



INFINIA

# INSPIRA

THE IEEE SAHRDAYA SB  
MAGAZINE

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2024



# IEEE at a Glance

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. For over a century, IEEE has sponsored various programs to honor achievements in education, industry, research, and service, celebrating distinguished colleagues, teachers, and corporate leaders who have made a lasting impact on humanity, technology, and the profession. There are over 460,000 IEEE members in over 190 countries, more than 66 percent of whom are from outside the United States. IEEE members are engineers, scientists, and allied professionals whose technical interests are rooted in electrical and computer sciences, engineering, and related disciplines. As the world's largest technical professional organization, IEEE offers a number of ways to get involved with technical and local communities. These communities are active participants in research and authorship, conferences, and important conversations about today's most relevant technical topics locally and globally.

With 39 technical Societies, ten geographic Regions that host over 10,000 local meetings annually, several affinity and special interest groups, humanitarian opportunities, and virtual communities and private groups through IEEE Collabratec®, IEEE offers ample opportunity to network and grow professionally through communities.

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## MESSAGE FROM EXE. DIRECTOR



It gives me immense pleasure to note that our IEEE student branch is publishing an e-magazine with a one - year activity report. I would like to take this chance to congratulate the leadership team, the editorial team, and all the contributors for their commendable efforts in making this e-magazine a reality.

In today's digital era, it is crucial that we must adapt, innovate, and spread out to more people. The initiative taken by the student branch to record and disseminate their activities through an e-magazine really reflects their creativeness and commitment to connect efficiently with the society. This publication is not just a collection of activities; it is a dynamic representation of teamwork, dedication, and professionalism. It is an innovative way to highlight the various ranges of events, programs, achievements, hackathon, workshops, seminars and community service initiatives. Through this digital platform, students have been able to highlight the accomplishments as well as the challenges they faced and how they have resolved them. It acts as an archive for new execom providing them with valuable insights from past experiences. Without a doubt, it may inspire other professional branches and organizations to think creatively to document and share their work. While patting on their back for the venture, I look forward to more and more of similar volumes in future too.

With warm regards,  
Fr (Dr) Anto Chungath  
Executive Director , SCET

## MESSAGE FROM DIRECTOR



It is with immense pleasure that I address the vibrant community of IEEE student members at Sahridaya College of Engineering and Technology. With over 450 enthusiastic members, our IEEE chapter has evolved into not only a platform for technical excellence but also a breeding ground for innovation, collaboration, and leadership within our institute.

In the past year, we are extremely proud to have been honored with the Exemplary Student Branch Award and the Darrel Chong Student Activity Award - Bronze for our flagship event ALTAIR 2.0. These prestigious accolades are a testament to the hard work, dedication, and creativity of our student members, as well as the unwavering support of our faculty with a special mention to Anil Antony the IEEE faculty advisor. Additionally, the outgoing Student Chair, Robin Francis, was recognized with the IEEE R10 Outstanding Student Volunteer Award, further highlighting the exceptional contributions from our team.

This magazine serves as a valuable platform to reflect on our accomplishments while motivating us to set new benchmarks in both academic and extracurricular pursuits. As we continue to grow and evolve, we remain committed to pushing boundaries, driving innovation, and contributing meaningfully to the global IEEE community.

I would like to congratulate Ms. Angena Jaison, IEEE Student Editor, and her team for their remarkable efforts in bringing out this issue of the magazine.

Let's continue to inspire one another and make a lasting impact!

With warm regards,  
Dr. Leon Ittiachen  
Director , SCET  
Senior Member IEEE

## MESSAGE FROM PRINCIPAL



Dear IEEE Members,

I sincerely appreciate the outstanding work of the IEEE Sahridaya Student Branch. This vibrant team has consistently demonstrated a remarkable commitment to innovation, teamwork, and professional development. Their dedication has not only resulted in numerous achievements within the IEEE community but has also created a valuable platform for students to learn, grow, and contribute to the field of engineering. Witnessing the dedication and ingenuity of the IEEE team at Sahridaya has been truly gratifying.

This remarkable group, a vibrant tapestry of diverse minds, exemplifies the power of teamwork. Their journey has been one of relentless effort, building a strong foundation for future success. I am incredibly proud of their achievements, which have garnered recognition from IEEE Region 10 (Asia Pacific), the Kerala Section, and other prestigious platforms.

Beyond accolades, the true measure of their success lies in the impact they have on our students. I am particularly impressed by their proactive approach, their resilience in overcoming challenges, and their unwavering pursuit of excellence. Congratulations to the entire team! I am confident that they will continue to inspire and achieve great things in the years to come.

With warm regards,  
Dr. Nixon Kuruvila  
Principal, SCET

## MESSAGE FROM BRANCH COUNSELLOR, IEEE SAHRDAYA SB



Dear IEEE Members,

It is with immense pride and gratitude that I reflect on the outstanding journey of IEEE Sahrdaya Student Branch in 2024. This year has been a remarkable chapter for us, defined by relentless dedication, innovative initiatives, and a spirit of collaboration.

Our branch has consistently worked towards fostering excellence and creating impactful contributions to the global IEEE community. The acknowledgment of our efforts at both regional and global levels highlights the commitment of our members and leaders. The recognition from IEEE R10 (Asia Pacific), Kerala Section, and international platforms underscores the quality of our initiatives and the influence we aim to make in advancing technology and service to humanity.

One of the most heartening aspects of this year has been the collective teamwork and enthusiasm shown by every member. From organizing world-class events like TechX Infinia to nurturing individual talents like Alba Benny, whose story was celebrated globally, each step reflects the vibrant and inclusive culture we have cultivated.

At the core of these successes lies the unwavering support of our volunteers, such as Mr. Robin Francis, whose leadership and dedication have set a benchmark for us all. Every milestone achieved this year is a testament to the shared vision and relentless efforts of our community.

As we look ahead, let us continue to strive for excellence, innovate fearlessly, and uphold the values that make IEEE Sahrdaya a beacon of inspiration. Thank you for your support, guidance, and encouragement throughout this remarkable journey. Together, we will continue to achieve greater heights.

Warm regards,  
Anil Antony  
IEEE Sahrdaya SB Counsellor

## MESSAGE FROM CHAIRMAN, IEEE SAHRDAYA SB



As Chairperson of the IEEE Sahrdaya Student Branch, I am honored to extend my deepest gratitude to all our members, volunteers, and supporters who have contributed to our journey of innovation and excellence.

The success we have achieved together is a testament to the dedication, hard work, and collaboration within our IEEE family. Through transformative events, impactful workshops, and initiatives like TechX Infinia, we have empowered students to explore the limitless potential of technology and engineering.

IEEE has been a beacon of inspiration for us all, fostering professional growth, innovation, and global connections. It has provided a platform for learning, leadership, and problem-solving that transcends the boundaries of academia, preparing us to meet the challenges of an ever-evolving world.

I am especially grateful to our Executive Committee, volunteers, and mentors, whose tireless efforts have helped us make an indelible mark within the IEEE community. Let us continue to build on this foundation, embracing opportunities to innovate, inspire, and impact lives through technology.

Together, we have created something extraordinary, and I am confident that our passion and perseverance will lead us to even greater heights in the years ahead.

With warm regards,  
Robin Francis  
Chairperson, IEEE Sahrdaya Student Branch

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# EDITOR'S NOTE

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**Dear IEEE Family,**

This magazine represents one of the most significant responsibilities and creative experiments I've undertaken during my journey with IEEE Sahrdaya. As what might be my final contribution to this vibrant community, my aim was to create something that would be memorable for everyone—a tribute to every individual who has contributed to IEEE Sahrdaya, in ways both big and small, to the success of our chapter. Whether you've won competitions, volunteered, or simply been a part of our community, this magazine is for you.

My only goal was to create something that wasn't just another professional read, but something engaging, something that would capture your attention and not leave you bored. As I edited each page, I journeyed through the milestones IEEE Sahrdaya has achieved, from AGM to Infinia, and I hope you can sense the same excitement that I felt while putting this together.

I owe a special thanks to Robin Francis for trusting me with this task, to Devika Vidyalaal for being like a big sister and a constant support throughout. A special mention to Brigit Thomas for all the help, to Derick Davies - the Chairperson of the society I served, and to the incredible Media Team IEEE 2024, who captured every big and small moments that brought color to this magazine.

I know some of your faces might not appear as much in these pages, even though you worked tirelessly behind the scenes. Whether it was the technical team, documentation, event arrangements, registrations, posters, media, anchoring or any other behind-the-scenes efforts, your dedication is the foundation of this publication. Without your hard work, this piece of art would not have been possible.

Thank you to everyone who contributed to this journey. This magazine reflects the passion, commitment, and spirit that define IEEE Sahrdaya, and I am incredibly proud to share it with you.

With heartfelt gratitude,  
Angena Jaison  
Editor, IEEE Sahrdaya SB Magazine 2024




**Angena Jaison**


Secretary- Computer Society,  
Magazine Editor,  
IEEE Sahrdaya SB 2024



# FACULTY ADVISORS



**Anil Antony**  
BRANCH COUNSELLOR



**ADARSH S R**  
CONTROL SYSTEM SOCIETY



**DR. MANISHANKAR S**  
COMPUTER SOCIETY



**DR. SUKHILA KRISHNAN**  
NUCLEAR & PLASMA SCIENCE



**DR. AMBILI FRANCIS**  
SIGNAL PROCESSING SOCIETY



**DR. SREETHA E S**  
WOMEN IN ENGINEERING



**VIDYAMOL K**  
CONTROL SYSTEMS SOCIETY



**JAYAKRISHNAN S**  
ENGINEERING IN MEDICINE &  
BIOLOGY SOCIETY



**SONY S**  
ENGINEERING IN MEDICINE &  
BIOLOGY SOCIETY



**DR. SREERAJ R**  
ROBOTICS & AUTOMATION SOCIETY



**SIJI THOMAS**  
EDUCATION SOCIETY



# Core Team 2024



Robin Francis  
CHAIRPERSON



Aisha Mohammed Shafeek  
VICE CHAIR



Devika T V  
SECRETARY



Rahul A B  
LINK REPRESENTATIVE



Flemin Xavier  
TREASURER



Joel Jaison  
WEB MASTER



Ginu Mariya George  
MEMBERSHIP  
DEVELOPMENT



Vivek K J  
TECHNICAL  
COORDINATOR



Abhika Paul  
QUALITY ASSURANCE  
COORDINATOR

# Computer Society



Derick Davies  
CHAIRPERSON



Vishnu Gopal  
VICE CHAIR



Angena Jaison  
SECRETARY

# Engineering in Medicine & Biology Society



Abhirami S  
CHAIRPERSON



Christin Sunil Varghese  
VICE CHAIR



Athul Krishna A R  
SECRETARY

# Women in Engineering



Krishnapriya K  
CHAIRPERSON



Joshna B Ann  
VICE CHAIR



Sneha Prasanth  
SECRETARY

# Signal Processing Society



Nidhin Biju  
CHAIRPERSON



Siona Sabu  
VICE CHAIR

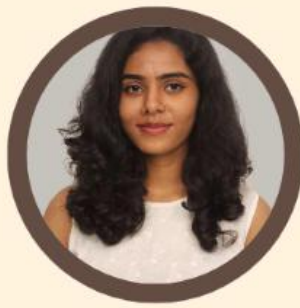


Leya Rose Shaji  
SECRETARY

# Circuit & System Society



Edwin Seejo  
CHAIRPERSON



Teena Alex  
VICE CHAIR



Jeswin Sunny  
SECRETARY

# Education Society



Hridya Suresh  
CHAIRPERSON



Aldrin Sojan P  
VICE CHAIR



Adithya R  
SECRETARY

# Research & Development (SIGHT)



Manuel Siju  
CHAIRPERSON



Leonard K B  
VICE CHAIR



Godwin Jose  
SECRETARY



Leno Simon Ananad  
TREASURER

# Nuclear & Plasma Sciences Society



Brigit Thomas  
CHAIRPERSON



Abel Davis Bobby  
VICE CHAIR



Arnold Kavungal  
SECRETARY

# Industrial Application Society



Abel Jose Menachery  
CHAIRPERSON



Harilakshmi V M  
VICE CHAIR



Celia C B  
SECRETARY

# Industrial Electronics Society



Elsa Mariya Anand  
CHAIRPERSON



Aryadeva B S  
VICE CHAIR



Dreamy K Johnson  
SECRETARY

# Photonics Society



Amala Jigo  
CHAIRPERSON



Anvin P J  
VICE CHAIR



Aleena Mathews  
SECRETARY

# Power & Energy Society



Muhammed Ans  
CHAIRPERSON



Robert Roy  
VICE CHAIR

# Robotics & Automation Society



Neha Rose Joju  
CHAIRPERSON



Sankardas Devadas  
VICE CHAIR



Akshay K Prasad  
SECRETARY

# Control System Society



Benit Joseph Jojo  
CHAIRPERSON



Paul Sadric  
VICE CHAIR

# Content & Documentation



Evlin Jossy  
Kannath



Afreen M H

# Event Coordination



Mahesh M



Nasal Thaneer M  
Noufal

# MEDIA TEAM 2024



Alan T.F



Alan Saj



Shaun Ajoy



Alok Shaji



Krithika Krishna



Pranay Steephen



Kiran T P



Kasinath



# IEEE SAHRDAYA SB ACHIEVEMENTS

Success is not the destination; it's the journey of perseverance and passion. This section celebrates the remarkable achievements of Sahrdaya's brightest minds who have excelled in IEEE events and competitions, showcased leadership through Kerala Section-level volunteering, received prestigious grants, and demonstrated their talent and innovation. May their success continue to inspire us all!





## **OUTSTANDING STUDENT BRANCH AWARD 2024 KOCHI HUB**

IEEE Sahrdaya SB has been honored with the Outstanding SB Award  
2024 - Kochi Hub by the IEEE Kerala Section!

This esteemed recognition stands as a testament to the relentless dedication, passion, and collective efforts of our vibrant community of students, volunteers, and mentors who have consistently worked towards excellence in every initiative we undertake. Huge thanks to each one among us!

We also extend our heartfelt gratitude to the IEEE Kerala Section for the recognition and support along the journey. Here's to greater milestones!



**IEEE REGIONAL EXEMPLARY  
STUDENT BRANCH AWARD 2024**

**DARREL CHONG STUDENT ACTIVITY  
AWARD 2024 -BRONZE**

**IEEE COMPUTER SOCIETY  
KERALA SECTION  
ELEVER 4.0 SECOND PRIZE**



## **BEST EVENT AWARD 2024 KERALA SECTION FOR TECHX INFINIA**

IEEE Sahrdaya SB has been honored with the Best Event Award 2024  
- for Techx Infinia by the IEEE Kerala Section!

This esteemed recognition stands as a testament to the relentless dedication, passion, and collective efforts of our vibrant community of students, volunteers, and mentors who have consistently worked towards excellence in every initiative we undertake. Huge thanks to each one among us!

We also extend our heartfelt gratitude to the IEEE Kerala Section for the recognition and support along the journey. Here's to greater milestones!

*Recognising Excellence*

**R10 OUTSTANDING VOLUNTEER**



**ROBIN FRANCIS**

Congratulations on receiving the prestigious  
IEEE R10 Outstanding Volunteer Award!

Your hard work, dedication, and positive attitude have truly made a difference. Thank you for going above and beyond every day. We're proud to have you on our team and look forward to seeing your continued success!

# Recognising Excellence

**A Distinguished Milestone in Professional Excellence**



**Mr. Anil Antony**

BRANCH COUNSELLOR,  
IEEE SAHRDAYA SB



**Dr. Sreeraj R**

FACULTY ADVISOR,  
ROBOTICS & AUTOMATION SOCIETY



**Dr. G R Gnana King**

**CONGRATULATIONS ON BEING ELEVATED TO  
SENIOR MEMBER IN IEEE**

# Recognising Excellence

## Student Leadership & Representation



**ROBIN FRANCIS**

IEEE R10 OUTSTANDING VOLUNTEER'24  
IEEE CS SOCIETY KERALA SECTION OUTSTANDING STUDENT VOLUNTEER'23(SPECIAL MENTION)  
IEEE INDIA COUNCIL - STUDENT COORDINATION TEAM (OUTREACH,PARTNERSHIPS,INDUSTRY & EXTERNAL RELATIONS)  
IEEE CS SOCIETY KERALA SECTION HUB STUDENT REPRESENTATIVE  
IEEE XTREME 18.0, PES DAY, EDUCATION WEEK AMBASSADOR



**DERICK DAVIES**

IEEE YESS'24 VOLUNTEER  
IEEE LINK DISTRICT COORDINATOR,  
KOCHI HUB



**AFREEN M H**

CONTENT TEAM VOLUNTEER  
IEEE CS KERALA CHAPTER



**BRIGIT THOMAS**

DESIGN VOLUNTEER  
IEEE CS KERALA CHAPTER



**NIDHIN BIJU**

EPICS/HAC COORDINATOR,  
IEEE SIGHT KERALA CHAPTER



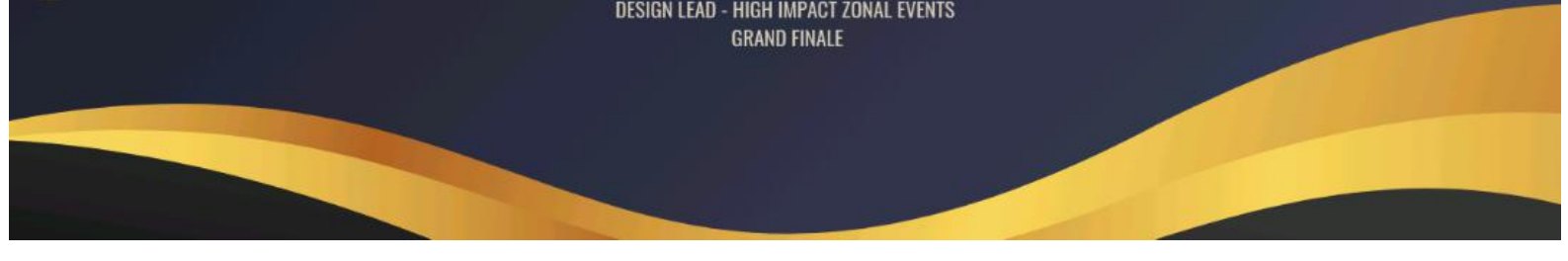
**VISHNU GOPAL**

DESIGN VOLUNTEER - MICRO MENTORING  
INITIATIVE IEEE CS SYP,  
DESIGN INTERN IEEE EDSOC KERALA CHAPTER,  
DESIGN LEAD - HIGH IMPACT ZONAL EVENTS  
GRAND FINALE



**BENIT JOSEPH JOJO**

IEEE PES DAY AMBASSADOR



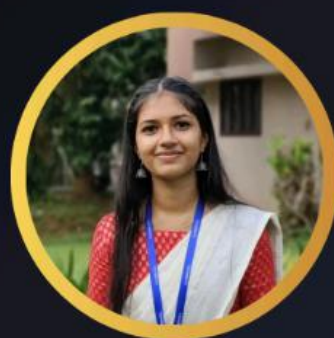


# Recognising Excellence

## Student Leadership & Representation



**ABHIRAMI S**  
SBC REPRESENTATIVE  
IEEE EMBS KERALA CHAPTER



**ADITHYA R**  
CONTENT TEAM VOLUNTEER  
IEEE EMBS KERALA CHAPTER



**TEENA ALEX**  
INDUSTRY COORDINATION TEAM,  
IEEE CASS KERALA CHAPTER



**LEO LAWRENCE**  
MEMBERSHIP DEVELOPMENT COORDINATOR,  
IEEE EMBS KERALA CHAPTER



**AHALYA DEVI**  
DESIGN VOLUNTEER -WIBE  
IEEE EMBS KERALA CHAPTER



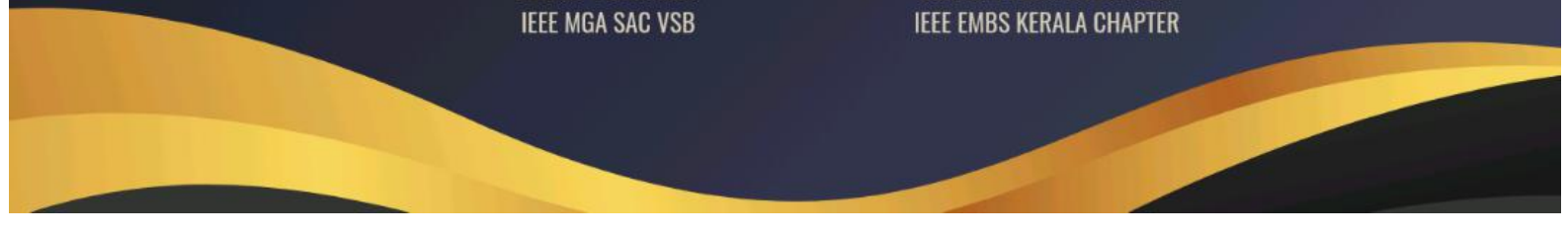
**KRISHNAPRIYA K**  
WOMEN IN ENGINEERING COORDINATOR,  
IEEE EDSOC KERALA CHAPTER



**ANGENA JAISON**  
DESIGN VOLUNTEER  
IEEE MGA SAC VSB



**DIAZ K SHAJAN**  
CONTENT TEAM VOLUNTEER  
IEEE EMBS KERALA CHAPTER



# Recognising Excellence

## Student Leadership & Representation



**AAISHA MOHAMMED SHAFEEK**

SBC WIBE REPRESENTATIVE  
IEEE EMBS KERALA SECTION



**AMALA JIGO**

CONTENT TEAM VOLUNTEER  
IEEE PHOTONICS KERALA CHAPTER



**ALEENA MATHEWS**

TECHNICAL COORDINATOR  
IEEE PHOTONICS KERALA CHAPTER

## Travel Grant Recipients



**KRISHNAPRIYA K**

IEEE IES SYP CONGRESS  
TRAVEL GRANT



**ABEL JOSE MENACHERY**

IEEE IES SYP CONGRESS  
TRAVEL GRANT



**GINU MARIYA GEORGE**

IEEE IES SYP CONGRESS  
TRAVEL GRANT



**VISHNU GOPAL**

IEEE IES SYP CONGRESS  
TRAVEL GRANT



**HRIDYA SURESH**

IEEE IES SYP CONGRESS  
TRAVEL GRANT



**SANKARDAS DEVADAS**

IEEE IES SYP CONGRESS  
TRAVEL GRANT



# Recognising Excellence

## Travel Grant Recipients



**MOHAMED ROSHAN A N**  
EEE IAS SYP CONGRESS  
TRAVEL GRANT



**KAILAS M S**  
EEE IAS SYP CONGRESS  
TRAVEL GRANT



**MIDHUN G KAIMAL**  
IEEE IAS SYP CONGRESS  
TRAVEL GRANT

## Competitive Success



**ALBA BENNY**  
GLOBAL MANGA CONTEST,  
BY IEEE WIE



**ADWAITH JAYASHANKAR**  
ELIS, TRAILBLAZER (IEEE EDSOC),  
EVEVER 4.0 TASK 2



**AFREEN M H**  
EDUSPHERE,  
BY IEEE EDSOC



**ABEL JOSE MENACHERY**  
WIEMERGE TRIALTHON,  
RESUME RUMBLE



**HELENA ROSE**  
RESUME RUMBLE



**SNEHA PRASANTH**  
PROMPT PULSE  
BY IEEE TECHSORTIUM



# Recognising Excellence

## COMPETITIVE SUCCESS



**AARON THOMAS**  
ELEMENTOS BY  
IEEE CS SAHRDAYA



**ALAN SAJ**  
ELEMENTOS BY  
IEEE CS SAHRDAYA



**ABELLASH MATHEW**  
ELEMENTOS BY  
IEEE CS SAHRDAYA



**ANJANA M S**  
ELEVER 4.0 TASK 3  
BY IEEE CS KERALA CHAPTER



**ALDRIN SOJAN P**  
ELEVER 4.0 TASK 3  
BY IEEE CS KERALA CHAPTER



**ALOK SHAJI**  
ELEVER 4.0 TASK 3  
BY IEEE CS KERALA CHAPTER



**ANJANA M M**  
ELEVER 4.0 TASK 3  
BY IEEE CS KERALA CHAPTER



**ANGENA JAISON**  
ELEVER 4.0 TASK 3  
BY IEEE CS KERALA CHAPTER



**JEEVAN MARTIN**  
ELEVER 4.0 TASK 4  
BY IEEE CS KERALA CHAPTER



# Recognising Excellence

## COMPETITIVE SUCCESS



**MANUEL SIJU**  
PROCCOM HACKATHON  
BY IEEE COMSOC KERALA SECTION



**DANIEL PAUL**  
PROCCOM HACKATHON  
BY IEEE COMSOC KERALA SECTION



**JUHANA SHEREN TM**  
WATTS UP,  
POSTER DESIGN COMPETITION



**AARON THOMAS**  
CYBERSECURITY CTF BY  
IEEE WIT KOCHI HUB



**ALAN SAJ**  
CYBERSECURITY CTF BY  
IEEE WIT KOCHI HUB



**ZAHRA FATHIMA**  
CYBERSECURITY CTF BY  
IEEE WIT KOCHI HUB



**FIRST PRIZE WINNERS  
IN GEN AI HACKATHON BY BRAINBRIX**



# IEEE SB EVENTS

2024

475+ IEEE MEMBERS

75 + EVENTS HOSTED

\$ 7500 + FUNDING SECURED IN TOTAL



# ANNUAL GENERAL MEET

IEEE SAHRDAYA SB

IEEE SAHRDAYA SB

## Annual General Meeting

March 5, 2024

Accenture Lab  
Bio Block

**3:15 PM -  
4:15 PM**

www.ieeesahrdaysb.com | #ieeesahrdaysb

IEEE Sahrdaya SB conducted the Annual General Meeting (AGM) 2024 on 5th March 2024 from 03:15 PM to 04:15 PM at Accenture Lab ( Bio Block ). Mr. Robin Francis (Chairperson of IEEE Sahrdaya SB) initiated the event with a warm welcome. Rev. Fr. Dr. Anto Chungath (Executive Director of SCET) addressed the members and honored Dr. R. Sundar (Former Branch Counsellor, IEEE Sahrdaya SB) and Dr. R. Satheesh Kumar (Former Professional Advisor of Computer Society) for their services with a memento. He also appreciated Mr. Robin Francis for receiving the Outstanding Student Volunteer Award 2023 with a memento and welcomed all the faculty members to IEEE by presenting them with certificates as a token of appreciation.



Dr. Nixon Kuruvila (Principal of SCET) spoke about how IEEE Sahrdaya SB promotes innovation and excellence in technology and announced the new Branch Counsellor Mr. Anil Antony to the SB.

Mr. Anil Antony, Dr. Manishankar S, Dr. R Sundar and Dr. R. Satheesh Kumar delivered their inspirational speeches, providing encouragement and motivation to all those present.

Ms. Safa Abdul Salaam (Former IEEE Sahrdaya SB Chair) and Mr. Jeslin Joshy (Former IEEE Sahrdaya SB Vice Chair) delivered their emotional speeches to welcome new execom members, offering guidance and encouragement for their involvement in IEEE. Ms. Aisha Mohammed Shafeek (Vice Chair of IEEE Sahrdaya SB) extended heartfelt gratitude to all attendees for their active participation and contribution towards the success of the event.





Workshop  
**Efficient  
Usage of  
LinkedIn**

10th March 2024

7 pm to 8 pm



<https://bit.ly/QUIZ-B1>

For More Information  
contact:  
Aaisha:



**YASHIN MAJEED AFSAL**  
Mechatronics Student at REVA  
University | Robotics Trainer at  
RoboChamps

MARCH 10 2024

## EFFICIENT USAGE OF LINKEDIN -WORKSHOP

The workshop on "Efficient Usage of LinkedIn" aimed to empower participants with the skills to build a strong professional presence and effectively navigate the digital networking landscape.

## Unlocking Professional Potential: Mastering LinkedIn for Career Growth

IEEE Sahrdaya SB organized an online workshop on EFFICIENT USAGE OF LINKEDIN on 10th March 2024 from 07:00 PM to 08:00 PM through google meet. The session was handled by Mr. Yashin Majeed Afsal, Robotics trainer at RoboChamps and Mechatronics student at REVA university. The workshop began with an introduction speech of Aaisha Mohammed Shafeek (Vice Chair of IEEE Sahrdaya SB). Yashin Majeed Afsal guided participants in creating effective LinkedIn profiles by focusing on catchy headlines, summaries and work experiences. He also elaborated on networking strategies, connecting with industry peers and joining relevant groups. He highlighted the significance of staying updated on LinkedIn. The workshop included a Q&A session where participants had the opportunity to seek clarification on specific aspects of LinkedIn usage. Overall, the workshop was really helpful to participants for improving their LinkedIn profile. The session was concluded at 08:00 PM with a vote of appreciation by Aaisha Mohammed Shafeek.



21 MARCH 2024

# UNLEASH YOUR POWER

LEADERSHIP UNLEASHED: INSIGHTS AND TRAINING BY  
MR. SHONE JOSE, CHAIR OF STUDENT ACTIVITY COMMITTEE,  
IEEE KERALA SECTION

21 MARCH  
2024

# PATH TO INTERNATIONALISATION

## PATH TO INTERNATIONALISATION



OUR SPEAKER:

**MR. SHONE JOSE**  
(CHAIR OF STUDENTS ACTIVITY  
COMMITTEE, IEEE KERALA SECTION)

DATE : 21 MARCH 2024

... 2024 ...



Exploring Global  
Horizons with  
IEEE

IEEE SAHRDAYA SB organised 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 internationalisation, 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 endeavours. Q and A session allowed participants to engage throughout the session, seeking clarification on various aspects of Internationalisation 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.



**Execom Members with SAC, IEEE Kerala Section**



IEEE SAHRDAYA SB conducted execom training **UNLEASH YOUR POWER** for all the execom members of IEEE 2024 - 2025 on 21st March 2024 at Accenture lab (Bio Block) from 02:00 PM to 04:00 PM. The session was taken by Mr. Shone Jose, Chair of Student Activity Committee, IEEE Kerala Section. He started the session by talking about why being in IEEE is great and how it can help us personally and professionally.



He emphasized the importance of active involvement in IEEE activities. The speaker provided valuable insights into IEEE funding opportunities, scholarships, awards, the importance of networking and also there were vTools Training session for all the members during the session. Overall the session was very interactive and there were Q & A session in the end. Student's doubts were cleared during the session. We concluded the training with a photo session.



# PYTHON AND MACHINE LEARNING INTERNSHIP

IEEE SAHRDAYA SB in collaboration with REVERTECH IT SOLUTIONS hosted an enriching training and internship program on PYTHON AND MACHINE LEARNING. The program commenced on 22nd March 2024 and spanned 15 days of online training followed by 2 days of offline internship and a project. The program concluded on 13th May 2024. Throughout the training program, the participants gained hands-on experience with different projects. The classes were not only informative, but also engaging, making complex concepts easy to understand for learners of all levels. Mentors worked dedicatedly to support each participant and answer their doubts.

IEEE SAHRDAYA SB RéverTech

Revertech Presents →  
**Internship Alert \*\*\***

Registration Fee  
**1,500/-**

Date:  
**Friday,  
March 22, 2024**

ONWARDS  
15 DAYS ONLINE | 2 DAYS OFFLINE

**BENEFITS:**

- Learn from industry experts
- No prior knowledge required
- Earn KTU activity points
- Boost your Resume

python™

Topics:  
**PYTHON & MACHINE  
LEARNING**

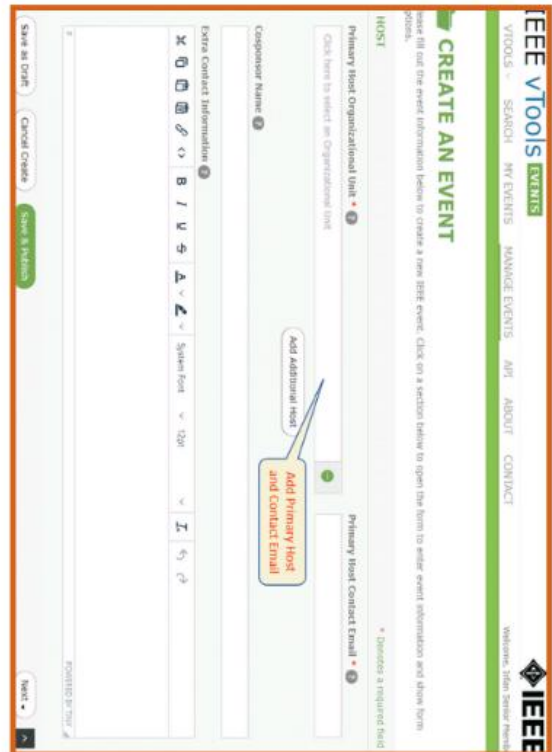
**Register Now at**  
revertechitsolutions.com

\*\*ONE MONTH INTERNSHIP CERTIFICATE IS PROVIDED

Their dedication and unwavering support helped participants feel more confident, comfortable and excited about learning. As a result, the participants not only acquired valuable skills in Python and Machine Learning but also developed a deeper understanding of the subject matter. Overall, the program was highly successful and we received many positive responses about the training and internship program.

# SESSION ON USAGE OF VTOOLS

IEEE Sahrdaya SB organized an online session focusing on the utilization of vTools. The session aimed to educate execom members on the importance of vTools in managing IEEE events effectively. The session was conducted on 10th April 2024, from 08:30 PM to 09:30 PM by Devika T V, Secretary of IEEE Sahrdaya SB through Google Meet. She stressed the importance of keeping vTools updated. Attendees were guided through the process of updating events in vTools. The session facilitated an interactive environment, allowing attendees to ask doubts and queries making the session engaging and informative.



## PROMPT PULSE

IEEE Sahrdaya SB conducted a captivating event titled PROMPT PULSE – PROMPT ENGINEERING COMPETITION as part of the IEEE Kerala Section Students Technical Consortium 2024.

The event took place on 10th May 2024 from 08:00 PM to 09:00 PM and saw enthusiastic participation from students eager to explore their creativity and technical skills. Prompt Pulse was designed to test participants' ability to think innovatively and craft effective prompts for AI tools. During the event, participants were required to use the online AI tool DreamStudio to generate unique ideas based on a set of four given images.

With limited time at their disposal, participants had to think quickly and submit their ideas along with their generated prompts and corresponding screenshots for verification.



The event garnered a remarkable response, with 84 participants showcasing their innovative approaches to prompt engineering. It not only provided an engaging platform to demonstrate technical and creative skills but also encouraged participants to collaborate and learn from one another.

IEEE Kochi Hub | IEEE SAHRDAYA | SAHRDAYA INSTITUTE OF ENGINEERING & TECHNOLOGY AUTONOMOUS | IEEE

## ENHANCER : RESUMÈ

26<sup>th</sup> June 2024  
Microsoft Teams  
8:30 PM- 9:30 PM

**MANU C MADHU**  
HSR Kochi Hub  
IEEE LINK

**ANSHUMAN BIJU**  
Allapuzha District Coordinator  
IEEE LINK

**MRUDUL JOHN MATHEWS**  
Competitions Coordinator  
IEEE LINK

ieeesahridayasb / @ / i / m / g

IEEE SAHRDAYA IEEE

## ECHELON

ITS TEAM TALK TIME

Date: 22<sup>nd</sup> June 2024  
Time: 7:00-8:00PM  
Platform: Google Meet

EXCLUSIVELY FOR EXECOM MEMBERS

### ECHELON: Strategizing Success and Shaping Future Endeavors

## Elevate Your Resume, Empower Your Career

On 26th June 2024, IEEE Sahrdaya SB in collaboration with IEEE Kochi Hub, hosted an event called ENHANCER: RESUME to help people create impressive professional profiles. The session was held from 08:30 PM to 09:30 PM on Microsoft Teams. The speakers were Manu C Madhu from IEEE LINK Kochi Hub, Anshuman Biju, the Allappuzha District Coordinator for IEEE LINK, and Mrudul John Mathews, the Competitions Coordinator for IEEE LINK. They shared tips and strategies to make resumes more attractive and effective. The event was both informative and interactive, giving attendees useful advice on improving their resumes. The speakers stressed the importance of a well-made resume for making a good impression in the job market.

On 22nd June 2024, IEEE Sahrdaya SB conducted an engaging and purposeful online Execom meeting titled "ECHELON" from 07:00 PM to 08:00 PM via Google Meet. The primary objective of the meeting was to strategize and plan the upcoming flagship events while reflecting on the successes and learnings from previous activities. The session brought together the Execom team in a collaborative environment where ideas were exchanged freely, fostering a spirit of innovation and continuous improvement. The meeting commenced with a detailed review of past events, focusing on their impact and areas that could be enhanced for future endeavors. Members actively participated in brainstorming sessions, presenting fresh ideas for upcoming events and discussing strategies to enhance their execution.

# AmbilyKK/ github\_copilot

"Unlock your potential, one commit at a time on GitHub."



Friday,  
June 28 | 2024



11:30 AM to  
12:30 PM



## Ambily KK

Senior Cloud Solutions Engineer,  
GitHub

CATCH THE WAVE OF AI-  
DRIVEN CODING WITH

# GITHUB COPILOT

TO INTRODUCE PARTICIPANTS  
TO AI-DRIVEN DEVELOPMENT  
TOOLS IN VISUAL STUDIO

IEEE Sahrdaya SB organized an event titled "Discover the Future with GitHub Copilot" on 28th June 2024. The session was conducted online from 11:30 AM to 12:30 PM and featured Ambily KK, a Senior Cloud Solutions Engineer at GitHub, as the speaker.

The event aimed to introduce participants to the powerful AI-driven development tools available in Visual Studio through GitHub Copilot. Ambily KK guided attendees on how to unlock the potential of these tools, enhancing their coding efficiency and creativity. The session provided valuable insights into seamless problem-solving and how to leverage GitHub's latest advancements to elevate participants' portfolios. This engaging and informative event encouraged developers to explore new possibilities in AI-driven coding and improve their technical skills.

# ORIENTATION SESSION

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TO INTRODUCE FIRST YEAR STUDENTS ABOUT IEEE AND ENCOURAGE THEM TO PARTICIPATE IN ITS ACTIVITIES

IEEE Sahrdaya SB conducted an engaging orientation session for first-year students on 3rd September 2024 from 12:45 PM to 4:15 PM at the Multi-Purpose Indoor Stadium. The session aimed to introduce new students to the world of IEEE, its mission, and the opportunities it provides for personal and professional growth. Throughout the event, students were given insights into the benefits of joining IEEE, including access to international collaborations, technical resources, and networking opportunities. The session was interactive, with participants actively engaging in ice-breaking sessions, which made the event lively and informative. Overall, the orientation successfully familiarised students with the value of IEEE and encouraged their participation in future activities.



2024  
EVENTS



4 1 5 + M E M B E R S

# IEEE CS SOCIETY



20+ EVENTS COMPLETED  
\$1615 + FUNDING SECURED

# COMPUTER SOCIETY

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## EVENTS 2024

### AR/VR Workshop

The Computer Society of IEEE Sahrdaya SB organized an AR/VR workshop for third-year computer science students on 12th February 2024 from 10:00 AM to 03:30 PM. The event was led by Mr.Suryadev D, AR/VR Trainer at Kerala ASAP, and Ms.Pyary, Program Coordinator of ASAP. The workshop aimed to provide practical experience in AR/VR technology. Students took part in activities during their workshop. Their enthusiasm made the workshop enjoyable and informative.



### Deep Learning Workshop

The Computer Society of IEEE Sahrdaya SB conducted a deep learning workshop for third year computer science students. The event was led on 13th and 14th of February 2024 from 10:00 AM to 03:30 PM by Arvin Jeostus from IEEE SB GECI TC 2023. The goal of the workshop was to make deep learning easy to understand. Skilled instructor guided students through practical examples and activities. Many students participated eagerly, making it a fun and helpful experience. Overall, it gave students useful skills for their studies and future careers



## Machine Learning Workshop

Computer Society of IEEE Sahrdaya SB conducted a machine learning workshop for third-year computer science students on 13th and 14th of February 2024 from 10:00 AM to 03:30 PM. The event was led by Dr. Anju Pratap, Professor, Department of Computer Science and Engineering at Saintgits College of Engineering. Dr. Anju Pratap's knowledge and help made learning better. Mr. Vinay C Mathew and Ms. Pyarylan of Kerala ASAP coordinated with class arrangements and insightful talks. In the end, the workshop gave students important knowledge and skills in machine learning to help them in their studies and careers.



## Robotic Process Automation Workshop

The workshop on Robotic Process Automation (RPA) with UiPath was held on 06th March 2024 at Sahrdaya College of Engineering and Technology. The event featured two distinguished resource persons: Mr. Alen Paul from Novigo Solutions Pvt Ltd and Ms. Merlin Joseph from TCS. The workshop unfolded in two distinct phases: In Morning section, Ms. Merlin Joseph took the lead in delivering a comprehensive talk on UiPath and the broader relevance of automation in society. The afternoon session transitioned into a hands-on workshop on automation using UiPath Studio.





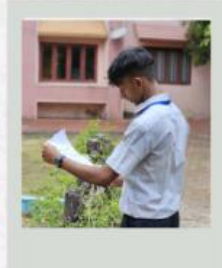
## Technical Talk Session

The Department of Computer Science and Engineering, in collaboration with the IEEE Computer Society, organized a technical talk session focusing on the impact of OpenAI on businesses and job opportunities. The esteemed resource person for the event was Mr. Lijo George, who is currently serving as the India Enterprise Sales Head for Data and AI Solutions at Microsoft. The session took place on April 2nd, 2024, commencing at 9:30 a.m., within the Multipurpose indoor stadium.

## ELEMENTOS

### Treasure Hunt cum CTF

On April 3, 2024, the IEEE Computer Society of Sahrdaya SB organized a Treasure Hunt Cum Coding Challenge event at Sahrdaya College of Engineering and Technology. The event unfolded in two phases: Morning Phase: This phase comprised three rounds - Riddles, Puzzles, and Scavenger Hunt. Participants engaged in deciphering clues and solving puzzles while navigating through designated areas. Afternoon Phase: Following the morning phase, 10 teams were selected to advance to Round 4, a coding challenge. Subsequently, 5 teams proceeded to Round 5, a Capture The Flag (CTF). The primary objective of the event was to nurture a coding-centric culture within the student community. The integration of a treasure hunt element aimed to infuse an element of enjoyment into the coding initiative.



# AR/VR Initiatives

## From Introduction to Immersion

The Department of Computer Science and Engineering, in collaboration with TILTEDU and IEEE Computer Society, organised an online information session on Augmented Reality and Virtual Reality on July 22, 2024. Resource persons from TILTEDU provided insights on AR/VR technology and its applications. Event aimed to raise awareness and generate interest in an upcoming AR/VR bootcamp. The Session for S7 students was conducted online on 22nd July, 2024 whereas the session was offline for S3 and S5 students on 8th August 2024. In total, the event had 471 participants.



The Department of Computer Science and Engineering, in association with IEEE Computer Society Sahrdaya SB, conducted a 5-day Bootcamp on 'AR/VR' to enrich the peers on the potential of AR/VR and its application in various industrial domains. The 5-day Technical Bootcamp on Augmented Reality (AR) and Virtual Reality (VR), held from the 5th to 9th of August 2024 at Sahrdaya college of Engineering and Technology, was an immersive experience aimed at equipping participants with practical knowledge and hands-on skills in AR/VR development. The bootcamp featured expert sessions led by Mr. Akhilesh KS and Mr. Ajith Kumar S V from TILTEDU. The event was designed to provide a comprehensive understanding of AR/VR, blending theoretical knowledge with practical application.

# CYBERSECURITY IN IOT

**IEEE COMPUTER SOCIETY** Kerala Chapter

**INFORMATYKA 4.0**

**IEEE**

**TALK SESSION**

**Cyber security in IoT**

speaker  
**Riyaz Ahmed**  
Research Scholar  
School of Electronics  
VIT-AP University

PLATFORM:  
GOOGLE MEET

REGISTER NOW:  
<https://tinyurl.com/Cybersecurity-in-IoT>

21ST JULY

TIME: 10 AM

OPEN TO ALL!

**CCE** **IEEE SB RSET**

The IEEE Computer Society Kerala Chapter, in partnership with the Women in Computing Committees (WICC) of SCET, CEC, GEC, and RSET, successfully hosted a talk on "Exploring the Crucial Role of Cybersecurity in the Internet of Things (IoT)" as part of INFORMATYKA 4.0 on July 21, 2024. The event featured Mr. Riyaz Ahmed, a research scholar from VIT-AP University, who provided critical insights into the vulnerabilities and security challenges of IoT systems. Held virtually on Google Meet, the session attracted students, faculty, and professionals, offering them valuable knowledge on securing IoT networks and devices. The event was well-received, with participants appreciating the relevance and depth of the discussion on this important topic.

The Department of Computer Science and Engineering, in partnership with the IEEE Computer Society, recently hosted a successful 5-day Faculty Development Program focused on Scientific Computing using Python. The program, conducted from July 1st to 5th, 2024, provided faculty members with valuable insights and practical skills in leveraging Python for scientific research and teaching.



## CodeX

### Scientific Computing using Python

#### Speakers



Dr. Sreeraj R.  
Professor,  
Dept of CSE, SCET



Dr. Krishnadas.J  
Associate Professor  
Dept of CSE, SCET



Livya George  
Assistant Professor  
Dept of CSE, SCET

# KNOWLEDGE QUEST



On July 20th, the IEEE Sahrdaya Computer Society launched the first quiz of the GenX series, titled "AI and DSA". This event, part of a series of six quizzes hosted by different society chapters under IEEE Sahrdaya SB, was held at 7:00 PM on the Quizizz platform. The quiz focused on Artificial Intelligence (AI) and Data Structures & Algorithms (DSA), attracting a significant number of IEEE members. Participants competed for points on the GenX leaderboard, contributing to their chances of winning a free ticket to IEEE YESS by the IEEE Kerala Section, along with other prizes.

## CYBERSECURITY CTF

TINKERHUB, in collaboration with IEEE CS KERALA CHAPTER and the WICC of SCET, CCE, GEC, and RSET, successfully hosted the Kickstart Capture The Flag (CTF) competition as a cornerstone of INFORMATYKA 4.0. Held on August 10th, 2024 from 9.00 am to 4.00 pm, at the DB Lab of Sahrdaya College of Engineering & Technology (Autonomous), the event brought together cybersecurity enthusiasts to test their skills and knowledge in a competitive yet supportive environment.



## LATEX TRAINING FOR BME STUDENTS



The Department of Computer Science and Engineering, in collaboration with IEEE Computer Society Sahrdaya, organized a LaTeX training session for the Biomedical Engineering students of Sahrdaya on August 23, 2024. The session, led by Ms. Sonu Bijoy and Ms. Pyari M., aimed to introduce students to the basics of LaTeX and its practical applications in document preparation. The training covered key topics such as an introduction to LaTeX, hands-on document creation, and working with mathematical equations and notations. The event was well-received, equipping students with essential skills for creating professional and academic documents.

## GIT & GITHUB WORKSHOP



*The Department of Computer Science and Engineering, in association with TinkerHub and IEEE Computer Society, conducted a 1-day workshop on Git & GitHub to enrich the students of Computer Science on the potential of Version Control & Open Source Contribution in current industry. The workshop was held on 27th August, 2024, at Sahrdaya College of Engineering and Technology. Aimed at equipping participants with foundational knowledge and practical skills in using Git. The sessions were led by Adwaith Jayashankar, GDG on Campus Sahrdaya, Lead.*

# WEB DEVELOPMENT WORKSHOP

## INTRODUCTION TO **ANGULAR**

The Department of Computer Science and Engineering, in association with IIIC and IEEE Computer Society, conducted a 2-day workshop on Web Development using Angular to enrich the students of Third year Computer Science(CSA,CSB) on the potential of Angular in current industry. The two-day workshop on Web Development Using Angular was held on October 8-9, 2024, at Sahrdaya College of Engineering and Technology. Aimed at equipping participants with foundational knowledge and practical skills in Angular, the workshop provided an immersive experience in building web applications. The sessions were led by industry experts Mr.Isham Mohamed & Mr.Jobel Johny from SOTI INDIA PVT LTD.



— **Zig Ziglar**

*You don't have to be great  
to start, but you have to  
start to be great*

# INTRODUCTION TO *UNITY*

The Department of Computer Science and Engineering, in association with IIC and IEEE Computer Society, conducted a 2-day workshop on Augmented Reality using Unity to enrich the students of Third year Computer Science (CS C) on the potential of Angular in current industry. The two-day workshop was held on October 8-9, 2024, at Sahrdaya College of Engineering and Technology. Aimed at equipping participants with foundational knowledge and practical skills in using Unity, the workshop provided an immersive experience in building AR based applications. The sessions were led by industry experts Mr.Elwin Jose, SOTI INDIA PVT LTD.



# AUGMENTED REALITY WORKSHOP



# AI: LEARN, LEAD & INNOVATE

## ST JOSEPH'S E.M.H.S.S ALLOOR EDUCATIONAL OUTREACH PROGRAM

The Department of Computer Science and Engineering, in collaboration with IEEE CS Sahrdaya, organized an educational outreach program at St. Joseph E.M.H.S.S, Alloor, on August 30, 2024. A team of five students from the seventh semester of Computer Science and Engineering conducted an engaging session on "AI and Its Future" for higher secondary students. The event aimed to introduce the students to the fundamentals of artificial intelligence and explore its future implications. The session was well-received, providing valuable insights into AI's potential and its impact on various fields



## AI WORKSHOP BY BRAINBRIX

The NEC IIT Bombay Cell, in association with Department of Computer Science (ACES), IEEE Computer Society and IEDC Sahrdaya, conducted a 1-day workshop on AI using GenAI Sprint by Brainbrix to enrich the students of Computer Science on the potential of AI in current industry. The workshop was held on October 15, 2024 from 10.00 am to 4.00 pm, at Sahrdaya College of Engineering and Technology. Aimed at equipping participants with foundational knowledge and practical skills in Generative AI, the workshop provided an immersive experience in building applications. The sessions were led by co-founders and experts from Brainbrix team



2024 EVENTS

# IEEE EDSOC

**NO OF  
EVENTS: 5**

**16+  
MEMBERS**

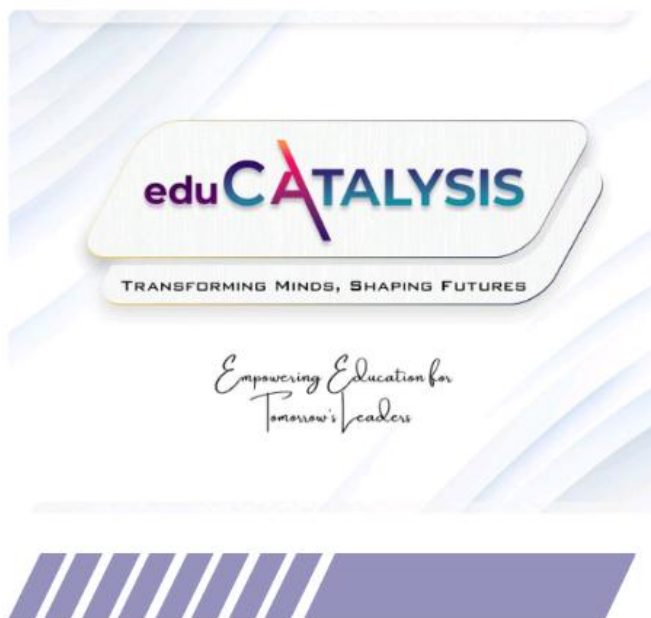


**IEEE**   
**Education Society**

# EDU CATALYSIS

AS A PART OF  
IEEE EDUCATION WEEK

*In a collaborative effort, IEEE Sahrdaya SB and NITC SB joined forces to organize EduCatalysis, a dynamic series of events during Education Week. The program featured InnovatEd, EduSphere, ELI5, and Emerging Trailblazer.*



The banner for the EduSphere Powerpoint Presentation Contest features the IEEE Education Society, IEEE Education Week, and IEEE logos. It includes a 3D illustration of a woman in a white shirt and grey pants pointing at a presentation board. The text reads "EduSphere POWERPOINT PRESENTATION CONTEST" and "TOPIC: Journeying into Tomorrow's EdTech." It also features a QR code for registration, a prize of 500, and a submission deadline of 17th April 2024. Logos for IEEE Sahrdaya SB, eduCATALYSIS, and IEEE SB NITC are at the bottom.

The event was a powerpoint presentation making contest conducted by IEEE Sahrdaya SB in collaboration with NITC SB as a part of education week on 14/04/2024 to 20/04/2024. It was an online event, where the students from across Kerala were able to participate by registering through the Google forms provided. The participants were asked to submit their work in the form of a document to the Google forms provided. It was a great opportunity for students to showcase their skills in creating beautiful PPT's. The contestants were asked to create a presentation on the topic "Journeying into tomorrow's EdTech".

## EDUCATIONAL VIDEO CONTEST

Many of the students among us have immense talent in teaching and can explain hard topics in simplest ways by coming up with different tactics. This was an event conducted in order to find out such talents who have great passion for teaching. The contestants were asked to create a teaching video with some of the topics provided.

The banner for the ELI5: Explain Like I'm 5!!! Educational Video Contest features the IEEE Education Society, IEEE Education Week, and IEEE logos. It includes a 3D illustration of a woman in an orange jumpsuit sitting on a chair. The text reads "ELI5: Explain Like I'm 5!!! Educational Video Contest" and "TOPICS: Artificial Intelligence, Quantum Mechanics." It also features a QR code for registration, a prize of 500, and a submission deadline of 17th April 2024. Logos for IEEE, eduCATALYSIS, and IEEE SB NITC are at the bottom.

# The Idea Pitching Contest : InnovatEd

The event was an idea pitching competition on the topic, “Innovative Solutions for Equal Education”. The participants were asked to submit their work in the form of a document to the Google forms provided. It was a great opportunity for students to showcase their innovative ideas and come up with great creations. The purpose of the event was to make the students think and come up with a solution for equal education

The poster for the InnovatEd Idea Pitching Contest features the IEEE Education Society and IEEE Education Week logos at the top. The main title is 'InnovatEd IDEA PITCHING CONTEST'. A central graphic shows a woman sitting cross-legged with a laptop, a lightbulb above her head, and a gear below. To the left, a yellow box says 'PRIZES WORTH 500'. To the right, a white box says 'TOPIC: INNOVATIVE SOLUTIONS FOR EQUAL EDUCATION.' Below the woman, a QR code is labeled 'REGISTER NOW' and a blue box says 'SUBMISSION DEADLINE 17TH APRIL 2024'. Logos for IEEE SAHRDAYA SE, eduCATALYSIS, and IEEE SB NITC are at the bottom.



## EMERGING TRAILBLAZER AWARD

IEEE Education Society of SAHRDAYA SB organized an event as a part of Education Week, titled “EMERGING TRAILBLAZER AWARD” The event was conducted on 20th April. Based on the performances at these events, 6 participants were shortlisted for the interview. The interview was conducted online mode in Google Meet. It was a formal interview. The winner was offered a cash prize worth 750 rupees. Adwaith Jayasankar from Sahrdaya College of Engineering and Technology, Thrissur won the “Emerging Trailblazer Award”.

The poster for GenX EduQuest Trivia has a dark blue background with a white question mark icon and the text 'GenX EduQuest TRIVIA Explore. Discover. Learn.' Below this, it says 'Get a chance to win exciting prizes'. The topic is 'Evolution of Education', the platform is 'Quizizz', and the time is '22th July, 7pm'.

## GENX- EDUQUEST

The IEEE Education Society of Sahrdaya Student Branch conducted the “EduQuest Trivia” event under the GenX Quiz Series on 22nd July 2024 at 7:00 PM. The quiz was conducted on the topic “The Evolution of Education” and it was attended by 46 participants. The event was held on the Quizziz platform and it was where the participants tested their knowledge if how education has evolved over the years was true or not. They competed for exciting prizes, which included a free ticket to the IEEE Young Engineers Summit (IEEE YESS) by the IEEE Kerala Section, plus some cool goodies.

IEEE  
**Industrial  
Electronics**  
Society



# IEEE IES

**15+ MEMBERS**  
**2+ EVENTS**  
**50\$+ FUNDING SECURED**

# POWERING INNOVATION:

## FROM MECHATRONICS TO NET-ZERO ENERGY SYSTEMS

### TAKEOFF : MECHATRONICS DESIGNING

The event was a thorough exploration of the synthesis of mechanical engineering, electronics, and computing. The presenter discussed various aspects of this interdisciplinary field, emphasizing their importance in robotics, automotive, aerospace, and manufacturing, to name a few. The audience learned about how dynamic it is and how diverse one's potential career opportunities are, from mechatronics engineers and systems integrators to robotics design engineers and specialists. Several personal examples and stories shared by the presenter showcased the potential of this sphere to motivate the audience.



### NET-ZERO ENERGY BUILDINGS: PATH FORWARD

IEEE IAS SBC RSET, IEEE PELS SBC CCE, IEEE IES SBC Sahrdaya, and IEEE PELS SBC KMEA hosted an online talk session on the topic "Resilient and Adaptive Electrical Systems for Net-Zero Energy Buildings," on 09th October as a part of La Guerre 2.0. The event featured an insightful presentation by Mohammed Sajin S, Chartered Engineer and State Council Member of the Institution of Engineers India.

Participant feedback was overwhelmingly positive, highlighting the relevance and clarity of the presentation, and emphasizing the importance of continued discussions on sustainable energy practices.

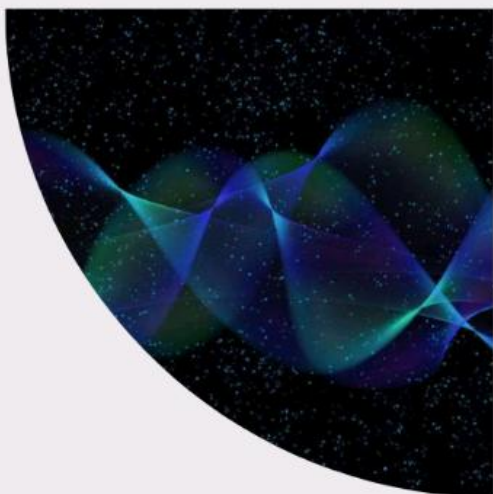
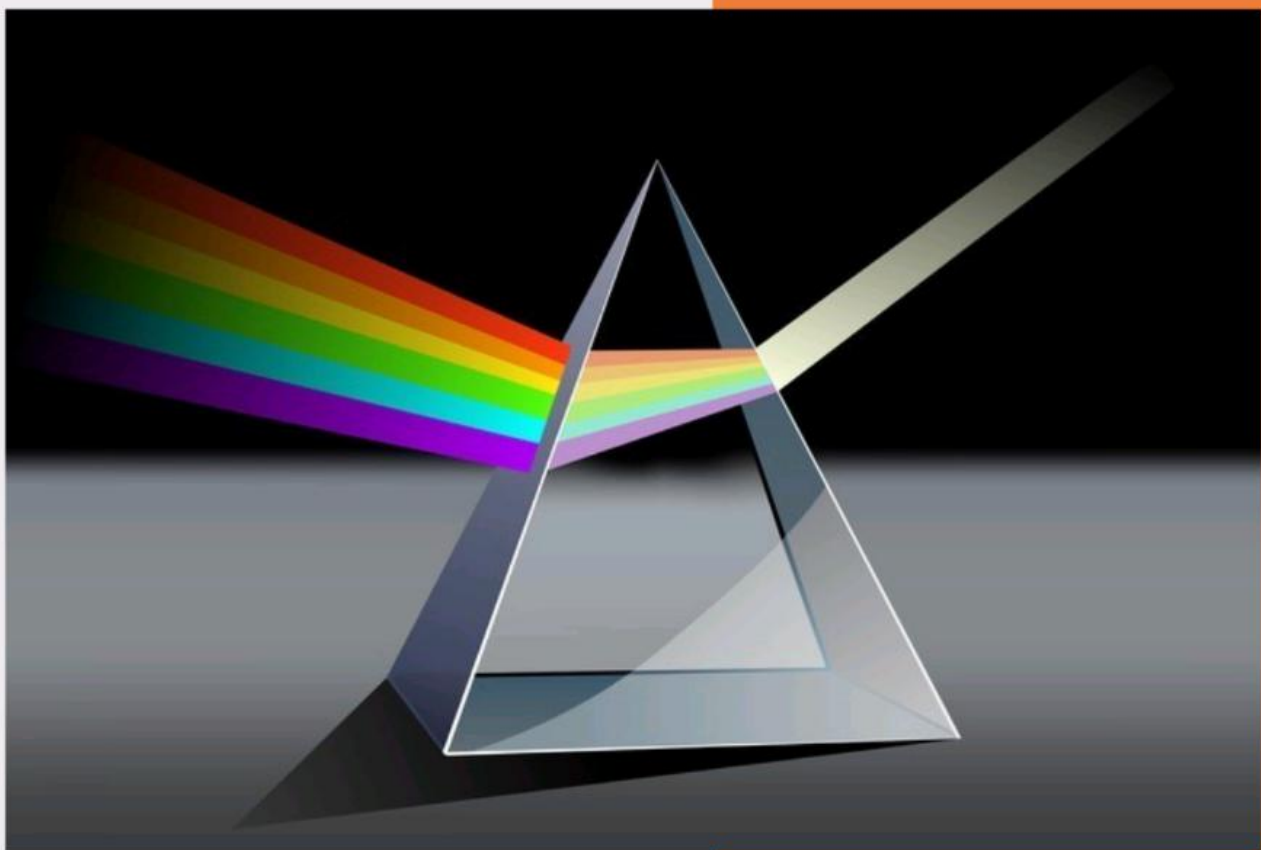
### RESILIENT AND ADAPTIVE ELECTRICAL SYSTEMS FOR NET-ZERO ENERGY BUILDINGS

MOHAMMED SAJIN S  
Chartered Engineer

09/10/2024  
7:00 PM to 08:00 PM  
Google Meet



The speaker discussed the significance of net-zero energy buildings and the role of resilient electrical systems, including smart grids and energy management technologies. The session began with a welcome speech by SAFNA P.H., Chair of IEEE PELS KMEA, and concluded with a vote of thanks by Perveena Riyas, Vice Chair of IEEE PELS KMEA.



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**187+**  
**MEMBERS**

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# EXPLORING THE SPECTRUM: IEEE OPTICS QUIZ 2024

## LIGHT CREDITS

NAME	CREDITS
Abel J M	1
Derick Davis	1
Abhishek	1
Harilakshmi	1
Alok Shaji	1
Manu K B	1
Malavika Unnikrishnan	1
Akash Sudhakaran Nair	1

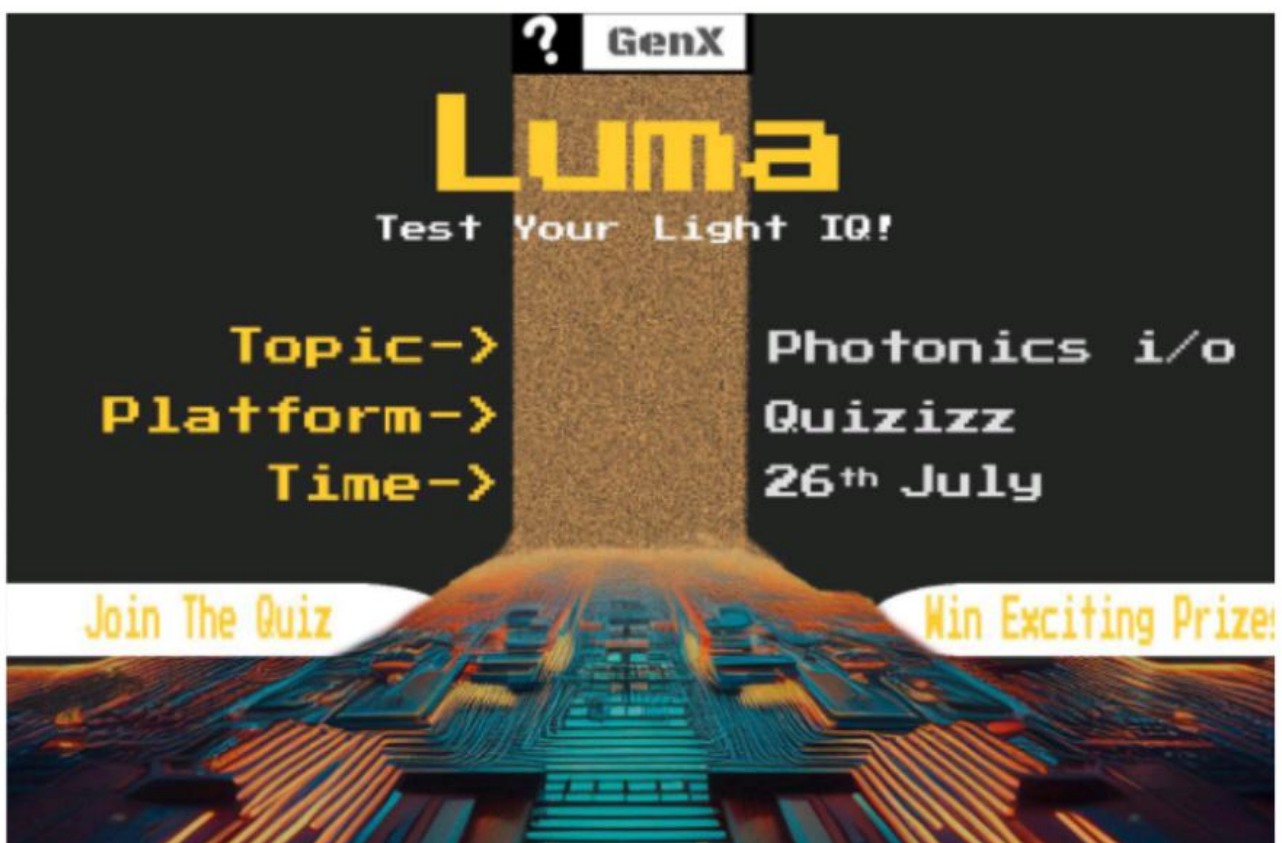
## A Quest to Ignite Interest and Excellence in Optical Sciences

Conducting an optics-related quiz aims to evaluate participants' understanding of key concepts in optics, including the behavior and properties of light, optical instruments, and various optical phenomena

The IEEE Photonics Sahridaya SB organized an Optics Quiz Competition on March 30, 2024, aimed at assessing and enhancing the understanding of optics among undergraduate students. The event took place in online mode and attracted 35 participants from various engineering departments. Objectives - To test participants' knowledge of fundamental optics concepts. - To promote interest in the field of optics. - To encourage application of IEEE standards in academic competitions

# GENX LUMA

## IGNITING PASSION FOR THE SCIENCE OF LIGHT

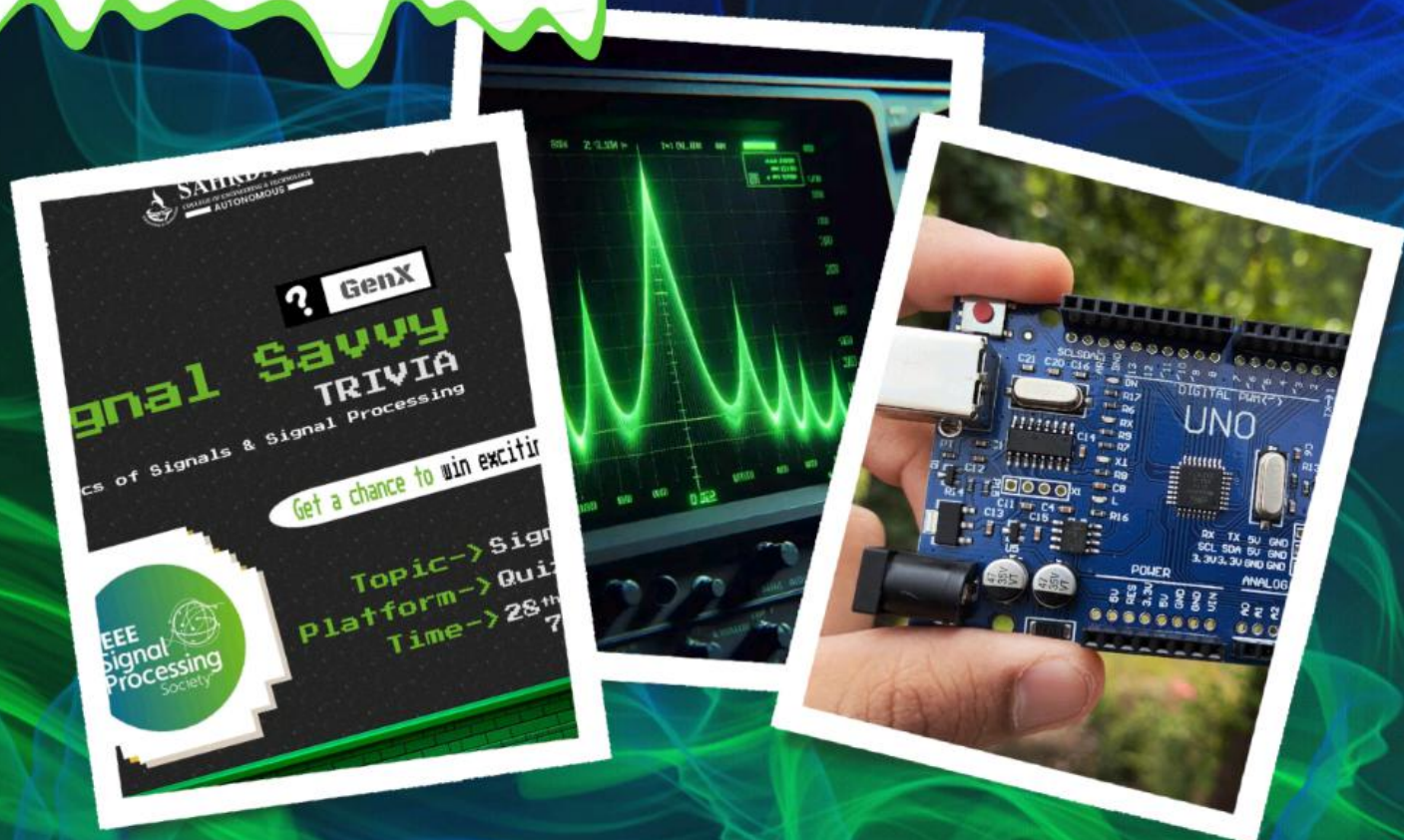


### **Harnessing the Brilliance of Light Science**

IEEE Sahrdaya SB conducted an online quiz named 'LUMA' on Quizizz. It was conducted on 26th July. The event mainly focused on testing the knowledge of students on topics of light.

The topics included optic fibres, quantum and various light theories. Many students attended the quiz and were able to reach a wide range of audience. It gave the students an opportunity to brush off their knowledge that they studied in their lower classes. Winners were selected and were announced through the Photonics Instagram page.

**IEEE**  
**Signal**  
**Processing**  
Society™



# IEEE SPS

**20+ MEMBERS**

**\$696+ FUNDING SECURED**

**? GenX**

# Signal Savvy

## TRIVIA

Basics of Signals & Signal Processing

Get a chance to win exciting prizes

Topic → Signals  
Platform → Quizizz  
Time → 28<sup>th</sup> July  
7pm



# Signal Savvy

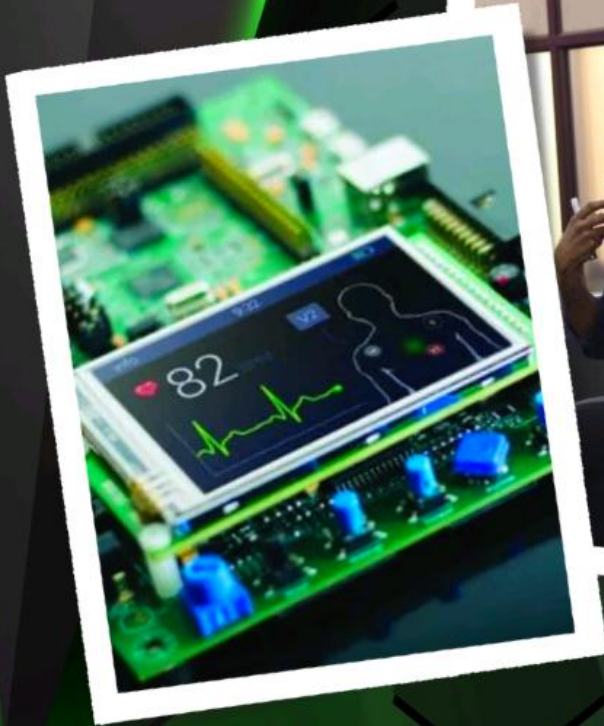
The event not only fostered a spirit of competition but also encouraged collaboration and knowledge-sharing among participants. With its successful conclusion, "Signal Savvy" has set the stage for future events that promote learning, innovation, and community engagement among IEEE members

The "Signal Savvy" event, hosted by IEEE Signal Processing Society Sahrdaya SB, and Sahrdaya College of Engineering and Technology, was a resounding success. Held on July 28th, 2024, the signal processing quiz competition saw nearly 41 participants all vying to test their knowledge and skills in signal processing. The quiz, focused on the "Basics of Signals & Signal Processing", was conducted on the Quizizz platform, allowing participants to compete in real-time. The event provided an opportunity for participants to learn, challenge themselves, and benchmark their understanding of signal processing concepts against their peers. In the end, top performers were recognized and awarded exciting prizes, with a leaderboard tracking the highest scores.



**CAS**

IEEE CIRCUITS AND SYSTEMS SOCIETY



**IEEE CASS**

**232+ MEMBERS**

**2+ EVENTS**



The Grand 100th Day of 100RTL Days challenge held at Sahrdaya College of Engineering and Technology was a collaborative effort organized by the IEEE Circuits and Systems Society Student Branch (IEEE CASS SB) .

RTL coding is vital in chip design as it defines the logical and structural behavior of the chip's components, enabling accurate simulation and synthesis, which are pivotal in ensuring the functionality and performance of complex integrated circuits. It serves as a crucial abstraction layer for efficiently translating high-level designs into silicon reality. A warm welcome address delivered by Dr. Nixon Kuruvila (Principal of Sahrdaya college of engineering and technology).Ms. Vidyamol K. (IEEE CASS Sahrdaya, Faculty Advisor) explained about the event.Fr. Dr. Anto Chungath (Executive Director, SCET) delivered the Presidential Address. Dr. Sreelal S (Scientist G, ISRO) Chair, IEEE CASS Kerala Section delivered Naugural Address and inspired many students.Then Dr. Sreelal S, Book release and Handing over the copy #100RTLDAYS Challenge edition to Fr. Dr. Anto Chungath ( Executive Director, SCET) and Robin Francis (Chairman of IEEE Sahrdaya SB).Felicitations were done by Dr Subrahmanyam Mula (Assistant Professor, IIT Palakkad),Dr. Leon Ittiachen (Director) and Dr. Ambily Francis (HoD, ECE). Certificates were distributed by Dr. Sreelal S, Dr. Subrahmanyam Mula, Fr. Dr. Anto Chungath, Dr. Nixon Kuruvila. Mr. Suryan K. S final student from TKM College of Engineering shared his wonderful experience about the 100RTL days challenge. Vote of thanks were delivered by Dr. Sunder (IEEE Sahrdaya SB, Faculty Advisor ).There is also an interaction section between Dr. Sreelal S, Dr. Subrahmanyam Mula and students.There is also a class section by Dr. Subrahmanyam Mula (Assistant Professor, IIT Palakkad) and the grand challenge is also given by him.This hands-on experience fostered creativity and problem-solving abilities among the attendees.

GRANT 100TH DAY

# #100RTLDays Challenge

Chief Guest

Dr.Sreelal S

Scientist-G, ISRO

Chair - IEEE CASS Kerala Section

Resource Person

Dr.Subrahmanyam Mula

Assistant Professor, IIT Palakkad

FUNDED BY IEEE CASS  
**PCB WORKSHOP  
 USING KICAD**

DATE 21/2/2024

VENUE COMPUTING LAB

EXCLUSIVE FOR 2022-2026 BATCH



Prof. Jagadeesh Kumar P  
 Assistant Professor Model Engineering College



# PCB WORKSHOP USING KICAD

**ON 21 ST FEBRUARY 2024  
 FOR SECOND YEARS , 2022-2026 BATCH**

The PCB Workshop using kicad held at Sahrdaya College of Engineering and Technology was a collaborative effort organized by the IEEE Circuits and Systems Society Student Branch (IEEE CASS SB) and the Department of Electronics and Communication Engineering.

The workshop was led by prof. Jagadeesh Kumar p, Assistant professor model Engineering College, Harish Hari and Aparna M Sunil, BTech 6th Sem EC students, MEC, Thrikkakara . Prof. Jagadeesh Kumar p provided valuable insights and guidance throughout the session. The event aimed to provide a platform for students to gain knowledge and allowing participants to actively engage with KiCad and explore its features. Attendees were guided through the process of schematic capture, component placement, routing, and design validation, enabling them to gain practical experience in PCB design. The workshop also featured interactive sessions where participants had the opportunity to ask questions, seek clarification, and engage in discussions with Prof. Kumar and fellow attendees. These sessions fostered a collaborative learning environment and facilitated knowledge sharing among participants. The workshop concluded with participants gaining a comprehensive understanding of PCB design principles and proficiency in using Kicad for designing PCB layouts. Attendees left the workshop equipped with the skills and confidence to undertake PCB design projects independently. The workshop not only enhanced participants' technical skills but also inspired them to explore new avenues in electronics and hardware design. The CAS Society extends its gratitude to Prof. Jagadeesh Kumar P for his invaluable contribution to the Workshop.





# IEEE PES

The PES is the oldest society of the Institute of Electrical and Electronics Engineers (IEEE) that focuses on the scientific and engineering knowledge of electric power and energy.

11 + MEMBERS

2+ EVENTS

## SPARKFIX

PROBLEM SOLVING COMPETITION

Empowering the world: One charge at a Time.



TOPIC:

**Globalizing EVs:**  
Ensuring Easy Accessibility

Submit your entries

[bit.ly/SparkFix](https://bit.ly/SparkFix)

🕒 24<sup>TH</sup> APRIL, 2024 10:00



# LIGHT UP YOUR LIFE, NOT YOUR BILLS



## MAIN EVENTS OF THE YEAR

### SPARKFIX PROBLEM SOLVING COMPETITION

Empowering the world: One charge at a Time.



TOPIC:  
**Globalizing EVs:**  
Ensuring Easy Accessibility

Submit your entries at:  
[bit.ly/SparkFix](https://bit.ly/SparkFix)

📅 24<sup>TH</sup> APRIL, 2024 10:00PM

### POSTER DESIGN COMPETITION

IEEE SAHRDAYA SB organised a poster designing competition Envision On: Artistic Visions Of Sustainable Transportation on 23rd April 2024 from 09:00 AM to 03:00 PM. This Event was a collaborated event with IEEE GECT SB and IEEE MEC SB. Winners were selected based on originality, composition, and effective communication of the message through visual design.

### »»» SPARKFIX - PROBLEM SOLVING

IEEE PES SAHRDAYA SB organised a Problem Solving competition Named as SPARKFIX on 24th April 2024 from 12:00 AM to 10:00 PM. This Event was a collaborated event with IEEE MEA SBC. The problem-solving competition was a stimulating event that tested participants' ingenuity and analytical skills. Teams were presented with challenging scenarios and had to devise innovative solutions under time constraints. The atmosphere was intense yet collaborative, with participants sharing strategies and exchanging ideas.



\$750+ FUNDING

85 + MEMBERS

2024

4+EVENTS



# IEEE IAS

The IAS's mission is to promote the development, design, manufacturing, and application of safe, sustainable, reliable, and smart electrical systems, equipment, and services.



# EVENTS 2024



**LAUNCH PAD**  
*Membership Development Session*

**Akash G Nair**  
Technical Coordinator  
IEEE IA/IE/PELS JT CHAPTER  
KERALA

**Greeshma V**  
Designer  
IEEE IA/IE/PELS JT CHAPTER  
KERALA

**23<sup>RD</sup> SEPT** **7:30 PM**

## MEMBERSHIP DEVELOPMENT SESSION

The Membership Development Session of the LAUNCHPAD took place on September 23, 2024, between 7:30-8:30 PM Google Meet. Conducted jointly by IEEE IAS SAHRDAYA College of Engineering and Technology, IEEE PELS Government Engineering College Thrissur, IEEE IAS Jyothi Engineering College Cheruthuruthy, and IEEE IA/IE/PELS JT CHAPTER KERALA, it was coordinated by Sreepriya S, Abel Jose AND Alphin Dominic. The event attracted a total of 50 students. Speakers for the session included Akash G Nair, Technical Coordinator of IEEE IA/IE/PELS JT CHAPTER KERALA, and Greeshma V, the designer of the same chapter. Here, they targeted the significance of membership and how to induct new members as well as ways to retain existing members.



**IEEE**

### DESIGN OF ELECTRIC VEHICLE USING MATLAB SIMULINK

**WEDNESDAY**  
25 SEPT 2024

**7:00 PM**  
TO 8:00 PM

**ONLINE**  
GOOGLE MEET

**REGISTER NOW :**

**MR. D. NAVIN SAM**  
ASSISTANT PROFESSOR  
DEPARTMENT OF EEE- JEC

**IEEE SAHRDAYA** **IEEE SB JECC** **IEEE SB JEC**

## DESIGN OF ELECTRIC VEHICLE USING MATLAB SIMULINK

The event titled "Design of Electric Vehicle Using MATLAB Simulink" was conducted on September 25, 2024 from 7:00 PM to 8:00 PM on Gmeet. The event was conducted by the IEEE Power Electronics Society (PELS) at Government Engineering College Thrissur, IEEE Industry Applications Society (IAS) at Jyothi Engineering College Cheruthuruthy, IEEE IAS at SAHRDAYA College of Engineering and Technology and the IEEE IA/IE/PELS Joint Chapter Kerala. The event attracted a total of 56 students. The objective of the meet was to introduce electric vehicle design and simulation to MATLAB Simulink. The presentation was provided by Mr. D. Navin Sam, who is an assistant professor in the Department of EEE at Jyothi Engineering College.

# PowerPack

## Webinar Session

### POWERPACK

A webinar session on Power Industries

#### Our Speakers



Shashank Vyas, PhD  
Consultant- Energy  
Transition  
Infosys Energy & Utilities  
Jaipur



Akshay O R  
Former ECC, IEEE IA/IE/  
PELS Joint Chapter Kerala  
Former SB  
Chair, IEEE SB RIT



Abel J M  
Chair Person, IAS SBC,  
IEEE Sahrdaya SB

Date 18<sup>th</sup> June 2024

8:30-9:30 PM Time



### POWERPACK

#### Quiz Winners



1<sup>st</sup> Prize

Vivek K J  
(S6 CSA)



2<sup>nd</sup> Prize

Kevin Binu  
(S6 BM)



3<sup>rd</sup> Prize

Adithya T R  
(S2 CSA)

On June 18, 2024, the IEEE Industry Application Society (IAS) Sahrdaya SBC hosted the PowerPack webinar, an informative event on the power sector. The webinar began with Hridya Suresh introducing Dr. Shashank Vyas, who discussed smart grids, renewable energy integration, and regulatory frameworks. Following this, Mr. Akshay O R highlighted IEEE membership benefits, while Abel J M shared insights on travel grant opportunities. The event concluded with a quiz competition, engaging participants on industry knowledge. Each session facilitated interactive discussions, enriching attendees' understanding of industry trends and IEEE initiatives, fostering networking and professional growth.

# IEEE CSS

THE CSS FOCUSES ON THE ADVANCEMENT OF  
RESEARCH, DEVELOPMENT, AND PRACTICE IN  
AUTOMATION AND CONTROL SYSTEMS.



IEEE  
Control Systems  
Society™

20  
24

32+ MEMBERS

4+ EVENTS



## TECHNICAL TALK SESSION

IEEE SAHRDAYA SB organized a session called “POWER TRANSFORMER DESIGN, MANUFACTURING, AND TESTING” on 24th march 2024 from 10 am to 12 am at MultiPurpose Indoor Stadium under CONTROL SYSTEM SOCIETY. This fabulous tech talk was lead by Mr. Reji John, Head of Engineering Department of Transformers and Electricals Kerala Ltd. This session was mainly focused on final-year students about the opportunities in the field of electrical and transformers fields. By participating in this section the students were able to understand the basic terminology about power transformers and its designs, mass manufacturing, testing of etc.. the talk also included breakdown how to achieve higher skills in these fields. A Q&A session allowed participants to engage throughout the session, seeking clarification on various aspects about transformers and other topics. Overall, the session was very interactive.

The poster features a background image of a power transmission tower. At the top, it lists logos for National Digital Library of India, IEEE Control Systems Society, IEEE SAHRDAYA, and IEEE SAHRDAYA SB. The main text reads: "TECHNICAL TALK: POWER TRANSFORMER DESIGN, MANUFACTURING AND TESTING". Below this, it specifies the date and time: "DATE: 26/03/2024 (TUESDAY) TIME: 10:00AM - 12:00PM". A circular portrait of Reji John is shown, with his name and title: "REJI JOHN, Head of Engineering Department, Transformers and Electricals Kerala LTD".

The poster has a red and yellow background with a film camera and a clapperboard. It features the IEEE logo and the text: "WIN EXCITING PRIZES", "REEL IT UP! ENGINEERING EDITION", "TOPIC: ENGINEERING TALES", and "DEADLINE: 01/05/2024". At the bottom, it includes the website "ieeesahrdaya.com" and social media handles "@css\_sct".

## REEL IT UP!

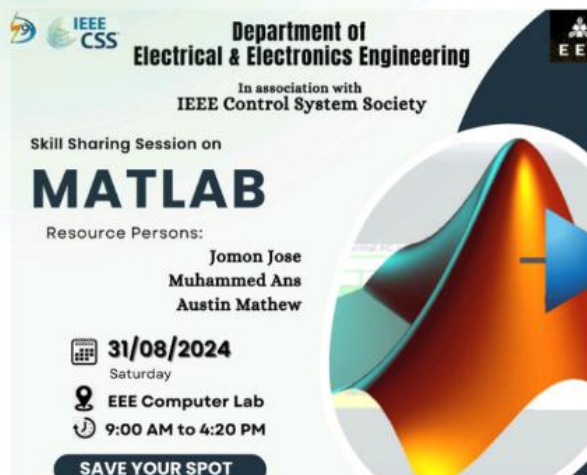
IEEE SAHRDAYA SB organized a competition called “REEL IT UP” by CONTROL SYSTEM SOCIETY. By coming up with media based programs we were able to spark the hidden talent’s in Engineering student’s. This competition was mainly focused on developing the videography and editing of the future generations. By participating in this competition students were able to have a competitive mind since there were prize money for the winners. There were three winners and as always our students performed outstandingly. Their videography and editing was next level and the reels was uploaded in the platform’s like Facebook and Instagram.

# BUILDING FOUNDATIONS: PRACTICAL SKILLS FOR FUTURE INNOVATORS

IEEE SAHRDAYA SB organised a session called “SKILL SHEARING SECTION ON MAT LAB ” on 31th AUGUST 2024 from 9 am to 4:20pm at EEE Computer Lab under CONTROL SYSTEM SOCIETY. This fabulous section was led by PROF. ADARSH SR (professor of EEE department in Sahrdaya College of Engineering and Technology), JOMON JOSE, MUHAMMED ANS & AUSTIN MATHEW. This session was mainly focused on first-year students about the topic ‘MAT LAB’. By participating in this section the students were able to understand the basics of mat lab and how to use it effectively. The students were also able to grasp the basics formulas and how to use formulas in the application and this section will help them in their future project’s. A Q&A session allowed participants to engage throughout the session, seeking clarification on various aspects about MAT LAB and its applications. Overall, the session was very interactive. Students were encouraged to share their thoughts and experiences, making it a lively discussion.

IEEE SAHRDAYA SB organized a session called “SOLDERING PRACTICE AND AURDINO BASICS” on 15th October 2024 from 10 am to 4:20pm at EEE Computer Lab under CONTROL SYSTEM SOCIETY. This fabulous section was led by PROF. ADARSH SR , professor of EEE department in Sahrdaya College of Engineering and Technology. This session was mainly focused on first-year students about the soldering practice and aurdino basics. By participating in this section the students were able to understand the basic terminology about soldering and its working and how to use it properly and safely. The students were also able to grasp the basics of aurdino and how to use it which will help them in their future project’s. A Q&A session allowed participants to engage throughout the session, seeking clarification on various aspects about aurdino and other topics. Overall, the session was very interactive. Students were encouraged to share their thoughts and experiences, making it a lively discussion

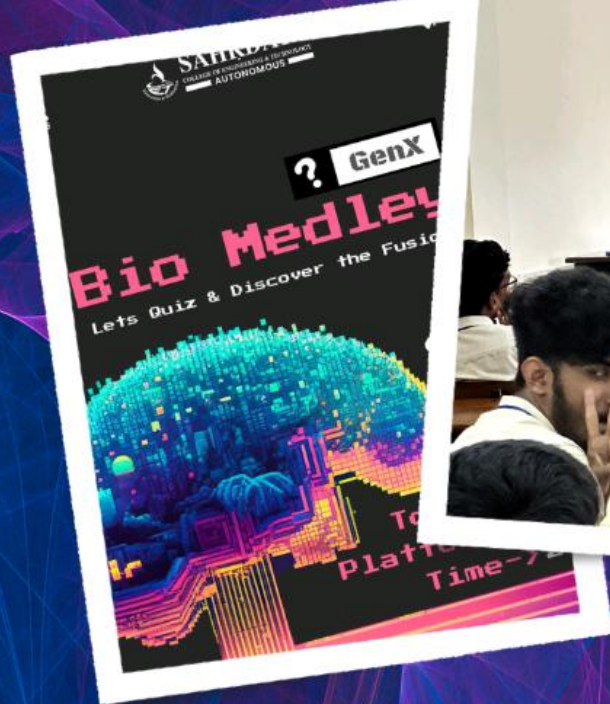
EMPOWERING FIRST-YEAR STUDENTS THROUGH HANDS-ON TECHNICAL LEARNING



IEEE CSS  
Department of Electrical & Electronics Engineering  
In association with IEEE Control System Society  
Skill Sharing Session on  
**MATLAB**  
Resource Persons:  
Jomon Jose  
Muhammed Ans  
Austin Mathew  
31/08/2024  
Saturday  
EEE Computer Lab  
9:00 AM to 4:20 PM  
SAVE YOUR SPOT



SOLDERING PRACTICE AND AURDINO BASICS  
EXCLUSIVELY FOR S1 EEE STUD  
RESOURCE PERSONS  
MUHAMMED ANS AND JOMON JOSE FROM S7 EEE  
15 - OCT - 2024  
DECIMAL BLDG COMPUTER L



# IEEE EMBS

“

11+ MEMBERS

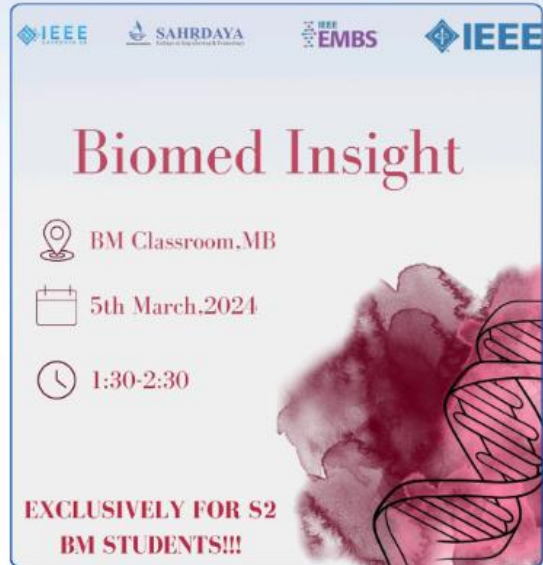
3+ EVENTS

\$1000 FUNDING SECURED

”

# BIOMED INSIGHT

The collaborative session by IEEE EMBS Sahrdaya and the Biomedical Engineering department, titled "Bio-Med Insight," proved highly beneficial for first-year BM students. The hour-long talk provided a comprehensive overview of the biomedical engineering field, covering its various subsections, job opportunities, and scope.



The poster features logos for IEEE, SAHRDAYA, IEEE EMBS, and IEEE at the top. The title "Biomed Insight" is in a large, red, serif font. Below it, three icons (location pin, calendar, and clock) are followed by the text: "BM Classroom, MB", "5th March, 2024", and "1:30-2:30". At the bottom, it says "EXCLUSIVELY FOR S2 BM STUDENTS!!!". On the right side, there is a decorative graphic of a DNA double helix and a pink watercolor splash.

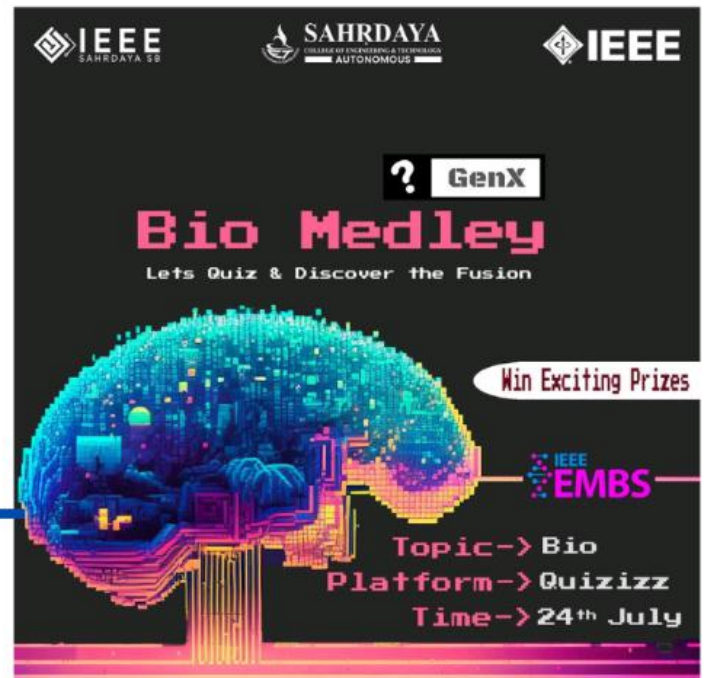


The students exhibited attentive participation throughout the session. A well-executed quiz assessed their understanding, with a prize awarded to the winner. Held from 1:30 to 2:20, the event successfully delivered valuable insights, fostering a positive learning experience for the attendees.

# BRAIN BATTLEGROUND

## GENX – BIO MEDLEY

The IEEE Sahrdaya EMBS Society is hosting a quiz named 'Bio Medley' as part of the GenX series. Topics included both biotechnology and biomedical fields. It was conducted on the online quiz platform 'Quizizz'.



**QUIZ-B**  
SECOND EDITION

Topic: Artificial Intelligence in Bioengineering

PLATFORM: SLIDO  
THURSDAY  
15TH FEBRUARY 2024  
8 P.M.

Register now:  
<https://bit.ly/QUIZ-B1>  
or SCAN THE QR CODE

+91 98461 20409  
+91 81293 99243

## QUIZ – B Ed:2

IEEE EMBS SCET organised an online quiz competition on the topic 'Artificial Intelligence in Bioengineering'. It was conducted on the interactive online quiz platform 'Slido'. All the participants were given an e-certificate for their participation. Three of them who scored the highest were given a special mention.

IEEE Women in Engineering  
*W*  
ie



# WIE AFFINITY GROUP

**161+ MEMBERS**

**5+ EVENTS**

**\$400 FUNDING SECURED**





*Empowering tales from  
remarkable women*

On 6th March 2024, from 9:00 am to 4:00 pm, "RiseHER : Inspiring Spotlight!" event unfolded, hosted by IEEE WIE SAHRDAYA SB in collaboration with IEEE EdSoc Kerala chapter as a one-day initiative with a primary goal of empowering women by Honouring women's achievements and advancing gender equality. The inauguration ceremony began with a heartfelt prayer. Welcome address was delivered by Sneha Prasanth (WIE Secretary), Presidential address by Fr. Dr. Anto Chungath (Executive Director of SCET), Inaugural address by Dr.Nixon Kuruvila (Principal of SCET), Honouring ceremony of women HOD'S Felicitation by Dr.Leon Ittiachen (Director of SCET), Felicitation by Dr.Sudha George Valavi (Joint Director of SCET) and finally concluded the inauguration ceremony by delivering the vote of thanks by Afreen Harees. The event began with a membership development session by Mr.Robin Francis followed by the spotlight event by RJ Paulsy "TAKE IT EASY PAUSLY". It was an engaging as well as an entertaining session where everyone forgot about themselves and had a lot of fun. After the lunch break we had arranged a stage to outcast the talents of women's where different talents of women's were showcased along with an icebreaking session. Then we had an inspirational talk session by our Guest of Honour and Awardee Ms.Gayathri Padmanabhan, a Feminist, traveller, dancer, teacher, artist, home maker and moreover a mother to make our day more meaningful. Through her talk session she had motivated each and every girls to follow their passion as their profession. Finally, we concluded the event by a feedback and photo taking session

## RiseHER





women

## WIE TRIATHLON

The IEEE WIE TRIATHLON was an online event held from April 1 to April 3, 2024. It was a collaboration among three prestigious colleges, RSET, SSET, and SCET, in association with the IEEE WIE Kerala Section. The event was part of the IEEE WIE Week celebrations and aimed to provide a platform for participants to showcase their talents and skills in a series of challenges consisting of different activities designed to test and nurture various skill sets. The three-day event schedule was as follows: On the first day, participants took part in an intellectually challenging quiz focused on current affairs. The second day of the event featured dynamic group discussions. On the final day of the event, participants engaged in an intense stress interview round, where they encountered simulated high-pressure scenarios

WiEmerge IEEE

### TRIATHLON

Day 1(April 1) : Quiz (Current Affairs)  
 Day 2(April 2) : Group Discussion  
 Day 3(April 3) : Stress Interview

Competitions will be conducted through  
 Google Meet platform

Scan the QR code to Register

IEEE SB SSET IEEE SB SSET IEEE SB RSET

## BASICS OF GAME DEVELOPMENT WORKSHOP

On April 4th, 2024, WiEmerge, in collaboration with IEEE WIE Kerala Section, IEEE WIE AG RSET, IEEE WIE AG SSET, and IEEE WIE AG SCET, hosted a captivating workshop, "The Basics of Game Development." The virtual event, conducted via Google Meet at 8:00 PM, aimed to equip aspiring game developers with the fundamental skills and knowledge to bring their imaginative concepts to life. Led by the talented students of SSET, Rishikesh and Anandjith TJ, the workshop offered a hands-on experience that empowered participants to take the first steps in their game development journey. The session delved into essential aspects of game design, programming, and art, providing practical insights and guidance. By the end of the workshop, participants were not only equipped with technical skills but also inspired to explore the limitless possibilities of game development and its career scope.

WiEmerge IEEE

## BASICS OF GAME DEVELOPMENT

4th April | 08 PM

APPLY NOW:

**RISHIKESH**  
S6 CSE, SSET

**ANANDJITH T J**  
S6 CSE, SSET

The event fostered a sense of community among aspiring developers, encouraging knowledge sharing and collaboration. The success of this workshop reaffirms the organization's unwavering commitment to empowering individuals and fostering innovation in the field of technology.



## GENX - STELLAR TRIVIA

The IEEE Sahrdaya WIE Society organised the "Stellar Women in Tech" quiz competition on July 30, 2024, at 7:00 PM via Quizizz, aiming to celebrate the achievements of women in technology and space exploration. The event attracted a diverse group of participants, who engaged in a series of questions covering topics such as pioneering women in tech, female astronauts, historical milestones, and recent innovations. The quiz not only tested participants' knowledge but also raised awareness about the significant contributions of women in these fields



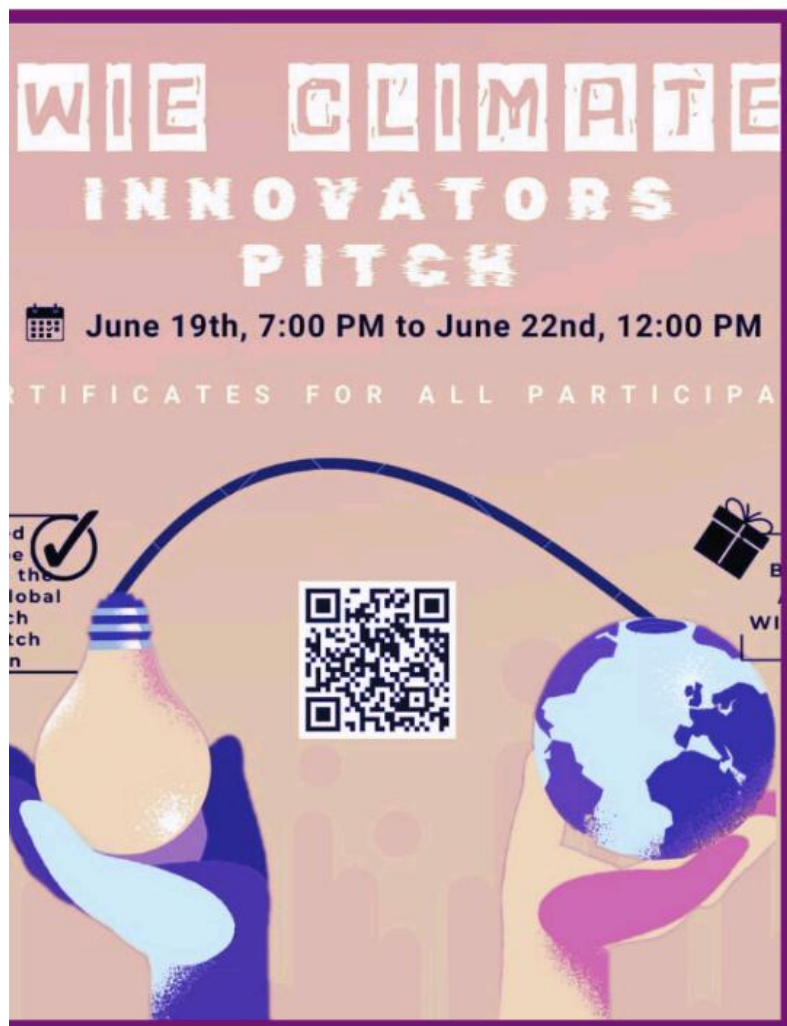
GenX  
**Stellar**  
TRIVIA  
Boundaries, Reaching Stars

Get a chance to win exciting prizes

Topic -> TechSpace  
Platform -> Quizizz  
Time -> 30<sup>th</sup> July  
7pm

The poster features a dark space background with a woman in a white and blue astronaut suit on the right. The text is in white and purple. A small purple laurel wreath icon is on the left.

The WIE Climate Innovators Pitch Competition aimed to foster innovation and creativity by providing a platform for participants to present and refine their groundbreaking ideas related to climate change and sustainability. This event provided a unique opportunity for teams to showcase their solutions to pressing environmental issues. A total of 6 teams participated in the competition. Each team presented their ideas, which focused on various aspects of climate change and sustainability, demonstrating their creativity, research, and commitment to addressing global environmental challenges. The competition spanned over three days, starting on June 19 at 07:00 PM and concluding on June 22 at 12:00 PM. The event included multiple sessions where teams pitched their ideas, followed by Q&A sessions with judges and feedback for improvement. The teams were evaluated based on the following criteria- Innovation and originality of the idea, Feasibility and practicality of implementation, Potential impact on climate change and sustainability, Quality of the presentation and communication. After thorough evaluation, the best team, which presented the most innovative and impactful idea, was selected as the winner of the competition. This team demonstrated exceptional creativity and a strong potential for real-world application of their idea



WIE CLIMATE  
INNOVATORS  
PITCH

June 19th, 7:00 PM to June 22nd, 12:00 PM

CERTIFICATES FOR ALL PARTICIPANTS

The poster has a light blue background with a dark blue border. It features a central illustration of a hand holding a glowing lightbulb, with a blue arc connecting it to a hand holding a globe. A QR code is in the center, and a gift icon is on the right. There are small icons of a checkmark and a calendar on the left.

# TECHX



# INFINIA

## SPONSORED BY


[infinia.ieeesahrdays.com](http://infinia.ieeesahrdays.com)



27, 28, 29

SEPTEMBER

2024



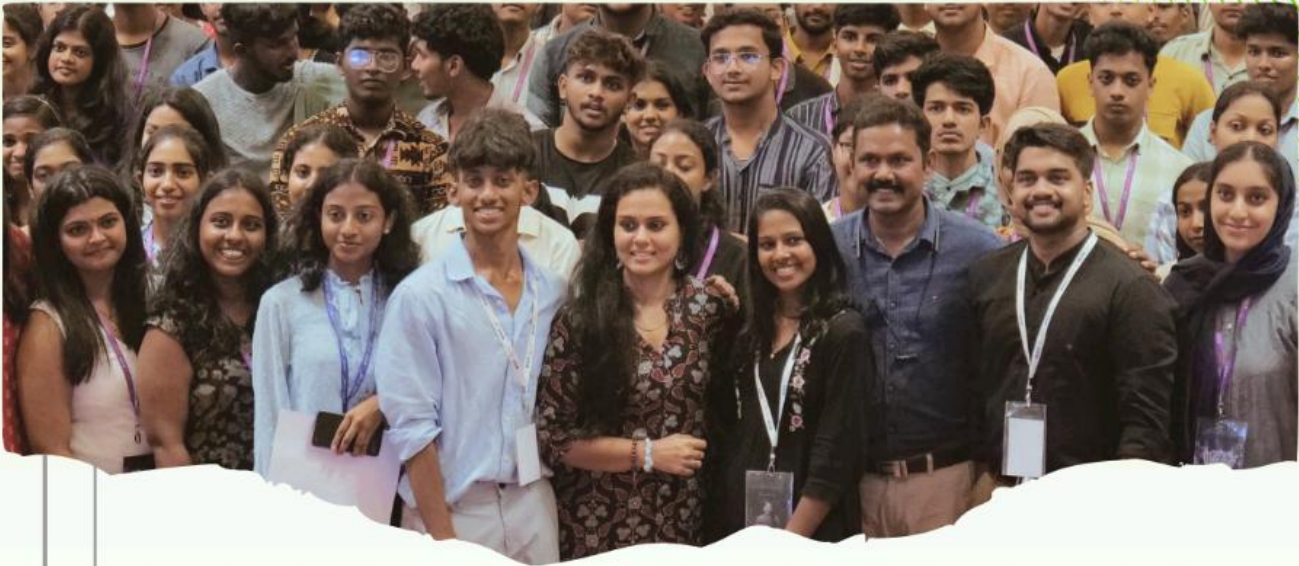
# INAUGURATION

"Imagination is the beginning of creation. You imagine what you desire, you will what you imagine, and at last, you create what you will".-George Bernard Shaw Infinia: Where Imagination Meets Technology, a 3-day International flagship event on the 27th, 28th, and 29th of September, 2024 hosted by IEEE Sahrdaya Student Branch along with Sahrdaya College of Engineering and Technology exemplified this quote by serving as a nexus where inventive minds converged to explore the infinite possibilities of technology, guided by the belief that there is no bound to imagination. Infinia is not only confined to a technical event, it is a celebration of human ingenuity, a canvas upon which dreams were painted in vivid colors of knowledge and collaboration.

The meticulous final phase planning of Infinia commenced two months before the event, under the visionary leadership of Robin Francis, Derick Davies, and Sankardas. A dedicated team of 15 leads coordinated various facets of the event. At the same time, a vibrant cohort of 50 volunteers was selected and trained, each ready to contribute to the seamless execution of the program. Registration, which opened on September 8, 2024, and closed on September 23, 2024, garnered an enthusiastic response from colleges nationwide, with a total of 350 eager to participate. Among these attendees, 186 were IEEE members, and 114 were non-IEEE members, reflecting the event's wide-reaching appeal and significance.

The inaugural ceremony on September 27 was a momentous occasion, setting an inspiring tone for the days to follow—distinguished speakers including Sri. Benny Behanan, Member of Parliament, and Mr. Jithin K Jose, the Chair of MDC, IEEE Kerala Section graced the stage, their words echoing with wisdom and inspiration.





# TRANSFORMATIVE TALKS AND DYNAMIC SESSIONS

*"Empowering Minds, Inspiring Leaders"*

The IEEE TechX Infinia event was graced by the presence of Ms. Sarika Nair, an accomplished HR leader and luminary from IBM India, who delivered a captivating keynote address on the topic of "Personal Branding." With her years of experience and profound insights, Ms. Nair guided the audience on a transformative journey of self-discovery, offering invaluable advice on crafting one's personal brand in an ever-evolving world. Through her eloquent discourse, Ms. Nair illuminated the importance of understanding and embracing one's unique narrative in a society that often leans toward conformity. She urged the participants to break free from the confines of comparison and instead celebrate their individuality.

The session was a testament to Ms. Nair's ability to connect with her audience on a personal level. It served as a reminder that in a world brimming with competition, our stories, values, and authenticity are the strongest assets we possess. Her keynote left an indelible mark on all who attended, empowering them to envision and craft a personal brand that not only resonates with others but also remains true to who they are.

Ms. Sarika Nair's session was undoubtedly one of the highlights of the event, leaving the participants inspired to redefine their perspectives on self-identity and take proactive steps toward building a meaningful and impactful personal brand.

Following the keynote address, the stage was set for an engaging and dynamic session led by Mr. Babu Sanker S, a distinguished Assistant Professor in the Department of Mechanical Engineering at St. Joseph's College of Engineering and Technology, Palai. The session, aptly titled "Igniting the Leader in You," served as a perfect blend of inspiration, interaction, and fun, leaving the audience energized and motivated.

Through a series of innovative and fun-filled activities, he encouraged attendees to step out of their comfort zones, engage with peers, and discover their innate abilities as leaders. The activities were not merely games but carefully curated exercises that emphasized the importance of teamwork, communication, and self-confidence—the qualities essential for any aspiring leader.

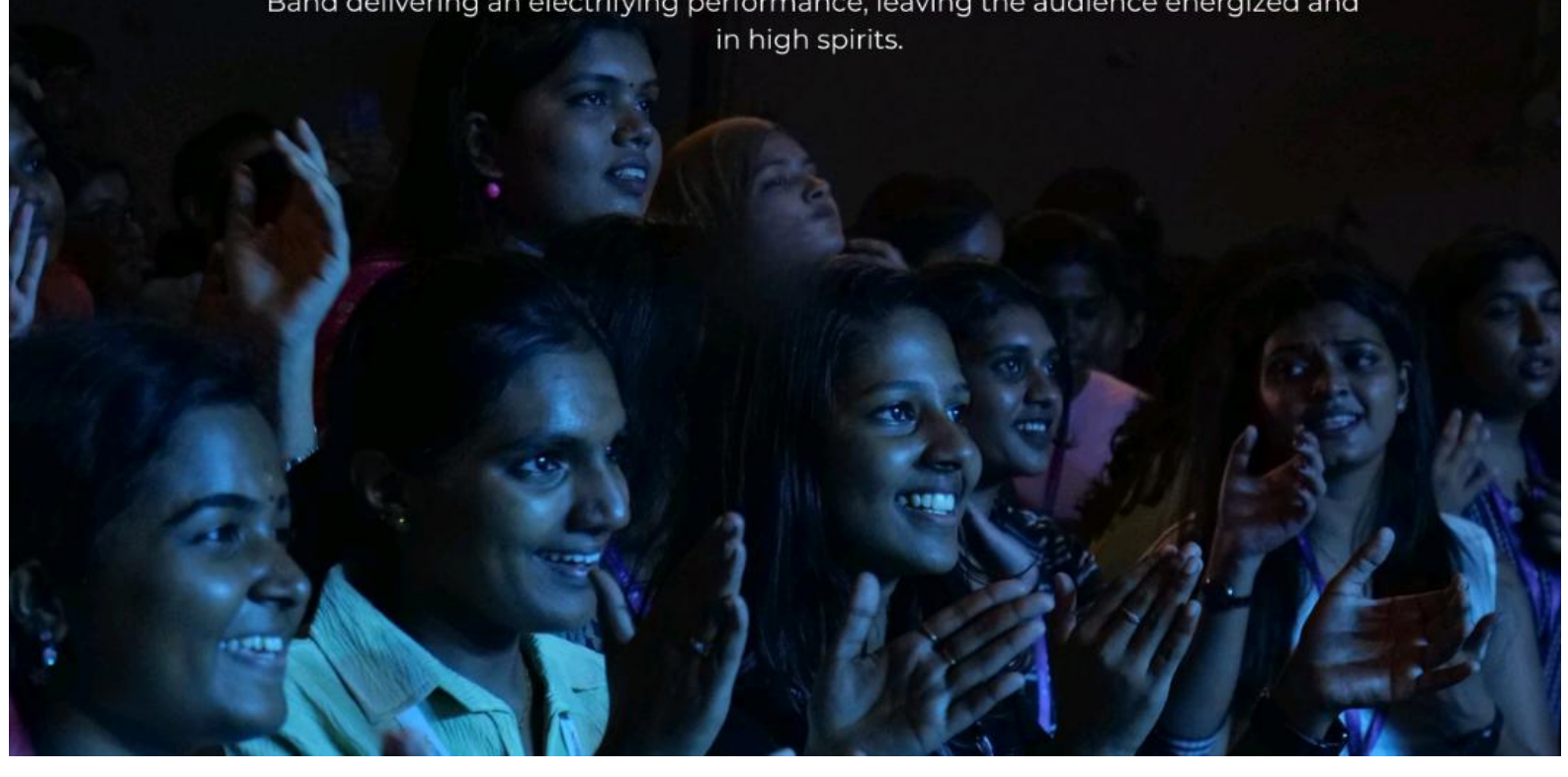
The session concluded with a sense of empowerment and camaraderie among the participants. Mr. Babu Sanker's ability to ignite the spark of leadership in every individual was truly commendable, leaving an indelible impression on the minds of all those present. His message was clear: leadership is within everyone's reach, and the first step to unlocking it is to believe in oneself and take action.





# *Night* MUSICAL

The Day 1 bid adieu on a high note with a Musical Night by Sreerag's Collective Band delivering an electrifying performance, leaving the audience energized and in high spirits.





# DAY 1

## WAS ABOUT

*Inspiration,  
Leadership & Celebration*



Day 1 of TechX Infinia was a perfect blend of inspiration and engagement, featuring an empowering inaugural ceremony, insightful talks on personal branding and leadership, and a captivating musical night to end the day on a high note.



# INFINIA WORKSHOPS

NO OF WORKSHOPS : 9

# TECHX

## INFINIA DAY 2



## AeroX

Arshif Thumbil, Founder and CEO of Dronimagination Pvt Ltd, HOD-R&D Drone Technology and Mr. Mohamed Maheen, The Head of the Drone Technology Department, facilitated the sessions.

## AeroX DRONE BUILDING WORKSHOP

The AeroX Workshop on Drone Building, held on 28th September 2024, was a comprehensive technical event aimed at providing participants with hands-on experience in drone technology. The workshop covered the fundamental aspects of drone design, development, and assembly. The experts introduced the participants to the cutting-edge advancements in drone technology, emphasizing the importance of research and development (R&D) in this rapidly growing field. They focused on practical applications and the operational aspects of drones, giving insights into the intricacies of drone control systems, sensors, and aerodynamics.



## SPEAKERS

# RPA – Forge

## Robotic process Automation

The event featured Alen Paul, Chapter Lead of UiPath Kerala Community, who brought his expertise to shed light on the rapidly growing field of Robotic Process Automation (RPA). The session explored the fundamentals of RPA, its real-world applications, and its transformative potential in automating repetitive tasks and enhancing business efficiency. Alen Paul captivated the audience with his practical insights, interactive demonstrations, and thought-provoking discussions on the future of automation.



The communal environment promoted and fostered the community wherein participants shared their experiences and worked on mini-projects. The session was quite an inroad to the evolving landscape of generative AI and infinite possibilities that lie ahead for the future.

# Cre-8-AI

## Gen AI Workshop

The TechX Infinia program had recently arranged an extremely useful workshop on generative AI. This interesting event was providing participants with hands-on exposure into the fundamentals of generative AI and its transformative potential across industries. He then kick-started the proceedings by discussing important concepts: the architecture of generative models and the significance of training data. He presented several real-world applications to illustrate how generative AI could improve processes relating to creativity, automation, and decision-making.

Participants worked with "state-of-the-art AI tools and models" and expert help from IBM's team that allowed them to explore different models and gain real-world insights.

# WebTRIX

## Web3 Workshop

Mr. Sai Poorna opened the workshop with an enlightening discussion on the emerging trends in Web 3.0. He illustrated how this new era of the internet empowers users by granting them more control over their data and digital identities, a stark contrast to traditional Web 2.0 models. He highlighted the vast potential that lies in this space, particularly for startups, and discussed the many opportunities for innovation that can lead to the development of decentralized applications.

AHRDAYA  
AUTONOMOUS

IEEE  
SAHRDAYA SR

TECHX  
INFINIA

IEEE COMPUTER SOCIETY  
SYP Activities

IEEE

# WebTriX

Workshop on Web3

ieeesahrd

**Mr. Sai Poorna**  
Global Outreach Lead,  
Alephium

ieeesahrd  
Wait for it on  
28th September 2024!!

**alephium**  
builders meetup

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BLOCKCHAIN

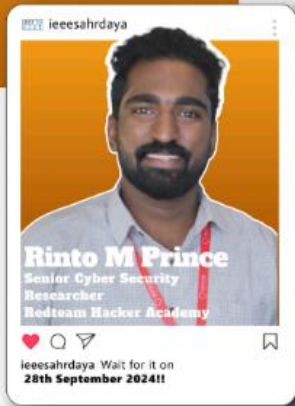
DAY 2 INFINIA  
WORKSHOP

DECENTRALIZATION

# SAI POORNA

# CybArmor

Workshop on Cyber Security  
By RedTeam Thrissur



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# CybArmor

## Cybersecurity Workshop

The workshop was led by Rinto M. Prince and Alex Davy from Redteam Hacker Academy. Rinto M Prince and Alex Davy talked about therefore important conversations as those on the dark web, why one should use vpn's, a summary of some cyber attacks carried out providing the participants with arranging concepts and current issues in the field of cyber security.

# Flut-Drive

## Flutter Dev Workshop

The participants learnt the beginners' concepts of Flutter and its purpose, which is to develop applications that can be used and compiled natively in all operating systems. During the practical sessions, there were practical activities on the widget tree construction, the architecture of the states, the workings of the APIs, and other such activities demanded of a developer in the process of work. The facilitators had also practicum savvy teachings gained from the environment of development.

## SPEAKERS



The session was moderated by the founder and the co-founder of GADS LLP who are highly experienced developers. The workshop gathered a wide range of aspiring developers and tech enthusiasts.

# C L O U D   C O M P U T I N G W O R K S H O P

# CLOUDIFY

## Cloudify

Workshop on Cloud Computing



MediaKind

On September 28, 2024, from 9 AM until three in the afternoon, the workshop "Cloudify" was sponsored by the IEEE Sahrdaya Student Branch where Mr. Vipin Madhummal, Senior Engineering Manager at Media Kind participated. The main objective of this workshop was to provide an understanding of the cloud environment and its applications to the participants.

The topic of introduction to cloud computing and AWS was followed by some enthusiastic practical sessions in which the audience participated in multiple AWS demos. As part of the participants what is more each type of cloud computing was covered in the training and worked together to develop an employee management system which enabled them to put theory into practice.

# opimaML



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## OptimaML Machine Learning Workshop

Mr. Don C John, a Data Scientist at QBurst Technologies, served as the resource person. He began the session by covering foundational concepts to ensure that participants had a clear understanding of machine learning basics. The session then continued onto a hands-on segment, where students were guided through the process of building a machine-learning model from scratch which actively involved their efforts. Real-time applications were the focus, allowing students to practice training models using datasets.

## Robolve Robotics Workshop

Mr. Anil Antu, Product Manager at Inker Robotics, opened the session by discussing the transformative potential of robotics across various sectors, showing how it enhances productivity and efficiency in industries like manufacturing and healthcare. Following Mr. Anil, Ms. Limna Rin, a STEM Robotics Trainer, focused on the educational aspects of robotics. She emphasized integrating robotics into curricula and showcased hands-on activities designed to foster critical thinking and problem-solving skills among students.

## Robolve Workshop on Robotics





## TALK SESSION


RJ Paulsy delivered an engaging talk titled "Essentials of Life" during the three-day international flagship event hosted by IEEE Sahrdaya Student Branch. The session attracted a diverse audience, eager to explore the fundamental aspects of life through an entertaining and interactive format. Her presentation emphasized the significance of balance in various life domains, including personal well-being, professional growth, and social connections. She used humor, and thought-provoking questions to encourage audience participation, making the session interactive and relatable.



## LANTERN FEST



On 28th September 2024, the Lantern Fest lit up the skies and hearts, as a radiant celebration of dreams, unity, and hope unfolded under the stars



DAY 2 **DANCE** CULTURALS  
**PERFORMANCE**



★ ★ *Rhythmic Squad* ★ ★

ON 28TH SEPTEMBER 2024, THE RHYTHMIC SQUAD LIT UP THE STAGE WITH A GRACEFUL PERFORMANCE, LEAVING HEARTS TOUCHED AND MEMORIES UNFORGETTABLE



Day 2





RESOURCE PERSON :  
**Mr. Vishal Nair**  
Entrepreneur Educator,  
WF-NEN

TOPIC:  
**Product Design:  
The journey of MVP to  
MLP**



One of the standout highlights of this event was an engaging talk by M.R. Vishal Nair, an esteemed entrepreneur and educator at WF-NEN, who captivated the audience with his insights on the topic "Product Design: The Journey from MVP to MLP." This session offered a unique perspective on product development, emphasizing the crucial transition from a Minimum Viable Product (MVP) to a Minimum Lovable Product (MLP), and left attendees inspired and energized. He delved into the importance of understanding customer needs, iterating on feedback, and continuously refining ideas to elevate a product from merely usable to one that customers genuinely love. His engaging anecdotes and real-world examples made the concept accessible and relatable, ensuring that participants were not just passive listeners but active participants in the learning experience.



## MEMBERSHIP DEVELOPMENT SESSION

The session was led by Mr. Robin Francis, Chairperson of IEEE Sahrdaya SB, IEEE Computer Society Kerala Section Kochi Hub Student Representative, and a member of the Student Coordination Team of IEEE India Council. The session aimed to introduce participants to the numerous benefits of IEEE membership, focusing on how students can access a wealth of technical resources, professional networking opportunities, and skill development platforms.



AUGMENTED REALITY

# TREASURE HUNT

29 SEPT 2024



As part of Infinia, a highly engaging Treasure Hunt was conducted in collaboration with IEEE Puzzlers, adding an element of adventure and excitement to the event. The meticulously planned activity saw participants embark on a thrilling quest filled with clues, puzzles, and riddles scattered throughout the venue. Teams worked collaboratively, combining their knowledge, creativity, and problem-solving skills to unravel the mysteries laid before them. The excitement and competitive spirit among participants made the treasure hunt one of the most memorable activities at Infinia.

# INFINIA SHOWCASE



TECHX INFINIA

## RC CAR EXPO



This expo showed the new developments in the technology of remote-controlled cars, in the form of highly aggressive vehicles that broke all the existing norms in terms of speed, agility, and innovative excellence. Hot race events characterised these expo displays that showcased marvelous capabilities of these modern RC cars. Such an event gives great insight into the mechanics and customization of RC cars, bringing along people who are especially very enthusiastic about that hobby and aspiring engineers. Over all, the expo was a mega success at celebrating the excitement and potential of remote-controlled technology



RC cars embody the perfect blend of creativity and engineering, turning imagination into motion and sparking limitless possibilities.



# ***DRONE EXPO***

Drones are the marvels of modern ingenuity, where the fusion of technology and imagination takes humanity to new heights, inspiring a future without limits



## **Elevating Innovation: Where Dreams Take Flight**

The Drone Expo, was the great showcase of innovation and technological advancements in the drone industry. Organized by the IEEE Sahrdaya Student Branch, the event attracted a diverse audience of students, professionals, and drone enthusiasts. Attendees had the opportunity to explore the latest developments in drone industry.



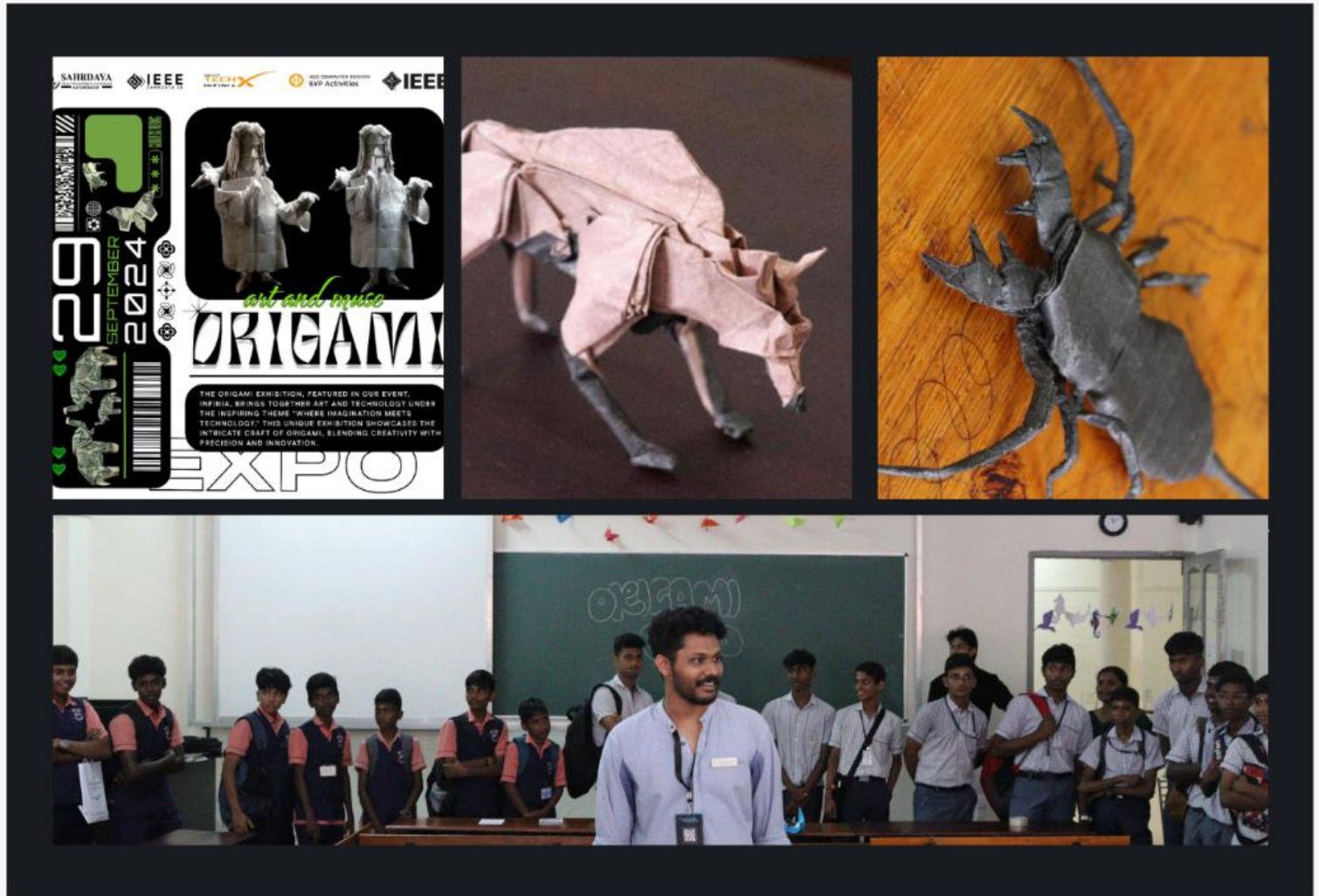
Exhibitors showcased their innovative products, ranging from aerial photography drones to autonomous delivery systems. Along with this, the event included informative workshops and talks led by industry experts, thereby this drone expo was helpful in demonstrating its practical demo. The success of the Drone Expo is contributed by the enthusiastic participation of exhibitors and attendees alike.



# ORIGAMI EXPO

Origami is the art of transformation

A simple sheet of paper becoming a symbol of imagination, patience, and endless possibilities.



The Origami Exhibition at TechX Infinia turned out to be an immense pageantry that set hearts alight with artistic surprises, all tied together in the inspiring theme, "Where Imagination Meets Technology." This unique exhibition revolved around the intricate craft of origami, blending creativity, precision, and innovation in a mesmerizing display. Visitors were captivated by the superb display of origami art, marveling at its delicate intricacies. The exhibition not only highlighted traditional designs but also explored modern techniques, demonstrating how technology is pushing the boundaries of this ancient art form.





One of the major attractions of the event was the Robotic Soccer competition, where teams showcased their robotic creations in a thrilling soccer match. The soccer robots, equipped with advanced sensors and algorithms, displayed impressive agility and precision, engaging the audience in a lively atmosphere. Participants who scored goals were rewarded with goodies, adding an element of fun and competition to the experience.

INFINIA  
DAY 3



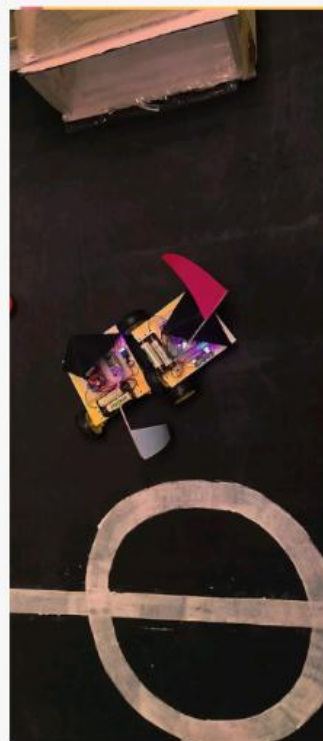
september  
29  
2024



# ROBOTICS EXPO

REDEFINING  
POSSIBILITIES:

*The Future of Robotics*



Robotics unveils the art of creation, where machines become extensions of human imagination, solving today's challenges with the promise of a boundless future.



## *BRIDGE THE GAP*

29 SEPT 2024

A DAY OF DISCOVERY IN ENGINEERING AND TECHNOLOGY

# Curiosity Unleashed



The event provided an experience inside the campus of Sahrdaya College of Engineering and Technology. During the event, students were introduced to various interactive expos, including the Robotics Expo, Origami Expo, RC Expo, and an exhilarating Drone Show. These activities gave them practical exposure to robotics, engineering concepts, and drone technology, improving their interest in STEM education. A key highlight was a session on Machine Learning Basics, where students got to know about artificial intelligence and its growing significance in the modern world. The session was designed to simplify complex topics and make them easier to young learners.

Events like these plant the seeds of curiosity, nurturing the innovators who will shape the future of technology.

### MAIN GOAL OF THE EVENT

TO INSPIRE SCHOOL STUDENTS IN STEM THROUGH EXPOS AND SESSIONS ON TECHNOLOGIES



# HACKATHON

As part of TechX INFINIA 2024, the flagship international event of IEEE Sahrdaya SB, the 48-Hour Hackathon stood out as a hub of creativity and technical brilliance. Held from September 27th to 29th, 2024, the hackathon saw an enthusiastic participation of tech enthusiasts collaborating to solve real-world challenges across four dynamic tracks:

- 1) Artificial Intelligence
- 2) Block chain
- 3) Circuit Showdown
- 4) General

## Highlights:

- Participation: Teams from diverse backgrounds united to bring fresh perspectives and groundbreaking ideas to life.
- Prizes Worth Over ₹60,000: The competition offered substantial rewards to recognize the participants' efforts and ingenuity.
- Inclusivity: Free registration for INFINIA attendees encouraged widespread participation, further boosted by exclusive goodies for selected participants.



TECHX INFINIA HACKATHON WINNERS

# AI TRACK WINNERS



FIRST PRIZE



SECOND PRIZE



# BLOCK CHAIN TRACK WINNERS



FIRST PRIZE



SECOND PRIZE



# GENERAL TRACK WINNERS



FIRST PRIZE



SECOND PRIZE

# CIRCUIT SHOWDOWN WINNER



# AR TREASURE HUNT WINNER



# DAY 3





# Heartfelt Tribute to the Volunteers of IEEE Sahrdaya SB

Behind every success story of IEEE Sahrdaya Student Branch (SB) stands an extraordinary group of individuals—the volunteers—whose unwavering passion and commitment breathe life into every initiative. They are the quiet yet powerful force, working tirelessly behind the scenes, ensuring the smooth execution of events and leaving a lasting impact on the community.

A special mention must go to the volunteers of **IEEE TechX Infinia**, whose efforts have truly been nothing short of remarkable. With selfless dedication and a genuine love for what they do, they have poured their hearts into creating an unforgettable experience for everyone involved. They've given their time, energy, and creativity, not for recognition or rewards, but for the joy of serving and making a difference. To each and every volunteer, your contributions are invaluable. You have shown that leadership is not about titles but about action, compassion, and teamwork. Your determination to go the extra mile and your unwavering belief in the power of collaboration are what make IEEE Sahrdaya SB a beacon of excellence.

Thank you for your relentless efforts, your boundless enthusiasm, and your incredible teamwork. You inspire us all with your ability to bring visions to life and make the impossible possible. As you move forward, know that the seeds of your hard work and kindness will continue to bloom, shaping the future in ways you may never imagine. We wish you all the very best in your future endeavors. May your paths be filled with success, happiness, and the same spirit of selflessness that makes you extraordinary.

You are not just volunteers; you are the heart and soul of IEEE Sahrdaya SB, and for that, we are forever grateful.





**IEEE**  
SAHRDAYA SB