024, providing participants with hands-on learning experiences and practical application. Attendees are consistently challenged with graded tasks, providing them with valuable opportunities for growth and development.

Grand 100th Day of 100 RTL Days Challenge

IEEE SAHRDAYA SB

The IEEE Circuits and Systems Society Student Branch organized the Grand 100th Day of 100RTL Days challenge at Sahrdaya College of Engineering and Technology. RTL coding is crucial in chip design, enabling accurate simulation and synthesis. The event featured a warm welcome from Dr. Nixon Kuruvila, a warm welcome from Ms. Vidyamol K., and a book release. The event also featured an interaction section with Dr. Sreelal S, Dr. Subrahmanyam Mula, and students. The event highlighted the importance of continuous learning and innovation in the field of circuits and systems.

Path to Internationalization

IEEE SAHRDAYA SB

IEEE SAHRDAYA SB organized a session called PATH TO INTERNATIONALIZATION from 09:30 AM to 10:30 AM at Multi-Purpose Indoor Stadium. The session was led by Mr. Shone Jose, Chair of Student Activity Committee, IEEE Kerala Section. The session is focused on final-year students about the opportunities and benefits of internationalization, particularly within the context of being part of IEEE. The participants engaged in discussions that delved into international internships, research collaborations and postgraduate studies enabling them to make informed decisions about their future endeavors.

Q and A session allowed participants to engage throughout the session, seeking clarification on various aspects of Internationalization and IEEE's role therein. Overall, the session was very interactive. Students were encouraged to share their thoughts and experiences, making it a lively discussion.

SB Inauguration

IEEE SB CVV

On April 17th, Chinmaya Vishwa Vidyapeeth (CVV) hosted the inauguration of its IEEE Student Branch, an event marked by the presence of notable figures from the IEEE community. The ceremony featured chief guests including Prof. Muhammad Kasim, IEEE Kerala Section Chair, Dr. K.R. Suresh Nair, a member of the IEEE Nominations and Appointment Committee, Dr. Mini Ulanat, Senior Member of IEEE, Mr. Shone Jose, Student Activities Chair, and Mr. Thomas K. Gimmy, also a Student Activities Chair. The ceremony underscored the importance of IEEE's role in fostering technical innovation and professional growth among students. The event was a significant milestone for CVV, highlighting its commitment to integrating global professional standards and fostering a culture of innovation. The presence and speeches of distinguished IEEE leaders inspired the student community.

Introduction to Proteus Design Suite Workshop

IEEE CUSAT SB

The introduction to proteus design suite workshop,A workshop on circuit simulation and pct design ,this event was conducted with the growing industry in semiconductor in in-house manufacturing in mind to give a supportive digital tool usability and opportunities as a step stone .This event was conducted by IEEE CUSAT SB in collaboration with IEEE Kochi Subsection and ECSA. The event was conducted on 24 february 2024 and 18 March 2024 at OLD SOE1,CUSAT with Two sessions at a time of eve from 4:00pm to 5:00pm ,There were around 60 participants with around 15 of them being IEEE members.The outcome were positively responsive.

Femmeverve

IEEE SB CEM

FEMME VERVE was an enlightening experience sharing talk session conducted by the Women In Engineering Affinity group of IEEE Student Branch College Of Engineering Munnar. The speaker of the session was Dr. Bijuna Kunju K , Vice Chair of IEEE Kerala Section . The session was conducted in online mode , on Saturday , 23 March at 8:00 PM. It was an interactive session were Bijuna ma'am shared her experiences and thoughts , also the main focus of the session was The role of a technical professional society like IEEE in the life of people living in backward conditions .At the end of the session Mr. Thomas K Jimmy , Student Activity Coordinator of SPS Kerala Chapter has also joined us in the talk session in an effective manner . And that's how this unforgettable event came to a close , leaving incredible memories and a sense of anticipation for what the future may hold.

Git & Github

IEEE SB GECI

The GIT & GITHUB 2024 event, organized by Vishak Raj S from IEEE RAS SBC GECI in collaboration with IEEE SB GECI, was held on March 26th at Government Engineering College, Idukki. This session focused on key aspects of GIT and GITHUB. A total of 32 participants attended, indicating a strong interest in learning about version control and collaborative software development. Key topics included GIT fundamentals, tracking code changes, error handling, streamlining workflows.... Overall the event was well-received, offering valuable insights and fostering a better understanding of collaborative coding practices.

Blending innovation and business Acumen

IEEE SB IESCE

IEEE serves as a hub for like-minded professionals, researchers and students providing a platform where ideas converge and breakthroughs emerge. On behalf of the IEEE student branch of IES college of engineering is conducting the program Blending innovation and business Acumen. program conducted in offline suction in half day duration. Mr Christo kollannur is the chief guest of the day. Combination and knowledge ,skills, and experience that enables individuals to understand business situations, make sound decisions, and drive successful outcomes for an organization.

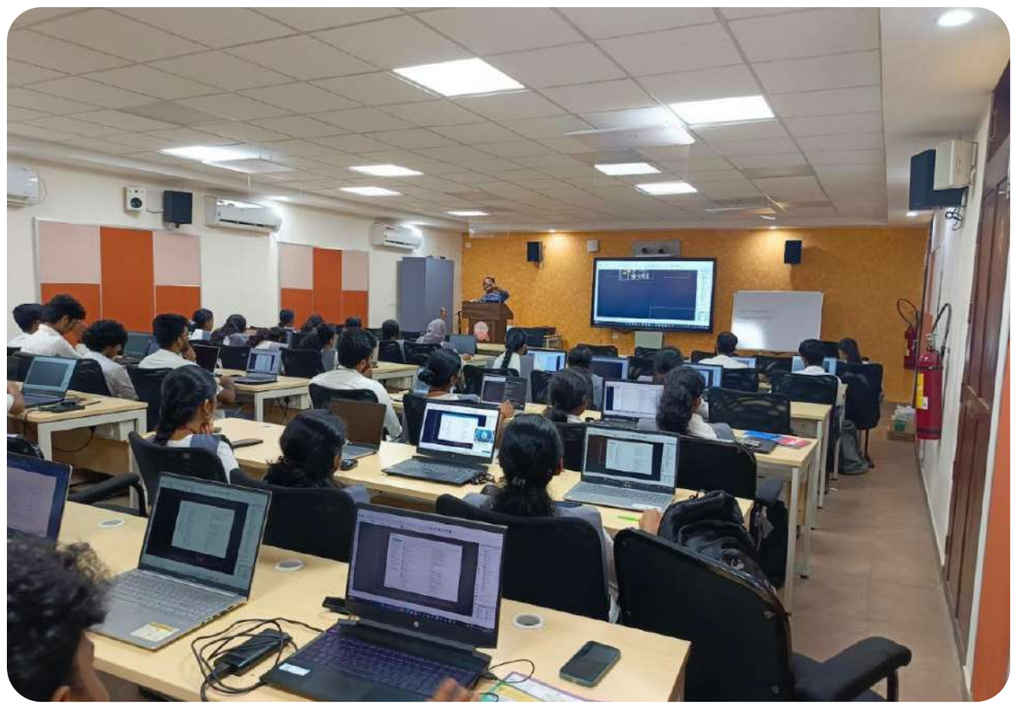
Simulathon

IEEE SB GECT

The Simulathon competition, organized by the IEEE Robotics and Automation Society Student Branch (IEEE RAS SB) at Government Engineering College, Thrissur (GECT), was a significant event held as part of Robo Week. This report provides an overview of the competition, including its objectives, participation, judging process, winners, and prizes.

Chip Chat

IEEE SB MEC



Chip Chat is MEC's Workshop series on VLSI and Embedded System Design organized by IEEE MEC CASS SB, Mixed Signals, and the C2S program of Meit Y. The first workshop in the series, 'STM32-based Embedded Evaluation Board Design using KiCAD', allows mastering the creation of robust embedded systems from scratch and getting hands-on experience with KiCAD, a widely used open-source PCB design tool. A total of 47 participants attended the KiCAD session. Participation certificates were given to all participants of the workshop.

Redefining Success

IEEE SB RSET

RSET IEEE WiE SB, on the occasion of Women's Day 2024, conducted "Redefining Success"- a session on special internships and IEEE benefits. The session was handled by Ms. Nivetha K M, alumni of RSET. The speaker, Ms.Nivetha handled the session wonderfully and gave insightful tips on networking strategies and building soft skills. Ms. Namitha Mariam John, a student of RSET, anchored the session. Overall the event was successful and received good feedback from the participants

Beyond The Loop

IEEE ICET SB

IEEE ICET organized the "Beyond The Loop" 24-hour hackathon on April 3rd and 4th, sponsored by NOCODB, SEGMIND, Wolfram, Axure, GitHub Campus Expert, TinkerHub Foundation, and TinkerHub ICET at Ilahia College of Engineering and Technology. This event provided a platform for participants to collaborate and innovate, resulting in the development of various types of innovative projects. With the support of sponsors like NOCODB, SEGMIND, and Wolfram, participants leveraged advanced technologies such as no-code database development, machine learning, and computational software to create solutions to real-world problems. Axure's sponsorship facilitated the creation of high-fidelity prototypes, while GitHub Campus Expert and TinkerHub Foundation provided mentorship and resources for participants. Throughout the hackathon, teams worked tirelessly to brainstorm ideas, develop prototypes, and present their solutions, showcasing their creativity and technical prowess. The event exemplified the spirit of collaboration and innovation, empowering participants to push the boundaries of their skills and develop impactful solutions in a constrained time frame.

dessert

Malabar Hub

Electronic Literacy Program

IEEE SB GECK

IEEE SB GEC Kozhikode, along with the NSS Palakkad Alumni group "Darshana," has started an admirable project - an electronic literacy program for PRISM (Practical Research Investigating the Scientific Method) Schools. Electronic devices required for the illustration and for the students to practice with are provided by DARSANA. This program is initially started at the GVHS school for girls, NADAKKAVU, KOZHIKODE. The classes for students are taken by the trained IEEE volunteers from IEEE SB GECKKD

Techxplore

IEEE SB GECK

IEEE SB GEC KOZHIKODE conducted TECHXPLORE on 11th june, 2023, as a pre event of 'Road Map To Success in Engineering Studies', in collaboration with IEEE SB NITC and IEEE Malabar Subsection. The event mainly focused on students from 9th grade to 12th grade to help them explore more about engineering studies. The speaker for the event was Muhammed Akbar KK, Director & Product Designer, Birdeye Technologies LLP, Calicut.The event focused on app development and 3D product designing using MIT App Inventor and Tinkercad. It provided them with practical skills, insights into engineering careers.

Avivar

IEEE SB COET

AVIVAR, hosted by IEEE SB College of Engineering Thalassery on February 24, 2024, was a day of exploration, inspiration, and celebration for our first-year students. The morning began with registration, followed by an engaging ice breaking session led by Neha, fostering connections among attendees.The award ceremony honored achievers like Namha Naufal , Fathima Hanaan, Vidhu Krishna, Nafih Hassan and Neha, with Fathima Hanaan delivering a heartfelt thank-you speech. AVIVAR 2023 showcased the spirit of curiosity and collaboration among Coetians.

Illustra 24

IEEE SB GECW

The IEEE Student Branch GEC Wayanad organized ILLUSTRA'24 on March 2nd and 3rd, 2024, featuring diverse sessions and a workshop. Day 1 included Overleaf exploration, trading guidance, Linux demystification. Day 2 showcased a workshop on building line follower robots, fostering hands-on learning. ILLUSTRA'24 provided a platform for knowledge exchange and skill enhancement, inspiring attendees with technology and innovation.

Magnathon 2.0

IEEE SB CEV

Magnathon 2.0 organized by IEEE SB CEV, was a national-level hackathon held on April 17th and 18th held at College of Engineering Vadakara . The event gathered over 120 participants from across the country, competing for a prize pool of 50k. The theme centered on Sustainable Energy and Renewable Future, aligning with the UN Sustainable Development Goals. Two standout moments of the event included Mr. Gileesh M, the former IEEE Kerala Section Vice Chair of 2023, inaugurating the hackathon, and Professor V K Dhamodharan, an IEEE Life Senior

Tink-Her-Hack

IEEE SB LBSCEK

IEEE SB LBSCEK hosted the "TINK-Her-HACK" event in collaboration with Tinkerhub Kerala Section and Tinkerhub LBSCEK. The event aimed to empower female students in technology and innovation through a hackathon-style competition. Held overnight in the Ladies' hostel of LBS College of Engineering, Kasaragod, 24 participants formed teams and showcased innovative projects. With enthusiastic participation, the event garnered positive feedback from participants, volunteers, and mentors. We anticipate organizing similar events in the future to foster diversity and inclusivity in the tech industry.

Path to Internationalization

IEEE SB STM

The "Path to Internationalization" seminar held on March 11, 2024, by the IEEE SB of St. Thomas College of Engineering and Technology, Mattanur , was highly engaging. Led by Mr. Shone Jose, IEEE Kerala Section SAC Chair, the seminar aimed to guide participants towards global opportunities, leveraging IEEE resources for international experiences. Mr. Jose's friendly delivery and interactive approach facilitated collaborative learning on topics such as studying abroad, global conferences, and cross-cultural communication skills. Participants found the session valuable, gaining insights into accessing international opportunities through IEEE membership. Overall, the seminar was a success, empowering attendees to embrace global advancements.

Cognize Us!

IEEE SB GCEK

IEEE PELS GCEK, alongside IEEE IAS GCEK and IEEE IA/IE/PELS Jt Chapter Kerala, orchestrated the successful "Cognize Us" event on 20th March 2024, aimed at elucidating the activities, benefits, and opportunities within IEEE PELS and IEEE IAS. Anakha, the student representative, delivered an insightful presentation covering IEEE PELS and IAS societies, membership perks, standards, publications, student grants, scholarships, and branch chapter collaborations. This collaborative effort facilitated a rich exchange of knowledge and community engagement, exemplifying the spirit of the IEEE network. Through the coordinated efforts of IEEE PELS SBC GCEK, IEEE IAS SBC GCEK, and IEEE IA/IE/PELS Jt Chapter Kerala, the event not only informed participants but also nurtured a culture of sharing within the IEEE community, enhancing the overall experience for attendees.

Comics Canva

IEEE SB GCEK

The Comics Canva Online Japanese Style Comic Writing Competition provided an immersive platform for comic enthusiasts to unleash their creativity and storytelling prowess. Participants from diverse backgrounds and skill levels converged to showcase their unique narratives and artistic expressions within the dynamic realm of Japanese-style comic writing, known as manga. From gripping adventures to heartfelt dramas, each submission offered a glimpse into the boundless imagination and passion of its creator, contributing to the rich tapestry of manga storytelling

National Entrepreneurship Conclave 2.0

IEEE SB LEAD

National Entrepreneurship Conclave 2.0 (NEC2.0) is a transformative program offered by LEAD College of Management in collaboration with various other institutions like KSUM, KIED, K-DISC, IPTIF, TECH IN, PMA, KIF, KSSIA, KBS, IEEE, IEDC, LEAD-BI etc. The NEC takes the participants through a structured journey of ideation, business modelling, investor pitch deck etc. The second stage which happened on 26th, 27th and 28th of January 2024 offered a platform for presenting their Business model to a Panel of Experts and Pitch to the investors. Through pitch sessions and interactions, entrepreneurs can showcase their ventures, attract investment interest, and forge valuable connections.

Game Development Workshop

IEEE SB CETkr

IEEE SB CETkr, in collaboration with IEEE SB VJEC, organized a workshop titled "Game Development using Unity" on April 8, 2024. Open to students from all colleges, it garnered 53 online registrations, from various colleges. Utilizing ₹4000 from the SB fund, IEEE SB CETkr and IEEE SB VJEC covered the expenses for resource persons and refreshments. The session was highly engaging, eliciting a positive response from the students.

Webinar On Research and startup initiatives

IEEE SB VJEC

IEEE SB VJEC organized a webinar on "Research and startup initiatives of APJ Abdul Kalam Technological University," led by Dr. Biju K, Assistant Director of APJAKTU. The session covered research funding opportunities and startup support, concluding with an interactive Q&A session with students.

Technical Talk On IoT

IEEE SB JCET

IEEE Student Branch of Jawaharlal College of Engineering and Technology conducted a technical talk session about Internet of Things and its application in engineering namely “BUILDING WITH THE CONNECTED WORLD”. The program was coordinated by Neeraj P M and Sreelakshmi M. The technical talk session was handled by Ms. Vijitha G, Assistant Professor, ECE, JCET. The program was organized on 23th March 2024, 1.15 PM IST at Jawaharlal college of engineering and technology, lakkidi.

Tink-Her-Hack

IEEE SB GEC Palakkad

The "Tink-Her-Hack" event, hosted at the Government Engineering College Palakkad on March 2nd and 3rd, provided a unique platform tailored specifically for female participants. The event was organized by IEEE SB GEC Palakkad in association with Tinkerhub, aiming to empower and foster skill development among young women in technology. The hackathon saw enthusiastic participation with 11 teams comprising a total of 33 participants. The hackathon commenced on March 2nd at 3:00 PM and concluded on March 3rd at 11:00 AM. Throughout this 20-hour intensive event, teams showcased their coding abilities and problem-solving skills, tackling challenges with enthusiasm and determination.

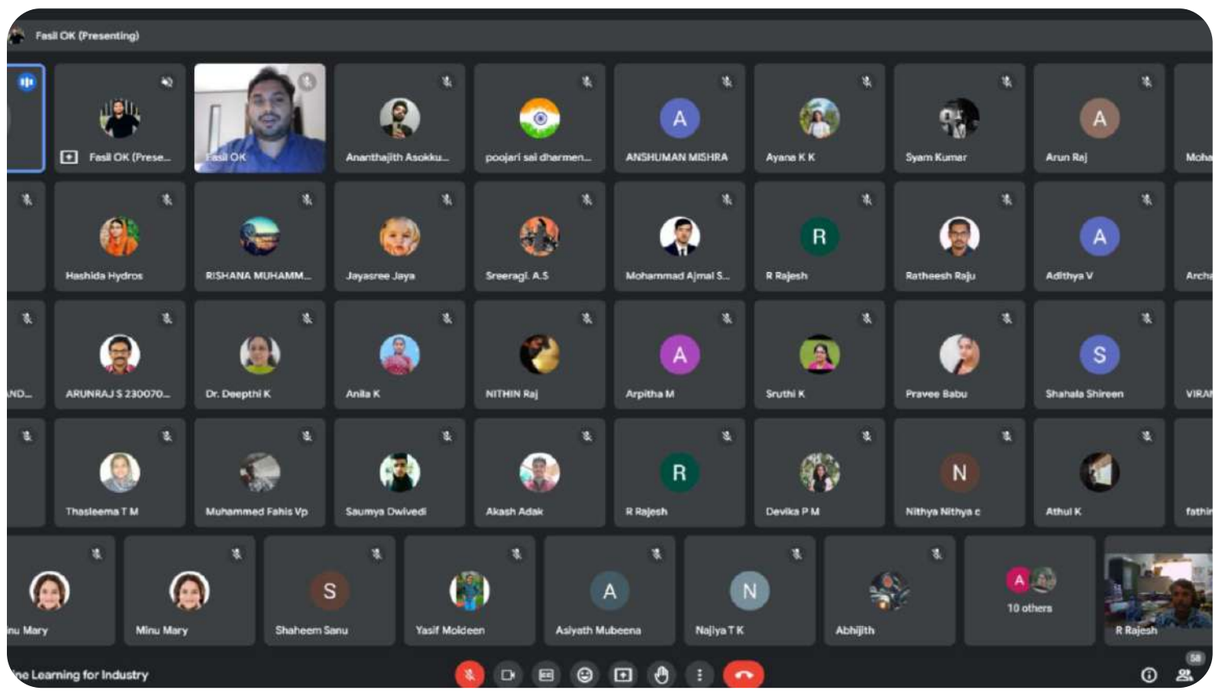
Foldscope workshop

IEEE SB NSSCE

IEEE SB NSSCE had conducted an foldscope workshop Organized by IEEE EdSoc YP Ad-Hoc,Sponsored by the AP-S Sight project and IEEE Education Society STEM and sponsored by IEEE Antennas and Propagation Society,IEEE Bombay Section,IEEE Pune Section and IEEE SIT Pune.The workshop was mainly focused on HAnds-on Activities and assembly of foldscope,Basic understanding of Microscopy principle and also Fun and Interactive learning session about foldscope.

Machine Learning For Industry'24

IEEE SB CUK



IEEE Student Branch, Central University of Kerala in association with Department of Computer Science, Central University of Kerala organized an industry relation webinar on the topic of "Machine Learning for Industry" in 31st January 2024. Mr. Arun Raj S, IEEE SB Chair, Central University of Kerala, welcomed the gathering. The presidential address was delivered by Dr. Rajesh R, Counselor, IEEE SB. Dr. Fasil O.K Lead AI Engineer, Samsung Electro Mechanics delivered a wonder full speech based on the machine learning for industry. There were 56 participants.

Hackathon

IEEE SB ASET

IEEE Student Branch ASET and IEEE WIE ASET conducted a 24-hour women-only hackathon called "Tink-Her-Hack" in collaboration with Tinker Hub Foundation on 9th and 10th March 2024. The event aimed to develop problem-solving, innovation, skill-building, collaboration, community building, and creating solutions with real-world impact. The hackathon was successful in empowering women to address real-world challenges while breaking gender barriers in the tech industry. The event encouraged networking, mentorship, and personal growth. The hackathon incurred expenses of Rs 4180, and a total of 13 participants attended the event

Pragya 4.0

IEEE SB SIMAT

IEEE SB SIMAT has conducted PRAGYA 4.0 on 9th December 2023. The event was exclusive to all first-year students. The session's speaker was Harsha PK, Joint Secretary of IEEE SB MEA. The students engaged in every session and game with great enthusiasm. This thoroughly planned programme aims to provide attendees with knowledge, skills, and networking opportunities, thereby developing a stronger, more dynamic leadership framework inside them.

Hack The Goals

IEEE SB SIMAT

WIE AG IEEE SB SIMAT has held a 24-hour hackathon centred on six sustainable development goals. It was a two-day event held on June 24th and 25th. The event was held offline, and students from several colleges contributed significantly to its success. The delegates participated actively without any fail and volunteers gave support to them for completing their project. The panel members who appeared for the project presentation was Mr. Karthik K, Mr.Rishikesh Uday Shankar & Mr. Sahil Sameer. After the presentation the winners were announced in the closing ceremony. After the prizes were distributed , the 24 hour hackathon “HACK THE GOALS” ended successfully. In general, the occasion acted as a spark for information sharing, skill development, and community formation inside the IEEE network.

without

Student Branch OPPORTUNITIES

EPICS in IEEE Fall Call for Proposals

Deadline for Final Report: 15 October 2024

EPICS in IEEE has announced the fall call for proposals, focusing on innovative applications of artificial intelligence and autonomous systems. Teams are encouraged to explore machine learning, robotics, drone technologies, and other AI-driven innovations in industries such as healthcare, agriculture, education, and environmental improvements. Projects should be completed in 1 year or less and must involve IEEE members. Selected proposals will receive up to $10,000 USD, along with mentorship and resources. Teams are also encouraged to partner with local IEEE sections, chapters, affinity groups, and student branches to create impactful solutions for societal benefit. Submit your proposals and make a difference!

Link: IAS Call for Proposals - EPICS in IEEE

Call for Project Proposals: IEEE Signal Processing Society and Tech4Good

Deadline for Final Report: 25 October 2024

IEEE Tech4Good (T4G), an IEEE Humanitarian Technologies program, offers funding opportunities to support grassroots technological projects, led by IEEE members, that address pressing social and environmental challenges. IEEE Signal Processing Society and T4G are partnering to conduct a call for proposals for SPS members to specifically utilize signal processing technologies to propose solutions to these local community challenges. Awards from US$1,000 to US$3,000 will be made to selected proposals that present a convincing plan to deploy a signal processing solution that meets a current need of a local community or organization over the course of six months. Applicants must submit an initial letter of intent by 25 August.

Link: HTB Website

SB Events

IEEE YESS 2024

The much-anticipated Yearly Engineering Students Summit (YESS) is just around the corner, and we want Student branches to be a part of it. This is your chance to contribute to the largest and most engaging IEEE event of the year by submitting your innovative ideas for events or initiatives that align with the exciting tracks at YESS 2024. Don't miss out on this incredible opportunity to make a lasting impression. Submit your ideas now and be part of something extraordinary!

Deadline: **10 August 2024**
Link: bit.ly/callforevents

Student OPPORTUNITIES

IEEE Circuits and Systems Society Student Travel Grants

The IEEE Circuits and Systems Society announced the availability of Student Travel Grants aimed at providing financial assistance to IEEE CASS Student Members, including Graduate Student Members, to facilitate their presentation of research work at CASS flagship conferences. Each student is eligible to receive a maximum of $1,500, with a total grant pool of $20,000 distributed across various regions. Any remaining funds from individual regions may be reallocated based on recommendations from the VP RAM and subject to approval from the President. These grants are made possible through funding from the IEEE CAS Endowment Fund, facilitated via the CAS Award Fund in the IEEE Foundation. Eligibility for these grants requires students to have had their papers selected for presentation at the conference they intend to attend or have already attended, with confirmation of IEEE CASS membership and student status provided by a faculty member. The awards are granted based on financial need and can cover expenses incurred up to one year before or after the application deadline. A faculty member must confirm that the nominee is an undergraduate or graduate student and that he/she is an IEEE CASS member.

IEEE Electron Devices Society Early Career Award

IEEE Electron Devices Society presents the EDS Early Career Award annually to recognize and support early career technical development in the field of interest of the society. The award, established to honor IEEE EDS members who have received their first professional degree (Bachelor's) within the past ten years, acknowledges contributions made to the field. Self-nomination is not permitted; nominees must be endorsed by an IEEE EDS member, with two endorsers required. Previous award winners are ineligible for nomination. The award includes a plaque and a check for US$1,000, presented at the EDS Awards Dinner. For application details, please visit the IEEE EDS website.

IEEE WIE International Scholarship

The IEEE WIE International Scholarship, awarded annually, is open to female IEEE WIE Student Members who are full-time undergraduate students with at least two years of study completed in an accredited engineering program. Applicants may apply multiple times but can only receive the scholarship once. Selection is based on a two-part essay (1,000 words on why the applicant pursues engineering and 500 words on why she deserves the scholarship), evidence of a minimum 3.7 GPA (or equivalent), and two letters of recommendation—one academic and one personal. The scholarship recipient(s) are recommended by the IEEE WIE Outreach Subcommittee and approved by the IEEE WIE Committee. The award consists of a one-time check for US$2,500 per recipient.

IEEE PELS Graduate Studies Scholarship and IEEE PELS Jan Abraham "Braham" Ferreira Scholarship

The IEEE Power Electronics Society offers scholarships to promote and support eligible students with a bachelor's degree or equivalent who are pursuing higher-level graduate degrees within the society's fields of interest. One of these scholarships, the IEEE PELS Jan Abraham "Braham" Ferreira Scholarship, named after the late Professor Jan Abraham "Braham" Ferreira, a past president of PELS, is reserved for the highest-ranked winner from a traditionally underserved country or region. This scholarship aims to provide opportunities to those less able to manage the financial expenses of foreign study. Funded by the IEEE Power Electronics Society and the Future Workforce Fund of the IEEE Foundation, the scholarship offers multiple awards (up to 7) of $5,000 each, along with certificates. Additionally, recipients are reimbursed $1,000 towards necessary conference registration, travel, and accommodation costs incurred to attend the award ceremony. They also receive complimentary IEEE and PELS membership for the following year. Eligible applicants must be members, Graduate Student Members, or Student Members of both IEEE and PELS, pursuing higher-level graduate degrees such as Masters or PhDs within PELS fields of interest. They should plan a stay of six to twelve months at a host institution in a foreign country and continue their studies at their home university with the same faculty advisor for twelve months after receiving the scholarship.

IEEE Aerospace and Electronic Systems Society Engineering Scholarship

The scholarship, sponsored by the IEEE Aerospace and Electronic Systems Society, recognizes students pursuing studies in Electrical Engineering at the undergraduate level and systems engineering at the graduate level. Eligible applicants must be IEEE student members studying electrical/electronic engineering at the undergraduate level or pursuing their first professional degree, as well as systems engineering at the graduate level, at an accredited university. They should have no other scholarships and a cumulative GPA of 2.8 (or 7.5 in select countries) or above. For graduate students, there is a single annual award of $10,000 and a certificate, while for undergraduate students, there are two annual awards of $10,000 each along with certificates. Funds are disbursed directly to the school on behalf of the student. To apply, students can follow the instructions provided on the Engineering Scholarship Application.

a taste

IEEE Power & Energy Society Outstanding Student Scholarship

The IEEE Power & Energy Society (PES) recognizes PES Student Members worldwide who have committed to an academic path in electric power and energy engineering careers. Recipients are selected based on their academic achievements, contributions to community and humanitarian needs, and leadership in enhancing student engagement within PES. Eligible candidates must be IEEE PES Student Members in good standing, pursuing a full-time Master of Science degree in Electrical Engineering (MSEE)/Master of Engineering (M.Eng) or an equivalent focus in electrical power engineering, excluding PhD candidates. Applicants must attend a university or college with an active IEEE Student Branch offering a substantial educational program in electrical power engineering and demonstrate commitment to working in the power and energy engineering field. The award, presented annually, offers each recipient (up to twenty) a plaque and a prize amount of US$10,000, distributed directly to the student. Additionally, recipients are granted complimentary housing and conference registration if they attend their corresponding PES Regional meeting.

Electron Devices Society Undergraduate Student Scholarship

The IEEE Electron Devices Society (EDS) offers one-year fellowships annually to promote, recognize, and support undergraduate-level study and hands-on experience within the society's field of interest. Eligible candidates must be IEEE EDS student members at the time of nomination, enrolled full-time in an engineering program at an accredited academic institution, and have completed at least one undergraduate course on microelectronic devices or fabrication processes with a minimum passing grade of B or equivalent. The fellowship, sponsored by the IEEE Electron Devices Society, provides a prize of US$1,000 and a plaque to the winning student, to be presented by the Dean or Department head of the student's resident institution.

Submit the cracked code in the Google form provided below :

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