

IEEE India Council Newsletter

IEEE INDIA COUNCIL

Chair

Dr. Debabrata Das

Secretary

Er. Sabarinatha Pillai

Treasurer

Dr. Y. Vijayalata

Chair Elect

Dr. Prerna Gaur

Immediate Past Chair

Dr. Suresh Nair

Advisor

Er. Deepak Mathur

Advisor

Dr. Sivaji Chakravoti

Ombudsman

Er. R.K. Asthana

Newsletter Editor

Dr. K.Gopalan Nair

Contents

Chairman's Message Editorial

- 1. Special Report

 Er. Rajendra K Asthana
- 2. India Council Activities
- 3. Section Activities
- 4. Students & YP Corner
- **5. Events in & around IC**Events in the Quarter

 Forthcoming Events
- 6. General News &

Announcements

Sections

IC

R10/MGA

Global

7. Awards

INSIDE

Chairma	03				
	Editorial	04			
:	Special Report by Er. Rajendra K Asthana	05			
Setion	09-41				
:	1. Educational Activities	10			
:	2. Education Week-Special Report	12			
:	3. Branding & Member Benefits	34			
	4. Humanitarian Activities	35			
:	5. LMAG	38			
Setion	– 2 Section Activities	42-100			
:	1. Delhi	43			
:	2. Hyderabad	44			
:	3. Kerala	50			
	4. Kolkata	67			
!	5. Madras	72			
	6. Pune	93			
Setion – 3 Miscellaneous Reports					
	& Announcements	101-128			
:	1. Stud & YP Corner	102			
	2. Diary of Events	106			
	3. General News – Bangalore, Delhi,	110			
	Hyderabad, Kerala, Kharagpur				
	IC, LMAG, R10-MGA, Global				
•	4. Awards	125			

Message from Chair IEEE India Council

Dear IEEEMembers.

Greetings from IEEE IC!

It is a pleasure to release the second quarter of 2024 this digital form of Newsletter (IC-Vaani) and update some of the activities.

Dr. Debabrata Das Chair, IC

We want to thank Dr. Prerna Gaur, Chair Elect IC 2024 and Dr. Leon Lie, R10 Education Committee Chair 2024, for jointly organizing jointly with IEEE India Council and Region 10 'Education Week'. They organized a very successful webinar on "how to write a research paper with very high probability of success" by DrDebabrata Das, Chair, IEEE India Council, attended by more than 350 participants on 20th April 2024. They also organized, "How to start the preparation for NAAC", a workshop by DrPreeti Bajaj attended by 55 faculty members at Netaji Subhas University of Technology on 14th April'2024.

I want to thank Prof. Kasim, Chair IEEE Kerala Section and Prof. Santosh of IEEE Computational Intelligence Society (CIS) chapter inauguration and invitation to IC chair for inaugural address on 6th May 2024. It was a pleasure to see the chapter's activities on a very pertinent area with respect to dynamics of technologies in AI.

On 15th June 2024, IC Foundation day was celebrated. Grateful to Prof. Lakshminarayana, VC Brand development of IC and Mr. Sabarinath, Secretary IC to organize it successfully. Dr Suresh Nair, Past Chair, IC gave a very valuable and interesting talk on "Anyone can be an Entrepreneur". Thanks to MGA VP and advisor IC Mr. Deepak Mathur as well as Prof. Sivaji, advisor IC to give wonderful talks to do volunteering works and also appreciated IC team for contributions in the vision of IEEE.

Appreciate Ms. SadhnaofVC MOVE, who represented IC in MOVE meeting in Washington DC. Her presentation during meeting has helped us to get attention of central MOVE body on achievements as well as future planning for India.

We are looking forward to grandINDISCON 2024 in Chandigarh from 22nd to 24th August,AISYWLC in October 2024 at Madras Section, and INDICON 2024 at IIT Kharagpur Section in December, the forthcoming major flagship events of IEEE India Council. Thanks to the organizing team ofINDISCON 2024, which has completed the review of2000+ papers and camera ready paper collection.

I want to appreciate the support of all Vice Chairs, cordial association of all the Sections and Sub-Sections'Volunteers and respective Chairs as well as Society, Chapters and Affinity groups. Also want to thank from my heart, theimmaculate contributions of Prof. Gopalan Nair, Editor of IC-Vaani, MrBiju Associate Editor and others members of the team for release of second quarter edition of 2024 IC-Vaani.

Looking forward to meeting you during the above flagship events and working with you for various forth coming activities in year 2024.

Warm Regards,

Dr. Debabrata Das

Chair, IEEE India Council

Editorial

"We are our own master, We make our own future."

TThe quote states that 'if we must know for ourselves, directly, the truth of ourselves and that cannot be realized through another person, however great he may be'. There is no authority other than we who can reveal this truth in us. The moment we acknowledge another as a master and ourselves as a pupil, we are denying this truth. We are very clear and we know the fact, then there is no need to follow anyone. No one can force us to



Prof. (Dr.) K.Gopalan Nair Editor. IC NL.

transform our minds. We must do so voluntarily. Its usefulness is indispensable in living a more meaningful and happy life. Always we are responsible for the quality of our lives, happiness and resources. Accordingly, for achieving a meaningful life we need to transform our own emotions. This is the most effective way to bring about future happiness for ourselves and for all others. So, as mentioned, we are our own master.

In our life, generally, we are developing within ourselves our own belief system. Also we set by our own goals, driven by the direction from our insight. At the same time occasionally we are influenced by our friends or others from our own surroundings. This is because we must learn for ourselves through others from their thought, speech and action. It is normal to watch and understand what others are doing even though it may not be needed for us. Naturally each of us is at a different learning curve and place. So we have to practice at following others and learn from them and achieve more needed for our life. This is not a blind acceptance of others or as a result of their compulsion. Perhaps our friends are stepping back in order to give us room to grow and move along our own personal path. Always we need the capability to recognize what we find for ourselves what we need.

Then, how to become our own master? See, if we don't love ourselves, we cannot love others. We will not be able to love others too. At the same time the 'happiness is not something ready-made. It comes from our own actions'. Generally we are chasing happiness in our life. Difficulties and painful experiences are not uncommon. In such situations usually we lose our hope, that's our real disaster. If we have fear on some pain or suffering, we should examine whether there is anything we can do about it. If we can, there is no need to worry about it. If we cannot do anything; even then there is also no need to worry. There exists happiness! If we have no compassion for ourselves then we are not able to develop compassion for others. This is the essence of the preaching of our predecessors. Now a question arises, is it can be achieved by all? Of course, everyone can!

Ultimately, we can recognize the great diversity in the mental inclinations and dispositions of human beings. Consider the talent, genius, education, persistence, etc in a person. Out of these nothing in the world can take the place of persistence. Think about talent, which will not, as nothing is more common than unsuccessful men with talent. Similarly genius will not, as unrewarded genius is almost a proverb. What about education? It will not, since the world is full of educated derelicts. (You may differ in these views — ok, let it be). At the same time persistence and determination alone are omnipotent. This helps us to decide our future and elevate us more with achievements. We must understand it and go into it. Then examine it by all means to find out a way of living differently. That depends on us, and not on someone else. Where, we can found in each one of us a teacher and the pupil.

Here we are the Master; and we are the leader. Yes, "men are masters of their fate".

Prof. (Dr.) K.Gopalan Nair Editor, IC NL.





Life membership



Renewal of IEEE Life Membership by Life Fellows/ Senior Members/ Members

The designation "Life member" is applicable to those IEEE members who has attained the age of 65 years and who had been a member of IEEE for such a period that the sum of his/her age and his/her years of membership equals or exceeds 100 years. This it is evident that Life Membership cannot be applied for like Senior Member or Fellow.

Like any other IEEE members, Life Members are also required to renew their membership every year once renewal cycle starts sometime in October. Only difference is that Life Members are not required to pay any dues as they are exempted from payment of annual membership fee.

It is noticed that some Life Members have got a feeling that since they are exempted from payment of fee, they need not renew membership every year but it is not correct.

If a Life Member does not renew its membership it results in following:

- His name will be removed from the active membership roster after January in following year and placed under inactive membership.
- An inactive Life Member will not receive services/publication(s) or an election ballot.
- All publications being sent to Life Members will be stopped from February of next year like any other IEEE Member.

If an inactive Life Member wishes, his/her active Life Membership shall be reinstated, with no loss of continuity of membership, upon notification that he/she needs services/publications and/or distribution of an election ballot, subject to limitation of IEEE Byelaws.

It is therefore, recommended that all Life Members may renew their membership every year once IEEE membership renewal cycle starts.



LMC activities -2024

Following are highlights of Life Member Affinity Group activities till date.

1. Life Member Conference

First ever Life Members conference was organised at Austin from 14 to 16 April 2024. Tom Coughlin, President, IEEE in his remarks mentioned that

"IEEE Life Members are an underutilized resource in the IEEE. The Life Members Conference showed how Life Members can continue to Contribute to IEEE's mission and stay engaged with the latest technical developments."

Conference was attended by 179 Life Members and 40 invited papers and many notable speakers included Tom Coughlin, IEEE President.

Plaques to 2023 Life Member Affinity Group's Global Awardees were presented by IEEE President during Conference.

- Global IEEE Life Member Affinity Group Achievement Award 2023 to Pikes Peak Section, Region 5 chaired by David Bondurant.
- Global IEEE Individual Life Member Service award 2023 to KoruthuVarughese, Kerala Section, India, Region 10.





2. Life Member Affinity Group in person meeting:

Life Member Affinity Group in person meeting was held at Austin, Texas on 17th April 2024 in continuation of LM Conference at same venue.

VP, MGA, Deepak Mathur also attended the meeting and explained MGA's role in IEEE and Strategic Plan, Objectives, Goals, 2024 Focus, MGA Surplus funding & MGA Organisation.

SudhanshuJamuar and KoruthuVarughese attended meeting from India besides me.





3. IEEE VIC Summit and Honors Ceremony was held on 2nd and 3rd May at Boston:

Life Member Committee is sponsor of "James H. Mulligan Junior Education Medal" and 2024 recipient of this medal was Andrea L Goldsmith.









LMC members & Positions

S.N.	Name	Designation			
LMC Members					
1	Rajendra K Asthana	Chair			
2	Jerry Hudgins	Vice Chair			
3	Howard Wolfman	Past Chair			
4	Fred Mintzer	Finance			
5	Jacob Kulangara	Awards & Recognition			
6	SudhanshuJamuar	Affinity Groups			
7	John Harris	Awards			
8	Hajime Imai	Awards			
9	KoruthuVarughese	Branding & Communication			
10	David Bondurant	Newsletter			
	Regional Coordinators				
R1	Daniel Sniezek				
R2	Chris Hrivnak				
R3	Jacob Kulangara				
R4	Larry Kotewa				
R5	John Purvis				
R6	Mike Andrews	LM Web site			
R7	Terry Branch				
R8	Peter Magyar				
R9	Yinnis Solis				
R10	ToshitakaTsuda				

Access Cutting-Edge Research from IEEE

The IEEE Member Digital Library brings IEEE members exclusive, instant access to IEEE journals, magazines, transactions, letters, and conference proceedings through a monthly subscription. Access the information you need from the full range of IEEE publications with a monthly subscription to the IEEE Member Digital Library.



Section-1 IC Activities



Dr. Prerna Gaur Vice Chair & Chair-Elect

Educational Activities

IC Education Week

IEEE India Council celebrated Education Week supported by Region 10, organised by Prof Prerna Gaur and Dr Leon lie

• Organised a very successful webinar on how to write a research paper with guaranteed success

by Dr Debabrata Das, Chair, IEEE India Council attended by more than 350 participants

 How to start the preparation for NAAC, a workshop by Dr Preeti Bajaj attended by 55 faculty members at Netaji Subhas University of Technology



The Following Branch/ college / Sections of India Council participated in Education Week in the month of April supported by Region 10marking a significant contribution to Education Week

- Delhi Section 1st event, led by Dr. Rakhee from the IEEE Computer Society Delhi Section Chapter, CyberSavvy Futures: Nurturing Sustainable Digital Citizenship- 14th-15th April
- Delhi Section 2nd event at Solan, Himachal Pradesh, led byDr. Shruti Jain from IEEE JUIT SB/ JUIT, Delhi Section. 18th-19th April
- Delhi Section 3rd event in Faridabad, led by- Dr. Manpreet Kaur - Student Branch: Manav Rachna University, Faridabad and Section: DelhiCyber Cognizance-18th - 23rdApril,2024
- Kerala Section in association with IEEE Malabar Subsection led byDr.Sabiq P V- KMCT College of Engineering and Kerala Section, 17th April
- 5. Delhi Section 4th event in Faridabad led by Dr

- Deepak Kumar J.C. Bose University of Science and Technology, YMCA, 19th April
- Kolkata Section led by Dr. Amit Paul STB60020653

 St Thomas College of Engineering & Tech-Kolkata/ at St. Thomas' College of Engineering & Technology, Kolkata, 25th April, 2024
- 7. Hyderabad Section, led by Prof. Saikumar Tara, 14th -20th April
- Delhi Section 5th event in Gurugram- Dr. Dr Sugandha Singh - Digital Fabrication for a Sustainable World and Sustainability for Industry 4.0 at Shri Guru Gobind Singh Tricentenary University (SGTU), 19th April
- 9. Uttar Pradesh Section a weeklong celebration led by Dr.Sourabh Ghosh, 14th- 20th April
- Delhi Section 6th Event led by Prof. Prerna Gaur-Cyber Guard', Cybersecurity QuizlEEE Netaji Subhas University of Technology, 11th May 2024

(Detailed report of different Sections are given as a Special Report from page 11)

Call for Regional Venues - Standards Workshop and Hackathon

We are excited to announce the Standards Workshop and Hackathon organized by Industry Academia Young Professionals Committee (IAYPC), IEEE India Council in collaboration with the India Internet Foundation. This program is designed to equip aspiring engineers and faculties with the knowledge and skills to build the future of the Internet. Our workshops will cover various topics, providing a strong foundation in internet engineering and standards principles. Following the workshops, participants will have the opportunity to apply their newfound knowledge in a thrilling hackathon.

We are currently seeking a suitable venue to host these workshops and hackathon at 5 cities in India (North, South, West, East and North-East India). Please let us know if your institution can provide a venue or has any recommendations. Your support in finding the perfect location will greatly contribute to the success of this program.

Best regards,

Team - IAYPC

IEEE India Council





DATE: Saturday, 11th May 2024

EVENT: 'Cyber Guard', Cybersecurity Quiz

VENUE: Online

EVENT DESCRIPTION:

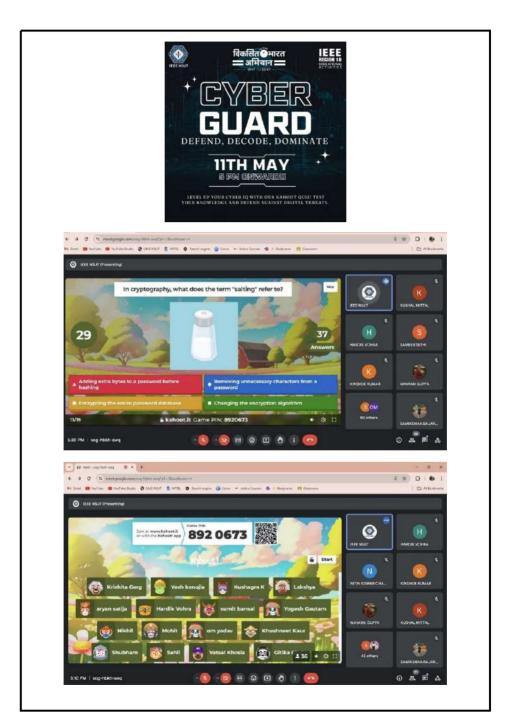
On May 11, 2024, IEEE NSUT successfully conducted 'Cyber Guard', a cybersecurity quiz. Conducted online via Google Meet, the quiz utilized the Kahoot platform to engage participants. The primary aim of the event was to enhance participants' knowledge of cybersecurity concepts and practices through an interactive and competitive format.

The event attracted more than 50 participants, reflecting a strong interest in cybersecurity among the participants. The questions asked covered a range of topics, including password strength, historical viruses, social engineering tactics, and different types of cyber attacks. Participants benefited greatly from the quiz, gaining insights into practical cybersecurity measures and the rationale behind them. The event also emphasized the importance of being vigilant in access-controlled areas and the proper steps to take when encountering unauthorized individuals.

The 'Cyber Guard' quiz was well-received, with positive feedback highlighting its educational value and engaging format. The use of the Kahoot platform made the quiz dynamic and interactive, keeping participants actively involved.

Overall, the event succeeded in raising cybersecurity awareness and provided a valuable learning experience for all attendees.



















DATE: Saturday,13th April 2024 to Friday,17th May 2024

EVENT: Tech Transducer Hunt

VENUE: Online

EVENT DESCRIPTION: IEEE NSUT PES chapter successfully conducted the 'Tech Transducer Hunt,' an innovative competition aimed at harnessing the power of technology to enhance sustainability and efficiency within our college campus. The competition tasked participants with conceptualizing and pitching smart solutions that utilized sensors, transducers, microprocessors, or controllers to address specific challenges faced by our campus community.

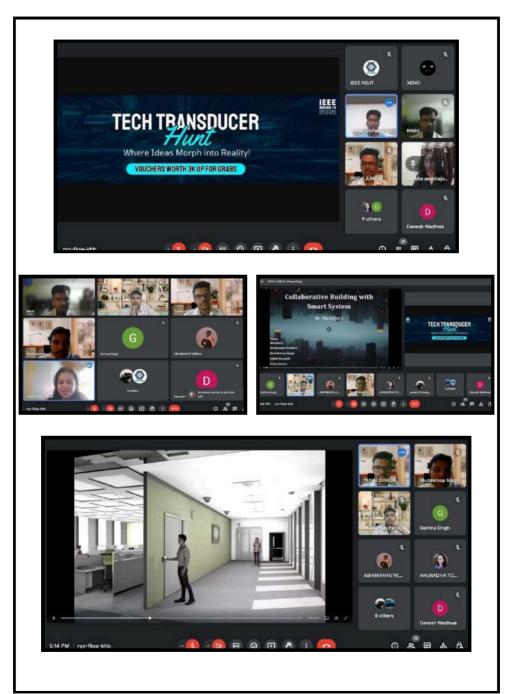
The event attracted 74 participants, demonstrating a strong interest in technological solutions for sustainability. The competition was structured into two rounds. In the prelims, teams submitted detailed presentations on Unstop, outlining their proposed smart solution for the college campus. This round ran from April 13 to May 12, 2024

In the finals, on May 17, 2024, finalist teams presented their smart solutions online to the judge for the event, Dr. Anuradha Tomar, a luminary in the field of Instrumentation and Control Engineering, IEEE NSUT PES Chapter Branch Advisor and an Assistant Professor at NSUT.

Participants explored various aspects of campus life, including energy consumption, waste management, transportation, safety, and resource utilization. The winning teams were: 1st Place: Team Apexus, 2nd Place: Team Muri, and 3rd Place: The Crafters.

The event was well-received, with positive feedback highlighting its educational value and the creativity of the solutions presented. The event succeeded in creating a culture of innovation and sustainability, providing participants with a platform to apply their technological skills to real-world challenges. Overall, the competition was a valuable learning experience for all attendees, encouraging the development of practical and sustainable technological solutions for the campus community.







Education week

Delhi Section

JC Bose University of Science and Technology, YMCA

Expert Lecture on occasion of IEEE EDUCATIONAL WEEK

On 19th April IEEE YMCA SB organized a cybersecurity session, "Cyber Safe" at JC BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA which was under IEEE R10 and received support from its Education Activity Committee. The seminar was led by Mr. Deepak Bhatia, Head of Business Development at EbixCash.

In the session he offered a impactful exploration of cybersecurity essentials in today's digital realm. He adeptly outlined prevalent cyber threats, including malware, phishing, and ransomware, underscoring the necessity for proactive defenses against these evolving risks. The session was indeed important for understanding the safety precautions from cyber fraud and threat. Attendees gained insights into best practices for bolstering cybersecurity posture across diverse sectors, with a particular emphasis on employee training and fostering a culture of cyber awareness. Moreover, Mr. Bhatia advocated for collaborative efforts among stakeholders to combat cyber threats effectively, highlighting the importance of information sharing and industry partnerships. Through showcasing EbixCash's robust security infrastructure and protocols, the seminar reinforced the imperative need for proactive cybersecurity measures in safeguarding both personal and organizational digital assets. Overall, the "Cyber Safe" seminar provided attendees with actionable guidance and inspiration to prioritize digital safety in an increasingly interconnected world.





Shree Guru Gobind Singh Tricentenary University, Gurugram, Delhi-NCR

Department of Computer Science & Engineering, FEAT, SGT University

Event Co-ordinators: Prof. (Dr.) Sugandha Singh, Dean- FEAT & HoD-CSE and IEEE Senior Member and Dr. Nancy Arya, Dy. Head & Associate Professor, CSE, FEAT and IEEE Professional Member





Resourse Person: Dr. Aarti Chugh, Associate Professor, CSE. FEAT

Department of Computer Science & Engineering, Faculty of Engineering & Technology, has organized a seminar on "Sustainability for Industry 5.0" on 19th April, 2024 for B.Tech. CSE students. This Seminar is presented as part of the IEEE Education Society's IEEE Education Week Program. Total 55 students took the benefit of the session. The session was very interesting, and participants actively interacted with the ex-

pert.

Resource Person Dr. Aarti Chugh, started the session showing a short video on Industrialization. Engaging with graduate students, she explored the critical role of sustainability in shaping the future of industry, emphasizing the need for collaborative efforts among humans and machines. From renewable energy to circular economy models, the discussion highlighted actionable strategies for creating a more sustainable and resilient industrial ecosystem.

The seminar was very interesting participants actively interacted with the expert. The seminar had successfully met the objectives for which it was planned and organized.



Resource Person: Dr.ar Chug telling about Sustainability

SGT University, Department of Computer Science & Engineering, FEAT, SGT University

Event Co-ordinators: Prof. (Dr.) Sugandha Singh, Dean- FEAT & HoD-CSE and IEEE Senior Member & Dr. Nancy Arya, Dy. Head & Associate Professor, CSE, FEAT and IEEE Professional Member.



Resourse Person: Dr. Deepika, Assistant Professor, Department of Mechanical Engineering, FEATDepartment of Computer Science & Engineering, Faculty of Engineering & Technology, has organized a seminar on "Digital Fabrication for a Sustainable World" on 19th April, 2024 for B.Tech. CSE students. This Seminar is presented as part of the IEEE Education Society's IEEE Education Week Program. Total 85 students took the benefit of the session. The session was very interesting, and participants actively interacted with the expert.

This seminar focused on utility of digital fabrication and 3D printing hands-on activities for developing sustainable solutions. The event has divided into two sessions. In the first session, Resource Person, Dr. Deepika introduced the additive manufacturing to the student and aware them of the importance and application of the 3D Printer. They also explained about the working of 3D Printer and various types of 3D printing technology available in market and how they differ in printing object. She has also shown the recent trends or developments in the world regarding 3D printing Technology. She has also explained about type of raw material required for 3D printing. Also, she has explained that depending upon the raw material how the product quality varies and also cost of the component.





In the second session, she delivered hands on experience for students to create their own 3D model. After completion of the seminar, students were come to know about the utility of 3D Printer for industrial applications. The seminar was very interesting, and participants actively interacted with the expert. The seminar had successfully met the objectives for which it was planned and organized.





Resource Person, Dr. Deepika telling importance of Digital Fabrication





Practical Demonstration of 3D Printer



Bharati Vidyapeeth's Computer Application and Managemen (BVICAM)

IEEE Region 10 had conducted educational activities. In this year (2024) the theme of the activities was Cybersavvy. IEEE Region 10 Education Activity Committee supported all the activities under this event. Bharati Vidyapeeth's Computer Application and Management (BVICAM), New Delhi conducted a series of activities this week.

Day 1: (14-04-2024) e-Waste Drive:

IEEE Education Week kicked off with great enthusiasm on April 14, 2024, with the inaugural event being the E-Waste Drive. The event aimed to educate students about the proper methods of disposing of electronic waste (e-waste) while emphasizing the importance of sustainability in our daily lives. Through this initiative, participants were encouraged to bring in their old or unused electronic gadgets such as mobile phones, laptops, and tablets for proper disposal.

The event witnessed an overwhelming response from the student community, with many volunteers actively participating in the drive. Students from various disciplines enthusiastically contributed their e-waste, demonstrating their commitment to environmental sustainability.

The first event of IEEE Education Week, the E-Waste Drive, set the tone for a week-long series of activities aimed at fostering innovation, learning, and sustainable practices among students. The overwhelming success of the event

underscores the importance of raising awareness about environmental issues and empowering the youth to take proactive steps toward building a greener and more sustainable future.





Day 2: (15-04-2024) Pick-Pause-Play:

Under IEEE Education Week organized from 14th- 20th April 2024 at Bharati Vidyapeeth's Institute of Computer Application, an activity called PICK, PAUSE, and PLAY was organized on April 15, 2024, by Dr. Rakhee and Dr. Saumya Bansal. Under this activity, several topics related to Cyber security keeping in mind sustainability were written on play cards. The participant was asked to pick a card, pause for a minute to prepare on the given topic, and then speak on the topic (Play). 20+ enthusiastic students participated and enjoyed during the



event. At the end, two winners were declared by Dr. Parul Arora and Ms. Akansha who judged the entire event with zeal and enthusiasm.









Day 3: (16-04-2024) Photo Story:

On the third day of IEEE Education Week 2024, a photo story competition was organized, which saw enthusiastic participation from students. The competition was won by a student who portrayed college life at BVICAM through their photo story. Ms. Ayushi Chopra and Mr. Sahil Dhall led and conducted this event.





- H **** (6) _ (6__ NIII (9) e



Bharati Vidyapeeth's Institute of Computer Applications

Day 4: (17-04-2024) Invited Lecture:

In the ongoing celebration of IEEE Education Week 2024, supported by the IEEE Region 10 Education Activity Committee, Dr. Archana Kumari, Associate Professor at JNU, was invited as a distinguished speaker. The event featured insights into the field of photojournalism, highlighting key aspects of visual investigation and media literacy.

Dr. Kumari illustrated her points with a series of photographs, demonstrating how misleading images can perpetuate misinformation and disinformation. She showcased examples where seemingly authentic visuals were debunked upon closer inspection. By zooming into specific details and utilizing tools like InVID Chrome extension and Google reverse image search, she emphasized the importance of multi-layered investigation to unveil the truth behind compelling visuals.

Attendees gained practical insights into the three-step process of visual investigation: scrutinizing details, conducting keyword searches, and employing specialized tools like Yandex, a Russia-based search engine. Dr. Kumari's engaging presentation underscored the significance of media literacy and criti-













cal thinking in an era dominated by image-based communication. Dr. Kumari's expertise and commitment to promoting visual integrity left a lasting impression on participants, fostering a deeper understanding of the

complexities inherent in modern photojournalism. Over 70 + participants were present in the lecture and were mesmerized by the clear and simple concept of the speaker. The lecture was coordinated by Dr. Rakhee, Assistant Professor, BVICAM, New Delhi.

Day 5: (18-04-2024) Group Discussion:

Under IEEE Education Week organized from 14th- 20th April 2024 at Bharati Vidyapeeth's Institute of Computer Application, a Group discussion was organized on April 18, 2024, by Dr. Ritika and Dr. Arpita. In this activity, there were 19 participants. So, two teams were made. Team 1 had 9 participants and team 2 had 10 participants. Group discussion started with team 1. The topic given to them was "Social Media and Mental Health". The team leader started the discussion. Team 2 was given the topic "social Media and mental health". After both the teams finished, 10 best participants were identified and they made one new team, topic given to them was "Ethical use of technology". At the end, two winners were declared by Dr. Parul Arora and Dr. Rakhee who judged the entire event. Students participated so enthusiastically.













Day 6: (19-04-2024) Debate Competition:

As part of the IEEE Education Week 2024, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, hosted an invigorating debate competition focusing on various pressing topics relevant to technology and society. The competition was themed "CyberSavvy Futures: Nurturing Sustainable Digital Citizenship" and aimed to foster a dialogue among students about the ethical, societal, and technical aspects of digital technology in our daily lives.

The debate saw enthusiastic participation from 18 students who formed several teams to discuss different facets of technological and societal issues. The rise of telehealth services compromises the quality of healthcare. Self-driving cars should replace human-driven vehicles to improve road safety. Governments should regulate social media platforms to prevent misinformation.

Animal testing is necessary for advancing medical research. Higher education should be free for everyone. The traditional classroom setting is outdated in the digital age. Corporate social responsibility is just a market-













ing tool. The debate competition at BVICAM during IEEE Education Week 2024 was a resounding success, offering students a platform to express and refine their viewpoints on significant issues affecting both current and future digital citizenship. This event has undoubtedly contributed to nurturing a more thoughtful and informed future generation, equipped to make wise decisions in the sphere of digital technology and its interaction with society.

Day 7: (20-04-2024) Logo Designing/Poster making Competition:

In continuation with IEEE Education Week 2024, we have organized a logo-designing and poster-making competition on April 20th. As today is the last day for the event, the energy and zeal of the students are commended. Six students from the BJMC and MCA departments participated in the competition. Under the supervision of Mrs. Shweta Arora Malhotra and Mr. Pushpendra Sachan. Dr. Rahul of the BJMC department has judged the event.













Jaypee University of IT

The IEEE JUIT Student Branch inaugurated Digital Guardians Protecting our Cy under CyberSavvy Theme in collaboration with IEEE, Delhi Section, India Coution week.

Digital Guardians Protecting our Cyber Realm, Preserving Our Planet under 2024 at IEEE JUIT SB.

Itinerary

April 18, 2024 Inaugural and introduction, Participants gained practical tal footprint and protecting sensitive information.

April 19, 2024 Hands-on experience in identifying vulnerabilities and a

digital systems, blockchain security.



The first day commenced with an insightful keynote address by Mr. Ajinkya Lohakare, a leading expert in cybersecurity, setting the tone for the discussions ahead. Following this, a series of interactive sessions delved into various aspects of digital safety, starting with the importance of online privacy in an era of increasing data breaches and surveillance. Participants gained practical knowledge on securing their digital footprint and protecting sensitive information from malicious actors. Additionally, sessions on data security shed light on the latest encryption techniques and best practices for safeguarding digital assets. Participants were encouraged to adopt proactive measures to mitigate the risks of data loss or theft, thereby enhancing their resilience against cyber threats. The afternoon sessions focused on social engineering tactics employed by cybercriminals to manipulate individuals into divulging confidential information or performing unauthorised actions. Through engaging case studies and simulations, participants learned to recognize and resist common social engineering techniques, thereby fortifying their defences against cyber-attacks.

The day concluded with a panel discussion featuring cybersecurity professionals and industry leaders, providing valuable insights into emerging trends and challenges in the field. Participants had the opportunity to pose questions and engage in discussions, deepening their understanding of cybersecurity principles and practices.

















The second day commenced with a thought-provoking session on the environmental impact of digital technologies, highlighting the need for sustainable practices in the digital realm. Participants explored the energy consumption and carbon footprint associated with data centres, electronic devices, and internet infrastructure, gaining a holistic understanding of the environmental implications of their digital lifestyles.

The morning sessions focused on ethical hacking and penetration testing, providing participants with handson experience in identifying vulnerabilities and assessing the security posture of digital systems. Through interactive workshops and demonstrations, participants honed their skills in ethical hacking techniques, understanding the importance of ethical conduct and responsible disclosure in cybersecurity practices. In the afternoon, a series of breakout sessions offered participants the opportunity to explore specialised topics such as blockchain security, IoT security, and cloud security. Expert facilitators led in-depth discussions and practical exercises, empowering participants to apply their knowledge and skills to real-world scenarios.













The day culminated in a closing ceremony featuring reflections from participants and organisers, highlighting key takeaways and lessons learned from the workshop. Participants were encouraged to continue their journey towards cyber literacy and sustainability, leveraging the insights gained to make a positive impact in their communities and beyond.



In conclusion, the Digital Guardians workshop provided a comprehensive platform for participants to enhance their understanding of cybersecurity and sustainable digital practices. Through engaging presentations, interactive sessions, and practical exercises, participants gained valuable insights and skills to navigate the digital landscape safely and responsibly. By fostering a culture of awareness, education, and collaboration, the workshop contributed to building a safer, more resilient, and sustainable digital future for all.

Faridabad Haryana

Event name: Cyber Cogniznace: Celebrating IEEE Education Week

Event date: 18th – 23rd April, 2024 Event Timings: 9:30 AM to 3:30 AM

Resource person (if any): NA

Details of the event:

To celebrate IEEE Education week, IEEE MRU Student Branch organized "Cyber Cognizance", a multifaceted event aimed at fostering awareness and knowledge in the field of cybersecurity. Through a series of engaging workshops and competitions, participants had the opportunity to explore various aspects of cybersecurity and enhance their skills in this rapidly evolving domain.

Sponsors of the event:

- 1) Altered Security Organizing Partner: Gave monetary support of 30K INR
- 2) Red Bull Beverage Partner
- 3) YCF Team CTF Partner Provided platform to host CTF challenges
- 4) Hacker4You Internship Partner Provided Internship to top performers
- 5) Vitamedic Health Partner Provided health supplements to top performers

No. of IEEE members: 40

No. of non-IEEE members: 400+

No. of Guests: 7

Organizers: Joy Khaneja, Jatin Kumar Mentor: Manya Sinha, Prerna Kandpal







Event 1: Introduction to CTF Workshop:

Cyber Cognizance commenced with an enlightening workshop titled "Introduction to CTF", held on 18th April 2024. This workshop served as a foundational exploration into Capture the Flag (CTF), covering a spectrum of essential topics including cryptography, web exploitation, digital forensics, reverse engineering, and OSINT. Participants were guided through the intricacies of CTF, equipping them with the necessary skills to navigate the challenges that lay ahead.

Event 2: CyberQuest Quiz

Following the workshop, Cyber Cognizance continued with the Cyber Quest Quiz on 19th April 2024, offering participants an opportunity to test their knowledge in a competitive environment. This offline quiz delved into the basics of cybersecurity, assessing participants' understanding of fundamental concepts with questions spanning various domains within the field.

Hyderabad Section

With the digital landscape constantly changing, cyber security is an ever evolving field. It must adapt to new technologies advancements, as well as shifts in the ways we use technology. As tech countries to become more closely interconnected with various aspects of Educational Activities, Hyderabad section celebrates IEEE EA Celebration week from 14- 20 April 2024, as apart of the program, IEEE EA of Hyderabad section organized a webinars and Technical talks at various SBs on "Cyber Security Awareness "under the theme of " Cyber Security and Sustainability (Waste Management) of IEEE Region 10 of EA. The Event was organized in association with WIE and NTC of Hyderabad Section.

The following events have conducted from IEEE EA Hyderabad Section:

- 1. A Webinar on "Cyber Security and its Awareness" on 14th April 2024 in association with IEEE BVRITH SB.
- 2. IEEE BVRITH SB in association with IEEE EA Hyderabad Section planned Industry visit to NRSC Balanagar on 15th April 2024.
- 3. A Webinar on the "Importance of Cyber Security Awareness in Digital Era" on 16th April 2024 in association with IEEE KGRCET SB.
- 4. A Panel Discussion on the "Cyber Security" on 16th April 2024 in association with IEEE EA Hyderabad Section and IEEE BVRITH SB.









- 5. A Technical talk on the "A Role of Cyber Security in our daily life" on 18th April 2024 in association with IEEE JBREC SB.
- 6. A Technical talk on the "Practice of Protecting Internet" on 19th April 2024 in association with IEEE REC SB.
- 7. A Poster making on "Water conversation Impact on Globalization on water crisis, resolution and innovative approach to overcome it" on 20th April 2024 in association with IEEE BVRITH SB.













Kerala Section

Emerging Threat Landscape in Cyber World and its Impact in Society

The IEEE Education Week was celebrated by IEEE Kerala Section in association with IEEE Malabar Subsection and with the support of IEEE Region 10 Education Activity Committee on 17/04/2024. In this connection, an online interactive session on the theme Cyber savvy was conducted. Dr. Hiran V Nath, Assistant Professor in Department of Computer Science, National Institute of Technology, Calicut was the expert person who has vast experience in area of cyber security. He was specific in the topic "Emerging Threat Landscape in Cyber World and its Impact in Society" Faculty members and students from various engineering colleges in Kerala actively participated in the online interactive session.

Dr. Hiran started his talk by giving awareness about various cyber threats that are associated with your system when connected with internet. He insisted in having a practice of protecting internet-connected systems such as hardware, software and data from cyberthreats. He was explaining few cyber threats by taking some case studies that has happened in the present world. He also introduced how a malicious product is inserted into our network by a supplier. He discussed about various malwares categories that may attack a system when it is connected in internet.

He has addressed various Cyber Security and Forensics analysis including Cyber Drills, Incident Response, Malware Reverse Engineering, VAPT, Forensics Investigations and Ethical Hacking. His talk also focused on securing systems from latest security threats like Advanced Persistent Threats (APTs) & Targeted Attacks.

The aim of this interactive session was to give awareness to all students, academicians, and educators on cyber threats as we all are in digital world. A total of 45 members participated in the session. Out of which 28 were IEEE Members.







Kolkata Section

Celebration of IEEE Education Week at St. Thomas' College of Engineering & Technology, Kolkata

Event Overview

St. Thomas' College of Engineering & Technology, Kolkata successfully organized an engaging and informative celebration of IEEE Education Week. The event was proudly supported by the IEEE Region 10 Education Activity Committee. Themed "Cyber Savvy," the program focused on raising awareness and enhancing knowledge regarding cyber security among students and faculty members.

Date and Venue

The celebration took place on the campus of St. Thomas' College of Engineering & Technology, Kolkata. The event was scheduled 25th April, 2024, ensuring maximum participation and impact among the student community.

Theme and Objective

The chosen theme for this year's celebration was "Cyber Savvy." The objective was to foster a deeper understanding of cyber security challenges and solutions among the participants. This theme is particularly relevant in today's digital age, where cyber threats are becoming more sophisticated and pervasive.

Keynote Speech

The highlight of the event was the keynote lecture on Cyber Security delivered by Professor Dipanwita Roy Chowdhury from the Department of Computer Science and Engineering at the Indian Institute of Technology, Kharagpur. Professor Chowdhury is a renowned expert in the field with extensive research and teaching experience in cryptography, network security, and algorithm design.

Lecture Details

Professor Chowdhury's lecture delved into the intricacies of cyber security, focusing on current threats, prevention strategies, and the importance of being cyber savvy in personal and professional spheres. She emphasized the critical need for updated and robust security measures to protect sensitive information and maintain privacy in the cyber world. Her talk was enriched with examples from recent cyber-attacks, illustrating the potential risks and consequences of cyber vulnerabilities.

Audience Engagement

The event saw active participation from one hundred ten students, and ten faculties. The interactive Q&A session post-lecture provided an excellent platform for attendees to discuss their concerns and curiosities about cyber security with an expert in the field.

Total 120 (IEEE member 18 and guest 102) participants have registered for the event.

Impact and Future Recommendations

The celebration of IEEE Education Week with a focus on cyber security was a significant step towards empowering the future engineers of St. Thomas' College with the knowledge to navigate and secure the digital landscape. The enthusiasm and feedback received suggest a growing interest in this crucial area of technology.



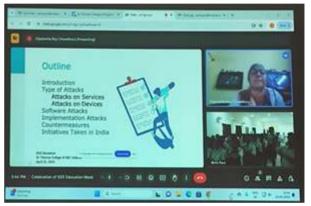
It is recommended that the college organizes follow-up workshops and training sessions on specific tools and methods in cyber security. Such continuous learning opportunities will enhance the practical skills of students and prepare them better for industry challenges.

Conclusion

The IEEE Education Week event at St. Thomas' College of Engineering & Technology was a resounding success, marked by insightful discussions and enthusiastic participation. It effectively highlighted the importance of being cyber savvy in the modern world and contributed significantly to the educational goals of the IEEE mission. The college looks forward to hosting more such events that encourage learning and innovation among the engineering community.

Note: We regret to inform that due to an acute health issue faced by our esteemed speaker, Professor Dipanwita Roy Chowdhury, the IEEE Education Week event, originally scheduled for April 18, 2024, at St. Thomas' College of Engineering & Technology, has been postponed.

The health and well-being of our speakers and participants are of utmost priority. After careful consideration and in consultation with Professor Chowdhury, we have decided to reschedule the event to April 25, 2024. We sincerely apologize for any inconvenience this change may cause and appreciate your understanding and support in this matter.



UP Section

The IEEE Education Week 2024 Workshop on "Green Horizons: Harnessing Digital Solutions for a Sustainable Future" was successfully conducted on April 14-20, 2024. This workshop was jointly organised by the IEEE Uttar Pradesh Section, & IEEE PELS Uttar Pradesh Section Chapter, and supported by IEEE Region 10 Education Activities Committee (EAC). This theme catalysed thought-provoking discussions, offering attendees a glimpse into the intersection of technology and environmental stewardship. Eight distinguished speakers from diverse backgrounds shared their perspectives on leveraging digital innovations to propel us toward a more sustainable world.

This report mentions the complete schedule and digital posters for the event.

Schedule	Session	Speaker
April 14, 2024	Inauguration ceremony	Section Chair, IEEE UP Section
16:00 - 16:30		Chair EAC, IEEE UP Section
April 14, 2024	"Smart Grid for a Sustainable	Prof. Sri Niwas Singh
16:30 – 18:00	Future"	ABV-IIITM Gwalior
April 15, 2024	"Agrivoltaic Systems:	Prof. Mohd Rihan
18:00 – 19:30	Combining Solar PV and	AMU Aligarh
	Agriculture,"	





April 16, 2024	"Innovative Solutions for	Prof. Sanjeev Kumar Singh
11:00 - 12:30	Sustainable Construction using	CSIR-CBRI Roorkee
	Local Materials"	
April 16, 2024	"Innovating for Impact: Digital	Prof. J. Ramkumar
18:00 - 19:30	Solutions for Sustainable	IIT Kanpur
	Development"	
April 17, 2024	"Sustainable Al for Cyber	Prof. Asheesh K. Singh
18:00 – 19:30	Physical Systems"	MNNIT Allahabad
April 18, 2024	"Awareness about Cyber	Mr. Nikhil Ranjan
18:00 - 19:30	Security Threats in Digital	NIELIT Haridwar
	World"	
April 19, 2024	"Biasness and Fairness in	Dr. Satish Kumar Singh
18:00 – 19:30	Artificial Intelligence"	IIIT Allahabad
April 20, 2024	"Digital Decarbonization for	Mr. Sourabh Ghosh
11:30 - 12:30	Sustainable Mobility"	GSM, MNNIT Allahabad
April 20, 2024	Valedictory Ceremony	Prof. Prerna Gaur,
12:30 onwards		Director, West Campus, Netaji Subhas
		University of Technology

Day 1: "Smart Grid for a Sustainable Future"

Prof. S. N. Singh emphasised the crucial role of signal-processing tools like FFT, DWT, and Prony Transform in enhancing smart grids. These tools extract vital insights from grid data, with FFT identifying harmonic distortions, DWT detecting transient events, and Prony Transform aiding in trend prediction and optimisation. Leveraging techniques like filtering and spectral analysis enables smart grids to manage energy distribution efficiently, optimise resources, and respond to dynamic conditions in real-time. His insights highlighted the transformative potential of signal-processing tools in the energy sector.



Dr.Lakshminarayana Sadasivuni Vice Chair

Branding and Member Benefits

Foundation Day Celebrations:

India Council celebrated its foundation day on 15th June 2024 and it was joined with participation from all the sections. Sri.Sabarinath Pillai Secretary invited all the delegates and participants. Prof.Debabrata Das Chair IEEE India Council mentioned the importance of 'Foundation Day' and its past history to all the delegates, Dr. S. Lakshminarayana Vice Chair, Branding & Member Benefits India Council requested all the Chairs and delegates to join in future IEEE activities and proposed few events in continuing to the foundation day, Dr.ShiyaiiChakrayorty Advisor IEEE IC spoke about the advantage of networking by attending the events. He highlighted the Industry association, Importance of networking the events, How one can improve the networking skills, how such networking helps in personal life and overcome the fear of networking. Dr. Prerna Gaur mentioned that sense of proud of such diverse field events and such events even transform the society. She briefed about the incoming INDICON, INDISCON and other events.

Sri. Deepak Mathur Vice-President IEEE graced the occasion and briefed all the delegates about the future plans and missions of IEEE. He further added about the situations about the post R10 bifurcation into two regions. He opined that more opportunities will arise in such a stage and requested all the members to be prepared for volunteering. He also added that India will have 14th Section soon.

Dr K.R. Suresh Nair, Past Chair IEEE IC delivered the foundation day lecture on "Everyone can be an Entrepreneur". He was citing several examples of his career and other successful entrepreneurs that attracted several delegates. He gave instances, where people strived to become entrepreneurs and successful, with their hard work.

Dr Kiran Amin Chair Gujarat Section, Dr. DipankarDebnath Chair Khargapur Section, Dr. PorkumaranKarantharaj Chair Madras Section, Dr. Abdul Q Ansari Chair Delhi Section, DR Rajesree Jain from Pune, Dr. T. Srinivas from Bangalore, Prof.Y. Vijayalatha Chair Hyderabad Section presented their respective sections past, present and future activities. All the section chairs invited the other section volunteers for participation in the intersection events in the coming year. Prof.Debabrata Das and Sri.Sabarinath Pillai concluded by highlighting the important events in 2024 ahead. Prof.Vijayalatha proposed votes of thanks. The event ended with the national anthem.





Ms Sadhana Attavar Vice Chair

Humanitarian Technologies Activities

Report on Humanitarian Technologies Activities of India Council for the period April-June 2024

April 2024

IEEE India Council SIGHT Chairs Meeting

IC SIGHT Chairs meeting was held on April 20th 2024 inn which SIGHT chairs from 8 different sections of India Council participated. The objective of the meeting was to discuss about IEEE MOVE India and organize the activities of MOVE India across the country in collaboration with various sections of the India Council. It was decided to organize the following two events of IEEE MOVE India across the country.

- 1.Disaser Awareness Training Program
- 2.STEM on Climate Change and Sustainability

May 2024

Launch of Mini MOVE India Truck

On May 2 2024 MOVE India core team had in person meeting with various vendors of the Move truck and finalized the inside layout for the vehicle.

June 2024

IEEE MOVE India TOT on Disaster Awareness training Programme

The TOT on Disaster awareness training program was held on 2nd June 2024 from 11 am to 2 pm in which SIGHT chairs of different sections of India Council along with SIGHT volunteers participated in the training program. About 30 volunteers attended the program. Mr.SunandSampath was the resource person for the program.





IEEE MOVE India Disaster Awareness Training Program

After the TOT on Disaster AwarenessTraining Program the Train the Trainer Tool kit was shared with all the SIGHT Chairs of India Council so that they can conduct this training programs in different school of their region.

After the TOT the first Disaster Awareness training program was held on June 29 2024 by IEEE SIGHT Bangalore Section in collaboration with IEEE SB Atria Institute of Technology ,Bangalore at A S KUPPARAJU AND BROS VIDYANIKETAN SCHOOL,Bangalore.

IEEE MOVE India Core Team

1. Prof.Debabrata Das Chair IEEE India Council

- 2. Ms.SadhanaAttavar Vice Chair HTA IEEE India Council and Lead MOVE India
- Mr.ArunTanksali Lead Marketing Committee MOVE India
- 4. Dr.Chengappa Lead Technology Committee MOVE India
- 5. Dr. Mousiki Kar Lead Education Committee MOVE India

IEEE Staff

- Mr.SriChandrasekaranSr Director, Standards & Technology IEEE India
- 2. Mr. Ashoka Vittal Philanthropy Manager, IEEE India



Lead with Impact. IEEE Leading Technical Teams

Unlock your leadership potential in your industry with the IEEE Leading Technical Teams Program. Gain the essential skills to inspire and guide technical teams towards remarkable results. Connect with a global network of professionals, exchange insights, and expand your horizons. Our cutting-edge curriculum covers the latest trends and best practices in technical leadership, equipping you to navigate complex challenges with confidence. Don't miss this opportunity to become an influential leader in the dynamic field of technology.









Er. Koruthu P Varughese LMAG IC Chair

Life Member Affinity Group India Council

We are delighted to present the second quarter activity report of the IEEE Life Member Affinity Group, India Council. As we progress through the year, LMAG in India has been actively engaged in fostering collaboration, knowledge exchange, and professional development among its members. This was possible only with the remarkable achievements and impactful initiatives of our LMAGs. From insightful technical discussions in engaging networking events, our group remains dedicated to foster knowledge exchange and professional growth among IEEE Life Members across India in a pre-planned schedule of conducting monthly webinars.

We could organise Monthly webinars in April, June as usual, but that is May was missed due to unforeseen matters. I request to all LMAGs to be active in organising programs and arrange speakers for the monthly webinars as per the planned schedule. The schedule is repeated in this report for the easy reference of the members in their planning.

The webinar of April was jointly organised with Kolkata LMAG onloT in Agriculture byProf. (Dr.) Bijoy Kumar Upadhyaya, SMIEEE, FIE, LMISTE, LMIETE Principal-in-Charge Tripura Institute of Technology Narsingarh, Tripura (W).

The speaker meritoriously explained on the use of IoT smart agriculture products which are designed to help monitor crop fields using sensors and by automating irrigation systems which has resulted the farmers and associated brands to easily monitor the field conditions

from anywhere without any hassle.

The webinar on 27th June was jointly organised with the help of Bangalore LMAG. Topic for the talk was "Wireless Communications Beyond 5G - 5G Advanced Moving to 6G"

Dr. M H Kori, Distinguished Fellow and Past Vice president & Governing council Member IETE and Past Vice Chair IEEE MT EdT& amp; ED Society did the presentation.

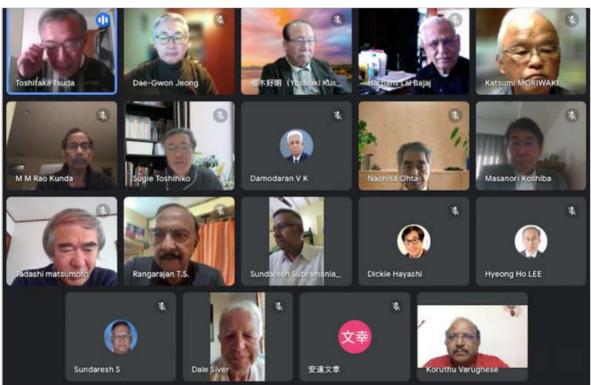


During the presentation Dr. Kori highlighted the rapid evolution of Wireless communications from 2G to the current 5G technology in revolutionizing connectivity and enabling new applications. As the industry looks beyond 5G, towards what is tentatively referred to as 6G, the focus shifts to even higher data rates, ultra-low latency, massive device connectivity, and seamless integration with Al and IoT. He also explained the advancements made in 5G Advanced technologies and the emerging trends and challenges in paving the

way for 6G networks, promising transformative impacts across industries and everyday life.







The first ever LMs conference 2024 was organised with a theme of 'Evolution: Technology, Applications, and Contributions', at Austin, TX, from 14-16 April 2024. This Life Members Conference served as a platform for fostering collaboration, innovation, and knowledge exchange among life members. Sponsoring entities

demonstrated support for an experience that IEEE members, of all membership grades, will talk about for years ahead. The Evolution conference theme provided an excellent opportunity for the conference attendees to develop a deeper understanding of the sponsoring organization's products and services.

Challenges in Traditional Agriculture



Labour-intensive processes

- Manual Labour
- Limited Technology Adoption
- Small-scale Operations
- Crop Diversity
- Limited Infrastructure

Inefficient resource management

- Water Usage
- Soil Degradation
- Energy Consumption
- Chemical Dependency
- Land Fragmentation



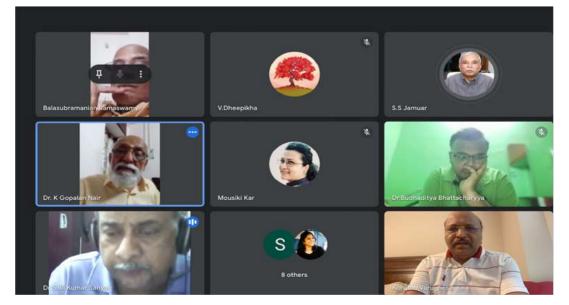












Koruthu P Varughese Chair LMAG India Council attended the LMAG Conference at Austin

He received the LMAG's prestigious Global individual service award during this conference. This was made possible only due to the whole-hearted and enthusiastic cooperation of all our embers.

Koruthu P Varughese is nominated as the Chair of Branding & Communication



Global LMAG Ward recipients 2023

From Left:Howard Wolfman, Past Chair Life Member Committee;Koruthu P Varughese, recipient of Global IEEE Individual Life Member Service award 2023;David Bondurant, Global IEEE Life Member Affinity Group Achievement Award 2023;Rajendra K Asthana, Chair Life Member Committee: Jacob Kulangara, Chair Awards & Reorganisation, LMC.



Koruthu P Varughese, Chair LMAG India Council, receiving the Global IEEE Individual Life Member Service award 2023 from IEEEpresident-elect 2023 in the presence of Howard Wolfman chairmen Life member Committee at Austin USA.



Directions for the Future:

Moving forward, the IEEE Life Member Activity Group in India aims to:

- Expand outreach to younger professionals and students.
- Foster interdisciplinary collaborations with other IEEE societies and technical councils.
- Enhance digital engagement through online platforms and virtual events.
- Address societal challenges through technological innovations and sustainable practices.

Without the exhaustive cooperation of all LMAGs, the achievement of the noted objectives is challenging. Also, noteworthy to mention that now-a-days the attendance in the monthly webinars are decreasing very low in its count. Henceforth, my request to all for a more active and effective involvement in the routine activities, is obligatory to attain glorious results.

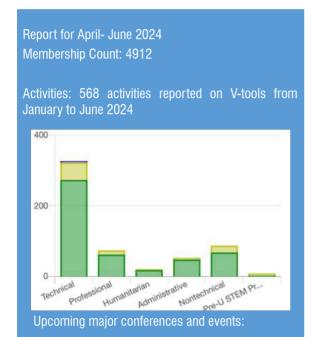
Thank you all for your continued support and active participation extended till date. Together, we look forward in advancing our mission in promoting lifelong learning and excellence in technology to all in the Society.

Section-2 Section Activities



Prof. A.Q. Ansari Section Chair

Delhi Section



Awards and recognition:

IEEE PES IAS Delhi joint chapter received two prestigious awards- HPCP award and Frank Lambart Outstanding chapter award.







Dr. G. Prasad AcharyaSection NL Editor

Hyderabad Section

Distinguished Microwave Lecture (DML) on "100-300 GHz Wireless: Transistors, ICs, Systems"

22nd June, 2024

The distinguished microwave lecture by Prof. Mark Rodwell from University of California was organized at UCE, Osmania University on 22nd June 2024. The opportunities, and the research challenges were presented in the development of 100-300GHz wireless communications andimaging systems. In such links, short wavelengths permit massive spatial multiplexing both for network nodes and point-point links, permitting aggregate transmission capacities approaching 1Tb/s. Transistor development, IC design, and system design,

and efforts to develop 140GHz massive MIMO wireless hubs, and 210GHz and 280GHz MIMO backhaul links were described. Students participating from various colleges interacted with Prof. Mark Rodwell. Prof. Mark Rodwell was felicitated by presenting e-memento and souvenir. Dinner was held with all Chapter Excom members with Prof. Mark Rodwell.

DML on "Millimeter-wave Transceiver Chips with Antenna in Package"

12th April, 2024

IEEE MTT-S/AP-S/EMC-S Joint Chapter Hyderabad Section organized Distinguished Microwave Lecture





on "Millimeter-wave Transceiver Chips with Antenna in Package". The speaker was Prof. QuanXue, South China University of Technology, Guangzhou, Guangdong, China. Mixed design methodology using both the lumped and distributed elements in the millimeter-wave integrated circuit design is of great interest, not only compound semiconductor but also CMOS integrated circuits. To achieve high-integration and high-performance, the heterogeneous packaging architecture to combined the merits of both CMOS and compound semiconductor millimeter-wave integrated circuits is becoming an attractive technology.In the talk, innovative design approaches and methodologies on millimeter-wave integrated circuits, subsystems and corresponding antenna-in-package were discussed.

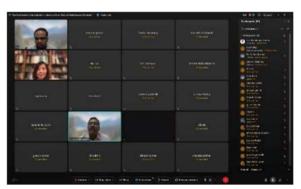


Image: Photograph of the expert talk on the Web-Ex Platform

PES-JT. CHAPTER-IEEE HYD SEC /PELS-DISTIN-GUISHED LECTURER PROGRAMME-WEBINAR/ ON "ONE-CYCLE CONTROL AND ITS APPLICATION FOR STABILIZING POWER GRIDS WITH HIGH RENEWABLE PENETRATION 14th June, 2024

The PES/PELS/IAS Joint Chapter of Hyderabad Section in association with PELS SBCs of JNTU Anantapur and

GPREC Kurnool has successfully conducted a PELS Distinguished Lecturer Program (DLP) webinar on June 14th, 2024. The PELS DLP webinar focused on the topic of "One Cycle Control and its Applications for Stabilizing Power Grids with High Renewable Penetration". The webinar was presented by the IEEE PELS Distinguished Lecturer, Keyue Ma Smedley, PhD, Professor at the University of California, Irvine, This DLP webinar covered Challenges with High Renewable Penetration, OneCycle Control and benefits of OCC. Prof. Smedley introduced OCC as a solution for stabilizing power grids with high renewable penetration. OCC is a control method for power electronic converters that mitigates the effects of intermittent renewable generation. The webinar attracted attracted a diverse audience, including IEEE members. students, industry professionals, and researchers.



WIE Day Celebration: Two Days Conclave of Women in Microwave. Antenna and Electromagnetics

29th June to 30th June, 2024

IEEE MTT-S/AP-S/EMC-S Joint Chapter Hyderabad Section organised two-days conclave of women in microwave, antenna and electromagnetics to celebrate IEEE WIE Day. The conclave was inaugurated by Dr. MadhumitaChakravarthy, Former Director CMSDS Kolkata and Keynote Address on "Women in Microwave, Antenna and Electromagnetics" was delivered. Prof. KavithaArunachalam from IIT Madras delivered talk on "Design and realization of wideband frequency selective surfaces for quasi-optical network". Dr. Gaurangi Gupta from JPL NASA delivered talk on "Innovative Antennas for Satellite Telecom, Radar Systems and Radio Telescope".

Mrs. Shruti Sinha from SAC ISRO Ahmedabad delivered talk on "Frequency Generators- The Heart of Microwave Radars". Prof. Prutha Kulkarni from VIIT Pune delivered talk on "Antennas and Emissions". The talk on "Airborne Radomes: Design and Realization Challenges" was delivered by Mrs. Joita Mukherjee from RCI, DRDO Hyderabad.

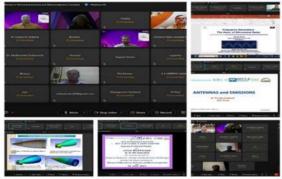


Image: Highlights of the WIE Day celebration - Photo

AP-S YP Ambassador Talk on "Handheld Systems for Radar Imaging and Antenna Diagnosis"

10th May, 2024

IEEE MTT-S/AP-S/EMC-S Joint Chapter Hyderabad Section organized IEEE AP-S Young Professional Ambassador Talkon "Handheld Systems for Radar Imaging and Antenna Diagnosis". The speaker was Dr.GuillermoÁlvarez-Narciandi (Member, IEEE), Queen's University Belfast, Belfast, U.K.The development of radiofrequency technology and tracking systems have enabled the development of compact portable systems for both electromagnetic imaging and characterization. This talk has provided an overview of conventional stateof-the-art imaging and antenna characterization systems, highlighted their features and limitations, and presented some emerging portable alternatives. The talk majorly focused on handheld systems and, more specifically, on freehand applications, which rely on the use of a compact device moved by hand whose position is tracked to enable the coherent processing of the acquired data, bypassing the need of bulky positioning equipment.

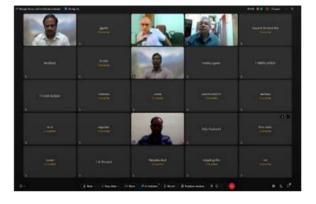
Image: Photograph of the talk on the Web-Ex Platform



PES/PELS/IAS Joint Chapter, PELS-RDLP

7th June, 2024

The PES/PELS/IAS Joint Chapter of Hyderabad Section in association with PELS SBCs of GPREC Kurnool, RGMCET Nandyal, JNTU Anantapur and GPCET Kurnool has successfully conducted a PELS Regional Distinguished Lecture Program (DLP) webinar on June 07, 2024. The webinar focused on the topic of "Microgrid Control and Active Distribution Systems" presented by the esteemed Prof. Mahesh Kumar Mishra from IIT Madras. The RDLP covered the overview of microgrids, various control techniques used in microgrids, including centralized and decentralized control methods, the role of active distribution systems in integrating renewable energy sources and managing distributed generation, practical challenges in implementing microgrids and active distribution systems, and innovative solutions to address these challenges. The webinar attracted a diverse audience, including IEEE members, students, industry professionals, and researchers.



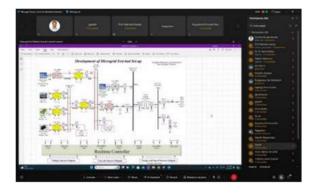


Image: Highlights of PES/PELS/IAS Joint Chapter, PELS-RDLP – Photo

IEEE MTT-S/AP-S/EMC-S Student Members Industrial Visit to Astra Microwave Products Limited

7th June. 2024

An Industrial visit to Astra Microwave Products Limited for IEEE Student members was organized by IEEE MTT-S/AP-S/EMC-S Joint Chapter Hyderabad Section on 07th June 2024. Astra Microwave Products Limited is leading company in the field of RF and microwave systems development and production established at Hyderabad. The students were explained various design and development processes of RF and MMICs. The students visited design, fabrication and testing facility in RF division of Astra Microwave. An interactive session was organized







adopted for qualification of RF and microwave products. The students had good interaction with the designers and system developers at Astra Microwave. It was memorable experience for students to physically see the PCB FAB facilities and clean rooms

Image: Astra Microwave Products Limited visit-Group photo

IEEE MTT-S/AP-S Workshop and Students Conclave 28th June. 2024

IEEE MTT-S/AP-S Workshop and Students Conclave was organized by IEEE Hyderabad section MTT-S/AP-S/EMC-S joint chapter in association with MTT-S student branch chapter Matrusri Engineering College, Saidabad Hyderabad. The conclave provided an opportunity to students to get exposure about the MTT and AP Societies, benefits of membership, exposure about various initiative by these societies and how it can help them for enriching their knowledge. Following were highlights of the conclave:

- Talk by Prof. DebatoshGuha, IEEE AP-S MGA Chair, IRPE, University of Calcutta "Role of Antenna Science and Engineering: in the light of 75th Anniversary of IEEE Antennas and Propagation Society".
- Talk by Prof. ChinmoySaha, IEEE MTT-S R10 Coordinator, IIST, Thiruvananthapuram, "Microwave Wireless Power Transfer and Energy Harvesting Research: Trends, Techniques and Recent Activities in IISTs".
- 3. Discussion on MTT-S & AP-S Chapter Opportunities
- 4. Presentations by MTT-S/AP-S SBC Chairs
- 5. Interaction with SBC faculty advisors
- 6. IEEE AP-S 75th Anniversary celebration

The IEEE AP-S SBC was inaugurated at Matrusri Engineering College by Prof. DebatoshGuha on this occasion.

Image: MTT-S/AP-S Workshop and Students Conclave

A Two Days Workshop on



"Digital ASIC Design Using Open-Source Tools" 18th April to 19th April, 2024

The resource person started the session by extending his hearty thanks to the participants, organising members,



HoD, Principal and Management of MITS Madanapalle for giving opportunity to share his knowledge and experience on "ASIC Design Flow."

He added the Teaching experience about the Basic VLSI Design and explained importance about the CMOS Chip



Design Options and covered the topics.

- 1. Important of ASIC and types of ASIC
- 2. High Performance Circuit Design techniques
- 3. IRSIM Logic-level simulator for MOS circuits
- 4. SPICE Transistor-level simulator for MOS circuits
- 5. How to write Test Benches

DrDhayalakumar M, Director and Founder of Meister Gen Technologies Pvt Ltd and Dhisai Technologies Pvt Ltd has explained about installation and working principle of Oracle VM VirtualBox

The following topics are covered by Resource Person

- 1. Introduction to CAD Tools
- 2. Digital Design HDL Modelling
- 3. Sequential based Circuit Design: 4- point FFT Design
- 4. Array Multiplier ASIC Design using Open Lane Practice
- 5. 4 point FFT ASIC Design using Open Lane Practice Image: Group photo of the program at the venue

Special Awards and Achievements

- DrHarivardhigini Subhadra has been inducted in Industry Academia Young Professionals Committee (IAYPC)-2024. India Council.
- 2. The proposal titled "A Step Beyond BINARY Let's break the GLASS CEILINGS ", submitted by DrHarivardhiginiSubhadra,for R10 WIE DEI grant has been selected for funding of USD 400.
- 3. The following members of IEEE Hyderabad Section have received the recognition of IEEE Region 10 Ethics Champion:
- a. Santosh Sivasubramani
- b. Harini
- c. Sudharshan J
- d. SrivaniGande
- IES society of IEEE Hyderabad Section has received Section Chapter Local Activities (SCLA) fund of USD 3414.
- IEEE Young Professionals, IEEE Hyderabad has received a grant of USD 750 towards IEEE YP Local Activity Funding
- 6. IEEE SB of JNTUK University College of Engineering

- Narasaraopet (STB11430) has received a grant of USD 500 towards IEEE YP STEP Funding.
- WIE team, IEEE Hyderabad Section is rated as one among the top 10 WIE sections in IEEE R10 and is awarded with USD 100.
- 8. IEEE Hyderabad Section received \$800 for Membership development.
- 9. IEEE PES of Hyderabad Section has been selected for High Performing Chapter Program with an award of USD 640.
- 10. IEEE Signal Processing Society's Hyderabad Chapter has been awarded Certification for four years.
- 11. CIS/GRSS Jt. Chapter, IEEE Hyderabad Section has been awarded with USD 4800 for GRSS Summer School proposal.
- 12. MTT-S/AP-S/EMC-S Joint Chapter has won the AP-S Outstanding Chapter Award.
- 13. 2023 IEEE PES Chapter, Hyderabad Section has received the Outstanding Chapter Award (OCA) and a financial aid of USD 250.
- Mousmi Ajay Chaurasia, Vice-Chair, IEEE Hyderabad Section has been appointed as 2025 MGA Membership Recruitment and Recovery Committee Chair.
- 15. IEEE sensor council, Hyderabad Section has been selected as the 2023 IEEE sensor council Outstanding Chapter award with a certificate and a prize money of USD 1000.
- 16. IEEE ComSoc Chapter, Hyderabad Section has been awarded with USD 1500 for 2024 membership recruitment and retention.
- 17. IEEE Hyderabad AP/MTT/EMC Joint Chapter has been honored with 2024 IEEE AP-S Outstanding Chapter Award (2nd place).
- 18. DrHarivardhigini Subhadra has been selected as top 20 ambassadors of IEEE PES Day 2024.
- 19. DrHarivardhigini Subhadra, SofiyaPriyadarshini and PA Harshavardhini have been selected as WIE Day ambassadors for 2024.
- 20. DrHarivardhigini Subhadra has been appointed as IEEE R10 WiP PES Coordinator.



Er. Biju G R, Associate Editor IKS NL

Kerala Section

Malabar Sub Section

Workshop on High Performance Computing

The IEEE Malabar Subsection organized a workshop on High Performance Computing, featuring expert sessions led by CDAC-AICTE HPC Master Trainers, Dr.BinjuSaju and Dr.Saijal K K. The event took place at GEC Kozhikode on 21 June 2024, from 9:30 AM to 4:30 PM. The workshop saw the participation of 13 attendees, including 4 IEEE members.

Online C programming session

The IEEE Malabar Subsection, in collaboration with IEEE SB VJEC and IEEE Malabar Hub, hosted an online C Programming session on 16 June 2024. Aimed at students preparing for the S2 C Programming exam, the session was led by Manu C. Madhu and included 143 participants. The interactive session covered all syllabus modules, allowing real-time queries and clarifications. Feedback indicated high satisfaction with the content and delivery.

Roadmap to Success in Engineering Studies



IEEE Malabar Subsection hosted the flagship event 'Roadmap to Success in Engineering Studies' on engineering careers and opportunities for higher secondary students on June 23, 2024 from 2:00 PM to 5:00 PM at Hotel Calicut Tower, Kozhikode. The session provided insights about different engineering streams, career opportunities, and performance strategies. Resource persons included Dr. Sameer SM (Professor, ECE Dept., NITC), Dr.Bijoy A Jose (Principal Consultant, PumexInfotech, Info park), P Rajeevan (District Employment Officer), and Sreelakshmi Ram B (Engineer, Tata Elxsi). 40 higher secondary students who are engineering aspirants attended the event.





Two-day workshop on data analytics: IEEE Malabar Subsection in collaboration with IEEE NITC SB and IEEE Computer Society SBC NITC, hosted a two-day workshop on data analytics on March 23,24 2024 at ECE Department Seminar Hall and Simulation Lab. The session was led by Vyasan J, a Google Certified Data Analytics Professional. 35 IEEE students members participated in the event.

Conference Activities Board

5th International Conference on Innovative Trends in Information Technology

(ICITIIT): The 5th International Conference on Innovative Trends in Information Technology (ICITIIT) on March 15-16, 2024, at the Indian Institute of Information Technology Kottayam, India with technical co-sponsorship from IEEE Kerala Section. The conference theme, "Green Artificial Intelligence for a Sustainable Future", emphasized the necessity of utilizing AI for environmental sustainability. Covering eight distinct tracks across various IT domains. the conference aimed to explore innovative trends and advancements. These tracks included Artificial Intelligence and Sustainable Technologies, Artificial Intelligence and Machine Learning Advancements, Data Science, Analytics, and Big Data Solutions, Cybersecurity. Privacy, and Ethical Computing, Internet of Things (IoT) Innovations and Smart Technologies, Distributed, Cloud, and Edge Computing Paradigms, Computer Vision and Human-Computer Interaction, and Frontiers of Natural Language Processing.

The conference received 445 paper submissions globally, including contributions from researchers, faculty, and industry professionals. Of these, 141 submissions were accepted, resulting in an acceptance rate of 31.6%. The inauguration of ICITIIT'24 on 15th March 2024 featured esteemed guests, including Prof. Dr. Vinod K. Singh, Chair Professor at IIT Kanpur & Chairman of the Governing Council at IACS Kolkata, as the Chief Guest, and Prof. V. Ramakrishnan, Former Director of IISER-TVM, as the Guest of Honor, who emphasized the importance of Green AI in their addresses. Dr. Varun G. Menon, Secretary of IEEE Kochi Subsection, represented IEEE Kerala Section during the inaugural function. Keynote speakers included Dr. Vaanathi Sundaresan from Assistant Professor, IISC

Bangalore, Dr. George Ghinea from Brunel University London, Dr. Rajkumar Buyya, Professor at The University of Melbourne, Australia, and Dr. Sanjay Saxena, Assistant Professor at IIIT Bhubaneswar. They shared insights on Al in medical imaging, Mulsemedia and IoT, and Neoteric Frontiers in Cloud, Edge, and Quantum Computing, respectively.

Special Interest Group on Humanitarian Technology



1. Empowering Women Through Training Programs

Special Interest Group on Humanitarian Technology (SIGHT) under IEEE Kerala Section, jointly with the Women in Engineering (WIE) Affinity Group, and Life Member Affinity Group (LMAG) under the Kerala Section, collaborated on a project aimed at empowering educated unemployed women/housewives through training programs conducted at multiple locations. The project aimed to achieve various benefits:

This program demonstrates a remarkable approach to women's empowerment and green energy promotion. By building on the pilot's success and addressing initial challenges, the initiative has the potential to create a significant positive impact in Kerala, empowering women, fostering local businesses, and promoting a greener future.

- Enhanced Manpower Utilization: The collaboration facilitated efficient sharing of manpower resources among smaller organizational units (OUs), resulting in more successful outcomes for the numerous activities within the IFFF Kerala Section
- Student Involvement and Mentorship: Student Branches and Young Professionals (YPs) from different institutions were actively engaged and mentored to become proficient volunteers capable of independently managing subsequent events.
- Cost Optimization: By pooling resources and sharing expenses, the total financial burden for each OU was minimized, allowing for cost-effective execution of the training programs.
- 4. Holistic Planning: Activities were strategically

- planned to maximize benefits while remaining aligned with IEEE objectives, ensuring a focused approach towards achieving the desired outcomes.
- Facilitating Replication: The collaborative approach made replication of similar initiatives easier, faster, and more economical, thereby extending the project's impact to a wider audience.

The flagship activity, "Women Empowerment through Green Energy Promotion," focused on training educated unemployed women (housewives) in assembling LED bulbs and tubes. Additionally, participants were guided in establishing microenterprises around their homes, promoting green energy, and advocating energy conservation in their communities.



Attentive Group of Women at Kollam



Trainees receive certificates from Prof. Bijuna Kunju (Vice Chair, IEEE-K) after



Trainees with the Trainers at SCT College Laboratory Trivandrum Successfully Completing the training



Trainees learn how to work in an Electrical Laboratory



10 Kudumbasree Volunteers (women) ready to learn

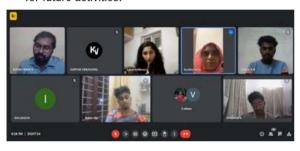
1. Online Meeting of IEEE Kerala Section SIGHT

Date:25 February 2023 Venue: Online

The first online meeting of the IEEE SIGHT Kerala Section was convened on February 25, 2023. Chaired by Sunitha Haris, the meeting aimed to introduce the newly elected executive committee members, discuss upcoming activities, and solicit opinions and ideas from the team The meeting commenced with

brief self-introductions by the executive committee members. Each member shared their name, role within the committee, and a brief overview of their background and interests. Following the introductions, the team engaged in a productive discussion regarding new activities for the IEEE SIGHT Kerala Section. Members shared their suggestions and ideas, ranging from community outreach programs to educational initiatives. The planning for the upcoming

Annual General Meeting (AGM) was a significant agenda item. The team deliberated on the agenda, venue options and logistical arrangements. The meeting concluded with a discussion on potential projects to be undertaken by the IEEE SIGHT Kerala Section. Various ideas were proposed, ranging from sustainability projects to technology-driven solutions for societal challenges. The first online meeting of the IEEE SIGHT Kerala Section served as an excellent platform for the newly formed executive committee to come together, exchange ideas, and chart a course for future activities.



2. POWERCONNECT

Start Date & Time: 02/03/2024 9:00 AM End Date & Time: 03/03/2024 3:00 AM

Overview:

PowerConnect+ was a 2-day program aimed at immersing students in the world of Power Electronics, hosted by Amal Jyothi college of Engineering in collaboration with IEEE SIGHT KS, made possible by a grant of \$1250 from IEEE PES MDI 2023. The program featured expert guidance from ISRO, IITs, and IEEE PES. A total of 50 participants ,34 IEEE members and 16 non-IEEE members.

Inauguration Ceremony:

The event commenced with an inauguration ceremony at 9:00 am on the first day. Dr. Bijuna Kunju K, Vicechair of IEEE Kerala Section, inaugurated the event. Other distinguished guests included Dr. Lillykutty Jacob, Principal, AJCE, Mr. Abhinav Rajeev, Research Fellow, IIT Palakkad, Prof. Sunitha Beevi, Chair, IEEE SIGHT Kerala

Section, K M Abubeker, Advisor, IEEE SIGHT AJCE and Indu Reena Varughese, Branch counselor, IEEE SB AJCE.

Workshops and Sessions:

Navigating Space

Speaker: Mr. Shibu Mathew, Division Head, ISRO

Workshop Agenda: An exploration of electric propulsion in space missions with a focus on electric propulsion, including interactive discussions, case studies, and Q&A sessions.

Illuminate Hope

Speaker: Mr. Abhinav Rajeev

Workshop Agenda: Introduction to LEDs and handson session on assembling inverted LEDs, with the assembled LEDs being distributed to areas experiencing frequent power cuts.

Empower from Within

Speaker: Prof. Sunitha Beevi

Workshop Agenda: A session on women's empowerment, covering key issues facing women today and strategies for empowerment.

Powering Careers

Speaker: Mr. Nithin V

Workshop Agenda: An immersive workshop for professionals in the power and energy sector, including keynote speeches, panel discussions, breakout sessions, and networking opportunities.

ElectroniCast

Event: A competition where participants pitched innovative ideas, with the winning team awarded a prize money of 3000 rs.

Cultural Night

Event: A celebration of diversity through art, music, and traditions.

Riddle Retreat

Event: An exhilarating escape room game where

participants unraveled puzzles and deciphered clues for an unforgettable adventure.









MACE colleges, who were honored with the Upcoming SIGHT SB Awards. Furthermore, GECW and CEA clinched the Inspiring SIGHT Group Awards for their commendable initiatives in promoting social welfare through technological innovation.

Prof. Sunitha Beevi K, Chair of IEEE SIGHT Kerala Section, and Mr. Abhinav R, Secretary of IEEE SIGHT Kerala section, played instrumental roles in organizing and facilitating the event, contributing to its vibrancy and

success.

The Annual General Meeting served as a platform to recognize and applaud the impactful endeavors of individuals and institutions committed to advancing humanitarian causes through technology. It underscored the significance of collaboration and innovation in addressing societal challenges and fostering positive change.







Robotics & Automation Society

Drone Bootcamp 5.0

A collaborative effort centered around drone technology and its allied fields, the Boot Camp on Allied Technologies

for Drones was a joint initiative organized by the IEEE RAS Kerala Chapter, MeitY, NIELIT, LINK of IKS, and Kerala Knowledge Economy Mission (KKEM). Featured an esteemed panel of experts from industry, academia, and research and development (R&D).







BOOT CAMPS ON ALLIED TECHNOLOGIES FOR DRONES (21st to 25th February 2024)



Capacity Building for Human Resource Development in Unmanned Aircraft System (Drone and related Technology) Venue: KMCT College of Engineering Calicut





BOOTCAMP 1

KMCT College of Engineering, Calicut.

With a participation of 95 students, the boot camp facilitated valuable networking opportunities and explored diverse drone applications from aerial photography to emergency response. It also emphasized continuous learning and adherence to safety and ethical standards. Participants gained practical skills in drone piloting, data analytics, A/ML, and image processing.

Key takeaways included insights into Al/ML integration, regulatory frameworks, and responsible drone operations. Attendees left with a comprehensive understanding of drone fundamentals, practical piloting skills, and a good knowledge on the evolving drone industry, positioning them for success in this rapidly growing field.

Life Member Affinity Group

Kerala Section Bags Triple Crowns for Vibrancy of Life Member Activities

Global Life Member Committee (LMC under MGA) picked Kerala Section LMAG. For IEEE Outstanding LMAG Achievement Award 2024

"For Outstanding Outreach and Engagement with Life Members, Collaborators, and Stakeholders, fostering a Network for Impactful programs across. IEEE Kerala (India) Section." The Presentation Ceremony is scheduled for 12 June 2025 at the 2nd Global LMAG Conference in Boston, MA, USA.

Award Amount: US\$ 2,000

2024 IEEE LMC Global Award for Outstanding Life Member Individual Service and 2024 IEEE Region–10 Award for Outstanding Life Member Individual Service are bestowed on V K Damodaran (IEEE 04119145) vkd@ieee.org Section: Kerala, India

"For Visionary Leadership in Advancing Education, Skill Development, Humanitarian Technologies, and Promoting Climate Resilience and Sustainability." The Presentation Ceremony is to be decided on venue and date in 2024

Award Amount from R-10: US\$ 500

Two Memorable International Day Celebrations 12 May 2024: World Day of Climate Protection

The 'World Day of Climate Protection' was observed in Trivandrum jointly by the Trivandrum Chapter of the Russian Geographical Society and IEEE LMAG Kerala at SP Grand Days, Trivandrum, on 12th May, starting from 5.30 pm. The event, which was attended by leaders of various cultural and social organizations, scientists, and the public, was inaugurated by Former Indian Ambassador Mr. T P Sreenivasan and addressed by Mr. Mikhail Antsiferov, Attache, Russian Embassy, New Delhi, among other leading academicians and scientists. Prof. V K Damodaran, Chair, IEEE LMAG delivered the Keynote address at this Seminar.

05 June 2024: World Environment Day

LMAG-K, in association with the Govt, of India Regional Science Centre & Planetarium in Kozhikode and the Society for Protection of Environment Kerala (SPEK). organized the 2024 World Environment Day with the theme 'Land Restoration, Desertification, and Drought Resilience", participated by 160 students and teacher trainees from over 16 educational institutions at the Science Centre Auditorium at Kozhikode. The event, with an inaugural session addressed by Section Chair Prof. Kasim, among others, was inaugurated by LMAG Chair Prof. VKD with the keynote presentation. An Open Forum with 5 experts, including the Malabar Sub Section Chair. Dr. Mrs. T Bindima, as panelists, generated enthusiastic participation from the delegates. World Environment Day Quiz for the 12 invited student teams, through a twostage selection process, had 6 teams locking horns at the final guiz conducted by a student guiz team from the Malabar Christian College, Calicut. Winners were issued with certificates, plagues, and prize money by LMAG, All Participants were given free entry to the Environmentrelated Planetarium show and could visit the Science Centre exhibition stalls in the afternoon. All were served refreshments.

Five Women Empowerment Programs in 3 Months

LMAG organized 5 Training programs on Assembling LED Lamps as "Women Empowerment through Green Energy

Promotion," jointly with YWCA Alappuzha, Thodupuzha, Ernakulam, Thrissur, and Kottayam, as well as Energy Management Centre-Kerala, Green Energy Forum, IEEE Student Branches of CUSAT Kochi, and Govt. Engineering College, Thrissur; WIE Kerala; and SIGHT Kerala. Equipment and tools required for starting production units for groups of 5 women were also gifted to the trainee groups. 64 women in 13 groups and 29 female students in 6 groups from the respective hosting colleges were trained successfully. Certificates were also issued by IEEE. St. Joseph's Women's College Alappuzha, Newman College Thodupuzha, Cochin University Kalamassery, and Government Engineering College Thrissur were the hosting colleges.

49/99 Events Done

In 2023, LMAG Kerala was globally outstanding, with 85 events to its credit. The target for 2024 is 99. With the most active four months (August – November) still to go, the events reported this year so far are 49. More LMs and other associates have already met and vouched for getting Kerala LMAG on to the target and beyond.







Education Society

Protalks Series Episode. 02

Date: April 4, 2024

Time: 8:00 pm

Venue: Google Meet

Participants: 30 | IEEE Members

The second episode of the Pro-Talks series was held on the 4th of April, 2024 from 8 pm via Google Meet. Dr. Valsa B., a distinguished scientist and former Deputy Director of Systems Reliability at VSSC Trivandrum, led the engaging session on Indian Space Research - a brief insight and its career opportunities.

Dr. Valsa commenced the session with a brief introduction to the evolution of the Indian Space Research Organization. The session then continued into the details of the Launch vehicles' evolution, designs, and missions that ISRO has endeavored for in the past years. The audience got an opportunity to gain insight into the most anticipated technology - space transportation and its current advancements.

The session further provided an effective platform for the participants to get into depth about the plentiful opportunities available in the field of Space Research and how students could kick start their learning to avail of the same. She concluded the session with a summary and wished the participants a bright future ahead.

he session concluded with Dr K Kesavaswamy expressing his thoughts and appreciation about the session as to how impactful it was for attendees, both professionals and students. This was followed by a vote of thanks and a presentation of a memento to Dr. Valsa as a token of appreciation and gratitude for yet another eventful episode.



Educational Activities

Webinar on Engineering Applications of Fuzzy Logic

A Webinar on Engineering Applications of Fuzzy Logic was organized jointly by Educational Activities, Kerala Section and IEEE Student Branch, KMCT College of Engineering, Kozhikode on 6th March 2024. The session was handled by Dr KM Arun Neelimegham, Assistant Professor, Department of Electrical and Electronics Engineering, NIT Calicut. The webinar have given insightful thought on the vast application of fuzzy logic in engineering and how this versatile tool enhances decision-making in uncertain environments and revolutionizes problem-solving across

various industries. There were a total 45 registrants who have attended the talk





Volunteer Induction Program Powered by TRY Engineering

An interactive session on TryEngineering Products & Resoursces for Volunteers were organized jointly by Educational Activities Committee, IEEE Kerala Section and STEM Champion as part of Volunteer Induction Program

on 6th April 2024. The session was handled by Mr. Stamatis Dragoumanos, Chair, IEEE EAB Pre-University Education Coordination Committee

Celebration of IEEE Education Week

IEEE Education Week was celebrated by Educational Activities, IEEE Kerala Section in association with IEEE Malabar Subsection on 17/04/2024. The program was



an initiated as part of Celebration of IEEE Education Week (April 14-20, 2024) by Region 10. The theme for this event was Cyber Savvy/Sustainability (Waste Management). An online talk on the topic Emerging Threat Landscape in Cyber World and its Impact in society was conducted and the session was handled by Dr. Hiran V Nath, Assistant Professor, Dept. of Computer Science & Engineering, NIT Calicut. The objective of this session is to empower students, academicians, and educators with the knowledge and skills needed to navigate the digital world safely and responsibly while raising awareness about cyber-security threats and sustainability (Waste management) concerns to work in line with Industry 5.0.

Industrial Applications/Industrial Electronics/Power Electronics Society Jt. Chapter

Take Off

The IEEE IA/IE/PELS Joint Chapter Kerala orchestrated a trilogy of technical talk sessions under the EA initiative. Supported by a \$400 grant, these sessions were held in partnership with multiple IEEE Student Branch Chapters across diverse hubs. Each session delved into a specific technical theme pertinent to its corresponding hub.



Session Details

Session 1: Kochi Hub

Date and Time: 13th April 2024, 7:00 PM - 9:00 PM

Topic: Design Perspectives on Mechatronics

Speaker: Mr. Ribin Mathew, Founder and CEO of Anscer

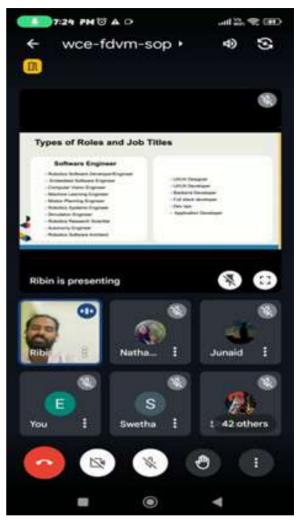
Robotics

Collaborating IEEE SBCs:

- IEEE IES SBC SAHRDAYA
- IEEE IE/PELS SBC CE MUNNAR
- IEEE IAS SBC CE KIDANGOOR
- IFFF PFI S SBC CHRIST
- IEEE IAS SBC MBCCET

In the inaugural session tailored for the Kochi hub, Ribin Mathew presented a technical discourse on mechatronics design. Emphasizing inventive design methodologies, the session highlighted the fusion of mechanical, electronic, and software engineering for developing sophisticated mechatronic systems. Participants gleaned practical insights into industry applications and forthcoming advancements in this domain.





Power Engineering Society

- 1) Talk Session on IEEE PES Kerala Chapter
- Date: 16 Apr 2024 Time: 11:30 AM to 12:00 PM Speaker: Er Hari Kumar K P, Assistant Executive Engineer, KSEBL Secretary PES Kerala Chapter

A talk session on the "IEEE PES Kerala Chapter" as part of Annual General Meeting of IEEE student branch of NCERC, Nila Gardens, Pampady, Thiruvilwamala, Thrissur was given by Er. Hari Kumar K P, Secretary PES Kerala Chapter. In his talk Engineer Er. Hari Kumar highlighted the

significant number of PES members at NCERC in Kerala, and discussed about the IEEE PES Kerala chapter and the activities conducted by them. The event was attended by around 45 persons from the college including teachers and students. During the speech he congratulated NCERC for being selected hosts for the upcoming AKPESSC'24 and recognized Mr. Abhishek PES student member for his continuous role as a webmaster for PES Kerala chapter. He congragulated Swathi student of NCERC

for being selected as a member of PES SLT for 2024. He outlined about the strengths of PES Kerala Chapter give a glimpse of PES Kerala chapter activities in 2024, including training and humanitarian programs and reviewed activities conducted in 2023. The event was attended by Prof Mohammed Kasim, Chair IEEE Kerala section, Smt Mini Ulanat past Chair IEEE Kerala section and Smt Sobha Manakkal Vice Chair PES Kerala Chapter and other dignitaries.



YP News

Photonics Society

Celebration of International Day of Light by IEEE Photonics Society at VISAT Engineering College

On May 16, 2024, Visat Engineering College came alive with vibrant celebrations for the International Day of Light. This event, a collaborative effort between the IEEE Photonics Society of VISAT Engineering College and the IEEE Photonics Society Kerala Chapter, showcased the marvels of photonics technology and its impact on our world. The day was marked by engaging activities, enlightening lectures, and interactive demonstrations, all designed to inspire and educate attendees about the transformative power of light-based technologies. The celebration not only highlighted the advancements in photonics but also fostered a spirit of innovation and collaboration among students, faculty, and professionals. It was a day of learning, inspiration, and connection, truly embodying the essence of the International Day of Light.

It provided a platform for networking, idea exchange, and

potential collaborations, encouraging a vibrant community of learners and innovators. The day was truly one of learning, inspiration, and connection, embodying the essence of the International Day of Light and reinforcing the importance of light-based technologies in advancing scientific understanding and improving the quality of life globally.

Robotics & Automation Society

1.Membership Development Session: On April 24, 2024, the IEEE Robotics and Automation Society (RAS) Kerala Chapter, in collaboration with IEEE SB GECK, conducted a membership development session for students at Government Engineering College, Kozhikode via Gmeet. The session was led by Amrita Jiju, the Student Representative for the Kerala Chapter, and aimed to introduce students to the benefits of joining IEEE RAS and encourage membership. Ms. Jiju likely discussed various resources and opportunities available to IEEE RAS members, such as access to scholarly publications, discounted rates for conferences and workshops, networking opportunities with professionals in the field,



and participation in IEEE RAS activities and programs. The session also likely covered the different membership categories and the process for joining IEEE RAS, raising awareness and encouraging students at Government Engineering College, Kozhikode to join the society.



2. Introduction To RAS

On April 26, 2024, the IEEE Robotics and Automation Society (RAS) Kerala Chapter, in collaboration with IEEE SB SIET, conducted an online membership development session for students at Adi Shankara Institute of Engineering and Technology via Gmeet. Led by Amrita



Jiiu, the Student Representative for the Kerala Chapter. the session aimed to introduce students to the numerous advantages of joining IEEE RAS. Ms. Jiju likely provided an in-depth explanation of the valuable resources and opportunities the society offers, such as access to a comprehensive collection of scholarly publications, reduced registration fees for conferences and workshops. networking opportunities with professionals in robotics and automation, and participation in IEEE RAS programs and activities. The session also likely covered different membership categories, including student memberships, and the process for joining IEEE RAS. The session aimed to raise awareness among students at Adi Shankara Institute of Engineering and Technology about IEEE RAS and encourage them to join the society to benefit from its professional development resources and networking opportunities.

3. Blogging Competition

On April 17, 2024, the IEEE Robotics and Automation Society (RAS) Kerala Chapter, in collaboration with the IEEE RAS Student Branch Chapter (SBC) at Rajiv Gandhi Institute of Technology, Kottayam (RIT), orchestrated a compelling blogging competition as part of their Robo Week festivities. The competition, centred on the theme "Imagining the Impact of Robots Replacing Humans





in Workplaces: Exploring the Future of Employment and Society," aimed to ignite profound reflections and discussions on the potential consequences of advanced Al and robotics on the fabric of society. The competition attracted a remarkable array of participants, including bloggers, scholars, and enthusiasts, all eager to contribute their perspectives to this timely and complex discourse. Participants engaged with the theme from various angles, offering insightful analyses, speculative narratives, and ethical considerations, enriching the conversation with their diverse viewpoints. With a prize pool of Rs. 500 allocated to recognize exceptional creativity, depth of analysis, and clarity of expression, the competition culminated in the announcement of deserving winners. Alwin Reju from RIT claimed the prestigious first prize, followed by Ashna S from TKM securing the second prize, and Sabari Vijayan from RIT clinching the third prize. Each winner was lauded for their thought-provoking interpretations, innovative approaches, and compelling narratives, which added significant depth and nuance to the ongoing discourse on the future of employment and society in the era of automation.

Signal Processing Society

SIGMA

SIGMA, held on April 13-14, 2024, at Mar Athanasius College of Engineering, was a dynamic two-day event that blended knowledge exchange, practical learning, and engaging activities. It offered attendees significant opportunities for personal and professional growth while strengthening the signal processing community. Before









the event, participants took part in online competitions like KeyRush, ByteBlitz, and TalkBot Tales, setting an exciting and competitive tone.

Vehicular Technology Society

The IEEE Vehicular Technology Society Kerala Chapter



started the second quarter with an electrifying online quiz competition on EVs and Electric mobility on 20th April 2024 at 8.00 pm via Google Meet. The outstanding winners of VOLTQUEST conducted by IEEE VTS Kerala Chapter were Fayiz Muhhamed S of Muthoot Institute of Technology and Science, Ernakulam securing first place, Anand Sekhar P C of NSS College of Engineering, Palakad securing second place and Najaha Sherin of Government Engineering College, Idukki securing third place. It was a truly a impressive knowledge event on Electric mobility and generated passion for sustainability on the student community.

The second quarter was a truly a historic moment for the IEEE VTS Kerala Chapter. The first set of appreciation came in the form on winning The Silver Award for Naeema Ziyad, student of Mar Athanasius College of Engineering for the story telling competition by IEEE VTS. She received an amount of \$500 for the story "Tales of Tomorrow".

Communications Society

Over the past quarter, the IEEE ComSoc Kerala Chapter has actively engaged in a variety of events aimed at fostering growth and participation among our student members and volunteers.

Quizophile Quiz Competition

To commemorate World Telecommunication and Information Society Day, we hosted the Quizophile quiz competition on May 17, 2024. This engaging event, conducted on the Quizz platform, challenged participants with 25 questions to be answered within a 10-minute timeframe. Over 30 enthusiastic participants joined, adhering to strict guidelines that prohibited the use of phones or notes. We are proud to announce that Midhun Saji from Christ University secured the first prize, and Sabin K Santhosh from the College of Engineering Kidangoor earned the second prize.

International Women's Day Celebration

In celebration of International Women's Day, the IEEE ComSoc Kerala Chapter organized several meaningful events. The SHE HACK idea pitching competition focused on addressing the critical issue of Cyber-bullying against women. Teams from the College of Engineering

Trivandrum and the College of Engineering Kidangoor showcased their innovative solutions, winning first and second places respectively. We are incredibly proud of their contributions to this pressing social issue.

Control Systems Society

The formation of the IEEE Control Systems Society (CSS) Chapter under the IEEE Kerala Section was officially approved on April 9th, 2024. This new chapter aims to establish a dedicated community within the region focused on advancing knowledge and expertise in control systems. It will provide a platform for professionals, researchers, students, and enthusiasts to collaborate, exchange ideas, and stay informed about the latest advancements in control systems engineering. The chapter will cater to its members' needs by offering opportunities for networking, professional and student development, and access to resources tailored to the specific interests and challenges faced by individuals or groups involved in control systems across Kerala.

Following members were elected to executive committee of the IEEE CSS chapter under Kerala Section:

Chair	Dr. Shihabudheen K V
Vice Chair	Dr. Lal Priya PS
Secretary	Dr.Ranjith Ravindranathan Nair
Treasurer	Dr. Shankar Nalinakshan
Membership Development Coordinator	Dr. K M Arun Neelimegham
Students Activity Coordinator	Dr. Rakesh R Warier

Mentors:

- 1) Dr. N.Selvaganesan, Professor, IIST Trivandrum
- 2) Dr. Mija S J, Associate Professor, NIT Calicut





Reported by Dr. Chandi Pani Chair. NL

Kolkata Section

CESC Milestone Lecture

IEEE Kolkata Section organized the 2nd CESC Milestone Lecture on 27th April, 2024 at Dr. H.L. Roy Auditorium of The Institute of Chemical Engineers, Jadavpur University Campus.

The Theme of the lecture was 'Sustainable Solutions in Power Generation – Role of Generating Companies' and the speakers for the sessions were Mr. S. Suresh Kumar, IAS, Chairman DVC Ltd., and Mr. Snehasis Samaddar, Executive Director (Generation), CESC Limited.

The event started with Prof. Suparna Kar Chowdhury, Chairperson of IEEE Kolkata Section delivering the welcome address and felicitating the Chief Guest, Guest of Honour and other dignitaries like the Vice Chancellor and Pro Vice Chancellor of Jadavpur University. In her address, she dwelt on the role of CESC in ushering in the era of commercial power Generation & Distribution in the Indian Subcontinent.

Mr. S. Suresh Kumar IAS, Chairman DVC and Chief Guest of the program spoke at length on various sustainable measures being adopted worldwide by Independent Power Producers (IPP) and the results that are expected from these measures. The session was chaired by Prof. Nirmalendu Chatterjee, Past Chair of IEEE Kolkata Section.

Mr. Snehasis Samaddar, Executive Director (Generation), CESC Limited, spoke on the various measures adopted by CESC to improve the environment parameters and

zero effluent discharges from the generating stations. Prof. Samiran Choudhuri Past President of The Institution of India chaired the session.

High profile dignitaries like Member-Secretary and Additional Secretary from DVC, Director Generation and Chief Engineer Generation from WBSEDCL and Sr. Vice President from CESC Ltd were present in the audience.







Glimpse of CESC Milestone Lecture

Industry Visit cum Excursion

Department of Computer Application of Techno International Newtown and IEEE Young Professionals, Kolkata Section jointly organized an Industry Visit cum Excursion at the Times of India Office, Saltlake, Kolkata on 6th April, 2024. Around 59 participants including 4 IEEE members joined the event. Participants are mostly students and faculties of Techno International Newtown, Kolkata. The participants had the incredible opportunity to witness the first-hand inner workings of one of the leading media organizations in the country. The representatives of the Times of India, Saltlake provided invaluable insights into the world of media and technology. Total 59 students participated in this event.

Industry Visit cum Excursion at Times of India Office, Salt Lake

Workshop on Full Stack Web Development

Department of Computer Application of Techno

International Newtown organized a Workshop on Full Stack Web Development at Techno International New Town, Kolkata on 16th April, 2024. Around 45 participants including 4 IEEE members joined the event. Participants are mostly students of Techno International Newtown, Kolkata. This workshop was an enriching experience, covering the ins and outs of Full Stack Development to enhance skills and knowledge in the field. The workshop is technically sponsored by IEEE Young Professionals, Kolkata Section, adding even more value to this fantastic learning opportunity. A total of 45 students participated in this program.

Workshop on Full Stack Web Development at Techno International Newtown

Workshop on REACT & Node JS

Department of Computer Application of Techno International Newtown organized a Workshop on REACT & Node JS at Techno International New Town, Kolkata on 23rd April, 2024. Around 38 participants including 4 IEEE members joined the event. Participants are mostly



students of Techno International Newtown, Kolkata. This workshop was an enriching experience, covering the ins and outs of REACT & Node JS to enhance skills and knowledge in the field. The workshop is technically sponsored by IEEE Young Professionals, Kolkata Section. Total 38 students participated in the program.

Workshop on REACT & Node JS at Techno International Newtown

Technical Lecture Program

Department of Electrical Engineering, Cooch Behar Government Engineering College and IEEE Young Professionals. Kolkata Section jointly organized a Technical Lecture Program at Seminar Hall-1 of Cooch Behar Government Engineering College on 30th April, 2024. The title of the talk was "Evolutional Changes in Electrical Engineering.". The talk was delivered by Prof. Sujit Kumar Biswas, Former Professor of, Electrical Engineering Department, Jadavpur University. Around 65 participants including 5 IEEE members joined the event. Participants are mostly students and faculties of Cooch Behar Government Engineering College. The talk addresses the development of electrical engineering from the very beginning to the latest innovations. The event was very much interactive. This session was chaired by Dr. Prabal Deb, Principal, Cooch Behar Govt. Engg. College.







A total 65 participants participated in the program.

Prof. Sujit Kumar Biswas addressing at the Technical Lecture Program at CGEC

Technical Lecture Program & IEEE Awareness Program

Department of Computer Science & Engineering, Ramkrishna Mahato Government Engineering College, Purulia and IEEE Young Professionals, Kolkata Section jointly organized a Technical Lecture Program and IEEE awareness program at CSE Seminar Hall of RKMGEC College on 7th May, 2024. The title of the technical talk was "Introduction to Soft Computing and its Research Perspectives". The talk was delivered by Dr. Sudip Kumar

Adhikari, Assistant Professor, Department of CSE, Cooch Behar Govt. Engg. College. Around 48 participants including 5 IEEE members joined the event. Participants are mostly students and faculties of RKMGEC College. The talk addresses the introduction to soft computing and its applications in various fields of research. Dr. Adhikari who is also the chairperson of IEEE YP, Kolkata Section, took another session for IEEE awareness program. The talk inspired the students to form a local student chapter of IEEE at RKMGEC, Purulia. Total 48 participants participated in the program.

IEEE Awareness & Technical Lecture at RKMGEC, Purulia



Virtual Talk on "Job Opportunities in the Semiconductor Industry"

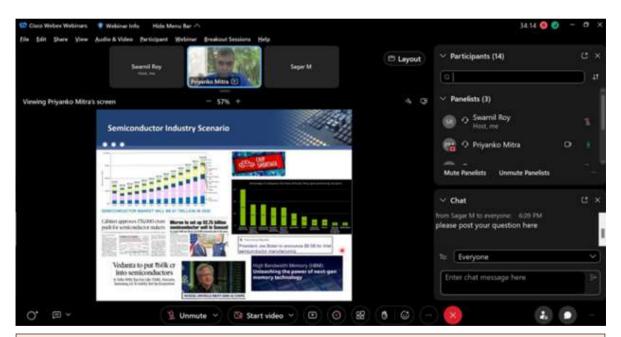
IEEE SSCS Kolkata Chapter has successfully organized a Virtual Talk on "Job Opportunities in the Semiconductor Industry" on 18th May, 2024, Saturday. Mr. Priyanko Mitra, Senior Manager, Memory Technology, Western Digital delivered the lecture on "Job Opportunities in the Semiconductor Industry". The Event was held virtually on WebEx platform from 6:00 PM (IST) in virtual mode.

Semiconductors are an integral part of every aspect of life today, and new products and ideas are emerging at lightning speed! Naturally, there is a plethora of opportunities available for interested candidates to address the requirements of the semiconductor industry,

which is extremely diverse, multi-disciplinary, and dynamic.

This talk covered the different stages of semiconductor product development, the roles and responsibilities involved, the skill sets needed, with real-life examples of some day-to-day tasks. It should help the students make an educated choice when entering the industry, assist the faculty and policymakers in making the curriculum more industry-friendly, and even aid professionals in planning their subsequent careers. Mr. Mitra answered all the queries from the participants after the talk. IEEE SSCS Kolkata chapter will organize more such events in the future. Total of 14 participants preset in this session.

Virtual Talk on "Job Opportunities in the Semiconductor Industry



IEEE CATCON 2024

November 22-24, 2024 Organized by Kolkata Section



Dr. K. Porkumaran Section Chair

Madras Section

"Robothon - Robotics Competition"

IEEE Madras Section in association with IEEE Madras Section Student Activity Committee and IEEE Madras Section Young Professionals hosted "Stage 1 of IEEE R10 Robotics Competition 2024" on 27th April 2024, at Sri Sairam Engineering College, Chennai. The event aimed to showcase innovative ideas and solutions in the field of robotics, bringing together participants from diverse backgrounds to compete and collaborate. The event was also financially supported by IEEE Madras Section TEM Society. The event began with a warm welcome to all registered participants, acknowledging their enthusiasm and commitment to the competition. Registrations opened at 9:00 am, followed by the official inauguration ceremony at 10:00 am. The schedule was

meticulously planned to ensure a smooth flow of activities throughout the day. Dr. Brindha, Chairperson of IEEE Madras Section Student Activities Committee presented a warm welcome to the participants and quests.

Followed by Inauguration talk by the special guest, Mr. Prasanna Venkatesh Balasubramanian, Solution Architect ERS at HCL Technologies. Mr Prasanna explained the importance of robots and its sustainability along with adaptability. His talk was very informative and inspiring to students as he explained very complex terms in very simple concepts in layman's terms. Followed by the inauguration talk, Mr. M Arun felicitated the Special guest with a token of appreciation from the heart of the coordinating team.



After a 10 min refreshment break, we started the evaluation round. A total of 18 teams were evaluated on the day. Analyzing the team, they were of different sizes, from single membered team to duo, triple and quadruple membered teams. There were a total of 50 plus students ready with their idea and/or robot to show the demo.

We had an expert range of Judges Panel:

Mr. Krishnaraj has an impressive educational background, holding a Bachelor's degree and a Master's degree in Mechanical Engineering, with a specialization in Design of Transmission Systems, CAD, CAM, Robotics, and Engineering Graphics. He is currently pursuing his Ph.D. at Anna University, Chennai. With over 16 years of teaching experience, he has not only imparted knowledge to countless students but also has extensive handson experience with over 6 years dedicated to All Terrain Vehicle Fabrication. His expertise is both theoretical and practical, making him an invaluable asset to the academic community.





Beyond his teaching and research roles, Mr. Krishnaraj has been actively involved in significant research projects, including a DST-funded project. He also played a key role in a program on Lathe Operation under the Pradhan Mantri Kaushal Vikas Yojna by Technical Institutions during the 2018-19 session. His academic

achievements are further highlighted by his contributions to numerous publications in peer-reviewed and indexed journals.

Mr. Sam Austin J, who currently serves as a Senior R&D Engineer at Sri Sairam Techno Incubator Foundation. Mr. Sam Austin J has a strong background in research and development, with a focus on technology innovation and incubation. In his role at Sri Sairam Techno Incubator Foundation, he contributes to the growth of innovative startups and provides critical support to burgeoning technology projects. His expertise lies in guiding young entrepreneurs and researchers in transforming their ideas into viable products and services.

Mr. Gowtham Parasuraman is an accomplished robotics engineer with a robust background in developing and implementing advanced robotics systems. At ATUMX Pvt Ltd, he plays a crucial role in designing innovative robotic solutions, ensuring they meet the highest standards of technology and efficiency. His work spans various aspects of robotics, including automation, machine learning, and system integration. Throughout his career, Mr. Gowtham Parasuraman has gained extensive experience in creating intelligent robotic systems that drive productivity and transform industries.

In the closing ceremony, Dr. K. Porkumaran, Chairman of IEEE Madras Section and Dr. S.Radha, Treasurer of IEEE Madras Section joined us and shared a memorable speech. Then winners were announced, photos were taken and the certificates were distributed. Finally, the event ended with thanking all the participants and volunteers for their presence. The speakers were felicitated with memorandums. The participants were able to gain more knowledge on IEEE and had a great chance to expand their networking.

"MASYPRENEUR Event"

The MASYPRENEUR event was organized by the IEEE Madras Section, IEEE Young Professionals, and IEEE MAS Industrial Committee, in partnership with Tamilpreneur, was a resounding success held on 6th April, 2024, at Rajalakshmi Engineering College. The inauguration ceremony was graced by Dr. K. Porkumaran, Chairman of the IEEE Madras Section, who officially opened the event followed by Dr. S. N. Murugesan, Principal, Rajalakshmi Engineering College delivered the special note. The most brilliant minds in the business came together for this extravaganza of entrepreneurship, which included keynote speeches from Mr Elanchezhiyan Raghavan, founder and CEO



of SocialZog, Mr Vasudevan Karthikeyan, co-founder and CEO of Magic 20 Tamil, and Mr Shyam Siddharth, founder and CEO of Tamilpreneur. Dr. Joseph Gladwin, Vice Chair, IEEE Madras Section – Industry has supported and mentored the event.

A host of advantages targeted at fostering their entrepreneurial journeys were made available to the start-ups that were chosen for membership in IEEE. A notable highlight was the talk on IEEE with entrepreneurs given by Mr Arun, Chairperson of IEEE Young Professionals, who provided valuable insights into the role of IEEE in supporting entrepreneurial endeavours. One of the most significant perks of this membership was the opportunity to network with a vast community of over 1700 entrepreneurs. This network created a welcoming community for aspiring business owners by offering a rich setting for cooperation, knowledge sharing, and possible partnerships.



The event concluded with a heartfelt vote of thanks delivered by Mr. Ashvanth B, Vice Chairperson of IEEE Young Professionals, expressing gratitude to all speakers, participants, and organizers for their contributions to making MASYPRENEUR a monumental success. The MASYPRENEUR event effectively produced a dynamic stage on which young entrepreneurs could present their concepts and obtain priceless assistance.

"2024 IEEE Industry Day and Industry Round Table Conference"

On 16.04.24, the IEEE Industry Day and Industry Round Table

Conference, organized in collaboration with the IEEE Madras Section, IEEE R10 Asia Pacific Adhoc Industry Engagement and Round Table Committee, IEEE Madras Young Professionals, and IEEE Madras Section Industrial Committee, convened at the Society for Electronic Transaction Society, Ministry of Electronics and IT, GOL, Taramani, Chennai. The proceedings commenced with a tribute to Tamil thailvaluthu, followed by an insightful presentation on the Code of Ethics by Mr. Aravindhan Anbazhagan, the Past IEEE Young Professionals Chair of the Madras Section.

The event commenced with a warm welcome from Dr. Porkumaran K, who greeted esteemed guests like Dr. Bernard Lim and keynote speakers from various domains. Gratitude was expressed to the diligent committee members for their tireless efforts behind the scenes. Dr. Bernard Lim, in return, honored Dr. Porkumaran K., Chair of the IEEE Madras Section, with a token of appreciation for his distinguished service to the IEEE community. Subsequently, Dr. Bernard Lim delivered his welcome address, expressing gratitude to the IEEE Madras Section for the invitation to this prestigious event. He captivated the audience with insights into his area of expertise, presenting on the topic "Innovation Unleashed: Exploring Industry Trends Shaping Tomorrow." Following his enlightening presentation, Dr. Porkumaran K extended his acknowledgment by felicitating Dr. Bernard Lim.

The IEEE Industry Day and Round Table Conference commenced with great honour, featuring the inaugural address delivered by the distinguished Prof. Lance FUNG, IEEE R10 Director, who provided valuable insights into the trends shaping tomorrow.

The panel discussion commenced with Dr. Bala Prasanna, a distinguished IT Programme/Project Manager and National Speaker for IEEE, captivating the audience with his keynote address, which transcended mere presentation to become a profound journey through the corridors of success. Dr. Prasanna's insights illuminated the pathways to personal and



professional growth, emphasising progress, continuous skill development, and unwavering motivation, leaving an indelible mark on the IEEE young professionals in attendance. Following his address, a succession of esteemed speakers, including Dr. Paventhan, Dr. N Subramaniam, and Mr. Raj Subramaniam, brought their unique perspectives to the forefront, discussing emerging trends in innovation, delving deep into the heart of innovation, and highlighting the practical implications of innovation in the Indian context, particularly emphasising the critical role of Al and cloud technologies. Dr. Sainarayanan G. Technology Director at HCLTech, then elucidated the fundamental aspects of innovation, focusing on domain knowledge, creativity, and motivation, offering actionable strategies for fostering a culture of innovation within organizations. Also, insights were provided by Dr. N. Sarat Chandra Babu, Life Member, IEEE Madras Section, and Mr. Murugavel Muthu, Founder & CEO of COSGrid Networks, covering essential qualities for innovation, quantum computing, and cybersecurity solutions

"IEEE MAS SPF - STUDENT PROJECT FUNDING"

The IEEE Madras Section organized the IEEE MAS SPF - Student Project Funding Expo on May 25, 2024, at B.M. Birla Planetarium, Chennai



The inaugural ceremony featured prominent delegates including Mr. Jayaharan C J, Senior Director at LTIMindtree, who was also the chief guest, Dr. K. Porkumaran, Chairman of IEEE Madras Section and Principal of Sri Sairam Engineering College, Dr. V. Nagarajan, Dr. S. Brindha, Mr.M.Arun, IEEE MAS Excom Members.



The jury panel included C. Srivenkateswaran, Professor at Rajalakshmi Institute of Technology, Mrs. V.B.N Jyothi, Scientist at National Institute of Ocean Technology, Dr. A. Srinivasan, Professor at Pondicherry University, Dr. R. Seyezhai, Professor at SSN College of Engineering, Dr. Sivasakthiselvan, Professor at Rajalakshmi Engineering College, and Dr. M. Kavitha, Senior Ideation Engineer at L&T.

Over 150 students from various districts participated, with the top two teams receiving a first prize of ₹10,000 each, three teams receiving a second prize of ₹7,500 each, and five teams receiving a third prize of ₹5,000 each. The juries were honored with mementos for their contribution. The event successfully showcased students' innovative projects, fostering creativity and providing financial support to further their research and development efforts.





"MD Activity Coordination Contest"

IEEE Madras Section Membership Development Committee organized MD Activity Coordination Contest on 02 June 2024. Dr. R.Haripraksh, Chair, IEEE Madras Section Membership Development Committee delivered the welcome addrtess and shared the steps taken by the team to promote IEEE.

Dr.V.Nagarajan, Excom Member, IEEE madras section &Mr. Prasanth Mohan, Question Pro judged the presentations. This contest was designed to foster better collaboration and teamwork among IEEE student branches in our section in particular to Membership development. The MDC Contest provided an

opportunity for SBs to share their challenges/ success stories / activities of your branch for Membership development. Total prize money of Rs. 25000/ was supported for the event.

IEEE Madras Section SIGHT

"Special Celebration on IEEE SIGHT and Education Week"

IEEE Madras SIGHT AG & IEEE Education Society Madras Section Chapter in collaboration with St. Joseph's College of Engineering, Jeppiaar Engineering College, Panimalar Engineering College and Sri Sairam Institute of Technology has organized IEEE MAS SIGHT SUMMIT a Special Celebration on IEEE SIGHT and Education Week on 27th April, 2024 at Sri Sairam Engineering College.



The commencement of the IEEE MAS SIGHT SUMMIT was marked by a ceremonious inauguration. Esteemed dignitaries, including Dr. Porkumaran, Advisor to IEEE MAS SIGHT AG, Chairman of IEEE Madras Section, Principal at Sri Sairam Engineering College, Mr. Prasanna V B, Solution Architect at HCL Technologies, Mr. Arun M, Chair, IEEE MAS SIGHT AG and Mr. Niranjan Kumar S, Lead at IEEE MAS SIGHT AG, Business Development Associate at Antano & Harini, graced the occasion with

The session on Climate Change and MOVE Initiative by Mr. Ashvanth elaborated on the MOVE Initiative, a notable endeavor



spearheaded by IEEE. As an IEEE initiative, MOVE (Mobility, Opportunity, and Vehicle Innovation) aims to address the pressing challenges of urban mobility and transportation sustainability. Mr. Ashvanth provided insights into how MOVE seeks to leverage technology and innovation to revolutionize transportation systems, making them more efficient, accessible, and environmentally friendly.

Idea Colloquium was held where innovation took center stage. Here the participants were expected to present ideas. The



summit buzzed with creative energy during the Idea Colloquium, where participants presented innovative solutions to societal challenges. Their ideas were evaluated by a panel of jury members, contributing to a vibrant exchange of perspectives. The summit also provided a platform for teams to showcase their groundbreaking projects through interactive stalls. From healthcare to education to environmental conservation, the projects on display showcased the transformative potential of technology in addressing humanitarian challenges.

A special session on STEM education, known as STEMit, captivated the audience with its focus on inspiring the next generation of innovators. Led by Mr. Abdul Halik and Mr. Niranjan Kumar S, the session aimed to introduce students to the exciting world of STEM and ignite their passion for science and technology. Through hands- on activities and interactive demonstrations, students were encouraged to explore STEM concepts and consider future careers in these fields, laying the foundation for a future driven by innovation and curiosity.

The summit concluded with a thought-provoking panel discussion on Humanitarian Technologies. Led by industry experts and thought leaders, the discussion delved into the transformative power of technology in addressing humanitarian crises and fostering sustainable development.

"Webinar on Beginning your SIGHT Journey"





IEEE Madras Section and Madras Section Young Professionals. Panimalar Group of Institutions in association with IEEE SIGHT Madras Section and IEEE SIGHT Week Celebration organized a webinar on Beginning your SIGHT Journey as a part of IEEE SIGHT Week Celebration by Mr. Dhiraj Mani Chaurasia, Chair YP AG. IEEE Pune Section Head Vehicle Integration. Tork Motors on 24th April at 7:00 PM (IST). Mr. Dhirai Mani Chaurasia provided quidance on starting the SIGHT journey, offering valuable tips for success and highlighting common pitfalls in applications. Additionally, he shed light on the R10 HTA Award, motivating participants to strive for excellence in humanitarian technology endeavours. Around 40 participants attended. The Student Coordinators Narmadha K. Santha Lakshmi S. Hari Priva K and Subha Harini P coordinated the event along with the Staff Coordinator Mr. M. Arun. Chairman of IEEE Madras Young Professionals.

"Webinar on Delving into IEEE"

IEEE Madras Section and Madras Section Young Professionals, Panimalar Group of Institutions in association with IEEE SIGHT





Madras Section and IEEE SIGHT Week Celebration organized a webinar on Delving into IEEE SIGHT as a part of IEEE SIGHT Week Celebration by Mr. Abhinav R, Secretary at IEEE KS SIGHT AG on 28th April 2024 at 7:00 PM (IST). Mr. Abhinav R delved into IEEE SIGHT, explaining its purpose and significance, particularly in empowering communities through technology.

He highlighted initiatives like ADHYAYANA phases in IEEE CS SBC NSSCE, emphasizing the organization's commitment to supporting and enhancing community welfare through various projects and events. Around 45 participants attended. The Student Coordinators Narmadha K, Santha Lakshmi S, Hari Priya K and Shahana M coordinated the event along with the Staff Coordinator Mr. M. Arun, Chairman of IEEE Madras Young Professionals.

"Webinar on Implementing IEEE SIGHT Project"

IEEE Madras Section and Madras Section Young Professionals, Panimalar Group of Institutions in association with IEEE SIGHT Madras Section and IEEE SIGHT Week Celebration organized a webinar on Insights On Implementing IEEE SIGHT Project as a part of IEEE SIGHT Week Celebration by Dr. Soma Prathibha, Professor at Sri Sai Ram Engineering College, IEEE HKN and IEEE CS SEC Chapter Advisor, Vice Chair at IEEE WIE MAS, M. Manish, Student Representative, IEEE Reliability Society Madras Chapter, M. Krithika, Member technical staff @Zoho Corporation and Abhijay Gopal S, Final Year, Sri Sai Ram Engineering College, IEEE MGA Mentor, IEEE Region 10 Lead, PES Student Chapter

of the project. M. Manish provided an overview and technical discussions, while Abhijay Gopal S shared remarks on the project's inauguration. Around 60 participants attended.

IEEE Madras Education Society

"Webinar on Photonics for National Defense"

IEEE Madras Section, Madras Section Young Professionals, Madras Section Education Society Chapter&Panimalar Group of Institutions organised a webinar on Photonics for National Defense as a part of IEEE Education Week Celebration by Dr. Naresh





Vice Chair on 25th April at 6.00 PM (IST). Dr. Soma Prathibha, M. Manish, M. Krithika, and Abhijay Gopal S presented insights into implementing an IEEE SIGHT Project. Dr. Soma Prathibha introduced the project followed by M. Krithika detailing Phases

Chand, Life fellow of IEEE and Founder of Prakash Bharati on 17th April at 7 PM (IST). Dr. Naresh Chand explained photonics in defense, emphasizing cost reduction and SWaP benefits. Topics included photonic sensor applications, LiDAR in the military, HELWS and DEWs, market growth predictions, soldier optical tech, DIRCM for defense, EW uses, and C4ISR applications. He also touched on non-RF communication, UV technology, and robotic surveillance before concluding the session. Around 70 participants attended. The Student Coordinators Narmadha K, Kamaleswari P, Hari Priya K and Subha Harini P coordinated the event along with the Staff Coordinator Mr. M. Arun, Chairman of IEEE Madras Young Professionals.

"Webinar on Delve into the world of Robotics: An Overview"

IEEE Madras Section, Madras Section Young Professionals, Madras Section Education Society Chapter&Panimalar Group of Institutions organized a webinar on Delve into the world of Robotics: An overview as a part of IEEE Education Week Celebration by Mr. Aditya Kameswara Rao Nandula, Chair of IEEE



YP AG Kharagpur Section Affinity Group, Coordinator in IEEE Region 10 Young Professionals Committee on 19th April at 7 PM (IST). Mr. Aditya Kameswara Rao Nandula discussed the need for robots to adapt to different environments and repeat tasks accurately. He discussed the increasing use of robots in industry, space, education, and defense. Understanding how robots work is essential for everyone. He highlighted four types of robots and explained the evolution of industry (1.0 to 4.0), stressing the importance of research and development in robotics.

"Webinar on AI and ChatGPT"

IEEE Madras Section, Madras Section Young Professionals. Madras Section Education Society Chapter&Panimalar Group of Institutions organised a webinar on AI and ChatGPT as a part of IEEE Education Week Celebration by Dr. S. Balakrishnan. Professor, Dept. of Computer Science and Engineering, Aarupadai Veedu Institute of Technology, Vinayaka Mission's Research Foundation (Deemed to be University). Chennai on 25th April at 7 PM (IST). Dr. S. Balakrishnan covered the basics of Al and chatbots, stressing the importance of using the right tools and methods in AIML and chatbot creation. He also mentioned popular platforms like Microsoft Bot Framework and IBM Watson Assistant for building chatbots. Around 40 participants attended. The Student Coordinators Narmadha K, Kamaleswari P, Hari Priva K and Shahana M coordinated the event along with the Staff Coordinator Mr. M. Arun. Chairman of IEEE Madras Young Professionals



IEEE TEMS MADRAS CHAPTER

"Webinar on From Campus to CEO: Building an Entrepreneurial Mindset and Essential Life Skills"

IEEE Madras Section, Panimalar Group of Institutions IEEE TEMS MadrasChapter, IIC society and IETE presented a webinar titled From Campus to CEO: Building an Entrepreneurial Mindset and





Essential Life Skills as part of the Entrepreneurship Track 2.0 by Ms. Maria Subi Rajan, Founder and CEO of Brand Fox and She the Sakthi on 14th June at 11 AM (IST). Ms. Maria Subi Rajan highlighted the importance of building an entrepreneurial mindset and essential life skills for students transitioning from campus to CEO roles. Through case studies and interactive discussions, participants gained insights into effective strategies for cultivating creativity, risk-taking, and adaptability. This approach aims to foster a culture of innovation and growth, equipping students with the tools needed to thrive in dynamic business environments. Around 30 participants attended the event. The student coordinators Poovarasan P, Mirunalini, Narmadha K and Hari Priya K coordinated the event along with the staff coordinator Mr. M. Arun, AP, ECE.

IEEE Madras Young Professionals

"D Tales" - Hackathon

Panimalar Group of Institutions, in collaboration with IEEE TEMS Madras Section, IETE, and IEEE Young Professionals

Madras Section, organized D Tales, a thrilling 11 days Data Viz Hackathon aimed at developing captivating dashboards and spinning captivating data tales. The Hackathon spanned from its commencement to the grand finale, showcasing a culmination of talent, innovation, and ingenuity.

The D Tales Hackathon kicked off with the release of 10 unique challenge datasets, each revealed to participants at intervals of 48 hours. The challenge period was closed on 18.03.24 and the grand finale was scheduled on 20.04.24 and 21.04.24.





The primary task assigned to participants was to analyze the provided datasets meticulously. After careful evaluation, Swathi. M from Panimalar Engineering College emerged as the winner of the D Tales Data Viz Hackathon. Her dashboard stood out for its clarity, creativity, and insightful representation of the underlying data.

Mr. Mithresh G P, Associate Software Engineer at Prodapt Solutions was our jury for this event. The D Tales Hackathon served as a testament to the power of data visualization in uncovering stories and insights that drive decision-making and understanding. The success of the event underscores the



importance of fostering a culture of innovation and collaboration in the field of data science and visualization.

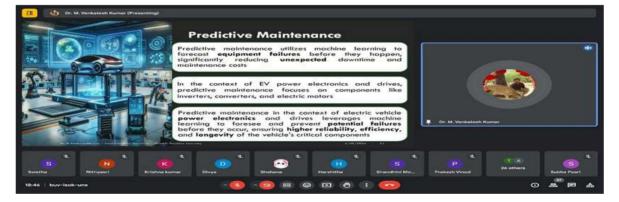


"Webinar on Machine Learning for Electric Vehicles and its applications"

IEEE Madras Section and Madras Section Young Professionals. Panimalar Group of Institutions in association with IEEE Power and Energy Society SBC organised a webinar on Machine Learning for Electric Vehicles and its applications as a part of IEEE PES Day Celebration by Dr. M. Venkateshkumar, Vice Chairman. IEEE PES Madras Chapter, Associate Editor in IEEE Access Journal, Intel Certified Instructor in Machine Learning, Assistant Professor (SG) at Amrita Vishwa Vidyapeetham. Coimbatore on 18th April at 6.30 PM (IST), Dr. M. Venkateshkumar discussed how Machine Learning (ML) can improve Electric Vehicles (EVs). He explained how ML techniques can help make EVs work better and be more eco-friendly. By using data and algorithms, EVs can become more efficient and reliable, making them a smarter choice for transportation. Around 40 participants attended. The Student Coordinators Narmadha K. Hari Priva K. Subha Harini M and Shandhini M coordinated the event along with the Staff Coordinator Mr. M. Arun, Chairman of IEEE Madras Young Professionals.

"Webinar on Enhance your IEEE experience with PES"

IEEE Madras Section and Madras Section Young Professionals, Panimalar Group of Institutions in association with IEEE Power and Energy Society SBC organized a webinar on Enhance your IEEE experience with PES as a part of IEEE PES Day Celebration by Mr. Gaurav Pathak, IEEE PES Membership Development Committee Communications Lead, IEEE PES Day 2024 Member, IEEE PES R10 Communications Ad Hoc Committee on 22nd April at 6.00 PM (IST). Mr. Gaurav Pathak provided guidance on maximizing the benefits of the Power & Energy Society



(PES) within IEEE. He emphasized how PES offers avenues for professional growth, networking opportunities, and access to valuable resources tailored to engineers in the power and energy sectors, enriching their IEEE experience. Around 50 participants attended. The Student Coordinators Narmadha K, Hari Priya K and Kamaleeshwari P coordinated the event along with the Staff Coordinator Mr. M. Arun, Chairman of IEEE Madras Young Professionals.

"Webinar on Design of Power Converters"

IEEE Madras Section and Madras Section Young Professionals. Panimalar Group of Institutions in association with IEEE Power and Energy Society and IEEE PES Day organized a webinar on Enhance your IEEE experience with PES as a part of IEEE PES Day Celebration by Dr. P. Elangovan, Assistant professor, EEE, School of Electronics and Communication sciences, B S Abdur Rahman Crescent Institute of Science & Technology on 26th April at 6.00 PM (IST). Dr. P. Elangovan shared insights on how to create power controllers. These devices help manage electricity flow efficiently. By discussing control methods and circuit designs, he highlighted ways to improve energy systems for better performance and reliability. Around 40 participants attended. The Student Coordinators Narmadha K, Hari Priya K, Kamaleeshwari P and Shandhini M coordinated the event along with the Staff Coordinator Mr. M. Arun. Chairman of IEEE Madras Young Professionals.

"Webinar on Key factors behind planning a Quality Humanitarian Technology Project"



IEEE Madras Section and Madras Section Young Professionals. Panimalar Group of Institutions in association with IEEE Power and Energy Society and IEEE PES Day organized a webinar on Key factors behind planning a Quality Humanitarian Technology Project as a part of IEEE PES Day and SIGHT Week Celebration by Dr. Hussain Mahdi, College of Engineering, University of Divala, Iraq, IEEE Humanitarian Activities Committee 2015 -2021. IEEE Smart Villages Education committee 2023. IEEE PES Humanitarian Activities Committee Vice Chair 202, IEEE Awards Board Presentation & Publicity Committee 2024 on 1st May at 5.00 PM (IST). Dr. Hussain Mahdi delves into the intricacies of developing a Quality Humanitarian Technology Project. He examines the project's mission, scrutinises various initiatives from government bodies, non-governmental organizations (NGOs), foreign entities, and industries. This comprehensive analysis guides the strategic planning and implementation of impactful humanitarian endeavours. Around 40 participants attended. The Student Coordinators Narmadha K, Hari Priya K and Subha Harini P coordinated the event along with the Staff Coordinator Mr. M. Arun. Chairman of IEEE Madras Young Professionals.



"Webinar on Mastering the Art of Cracking Interviews"

IEEE Madras Section and Madras Section Young Professionals, Panimalar Group of Institutions in association with TEMS, IIC and IETE, presented a webinar titled on Mastering the Art of Cracking Interviews as part of the Placement Series 2.0 by Mr. Kingsly Rajkumar, Management Consultant – GB Tech Corp & Founder – Smart Mindz on 12th June at 5 PM (IST). Mr. Kingsly Rajkumar's sessions covered several key areas, including strategies for preparation. He discussed how to create an effective, attractive, and unique resume. He also included tips from industry experts, practice interview sessions, and insights into what employers look for. He also emphasized the importance of networking and building professional relationships. Around 40 participants attended the event. The student coordinators Nirosha D, Dheeraj Singh R, Hari Priya K, and Santha Lakshmi S coordinated the event along with the staff coordinator Mr. M. Arun, AP, ECE.





IEEE PELS Madras Chapter

"Webinar on Nuances of Machine Learning"

IEEE Madras Section, IEEE PELS Madras Chapter, IEEE Madras Section Young Professionals, Panimalar Group of Institutions in association with IEEE PELS Day, IIC and IETE presented a webinar on the topic Nuances of Machine Learning by Dr. S. Albert Alexander, Chairman of IEEE Power Electronics Society Madras Section, Associate Professor Grade 2, Dept. Of Energy and Power Electronics, VIT University, Vellore on the occasion of IEEE PELS Day Celebration 2024 on 25th June at 10 AM (IST). The session discussed advanced machine learning techniques, ethical concerns, and practical applications in industries like predictive analytics and healthcare, while also highlighting future trends and IoT integration. Around 80 participants attended the session. The Student Coordinators are Subhaharini P, Narmadha K, Shahana M and Nirosha D coordinated the event along with Staff Coordinator Mr. Arun. M, AP/ ECE.



"Webinar on Power Electronics for 5G Networks"

IEEE Madras Section, IEEE PELS Madras Chapter, IEEE Madras Young Professionals, Panimalar Group of Institutions in association with IEEE PELS Day, IIC and IETE presented a webinar on the topic Power Electronics for 5G Networks by Dr. Sahaya Senthamil L, Power Electronics Researcher, Anna University on the occasion of IEEE PELS Day Celebration 2024 on 25th June at 6 PM (IST). The webinar discussed the crucial role of power electronics in 5G infrastructure, including design challenges, energy efficiency enhancements, and integration strategies. It highlighted advancements in semiconductor technologies and adaptive power management techniques. Around 50 participants attended the session. The Student Coordinators are Subhaharini P, Shandhini M, Shahana M and Kamaleeswari P coordinated the event along with Staff Coordinator Mr. Arun. M. AP/ECE.



"Webinar on Virtual Reality in Engineering Education"

IEEE Madras Section, IEEE PELS Madras Chapter, IEEE Madras Young Professionals, Panimalar Group of Institutions in

association with IEEE PELS Day, IIC and IETE presented a webinar on the topic Virtual Reality in Engineering Education by Mr. Chennam Harinantha Reddy, Immediate Past Chairman of IEEE Power Electronics Society JT Chapter, IEEE Hyderabad Section on the occasion of IEEE PELS Day Celebration 2024 on 26th June at 6 PM (IST). The webinar highlighted the transformative role of VR technology in enhancing student engagement, practical applications, and bridging theoretical knowledge with practical skills. Around 50 participants attended the session. The Student Coordinators are Subhaharini P, Hari Priya K, Poovarasan P and Kamaleeswari P coordinated the event along with Staff Coordinator Mr. Arun. M. AP/ECE.





"Webinar on Future Trends in Power Electronics"

IEEE Madras Section, IEEE PELS Madras Chapter, IEEE Madras Young Professionals, Panimalar Group of Institutions in association with IEEE PELS day, IIC and IETE presented a webinar titled Future Trends in Power Electronicsas part of the IEEE PELS Day Celebration 2024 by Dr. Brad Lehman, President

of IEEE Power Electronics Society and Professor at Northeastern University in Boston on 26th June at 7:30 PM (IST). Dr. Brad Lehman focused on the crucial power electronics field and its future scope. His insights undoubtedly guided us as we navigate the evolving landscape of power electronics. The webinar provided a deeper understanding of the innovations and advancements shaping the future of this critical field. Around 100 participants attended the event. The student coordinators Santha Lakshmi S, Narmadha K, Logashree S and Monifa Prisca T coordinated the event along with the staff coordinator Mr. M. Arun, AP, ECE.





"Webinar on Challenges and Opportunities in Automotive Power Electronics"

IEEE Madras Section, IEEE PELS Madras Chapter, IEEE Madras Young Professionals, Panimalar Group of Institutions in association with IEEE PELS Day, IIC and IETE presented a webinar on the topic Chanllenges and Opportunities in Automotive Power Electronics by Mr. Pradeep Shenoy, Treasurer at IEEE Power Electronics Society, General Manager at Automotive Power Design Services, Texas Instruments on the occasion of IEEE

PELS Day Celebration 2024 on 27th June from 6 PM (IST). This session provided valuable insights into the current obstacles and future prospects in the field. Key issues discussed included thermal management, energy efficiency, and advanced materials integration. The session highlighted significant opportunities in the transition to electric vehicles, particularly in power conversion technologies and battery management systems. Around 65 participants attended the session. The Student Coordinators are Medha Devi, Hari Priya. K, Narmadha. K and Poovarasan. P coordinated the event along with Staff Coordinator Mr. Arun. M, AP/ ECE.

"Webinar on Power electronics – The Key Technology for Grid Integration"

IEEE Madras Section, IEEE PELS Madras Chapter, IEEE Madras Young Professionals, Panimalar Group of Institutions in association with IEEE PELS Day, IETE presented a webinar titled Power electronics – The Key Technology for Grid Integration as a part of IEEE PELS DAY 2024 on 28th April 2024 at 10:30 AM (IST) by Dr. Frede Blaabjeerg Senior Past President, IEEE PELS & Professor, Villum Investigator at Aalborg University. Dr. Frede Blaabjerg highlighted about Power electronics which is essential for grid integration, enabling efficient control and conversion of electric power and also grid reliability, stability, and efficiency, supporting features like demand response and energy storage .Through case studies and interactive discussions, participants gained insights about renewable energy sources like solar and wind to be seamlessly intergrated into the grid by converting their valuable outputs into stable electricity. Around 45 participants attended the event. The student coordinators Santha Lakshmi s. Narmadha K, Logashree S, and Oviya S coordinated the event along with the staff coordinator Mr. M. Arun, AP. ECE.



IEEE WIE AG MADRAS SECTION

"Webinar on A Day in the life of a deep learning compiler Engineer"





The IEEE Women in Engineering (WIE) Affinity Group Madras Section organized a webinar as part of the EmpowerHer: WIE Knowledge Exchange series on 13th April, 2024. The event featured Ms. Pavani Majety, a Senior Deep Learning Compiler Engineer at Nvidia Corporation, who delivered a talk titled A Day in the Life of a Deep Learning Compiler Engineer at 6:30 PM to 8:30 PM (IST), the webinar provided attendees with insights into

the daily responsibilities and challenges faced by a deep learning compiler engineer. Participants found the session to be highly informative and inspirational, gaining a deeper understanding of the field and its applications.

"Webinar on IEEE WIE & IEEE R10 WIE Awards Awareness"

WIE Awards Awareness on 20th May, 2024 from 7:00 PM to 8:00 PM (IST). Dr.Agnes Irwanti, Chair, IEEE WIE R10&Prof. Norliza Mohd Noor, Advisory Committee member(DEI), IEEE R10WIE shared the panel. This session, part of the Empower Her - WIE Knowledge Exchange series, featured honourable speakers sharing unique experiences and valuable knowledge.



"Introduction to Digital Entrepreneurship"

IEEE Madras Section organized a webinar titled Introduction on Digital Entrepreneurship as part of IEEE WIE Day 2024. The Session was conducted by Ms. Vidhya Arumugam, an Independent Business Strategist and TEDx Speaker, on 22nd June at 11 AM (IST). Ms. Vidhya Arumugam's sessions covers the process of creating, innovating, and managing a business venture in the digital realm. In today's interconnected world, digital entrepreneurship leverages technology to develop new products, services, or business models that disrupt traditional industries and create value in novel ways. This session explores the fundamental aspects of digital entrepreneurship, including its definition, characteristics of successful digital entrepreneurs, prevalent business models, technological trends shaping the landscape, challenges faced and future prospects.

EEE ADSF SIGHT Madras Chapter

"Panel Discussion on "Uses and Applications of Solar Energy in Agriculture and Fisheries"



IEEE ADSF SIGHT, jointly with CriTech, organised a panel discussion on Uses and Applications of Solar Energy in Agriculture and Fisheries which was held on 25th May 2024,



at Aatral Arangam, Institute of Energy Studies, Anna University Chennai, from 10.30 a.m. to 1:00 PM, by Dr. C. Sharmeela. Professor EEE, Adjunct Professor at the Centre for Composite Materials

IEEE Engineering in Medicine and Biology Society Madras Chapter

"National Level Hands-on-Workshop on "Arduino Applications in Medical Assistive Devices"

IEEE EMBS Madras Chapter, in association with K S RANGASAMY COLLEGE OF TECHNOLOGY. Tiruchengode, organised a nationallevel hands-on workshop on Arduino Applications in Medical Assistive Devices by Mr. K. Raguvaran, Director, Mindnics Pvt. Ltd., Namakkal, on 10th May, 2024.

Reliability Society Madras Chapter

About the College

K.S.Rangasamy College of Technology (KSRCT) is an autonomous college near Tiruchengode, Tamil Nadu. Established in 1994, it is affiliated with Anna University, Chennai, and approved by AICTE. KSRCT offers 14 undergraduate, 11 postgraduate, and 12 Ph.D. programs. The institute is recognised with A++ in NAAC, DST-FIST and NIRF Innovation Ranking 2023(51-100 band) for engineering. AICTE-IDEA Lab, ATAL Community Innovation Centre, MSME incubation centre, and an HC 5.0 rated 4 stars with mentor status are the other remarkable mentions of the institute

About the Department

Department of Electronics and Communication Engineering (ECE) was started in the year 1994. The department currently offers two Under Graduate (UG) programs and one postgraduate (PG) program: B.E. (ECE), B.E.(EE) - Electronics Engineering with VLSI Design specialization and M.E. VLSI Design. The student intake for B.E. (ECE) is 120 and B.E.(EE) is 60 and PG programme is 06. B.E.(ECE) is accredited by NBA under Tier - 1. The department has received funding to the tune of 1.5 crores for projects and programs from various funding agencies like SERB, DST, DBT, UGC, AICTE, MOES, CSIR and ICMR. The department is recognized as research centre by Anna University, Chennai since 2000.

- · To become recognized as a leader in Electronics and Communication Engineering education and research. MISSION
- . To craft professionals and technology leaders adherent to the professional ethical code in the areas of Electronics and communication Engineering.
- · To address the needs of the society while advancing boundaries of disciplinary and multidisciplinary research and cultivate universal moral values.

Mr. R. Sriniyasan Chairman, KSREI

Dr. R. Gopalakrishnan Principal, KSRCT

Dr. C. Rajasekaran HOD/ECE, KSRCT

Mr. K. Raguvaran Director, Mindnies Private Limited, Namakkal

Course Contents

- Introduction to Arduino in Healthcare
- · Heart Rate Sensors
- Bluetooth Connectivity
- · Building a Heart Rate Monitoring Device
- · Hands-on Project

Registration Fee

IEEE EMBS Student Member	0)	Nil
(up to 5 registrations)		
IEEE Student Member	*	100
(up to 5 registrations)		
UG / PG Students		250
Faculty/Research Scholars	*	500
Industry		

Note:

- · Fee is inclusive of refreshments on that
- · Reservation of seats for IEEE members on first come first served basis.

 Confirmation of registration based on
- availability of seats.







IEEE EMBS MADRAS SECTION

in association with

IEEE STUDENT BRANCH - STB - 60891

K S RANGASAMY COLLEGE OF TECHNOLOGY

Presents

Hands - on - Workshop on

ARDUINO APPLICATIONS IN MEDICAL ASSISTIVE DEVICES

10 May, 2024



Organized by

Department of

Electronics and Communication Engineering.

K S Rangasamy College of Technology, Tiruchengode, Namakkal,

Tamil Nadu - 637215



"Inauguration of IEEE Reliability Society Madras Chapter"

The Inauguration ceremony of the IEEE Reliability Society Madras Chapter organized by the IEEE Madras Section in collaboration with the IEEE Reliability Society has been inaugurated by Dr. Steven Li, President of IEEE Reliability Society, Dr. Janet Lin, Vice President of IEEE Reliability Society & Dr. K. Porkumaran, Chairman of IEEE Madras Section on 24th April, 2024 at 6:30 PM to 7:30 PM IST. The event offered an invaluable opportunity for networking and engaging with fellow professionals passionate about reliability engineering.

IEEE Industrial Application Society Madras Chapter

"National Technology Day Webinar"









HEE INDUSTRY APPLICATIONS SOCIETY, MADRAS CHAPTER
S/IAS /PELS IT HYDERABAD CHAPTER - CHIOIO) & HEE IA/IE/PELS IT KERELA CHAPTER - CODE



In association with
L&T Smart World & Communication
Invites you for the





NATIONAL TECHNOLOGY DAY WEBINAR



PROGRAMME SCHEDULE

TIME	DESCRIPTION	SPEAKER
03:00 PM	Opening Remarks	Mr. R Srinivasan, EVP & Head L&T Smart World Chairman, IEEE IAS Madras Chapter
03:15 PM	Ignite to innovate	Mr. H. R Mohan, Chair Events, IEEE Computer Society, Madras Chapter
03:30 PM	Special Address - "AI and Quantum Computing"	Dr. M. Arumugam, Chairman, Tamil Nadu Smart and Advanced Manufacturing Centre (TANSAM)
0400 PM	Success of a startup	Mr Aasif Khan - Zheem 3D: Industry 4.0 Mr Shanawas Insource Design Tech - Additive & Advance Manufacturing, 3D Scanning technology
04:20 PM	Enterprise Innovation - Netcon Experience	Mr. Mahalingam, MD, Netcon Technologies Ltd
04:50 PM	"T-Works – India's largest prototyping centre and how we can support you in your 0 to 1 journey"	Mr. Joginder CEO, T-Works Foundation
05:20 PM	Success of a startup	Mr. Joginder CEO, T-Works Foundation
OS:35 PM	Idea Ignition / /	The Quiz Quest, Based on Sessions
05:50 PM	Closing Remarks	Mr. Kulanthaivelu, Chairman, IEEE TEMS Madras Chapte

IEEE Industry Applications Society, Madras Chapter, in collaboration with L&T Smart World & Communication, organized the 25th National Technology Day Webinar Celebration on the theme "Ignite to Innovate." The event featured engaging sessions by industry experts and an exciting quiz competition on 10th May, 2024, from 03:00 PM. to 06:00 PM IST.

IEEE Computer Society Madras Chapter

"Machine Learning Software Engineering Patterns and Their Engineering Approaches"

IEEE CS Madras and CSI & ACM Chennai organized a webinar on Machine Learning Software Engineering Patterns and Their Engineering Approaches on 20th April, 2024 at 6 PM IST by Dr. Hironori Washizaki, Prof., Dept. of CSE & Associate Dean (Research) of Waseda University, Tokyo, Japan and President-2025 of IEEE Computer Society.

IEEE Computer Society Madras in association with SSN College of Engineering, Chennai presents an in-person event IEEE CS Day at SSNCE on 22 April, 2024 under Responsible AI on the topics Breaking the Black Box: Explainability of AI & ML Models for Trustworthy System by Prof. Vineeth N Balasubramanian, Professor, Dept. of CSE & Founding Head, Dept. of AI at IIT Hyderabad, Challenges of Testing and QA for Responsible AI by Dr. Srinivas Padmanabhuni, CTO and Co-founder of AI Ensured, Legal Framework Around AI by Dr. U. Bhuvaneshwari,

Director of Responsible AI at Standard Chartered and IEEE & IEEE CS Awareness with Mini ICT Quiz by Mr. H.R. Mohan, IEEE Ambassador & Chair of Events at IEEE CS Madras.

CSI Chennai and IEEE CS Madras & ACM Chennai organized a webinar Securing Connected World of IOT/IOE by Dr. N. Sarat Chandra Babu, Advisor of Data Security Council of India (DSCI), Advisor of Broadband India Forum (BIF) and Former ED of Society for Electronic Transactions & Security (SETS) on 27 April, 2024 at 6 PM IST.

"IEEE CS TECH Savants Carnival 24"

IEEE Computer Society Student Branch and the Department of CSE, CSE – AI & ML and AI & DS of S.A Engineering College in association with IEEE Computer Society Madras Chapter has organized IEEE CS TECH SAVANTS CARNIVAL'24 on 29th& 30th April, 2024. The physical meeting was held at S.A Engineering College on 29th& 30th April, 2024. Engineering student from all the discipline has participated in the event and the final results were based on the judges or the coordinators decision.

"Webinar on Upskilling & Cross-Skilling – The Game Changer to Succeed in the Disruptive Era"

IEEE Computer Society Madras, along with the Computer Society of India & ACM, organized a webinar on Upskilling & Cross-Skilling – The Game Changer to Succeed in the Disruptive Era by Dr. Usha Narasimhan, Talent Development Head, Enterprise





IEEE Computer Society Madras, along with the Computer Society of India and ACM organised a webinar on "Data Strategy & Open Data for 10X Research Productivity" by Dr. Rakesh Kumar. Chair

IEEE Data Port, Chair IEEE TA Data-based Business Strategy, and Past President of SSCS, on 14th May 2024 @7.30PM IST.

"One day in-person event on IEEE CS Day @ SAEC on GenAl and LLMs"

IEEE Computer Society, Madras & SA Engineering College, Chennai jointly organized a one day in-person event on IEEE CS Day @ SAEC on GenAl and LLMs. The sessions that were in the events were Generative Al covering GAN, VAE & Diffusion Modelling, Large Language Models covering Auto encoder & Auto Regressive Modelling, LLMs: Types (LLMs, LMMs, SLMs), Models, Comparison, Applications & Use Cases, GPTs Issues & Trends, IEEE & IEEE CS Awareness, and Mini ICT Quizon on 18th May 2024 from 8.30 AM IST.



IEEE Madras Signal Processing Society

ICASSP 2025: Satellite Workshop- PhD FORUM: Poster Presentation

The IEEE Signal Processing Society, Madras Chapter conducted

PhD Forum:Poster Presentation at the ICASSP 2025:Satellite Workshop at Novotel ,Hyderabad, India. The event commenced on 2/4/2024. In this event, participants are allowed to present their posters on the given four tracks. 30 participants took part in this competition.

Photos of the seminar:











"IEEESignal Processing Society seasonal school for Al based medical system design for biomedical signals"

SSN College of Engineering in association with IEEE Signal Processing Society Madras Chapter organized a Seasonal school on Al Based Medical System Design for Biomedical Signals. The speakers delivered most of the latest information about Biomedical Signal communication technologies and research work carried out in the field. Good feedback and appreciation are received from the participants for almost all sessions. Technical sessions are handled by eminent personalities from prestigious Institutions and Industry.

"IFFF SPS DAY"

The IEEE SPS Day- Deep Oscillatory Neural Networks for Signal Processing was conducted on 24th May 2024 by the SPS student chapter at the ECE seminar hall. There were 53 participants from BME, ECE department. The event started at 10:00 AM. Dr.V.Srinivasa Chakravarthy into a cutting-edge intersection of neuroscience-inspired algorithms and signal analysis. Then we were briefed about the advantages of DONNs over traditional neural networks, highlighting their robustness to noisy and non-stationary signals, as well as their potential for learning complex temporal patternsThe session was informative and fun and the professor taught good and at a pace we could all keep up and understand.

"IEEE SPS Seasonal School on Signal Processing Inphysical Layer of Furistic Wireless Communications"

IEEE Thiagarajar college of Engineeirng ,Madurai Signal Processing Society Chapetr in association of IEEE Signal Processing Society Madras Chapeter conducted Seasonal school on Signal Processing in Physical Layer of furistic Wireess Communications from June14 to June 18 2024. The participants got a key focus on Signal processing in Wireless Communications. Participants got benefitted by the hands on sessions conducted. At last participants rewarded with certificates.

IEEE Circuits and Systems Society Madras Chapter

"Panel Discussion on Challenges and Impacts of Al in RF integrated Chip Design"

75th year celebration of IEEE Circuits and Systems Society, we have conducted the panel discussion on the topic "Challenges and Impacts of AI in RF integrated Chip design" at Anna University

campus on May 4th 2024

Dr. P. Sakthivel, Chair, IEEE Circuits and Systems Society Madras chapter delivered the Welcome Address.

Panel Members

Dr. S. Rajaram, Professor, Thiagarajar Engineering College, Madurai, He has discussed about RF iC development Flow through machine learning and its future potential such as 6G.Dr. Premanad Deepak Chandramani, Professor, SSN Engineering College, He has discussed about the conversion of IC amplifier design to RF CMOS based amplifier as LNA, Optimization in design through AI techniques.Mr. Ganesh Prabhu, Principal Engineer, NXP Semiconductors, Bengaluru discussed with Role of AI in Semiconductors.The experts discussed about RF IC, need of AI in VLSI Optimization, future potential of VLSI in 6G. With expertize from academia and industry, attendees have gained valuable insights into the intersection of RF, VLSI, and AI Technologies.

Conclusion given by Dr. P. Kalpana Devi, Secretary, IEEECASS, Madras Chapter Such initiatives play a crucial role in fostering collaboration and knowledge exchange within the engineering community. Vote of Thanks proposed by Dr.S.G.Rahul, Ex. Comm. Member, IEEE CASS Madras Chapter. Dr. Meenakshi, Head of the Department of Electronics and Communication Engineering, Anna University honored the panel members.





Dr.Surekha Deshmukh Section Chair

Pune Section

IEEE Pune Section's Key Highlights

The opportunities with IEEE Smart Cities in replicating "Being a Women- Dialogue Series" as global event is an exciting opportunity for IEEE Pune Section. We launched "Women in Smart Cities" series by inviting Kathleen Kramer – IEEE President Elect 2024.

The receipt of scholarship for 60 female students from Engineering colleges as Women in Engineering Scholarship sponsored by Global Quest in association with GIEEE, Bangalore is the moment of happiness to us. The program encompasses the financial support of Rs 50,000 and technology- training to these students.

The glory of receiving "Outstanding Chapter Award" by IEEE PES Chapter and Joint Chapter JCAME is the testimonial of serving the society with dedication and creating impact.

The receipt of financial support to many projects under R 10 SIGHT, IRC justifies the continued efforts of volunteers to benefit members.

The industry collaboration with India Energy Storage Alliance has resulted into strong opportunities for IEEE at a global level to participate in the mission of decarbonizations. The keynote speech by Thomas Coughlin- IEEE President-2024 and Dr Saifur Rahman IEEE Past President gathered momentum at IESW 2024 event at Delhi.

We, at IEEE Pune Section started our journey towards enabling the contributions at City level through

establishing Special Interest Group on Energy and Environmental Engineering. Under this group, we are building ecosystem of academic partners, NGOs, City authorities and industry-professional bodies with a focus on Energy efficiency, Energy Conservation, Energy management and Environmental impact.

Industrial Approach of electrical & Electronic Components:

The three-day workshop from April 1-3, 2024, began with an inauguration, including guest speaker introductions and briefings by the HOD and coordinator. Sessions covered resistor types, practical component testing with a Digital Multimeter (DMM), capacitor testing logic, inductors, transformers, diodes, and transistors. Students engaged in mini projects like fan controllers and learned about Printed Circuit Boards (PCBs). The event concluded with student feedback, a valedictory function, and prize distribution for the best performers, ending with a vote of thanks by the coordinator.









PRATIMA: Sculptures of technology

The Department of Computer Engineering in association with the COMET FORUM had organized an event "PRATIMA: Sculptures of technology" on 05/04/2024 at G.H. Raisoni College of Engineering and Management, Pune sponsored by IEEE Education Society, Pune Section

and XELERATE Design Enterprise LLP. The Program started by welcoming and felicitating the guests Mr. Shudhodhan Imade, Mr. Astitva Mistry from XELERATE Design Enterprise, Dr. R. D Kharadkar sir- Director-GHRCEM Pune, Dr. Swapnil Mahajan- Head Innovation Cell. A brief introduction of the program was given by Dr. Simran Khaini Head of the Department Computer Engineering & IEEE Student Branch Counsellor. After the felicitation ceremony, the participants were told to be ready with their models for evaluation. The guests evaluated each model with the evaluation rubrics such as innovativeness, feasibility and cost effectiveness. Based on the evaluation, three winners were chosen and the winners were given cash prizes, trophies and certificates.





Expert Session on from Idea of Publication Navigating the Research Paper Writing Journey

Department of Electronics & Communication Engineering, MIT School of Engineering & Sciences has organized a Expert Session on From Idea to Publication: Navigating the Research Paper Writing Journey- By Prof. Dr. Sailesh Iyer, Dean Rai School of Engineering, Director, Research & Development Cell, Rai University, Ahmedabad on 7th April 2024.

Project Mania 2024 IEEE Student Branch

Computer Engineering Department of Sinhgad Academy of Engineering organized an event for the final year (B.E) students. The event was held in SAE Kondhwa campus.

The event's primary aim was to build the confidence amongst student to represent their project ideas. Students had to elaborate their ideas to the external supervisors. The program started by the ribbon cutting ceremony by our Principalsir Dr K.P.Patil, Prof. Mr.S.N.Shelke (HOD Comp) Prof. M.K.Nivangune, Dr. S. S. Kulkarni and Mr S I Shekh followed by 'Sarasvati Pooja' and lighting of lamp.

After the inauguration ceremony project evaluation was started all the Computer Engineering staff was present for the evaluation of the projects.

Our honorable Principal Dr K.P.Patil shared their experience and provided the students with words of inspiration. Department HOD. Mr.S.N.Shelke guided and motivated students about event

Workshop on PCB Designing

The IEEE MIT-WPU Student Branch held a two-day PCB designing workshop at MIT-WPU School of Engineering and Technology from April 18 to April 19, 2024. Aimed at enhancing skills in PCB design using Eagle software, the workshop involved collaborative efforts between faculty and student coordinators to impart theoretical knowledge and practical expertise. Participants gained comprehensive insights into PCB complexities and their crucial role in electronics, alongside hands-on experience with Eagle's design tools. The event successfully combined theoretical sessions on schematic principles and layout considerations with practical exercises in

prototype fabrication, fostering a supportive learning environment and enhancing participants' confidence in PCB design.





Workshop on Design, simulation and Implementation of PROTOTYPE Antenna

PICT IEEE Antennas and Propagation Society Student Branch Chapter is organizing a workshop titled "Design, Simulation, and Implementation of Prototype Antenna" on April 20th, 2024, from 9:00 AM to 1:00 PM at PICT, Pune. This workshop aims to equip participants with comprehensive knowledge of antenna design using specialized software tools, offering hands-on experience in constructing and testing physical prototype antennas. Led by RFLAB Solutions, the session will cover practical aspects such as simulation, optimization, and real-world implementation of antennas, providing a valuable platform for attendees to gain practical skills and insights into antenna technology.









Panel Discussion an EV First Nation First Road map Transportation and Ecosystem:

Recently, a panel session themed 'EV First – Nation First – Road map towards Sustainable Transportation and Ecosystems' featured prominent experts in the field. Dr. Sushil Ramdasi from the Automotive Research Association of India highlighted opportunities and challenges in electric power trains and EV charging infrastructure. Ramanathan Srinivasan, Managing Director of Automotive Test Systems, discussed EV vehicle testing and infrastructure development, emphasizing faster-charging solutions. Dr. Santosh Patani, Deputy Executive Engineer at MSEDCL, shared insights into MSEDCL's EV policies and initiatives like renewable tariff commissioning and charging station infrastructure. Gurusharan Dhillon, Director of E Mobility at Customized Energy Solutions, adeptly moderated the session, ensuring an interactive and engaging discussion.

The event was opened by Dr. Surekha Deshmukh, with introductions by Dr. Mandar Bhawalkar, and concluded with a vote of thanks proposed by Dr. Geetanjali Vaidya.



EV and Carbon free India:

Power and Energy Society (PES) Day is an annual event that brings together professionals, academics,

and students in the power and energy sector. Date: 23rd April 2024. Venue: Jaywant Auditorium, JSPM's RSCOE. Time: 10:30 AM - 12:30 PM. The Power & Energy Society Day 2024, meticulously organized by the Power and Energy Society Student Branch Chapter of IEEE RSCOE Student Branch in collaboration with the esteemed Department of Electrical Engineering, RSCOE, served as a pivotal gathering for professionals, academics, and students deeply entrenched in the dynamic realm of power and energy. Themed "Empowering Electric Mobility Innovation," the event was meticulously crafted to provide a platform for robust discussions, insightful presentations, and invaluable networking opportunities. aimed at dissecting the latest trends, confronting challenges, and exploring innovative solutions within the ever-evolving landscape of the power and energy sector.





MIT ADT School of Computing International Conference 2

Under the guidance of Prof. Dr. ReenaPagare, MITADTSoCiCon 2024—an international conference on Sustainable AI for Multidisciplinary Applications—was held from April 25th to 27th, 2024, at MIT ADT University,

Pune. Sponsored by IEEE Pune Section, with support from IEEE EMBS Pune Chapter and IEEE Computer Society Pune Chapter, the event featured distinguished speakers including Dr. Venkatesh R from TCS Mumbai and plenary sessions on topics such as Blockchain-based Federated Learning and AI applications in Sustainable Smart Cities. Over 40-50 attendees participated, with 100 presentations from students, researchers, and industry professionals, contributing to vibrant discussions and networking opportunities. The conference was praised for providing a platform for interdisciplinary dialogue and showcasing cutting-edge research and innovations in AI and related fields.





IEEE Education Society Symposium 2024:

The IEEE Education Society Symposium at Symbiosis Institute of Technology, Pune, from May 2nd to 4th, was a collaborative effort between the IEEE Education Society, IEEE Education Society Young Professionals Ad Hoc Committee, and IEEE Symbiosis Institute of Technology Student Branch, technically co-sponsored by IEEE Bombay Section. The event featured diverse workshops on AWS Cloud, DevOps, Angular, Python with Selenium, Blockchain, Cloud Computing, Computer Vision, and LinkedIn profile building. Programs included

IoT and Foldscope workshops for pre-university and high school students respectively. A Build-a-thon on May 3rd engaged 120 students in problem-solving activities, culminating in three winning teams. The symposium also celebrated the 75th anniversaries of AP-S and CAS, with a memorable Team Dinner fostering networking and discussions on advancing engineering education within the IEEE community.





Being a women- Dialogue Series is replicated at IEEE Smart Cities - with a launch by Kathleen Kramer - IEEE President Elect 2024

The IEEE Pune Section launched the Women in Smart Cities series, an extension of the Being a Woman Dialogue series, with Kathleen Kramer, IEEE President Elect for 2024, as the inaugural speaker. Kramer emphasized building local connections, advancing technology for sustainability, and developing standards for smart cities. She highlighted the need for data-driven approaches, integrating power and communication networks, and implementing sustainable solutions, particularly in

waste and water management. The discussion also addressed potential risks of extensive monitoring, such as privacy concerns, and the importance of diversity and inclusion in tech roles. The series aims to create a strong ecosystem of women professionals sharing experiences with budding engineers.



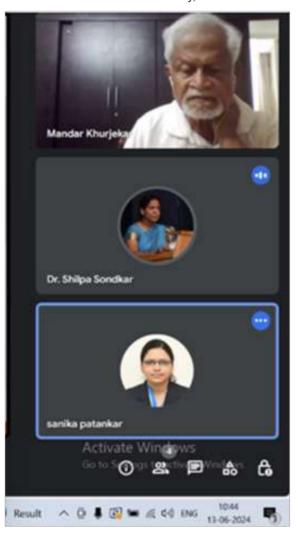
JCAME Management Committee: The online JCAME management committee meeting on May 23, 2024, addressed several key action points. Professor Mani briefed the committee on discussions with AP-S leadership, focusing on increasing membership, the upcoming URSI conference in Italy, and MAPCON scheduled for December 2024 in Hvderabad. It was decided that JCAME will present its activities at the 75th-year celebration of AP-S in Florence, Italy, from July 13-15, 2024. SYRES 2024 will be hosted at DIAT, Pune, in coordination with the Hyderabad Section of AP-S, tentatively set for August or September 2024, with coordination efforts by Dr Ravinder and Dr Ray. The committee emphasized regular reporting and membership continuity for student chapters, monitoring progress on the Radio Telescope Project. Additionally, Dr Raghunandan from Princeton confirmed an online lecture on 6G, to be organized by Dr Prutha and Dr Saniay, Planning for activities in December 2024 was also highlighted as a priority.

IMS Pune Chapter Admin Meeting: An admin Meeting was held on 13 June 2024,at 10 am(IST) . The meeting was attended by following members:

- Prof Mandar Khurjekar, Chair, IMS Pune Chapter
- Prof. Dr. Shilpa Sondkar, Vice Chair, IMS Pune Chapter
- Prof..Dr. Amar Buchhade, Vice Chair, IEEE PUNE SECTION,

 Prof. Dr. Sanika Patankar, Secretary, IMS Pune Chapter

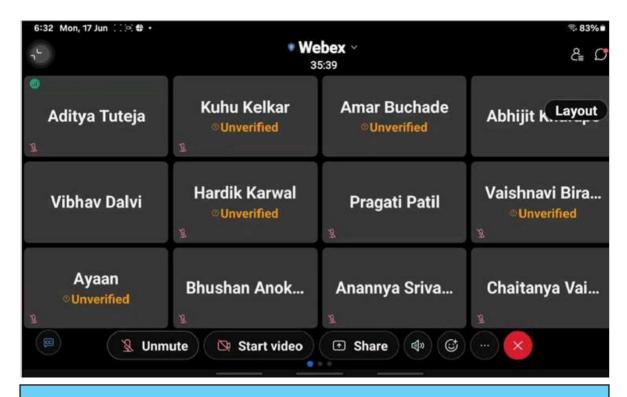
In response to recent developments, including the cancellation of the i5Tech2024 conference with IEEE, a decision has been made to reapply for a conference scheduled for September 2025. Planning for this event includes the preparation of an ICX form by the first week of July and potential technical sponsorship from the IMS Chapter of IEEE Portugal Section. A new track titled "SMART sensors and IOT" is proposed for inclusion in the 2025 conference. Additionally, an IMS and TRY



Engineering activity involving students is scheduled for August 2024, with further discussions planned for July 2024. Furthermore, an online distinguished lecture session featuring Dr. Ruqiang Yan, titled "Machine Doctor in the Era of Artificial Intelligence," is being organized for July-August, aimed at benefiting students across IEEE IMS, Sensors Council, Robotics, and other student chapters.

Student Branch Counsellors Meet & Chairs Meet:

On June 17th, 2024, the IEEE Pune Section convened a virtual meeting on the Webex platform, attended by representatives from various IEEE student branches across Pune. Led by Vibhav Dalavi, Student Section Representative, the meeting aimed to foster collaboration among branches, enhance membership engagement. and discuss opportunities for joint initiatives. Highlights included updates from each branch on their activities and challenges, with notable achievements such as PICT adding 130 new members and RSCOE securing funding from IEEE Smart Village. Discussions also focused on strategies for increasing membership, hosting future events like the Kshitij Talk Series, and maximizing funding opportunities through effective reporting and collaboration with the IEEE Pune Section. During the open discussion and feedback sessionSB Counsellors Madhuri Wadoke (PICT SB) requested a session on funding opportunities, Dr. Simaran Khaini (G.H. Raisoni) discussed internship opportunities, and Shubhada Mone (MMCOE) inquired about placements. Abhijit Kurpe, Secretary IEEE Pune Section, suggested introducing dedicated placement events. Further durin the discussions Anannya Srivastava, Co, SSR, proposed events such as expert sessions on corporate governance, data science workshops, industrial visits, and hackathons with emerging technologies. She emphasized the importance of social media engagement, tagging IEEE Pune Section for wider reach, and reminded branches to submit reports to the newsletter team and Vtools for visibility and funding opportunities. The meeting concluded with action items including the submission of membership statistics. scheduling of branch visits, and planning sessions on funding and placement opportunities.



IC Mega Events 2024

INDISCON 2024

August 22-24, 2024 Venue: Panjab Engineering College, Chandigarh

ieeeindiscon2024@gmail.com

TENSYMP 2024

September 27-29,2024

New Delhi

Tensymp2024@nsut.ac.in

INDICON 2024

December 19-21, 2024

Kharagpur, India.

Section-3 Miscellaneous Reports & Announcements



Dr. Ajith Gopi Additional Chief Technical Manager, ANERT &Chair IEEE PES Kerala Chapter

Students & Young Professionals

"Empowering a Sustainable Future:

Role of Renewable Energy in Achieving Sustainable Development Goals"

In a small, tucked-away village in Idukki District nestled in the lush landscapes of Kerala, a transformative journey began with a single spark of light. A remote community at sandalwood smelling MarayurGramaPanchayath in Idukki District had a great beginning with solar electrification. It all started with the Remote Village Electrification Program (RVEP), a beacon of hope supported by the Ministry of New and Renewable Energy (MNRE), Government of India, ANERT, the State Nodal Agency in Renewable Energy in Kerala, embraced this mission with fervour. Armed with funding and determination. ANERT embarked on a mission to bring electricity to the unlit homes of over 18.000 households scattered across the remote corners of Kerala between 2001 and 2003. The State Government and Local Self Governments also supported this great mission of solar village electrification with adequate funding



Figure 1: Village children posing for a photograph at a Solar Microgrid Station installed by ANERT as part of the Solar Remote Village Electrification Programme (2001-2003)

I was fortunate to head this incredible mission to electrify the remote villages of Kerala. ANERT's efforts bore fruit as households flickered to life with newfound energy. With a pioneering spirit, ANERT extended its reach to the untouched realms of remote tribal hamlets, where Solar Microgrids lit up the night sky, dispelling the darkness that had cloaked these hamlets for generations.



Figure 2: "Real owners of the Solar Power Plant"; a picture from RVEP Programme of ANERT

This project was conceptualised immediately after the Millenium Development Goals (MDGs) were declared by the United Nations after the Millennium Summit held at United Nations Head Quarters in 2000. The MDGs were aimed at addressing various global challenges and improving the lives of people around the world. Later,

Sustainable Development Goals (SDGs) were declared on September 25, 2015, during a United Nations summit held in New York City. The SDGs build upon the progress made with the Millennium Development Goals (MDGs) and provide a comprehensive framework to address global challenges and promote sustainable development in a more inclusive and equitable manner. There are 17 Sustainable Development Goals with 169 targets aimed at ending poverty, protecting the planet, and ensuring prosperity for all by 2030.

The Remote Village Electrification Project mentioned in the beginning had contributed to what is defined in the SDG missions later declared by the United Nations.In one way, the project was directly contributing to what is defined later by UN in the SDG-7 by providing clean and affordable energy to hundreds of remote villages.

Renewable energy is a crucial driver in achieving the United Nations' Sustainable Development Goals (SDGs), especially SDG-7, SDG 11 and SDG 13.

SDG 7: Affordable and Clean Energy

The United Nations has adopted the Sustainable Development Goals (SDGs) to address the global developmental priorities, including the provision of clean and affordable energy to communities. In line with this, the 7th SDG focuses on ensuring access to clean and affordable energy for all. Solar microgrids and renewable energy-based distributed generation play a crucial role in achieving Sustainable Development Goal 7 (SDG7), which aims to ensure access to affordable, reliable, sustainable, and modern energy for all. These decentralized energy solutions are particularly important in addressing energy poverty in remote areas and underserved communities where grid access is limited or unreliable. By harnessing the power of solar energy and other renewable sources at a local level, microgrids can provide clean electricity to households, schools, health clinics, and small businesses. thereby improving livelihoods, enhancing education and healthcare services, and stimulating economic growth. Furthermore, solar microgrids and distributed generation systems contribute to mitigating climate change by reducing greenhouse gas emissions and promoting sustainable development practices. Embracing these technologies not only helps expand energy access but also fosters community resilience, energy independence, and environmental sustainability, ultimately advancing progress towards SDG7 and creating a more inclusive and sustainable energy future for all.

In addition to the above, Renewable energy sources like solar, wind, hydro, and geothermal offer numerous benefits, including:

- Cost-effective energy solutions, reducing energy poverty and increasing access to energy for underserved communities
- Improved energy security, reducing dependence on imported fuels and enhancing energy self-sufficiency
- · Enhancing energy resilience and reliability
- Empowering local communities to manage their energy resources
- Promoting energy democracy and reducing energy poverty

SDG 11: Sustainable Cities and Communities

Sustainable Development Goal 11 (SDG11) can be closely linked to renewable energy in several ways, as renewable energy technologies and practices play a significant role in promoting sustainable and resilient cities and communities:

- Renewable energy for power generation: Integrating renewable energy sources like solar, wind, hydro, and geothermal power into urban energy systems can help cities reduce their reliance on fossil fuels and lower greenhouse gas emissions. By transitioning to renewable energy sources for electricity generation, cities can contribute to cleaner air, reduced pollution, and improved public health.
- Distributed renewable energy generation: Implementing distributed renewable energy systems, such as rooftop solar panels, small wind turbines, and community microgrids, can enhance energy access, reliability, and resilience in urban areas. These decentralized energy solutions empower communities to generate their own clean electricity, reduce grid dependency, and build energy self-sufficiency.

- 3. Renewable energy in buildings: Encouraging the adoption of renewable energy technologies in buildings, such as solar photovoltaic systems, solar water heaters, and geothermal heat pumps, can help improve energy efficiency and reduce carbon emissions in the construction sector. Integrating renewable energy solutions into building design and operations can contribute to sustainable urban development and climate action.
- 4. Sustainable transport powered by renewable energy: Promoting electric vehicles (EVs) and supporting the deployment of charging infrastructure powered by renewable energy sources can help reduce emissions from the transportation sector in cities. Transitioning to electric mobility and integrating renewable energy into public transportation systems can contribute to cleaner air, lower noise pollution, and enhanced urban liveability.
- 5. Renewable energy for resilience and adaptation: Renewable energy technologies can enhance urban resilience to climate change by providing reliable power during extreme weather events and natural disasters. Off-grid renewable energy solutions. energy storage systems, and smart grid technologies can help cities maintain critical services, support emergency response efforts, and strengthen community resilience in the face of climate-related challenges. By leveraging renewable energy solutions and promoting sustainable energy practices, cities and communities can advance the objectives of SDG11 by fostering environmentally-friendly urban development, reducing carbon footprints, enhancing energy security, and promoting resilient and inclusive urban ecosystems.

SDG 13: Climate Action

Renewable energy is a crucial enabler of Sustainable Development Goal 13 (SDG 13), which prioritizes Climate Action. The contribution of renewable energy to SDG 13 is multifaceted:

 Decarbonization: Renewable energy sources like solar, wind, hydro, and geothermal power produce electricity without releasing greenhouse gases,

- thereby significantly reducing emissions and helping to combat climate change.
- 2. *Fossil Fuel Divestment*: Transitioning to renewable energy reduces dependence on fossil fuels, the primary drivers of global warming, and helps limit global temperature increases.
- *Climate Resilience*: Renewable energy technologies enhance resilience to climate change impacts by providing reliable energy access during natural disasters or in remote areas, thanks to distributed systems like solar panels.
- 4. *Sustainable Energy Practices*: Adopting renewable energy encourages the use of clean, environmentally friendly energy sources, aligning with the goals of reducing carbon emissions and addressing climate change.

There are other SDGs indirectly benefited by the contribution of Renewable Energy which includes SDG 3 and SDG 8.

SDG 3: Good Health and Well-being

Renewable energy sources reduce air pollution, leading to improved air quality and enhanced public health outcomes.

SDG 8: Decent Work and Economic Growth

The renewable energy sector stimulates job creation, economic growth, and sustainable development, aligning with SDG 8 objectives.

In summary, embracing renewable energy represents a crucial stride in realizing the Sustainable Development Goals set forth by the United Nations. By furnishing affordable, clean, and sustainable energy, renewable energy sources assume a pivotal role in advancing SDG 7, while also making significant contributions to SDG 11 (Sustainable Cities and Communities), SDG 13 (Climate Action), SDG 3 (Good Health and Well-being), SDG 8 (Decent Work and Economic Growth) are also got benefitted from the deployment of more renewables. As the global shift towards a low-carbon economy gains momentum, the significance of renewable energy in promoting sustainable development and addressing

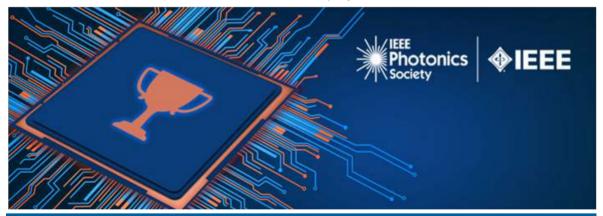
climate change is commentable. With its manifold advantages such as cost efficiency, energy reliability, and employment generation, renewable energy stands poised to emerge as a primary catalyst for a sustainable future, ultimately aiding in the fulfilment of the UN's SDGs and the creation of a better world for all.

References:

- Katila P, Pierce Colfer CJ, de Jong W, Galloway G, Pacheco P, Winkel G, eds. Sustainable Development Goals: Their Impacts on Forests and People. In: Sustainable Development Goals: Their Impacts on Forests and People. Cambridge University Press; 2019:i-ii
- Jagger P, Bailis R, Dermawan A, Kittner N, McCord R. SDG 7: Affordable and Clean Energy – How Access to Affordable and Clean Energy Affects Forests and Forest-Based Livelihoods. In: Katila P, Pierce Colfer CJ, de Jong W, Galloway G, Pacheco P, Winkel G, eds. Sustainable Development Goals: Their Impacts on Forests and People. Cambridge University Press; 2019:206-236.

- Devisscher T, Konijnendijk C, Nesbitt L, et al. SDG 11: Sustainable Cities and Communities – Impacts on Forests and Forest-Based Livelihoods. In: Katila P, Pierce Colfer CJ, de Jong W, Galloway G, Pacheco P, Winkel G, eds. Sustainable Development Goals: Their Impacts on Forests and People. Cambridge University Press; 2019:349-385.
- 4. Louman B, Keenan RJ, Kleinschmit D, et al. SDG 13: Climate Action – Impacts on Forests and People. In: Katila P, Pierce Colfer CJ, de Jong W, Galloway G, Pacheco P, Winkel G, eds. Sustainable Development Goals: Their Impacts on Forests and People. Cambridge University Press; 2019:419-444.
- DuraiPrabhakaranRaghavalu, Thirumalai (Editor), K Prabhakar (Editor), SA Kale Editor)Renewable Energy & Sustainable Development (Renewable Energy: Research, Development and Policies)

(Author is an enthusiastic and promising professional, currently Additional Chief Technical Manager, ANERT, Dept. of Power, Govt. of Kerala & Chair IEEE PES Kerala Chapter)



CALL FOR NOMINATIONS 2025 IEEE Photonics Young Investigator Award

Nomination deadline: 30.08.2024

Diary of Events In & Around IC

Events in the Second Quarter

April 2024

- 05-07 I2CT, International Conference on 'Convergence of Technology', by Pune Section.

 Event 'Pratima': Sculture of Technology organized at G.H Raisoni College of Engineering, Pune.
- 66 'MASYPRENEUR Event' by YP Madras Section at Rajalekshmi Engineering College.
- 07 Webinar on "Physics of Remote Sensing, Satellite Imaging, Applications, and Career Opportunities." by Dr. K.M.M.Rao, Former Deputy Director, ISRO, Former Adjunct Faculty, Bits-Pilani, Hyderabad Jointly By Lmag, Hyderabad Section And Educational Society Chapter.

A webinar and discussion platformfor Gate qualified candidates and their mentoe faculty. Speakers: Prof.TVenkatesh and Prof. S M Sameer, the program by IEEE IC in association with IEEE Kochi Subsection.

- DML by Prof. QuanXue South China University organized by Hyderabad Section.
- 14-15 Education Week Delhi Section first event Cyber Savvy Features: Nurturing Sustainable Digital Citizenship.
- 14-16 IEEE Life Members Conference to hold at Hyatt Regenct, Austin, Texas, USA.
- 14- 20 Celebration of IEEE Education Week-Education Activities by IEEE Region 10, India Council, Delhi Section, NSUT.

Edn Week program by Hyderabad Section.

First meeting of '10 Years of Student Coordination Team – Induction & Initiation 2024' under the leadership of Er. Vamsi Krishna Jadala, VC IC Student Activities & Student Coordination Team.

IEEE R10 Event- 'Industry Day —Innovation Unleashed: Exploring Industry Trends Shaping Tomorrow'. Table conference with IEEE Madras Section.

Workshop on full Stack Web development at Techno International New Town, Kolkata.

- 16-18 ASIC Design Flow at MITS Madanapalle by Hyderabad Section.
- 17 LMC meeting at Hyatt Regenct, Austin, Texas, USA.

IEEE India Council day

17 Edn Week program at KMCT College of Engg, Kerala.

18-23	Education week – at MRU – Delhi Section 3rd event.
18-19	Edn Week program in JUIT. Second event of Delhi Section.
19	IEEE Education Wek – A seminar on 'Digital Fabrication for a Sustainable World', at E-Block, SGT University. Delhi Section 4th event at JCBUST
20	A webinar on 'How to write a technical paper with a high probability of success' by Prof. Debabrata Das, Director IIIT Bangalore as a part of the celebration of Education Week.
	IC Sight Chairs meeting.
	PICT IEEE Antennas & Propagation Society SB Chapter organized a workshop on 'Design, Simulation and Implementation of Prototype Antenna', Pune section.
	Webinar on Machine Learning Software Engineering Patterns and Their Engineering Applications' by IEEE Computer Society Madras Chapter.
21	Panel discussion as a part of Pune Auto Expo organized by PES-IAS Chapter, Pune Section.
21-22	Grand finale of 'D Tales' Hackathon of Madras Section.
22	PES Day Celebration – Webinar on Enhance your IEEE Experience with PES by Madras Section.
23	Workshop on REACT & Node JS by Kolkata Section.
	Pune Section – PES annual event at 10.30 am.
25	Webinar on Intellectual Property and Effective Consulting organizing by Consultants Network, Bangalore Section.
	Edn Week event at St. Thomas College of Engg Technology, Kolkata.
	Edn Week celebration – webinar on Photonics for National Defence, by Madras Section.
	A webinar on AI &ChatGPT by Madras Section.
27	CESC Milestone Lecture at Jadavapur University Campus.
	'Stage 1 of IEEE R10 Robotics Competition 2024' at Sri Sairam Engineering College, Chennai.
	Commencement of MAS SIGHT Summit at Sriram Engineering College by Madras Section.
29-30	IEEE CS Tech Savants Carnival'24 at SA Engineering College by CS Students branch.
30	Technical Lecture program at Cooch Behar Govt Engineering College, Kolkata Section.
May 20	24
02	In person meeting of 2024 MOVE India core team with various vendors.
02-04	Pune Section – Education Society organized Symposium at Symbiosis Institute of Technology.
04	Panel discussion on 'Challenges and Impact of AI in RF integrated Chip Design' by CSS of

	Madras Section.		
07	A technical talk by Dr. Sudeep Kumar Adhikari at RKMGEC College, Kolkata Section.		
10	AP-S YP Ambassador Talk arranged by Hyderabad Section.		
	Hand on workshop on 'Around Applications in Medical Assistive Devices' at KS Rangaswamy College of Technology by EMBS Madras Section.		
	National Technology Day Webinar by IAS Madras Chapter.		
11	Edn Week – Cyber Security Quiz at NSUT, 6th Event of Delhi Section.		
15	Last date to submit Paper for TENSYMP		
16-18	International Conference on Recent Advances in Intelligent Computational Systems (RAICS 2024) organized by Mar Athanasius College of Engineering Kothamangalam, Kerala and financially co-sponsored by IEEE Kerala Section.		
20	Webinar on 'IEEE WiE& R10 WiE Awards Awareness' by Madras Section.		
22	IC Execom online meeting from 07.30 to 08.30 pm		
24	SPS Day – Seminar on Deep Oscillatory Neural Networks by SPS Chapter of Madras Section.		
25	Panel discussion on 'Uses & Applications of Solar Energy In Agriculture & Fisheries' by Dr. C Sharmeela organized by IEE ADSF SIGHT, Madras section.		
28-31	23rd Intersociety Conference at Colorado, USA.		
June 20	24		
02	MD Activity Coordination Contest by Madras Section.		
07	PES/PELS/IAS Jt Chapter organized DLP by GPREC Kurnool.		
14	DLP by Prof. Keyue Ma Smedley of University of California arranged by PES Chapter Hyderabad Section.		
15	Last date for Nominations for President Elect 2026.		
	Foundation Day celebrations (Online) under the leadership of Dr. Lakshminarayana Sadasivuni, Vice Chair, Branding & Member Benefits.		
21-23	CONIT'24 IEEE International Conference on Intelligent Technologies, Hubballi, India.		
22	Distiguished Microwave Lecture on '100-300 Ghz Wireless: Transistors, IC's, Syatems' by Prof. Mark Rodwell from Uty of California at UCE, Osmania University.		
25	MAS SPF – Student Project Funding Expo at BM Birla Planetarium, Chennai.		
	Webinar on Nuances of Machine Learning at VIT University, Vellore.		

- 28. MTT-S/AP-S Workshop and Students Conclave by Hyderabad Section.
- 29-30 Two days' conclave in Microwave, Antenna and Electromagnetics in connection with WiE Day Celebrations by Hyderabad Section.
- 30 Last date for Nominations for President Elect.

Forthcoming Events

July 2024

- 11 LMAG IC webinar of LMAG Kolkata
- 15 Inauguration of LAUNCHPAD Kerala at Clubhouse, Technopark, Trivandrum.
- 15-19 'Orlando', 46th Annual International Conference on EMBS
- Inauguration of IEEE Control System Society Chapter of Kerala Section at NIT Calicut in Hybrid mode.
- 19-20 R10 WIE IEEE DEI funded event talk by Dr. Mini Ulanath, immediate past Chair of Kerala Section, on 'Advocating for Women in Leadership Roles' hosted by WIE AG Hyderabad.
- Webinar is being organized by IEEE Hyderabad Section (HS) Reliability Society Chapter (RSC) with the resource person, Sri. Somnath Pal on "Quantified RAMS based Infrastructure Asset Management
- 21 IC Execom at Bangaluru from 07.00 to 07.45 pm with IEEE President, President-Elect, MGA VP, R10 Director, at Zinnia, Sheraton Whitefield.
- A special podcast premiere on World Brain Day, featuring Dr. Deepak Ranade and Dr. VaishalyBharambe at 5.00 pm. Platform: You Tube.
 - ACRC Webinar -by Prof Alex James of Digital University of Kerala
- 22-23 Technical Conference SPACE 2024 at Sheraton Grand Bengaluru Whitefield Hotel & Convention Center.
- PES Kerala Chapter presents 'Women of Wisdom (WOW) Tech talk series, its beginning.
- Next webinar on Thursday. 7 to 8pm. Topic:"Technology Vision 2035 for India and its impact"Expert: DrPrabhatRanjan(his book was released by PM during science congress the book is sequel to APJs vision 2020)
- 27 CoreEL Edu Summit –Seminar at Hotel Radisson Blu, Kochi, IEEE Kerala Section.

August 2024

15 2024 IEEE Annual Election balloting start.

- 22-24 'INDISCON' 5th India Council International Subsections Conference. Theme-Science, Technology & Society at Panjab Engineering College, Sector 12, Chandigarh, Panjab.
- INARA the world's first Gen-Al designed fashion show at Rajagiri School of Engg& Technology, Kochi, sponsored by IEEE Computer Society of Kerala Section.

September 2024

- 01-04 'BIOROB-2024' Conference on EMBS at Heidelberg, Germany.
- 22-25 International Conference on Machine Learning for Signal Processing Conferences & Events at London, UK.
- 27-29 TENSYMP 2024 organize by Delhi Section at Hotel Welcome, Sector 10 Dwaraka and Netaji SubhashUnivercity of Technology, Dwaraka, New Delhi.

October 2024

01 IEEE Day Celebrations

November 2024

21-23 SectionConferenceDELCON2024to be hosted by BVICAM, New Delhi

November 2024

19-21 'INDICON' - 21st India Council International Conference sponsored by IEEE Kharagpur Section.

December 2024

The second LM Conference, LMC 2025, is planned in Boston, Massachusetts, USA from.

June 2025

11 -13 The second LM Conference, LMC 2025, is planned in Boston, Massachusetts, USA. The link for the preliminary information about the conference LMC 2025, is :https://life.ieee.org/save-the-date-2025-ieee-life-members-conference-11-13-june/.

IEEE SPICES 2024

September 20-22, 2024
Organized by Kerala Section

Bangalore Section

IEEE ISGT Asia 2024 Conference

IEEE PES Bangalore Chapter hosts the 13th IEEE PES ISGT ASIA 2024 in Bangalore, the Silicon Valley of India, from 10-13 November 2024.

IEEE ISGT Asia is a flagship event that gathers pioneers, experts, and enthusiasts in the realm of smart grid technologies. Building on the success of past conferences, ISGT Asia 2024 promises an immersive experience that explores the latest advancements in energy management.

Submission of research papers.

The following subject areas are available for paper submission.

1	Communications in smart distribution and transmission grids
2	Cyber security in power systems
3	Data analytics, IOT, Machine learning and Artificial Intelligence Applications to POWER ENGINEERING
4	Distribution management systems and distribution grids
5	Electric Mobility
6	Energy Storage, Power electronic converters and power quality
7	High performance computing applications
8	High Voltage Engineering
9	Measurements, Condition Monitoring and Asset Management
10	Power Markets, Ancillary services
11	Power System Planning and Analysis
12	Power System Protection and Safety
13	Power system simulations, modeling, operation, control and stability
14	Power Transmission, FACTS and HVDC
15	Renewables Integration in Distribution Systems: Planning, Operation and Control
16	Renewables Integration in Large Grids: Planning, Operation and Control
17	Resiliency and Reliability
18	Special Topics and Case Studies
19	Standards and Regulations
20	Special Topics (Any topics not covered in the other tracks can be submitted here)

THE PIEEE

Delhi Section







IEEE WIE AG DELHI SECTION IEEE core purpose is to foster technological innovation and excellence for the benefit of humanity

SUSTAINABLE FUTURE

AUGUST 10-11, 2024 INDIA INTERNATIONAL CENTRE, NEW DELHI

ANNUAL WIE LEADERSHIP SUMMIT UNDER IEEE WIE (USA) SINCE 2015

Website: ilsdelhi2024ieee.org



IEEE WIE AG DELFII SECTIONAL
LEADERSHIP SUMMIT
2024
RESILIENCE AND
INNOVATION:

IEEE WIE AG
IEEE Wile IS one of the larged
women engineering (WIE) is one of the larged
women engineering and scientists, and inspiring girls around the
complete interests in a career in
engineering. The mission of IEEE WIE is to facilitate the
engineering. The mission of retention of women in trechial disciplines
globally:
The misl aim of IEEE WIE is to ensure that women are recruited.
The misl aim of IEEE WIE is to ensure that women are recruited.

globally.

The main aim of IEEE WIE is to ensure that women are recruited and retained in technical disciplines, and help them to break down barriers that are posed by gender-based stereotypes and discrimination.

IEEE WIE MISSION & VISION

Our goal is to facilitate the recruitment and retention of women in technical disciplines globally. We envision a vibrant community of IEEE women and men collectively using their diverse talents to innovate for the benefit of

WIE AGENDA

- WIE AGENDA

 IEE WIT strives to

 Regulies the outstanding achievements of women in electrical
 Regulies the outstanding achievements of women in electrical
 Regulies the contracting through IEEE Awards nominations.
 Organice receptions of major technical conferences to enhance
 networking and to promote membership in WIE.

 Advocate women in leadership roles in IEEE governance, and
 carser advancement for women in the profession.

 Provide assistance with the farmation of new WIE Affinity
 Groups, and support engaging activities.

 Facilitate the development of programs and activities that
 promote the entry into, and retention of, WIE programs.

 Administrer the IEEE Student-Teacher and Research
 Improcessionatics (TATA) program to mentor young women in
 junior and high schools.

LEADERSHIP SUMMIT

WIE AG DELHI SECTION ILEX WIL AG Deshi Section is a specialized branch of the ILEX dedicated to obvarcing gender diversity and promoting the dedicated to obvarcing gender diversity and promoting the technology, engineering, and mathematics (STEM). This group operates within the Deshi Section of IEEE, a global professional organization for technology exhibicists.

WIE AG ACHIEVEMENTS

WIE AG ACHIEVEMENTS
In ISEX WIFE AG Delhi Section, we enhanted on a transformative journey, leaving a lasting impact. They organized technical workshops, dataritised citches to the less fortunate, and taught practical skills like household appliance in the proposal properties of the less desired and decision of the important topics, feelitated personal growth, and expanded their reach by providing computer training and exceedance on the properties of the pro

ABOUT ILS

The IEEE WIE International Leadership Summit (ILS) is an annual program by IEEE WIE, addressing the under representation of women in science, engineering, and

on of women in science, engineering, and EEE Women to Regimeering International Leadership Burnwitte (ILS) pravide regional opportunities to foster networking, mentorship, and collaboration. With the leadership and cerativity of IEE Will Leadership and cerativity of IEE Will Leadership and cerativity of IEE Will control the plots of the leadership and paper to communities around the plots of the leadership and cerativity of voluntities, mentorship, and collaboration. With the teadership and cerativity of voluntities.

2000 as part of the portfolio of global initiatives the focus on Empowerment. Entrepreneurship, Leadership, and Entrepreneurship, Leadership, and













MOTIVATION TO ORGANIZE ILS

- The motive behind organizing the ILS is rooted in the recognition
 of the critical role that effective leadership plays in shaping the
 future of our interconnected world.
- To bring tegether visionary leaders, innovators, and change-makers from diverse backgrounds and nations to foster collaboration, share knowledge, and inspire transformative leadership.
- To create a platform for cross-cultural exchange and the dissemination of best practices and to address global challenges, drive positive change, and empower individuals to navigate the complexities of our rapidly evolving global landscape.

TRACKS

*

SPEAKERS

























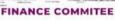






TICKETS For Participants

- Street Company :	- PRESIDENTE
manufacture 2	179
-	7.00
-	188
	100
-	144
	178







TECHNICAL COMMITEE





STUDENT COORDINATORS

















Empowering Women Leaders in Changing World

Hyderabad Section

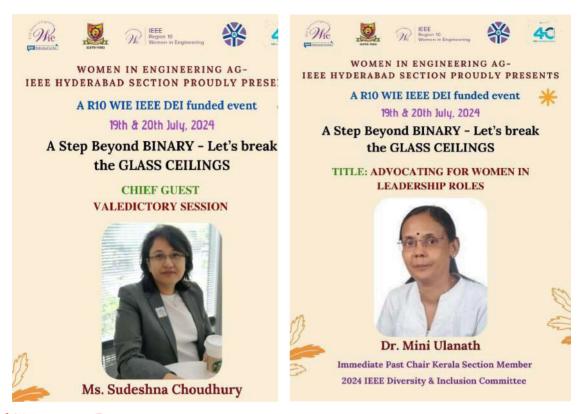
A Step Beyond BINARY...

The IEEE WIE AG Hyderabad Section is organizing an event to spark creativity and promote inclusivity, promising an exciting opportunity for all participants. IEEE WIE R10 DEI Funded Event: "A Step Beyond BINARY - Let's break the GLASS CEILINGS" on 19th & 20th July, 2024 in HYBRID MODE.

This event aims to promote gender equity and enhance diversity in engineering. We are honored to welcome <u>Sudeshna Choudhury</u>, Consulting Partner in Sustainable Innovation and Vice Chair of IEEE India Council WIE, as our esteemed Chief Guest for the Valedictory Session. Her expertise in driving sustainable innovation and her leadership in promoting gender equity make her a beacon of inspiration. Also, honored to welcome Dr. Mini Ulanat, Immediate Past Chair Kerala Section and Member 2024 IEEE Diversity and Inclusion Committee. Don't miss this opportunity to be part of a transformative movement towards equality and excellence in technology and engineering. Register and Join the Valedictory session and encourage the winners.



Hyderabad Section



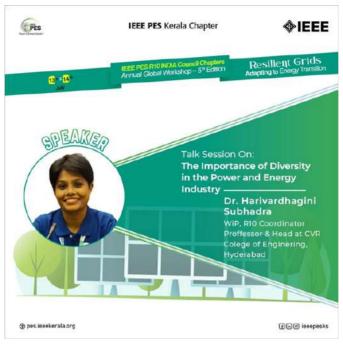
Madras Section

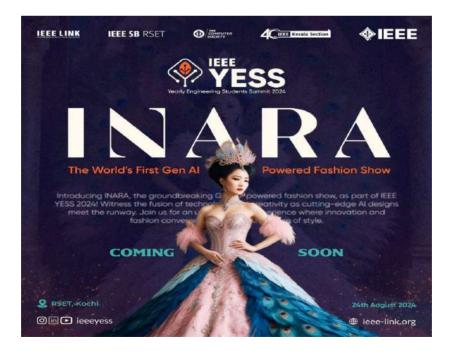
10th IEEE WIECON-ECE 2024, 05-06 OCT, 2024 Venue: College of Engineering, Guindy (CEG), Anna University, Chennai, Tamil

Nadu, India, 600025



Kerala Section





Kharagpur Section





Indo-UK Capacity **Building Symposium**

Sustainable Energy Transition: Engineering, **Entrepreneurship** and Wellbeing

8 - 12 July, 2024

Organized by Indian Institute of Technology

Kharagpur, India

University of Birmingham, England

Under the Scheme for **Promotion of Academic and** Research Collaboration SPARC-3

About the Workshop

national and international experts in renewable energy and sustainability.

The capacity-building workshop invites students, post-docs, and professionals from industry and academia to participate in a weeklong program at the School of Energy Science and Engineering at IIT Kharagpur.

The workshop includes lectures, hands-on training, panel discussions, and laboratory visits. Participants will be provided with a certificate for the successful completion of the workshop.

About the Collaboration

Under the SPARC-UKIERI scheme, IIT KGP and the University of Birmingham have joined hands for the Capacity Building Project on An Interdisciplinary Approach to Sustainable Energy Transition to Equitable Systems: The Role of The workshop will be conducted by Solar Energy and Thermal Storage within the UK-India

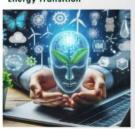
> contexts. The top performers of the workshop will be selected for a fully funded

training and capacity-building program at the University of



Workshop Theme

- Net Zero Transition, the UNSDGs. and the role of solar energy
- Renewable Energy Landscape: the Present and the Future.
- Energy Trilemma Affordability, Sustainability, and Security
- Health and Wellbeing in the Era of Climate Change
- Energy policies leveraging Digitalization and AIML
- . The Parliament and Policymaking in the UK and India
- · Introduction to Project Valuation and Financing for a Sustainable **Energy Transition**





- Eligibility- Faculty Members, Research Scholars, PG/UG students from Engineering/Science/Management/Law
- https://erp.iitkgp.ac.in/CEP/courses.htm
- · Following your registration on the portal, vou can request accommodation at https://forms.gle/vFLEhZsVvG6eRQS46
- · For any query, kindly mail at thermalsese@gmail.com



In Association with the SDA committee India Council





Convener

Dr. Chirodeep Bakli School of Energy Science and Engg., IIT Kharagpur Co-Conveners

Dr. Shivangi Sharma Mechanical Engineering University of Birmingham Prof. Abhinay Kant Goval

Chair in Finance. University of Birmingham





9C - IAYPC News

IEEE India CouncilIndustry Academia Young Professionals Committee [IAYPC]

IEEE India Council-Professional Mentoring Program-2024

IEEE India Council Industry Academia Young Professionals Committee [IAYPC] is launching our Professional Mentoring Program for young faculty members and students. Through this program, we aim to create a supportive environment where members can grow professionally and personally, share knowledge, build networks, and actively engage with the IEEE community. The program is designed to enhance the skills, confidence, and career prospects of mentees. It also provides mentors with the opportunity to give back to the community and develop their mentoring skills.

As part of this initiative, we are seeking dedicated and enthusiastic faculty members from the Indian IEEE community to guide and support aspiring young faculty members and students in their professional and personal development.

Roles and Responsibilities:

- Mentor Role: Mentors will provide guidance, advice, and support to mentees (maximum 3 mentees per mentor) based on their expertise and experience through one-to-one online meetings.
- Time Commitment: Program is spanning from August to November, 2024. Mentors are expected to commit approximately 4 hours per month to meeting mentees via online mode.
- Eligibility: Mentors should be IEEE members and should have Ph.D degrees in ECE/CSE/EEE/IT or allied streams. Minimum of 10 years of work experience is desirable.

If you are a faculty member meeting the above qualifications, we would very much like you to participate with us in this program. Your mentorship can provide great benefits to the young faculty members and students for their academic and professional growth in various dimensions. We look forward to your participation in this enriching mentorship initiative!

All selected mentors will get a certificate from the IEEE India Council at the end of the mentoring program.

How to Apply?

Interested faculty mentors are invited to submit their applications by 28.06.2024 via the online registration form.

Registration Form: https://forms.gle/j743ddWAep8piMfY8

1C - IAYPC News

IEEE India CouncilIndustry Academia Young Professionals Committee [IAYPC]

IEEE India Council - Student Mentorship Program 2024

The IEEE India Council Industry Academia Young Professionals Committee (IAYPC) has opened the call for student mentees for the Student Mentorship Program (SMP) tailored exclusively for students who are looking forward to career growth and higher studies input through online one-to-one personalized mentoring from senior academicians'/industry experts. The SMP offers professional support and networking opportunities to students of B.E/B.Tech, M.E/M.Tech, M.Sc, MCA, and Ph.D. courses. Upon successful completion of the program, mentees will receive a certificate from the IEEE India Council.

Eligibility

Students in their pre-final/final year of B.E/B.Tech, M.E/M.Tech. from CSE/IT/ ECE/EEE or other allied engineering branches, M.Sc., MCA and Ph.D are eligible to be considered as mentees.

Registration form: https://forms.gle/kTt61f8xMHeegCMW7 [Last Date: 15.07.2024]

Program Duration: 20.08.2024 to 20.12.2024 (4 months)

For more details visit the brochure attached.

For queries contact the following.

Dr. S. Harivardhagini [Program Coordinator]

Professor, CVRCE, Hyderabad, harivardhagini@ieee.org (9985147962)

Dr. Elizabeth Rita Samuel [Program Coordinator]

Associate Professor, RSET, Kochi, elizabethrs@rajagititech.edu.in (9447305837)

IC EXECOMS

India Council EXECOM#3_Online

The third EXECOM Meeting (EXECOM#3_Online) for 2024 was held on 22nd May 2024 (Wednesday) from 7:30 pm to 8:30 pm.

India Council EXECOM#4_Hybrid mode

The fourth EXECOM Meeting (EXECOM#3_Online) for 2024 is proposed to held on 21st July 2024 (Sunday) from 7:00 pm onwards with IEEE President, President Elect, MGA VP, R10 Director at Sheraton Grand Bengaluru Whitefield Hotel & Convention Centre, Bangalore.

For on-line participants: Meeting link:https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m1412a9981a5eabd34effae075052e47d

1MAG





IEEE R10 SYWL CONGRESS 2024 Thursday, August 29th - Sunday, September 1st

IEEE R10 SYWL Congress is a biannual event of IEEE Region 10, Asia Pacific Region, for fostering volunteer leadership for Students, Young Professionals, Women in Engineering and Life Members.

IEEE R10 SYWL CONGRESS 2024

COLLABORATIVE LEADERSHIP BEYOND VARIOUS BOUNDARIES

August 29th - September 1st National Olympics Memorial Youth Center, Tokyo

R10 DIRECTOR'S MESSAGE ON IEEE R10 SYWL CONGRESS 2024

Professor Lance Fung

IEEE R10 Students, Young Professionals, Women In Engineering and Life Members (SYWL) Congress is a bi-annual event of IEEE Asia-Pacific Region (R10). The event aims to foster volunteer leadership, and facilitates networking among the participants from different corners within the Region. R10 SYWL started in 2002 under the name "R10 Student Congress" in Singapore, and it has grown over the years. I would like to express my sincere thanks and gratitude to leaders and volunteers in the IEEE Japan Council, and from the nine sections in Japan, who



proposed to host the 2024 SYWL Congress in the centre of Tokyo, Japan. Their efforts and services are greatly appreciated by all from R10. The Congress is the best place to learn the collaborative leadership beyond various boundaries such as gender, ethical background, culture, religion, and geographical region/country/section differences. Participants will learn the environmental driver of IEEE Strategic Plan, "IEEE will foster a collaborative environment that is open, inclusive, and free of bias and will continue to sustain the strength, reach, and vitality of our organization for future generations." Once again, on behalf of IEEE Region 10, we are indebted to leaders and volunteers in Japan Council and sections for making 2024 SYWL a successful event, and the most memorable experience for all who attend! Thank you, Team IEEE Japan!

Introducing "Why IEEE - Communication Bundle for Young Professionals/Students"!



TEXTThese packages provide marketing materials to deliver a high quality and consistent look, feel, and message about the value of IEEE membership for each group. Included in these bundles is a customizable presentation slide template to help convey the value, benefits, and rewarding impact of membership and volunteering. There are also double-sided flyers that can be used at events and other visual placement opportunities. These new materials focus on the professional returns of membership and aims to excite both current and prospective members to boost recruitment and retention.

Download bundles **NOW!**

Why IEEE? Communication Bundle for Students

Why IEEE? Communication Bundle for Young Professionals

IEEE New Initiatives Program is looking for Bright Ideas!



The <u>IEEE New Initiatives</u> program helps bring great ideas to light. If you have an idea for a particular program, product, or service offering that can make a significant impact on IEEE members, the public, or a technical community, please share your vision with the IEEE New Initiatives Committee (NIC). The New Initiatives program can provide seed funding or higher levels of funding for innovative ideas.

NIC is excited to offer a new funding opportunity for 2024, Innovation Seed Grants. This opportunity is for high-impact projects requesting up to US \$100K! The program is for projects that take 12 months or less to complete and may be a precursor to a full New Initiative.

In addition to the new funding offering, NIC continues to offer these funding opportunities:

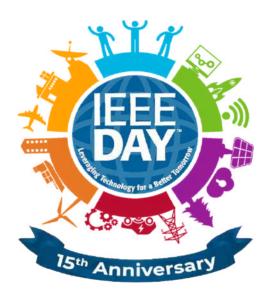
- **Seed Grants** for projects requesting up to US \$40,000 for new or pilot projects that typically last 12 months of less.
- **New Initiatives Grants** for large projects with higher funding requests that typically take up to 3 years to complete.

IEEE members, volunteers, and staff are encouraged to submit their ideas through their IEEE Organizational Units (OUs). NIC strongly encourages IEEE OUs to cooperate with each other on submissions.

There are no submission deadlines.

Please visit the **New Initiatives program webpage** to learn more and submit your idea today.

Apply to be an IEEE Day Ambassador!



Join us in celebrating IEEE Day and become an ambassador! This year IEEE Day is on 1 October 2024 it marks the 15th anniversary of this annual celebration.

As an ambassador, you'll help organize and promote IEEE Day in your local section and work with the IEEE Day team. You must be an IEEE member, and only serious candidates should apply.

Don't miss out! Apply Now and expand your network while shaping the future of technology!

Visit the <u>IEEE Day</u> page to learn more about IEEE Day.

If you have specific questions, reach out to the IEEE Day team through the <u>Contact</u> <u>Us</u> form.

Celebrate the IEEE Learning Network's 5th Anniversary

Did you know that 84% of learners on the IEEE Learning Network (ILN) would recommend a course to a friend or colleague? Since its launch in 2019, ILN has been instrumental in advancing professional development through its diverse array of nearly 1,500 courses. Check out our fun infographic and learn how ILN can help you meet your professional goals!

Special Offer: Join us by celebrating with a special offer of US\$5 off eligible courses.

Offer valid 1 July through 31 July 2024.



LMAG's Global award

Koruthu P Varughese Chair LMAG India Council received the LMAG's prestigious Global individual service award in the first ever Life Member Conference, LMC 2024 held in Austin, Texas, USA from 14-16 April 2024.

Kerala Section Bags Triple Crowns for Vibrancy of Life Member Activities

Global Life Member Committee (LMC under MGA) picked Kerala Section LMAG

For IEEE Outstanding LMAG Achievement Award 2024

"For Outstanding Outreach and Engagement with Life Members, Collaborators,

and Stakeholders, fostering a Network for Impactful programs across IEEE Kerala (India) Section."

The Presentation Ceremony is scheduled for 12 June 2025 at the 2nd Global LMAG Conference in Boston, MA, USA Award Amount: US\$ 2,000

2024 IEEE LMC Global Award for Outstanding Life Member Individual Service and

2024 IEEE Region-10 Award for Outstanding Life Member Individual Service

are bestowed on

V K Damodaran (IEEE 04119145) vkd@ieee.org Section: Kerala, India

"For Visionary Leadership in Advancing Education, Skill Development, Humanitarian Technologies, and

Promoting Climate Resilience and Sustainability."

The Presentation Ceremony is to be decided on venue and date in 2024

Award Amount from R-10: US\$ 500

IAS CMD Outstanding Chapter Awards 2024

Category	Region	Chapter Name	Chapter Chair	Country
Continued Outstanding Performance SB Chapter	Region 10	IEEE IAS-PES SB Chapter TIET, Patiala, Punjab, India	Aryaman Mohan	India
Continued Outstanding Performance Joint IAS Chapter	Region 5	Central Texas (PI) ² Chapter - PE31/PEL35/IE13/IA34/PSE43	Eric Meier	USA
Outstanding Joint IAS Chapter	Region 10	IA/IE/PELS Jt.Chapter Kerala	Vasanthi V	India
Outstanding Large IAS Chapter	Region 8	IEEE IAS Chapter - ENIS Student Branch	Rahma Ben Jmeaa	Tunisa
Outstanding SB Chapter	Region 8	National School of Elect & Telecom, Tunisa	Omar Guettat	Tunisia
Outstanding Small IAS Chapter	Region 8	IEEE Budapest University of Technology and Economics Joint Student Branch Chapter of IAS/PES	Botond Ilves	Budapes

IEEE President's Award



<u>Doreen Bogdan-Martin</u>
"For distinguished leadership and contributions to the public."

IEEE Medal of Honor



Vinton G. Cerf

"For co-creating the Internet architecture and providing sustained leadership in its phenomenal growth in becoming society's critical infrastructure."

IEEE Biomedical Engineering Award



<u>Nirmala (Nimmi) Ramanujam</u>

"For more globally accessible technology for women's health related to cancer screening, diagnosis, and treatment."



CALL FOR PAPERS

COMMITTEE Prof. Anand Srivastava | Vice Chancellor, NSUT, New Delhi Patrons Dr Madhu Chitkara | Pro Chancellor, Chitkara University Deepak Mathur | IEEE Vice President - MGA Prof. Lance Fung | Director, IEEE Region 10 Honorary Chairs Dr Takako Hashimoto | Director Elect, IEEE Region 10 Prof. Subrata Mukhopadhay | NSUT, New Delhi General Chairs Prof. Prerna Gaur | NSUT, New Delhi Chairperson, IEEE Prof. A. Q. Ansari I Jamia Millia Islamia, New Delhi Prof. Debabrat Das | Director, IIIT Bangalore Core Advisors Prof. Suresh Nair | Past Chair, IEEE India Council Organizing Chair Prof. Rajnish Sharma | Vice Chancellor, Chitkara University, HP

IMPORTANT DATE

Last Date of Submission of Full-papers	10 Muy 2024		
Paper Acceptance Notification	15 July 2024		
Early Bird Registration Deadline	30 July 2024		
Submission of Camera-ready Papers	15 August 2024		
Last Date of Registration	15 August 2024(for authors)		
tust bute of Registration	15 Contambas 2024/for control delegator		

REGISTRATION FEES

Visit Our Website for More information.

All accepted papers upon presentation will be sent for consideration of IEEE for publication on IEEE Xplore.



Weblink for Paper Submissions

https://ieeedelhi-tensymp2024.org/call-papers.php



Prospective authors are invited to submit original research papers (not being considered theoretical and/or experimental research results in the following tracks (but are not

Track-1 Computer and Information Technology

Prof. M N Hoda, Prof Manju Khari, JNU , Prof Manpreet Kathuria, Dr Shashank Awasthi,

Artificial & Augmented intelligence and their applications, Biametrics & RFID, Computational Intelligence, Deep Learning, Big Data Analytics, IOT, 5G Networks and Cloud

Track-2 Data Science, Cloud and Big Data Analytics Prof. Bijender Kumar - NSUT, New Delhi, Dr Sugandha Singh, SGT Univ, Dr Poon NSUT, Dr Gaurav Singhal, NSUT

Computing Technologies Algorithms Programming Languages Computing Architectures and Systems Computer Graphics, Vision and Animation Software and Database System,

Track-3 Electronics, VLSI Technology & Embedded System
Prof. Manoj Saxena - Delhi University, New Delhi, Dr Shruti Join, JUIT, Dr Arti Jain, NSUT,
Dr Patteti Krishna, NSUT, Prof Arun Singh, PEC, Dr Sneha Kabra
Electron Devices & Solid-State Circuits, Circuits and Systems, Consumer Electronics, Micro

and Nancelectronics, Photonics, RF Circuits

Track-4 Power, Energy and Power Electronics Prof. Bhim Singh, Indian Institute of Technology, Prof. B. K. Panigrahi, Indian Institute of Technology, Dr Arun Verma, IIT Jammu, Dr Ujjwal Kalla, NIT Delhi, Dr Diwakar Pathak Conventional, Renewable and Green Energy, Energy Storage Devices, Electric Vehicles and

Track-5 Communications and Signal Processing

Prof. Ranjan K. Mallik, Indian Institute of Technology, Dr Urvashi Bansal, NSUT, Prof Richa

Theory and Techniques, Electromagnetics, Intelligent Transportation Systems Track-6 Intelligent Control and Instrumentation
Prof Lilie Devan, NIT Kurukshetra, Dr Deepti Saxena, MNIT Jaipur, Dr Anli Kumar Yadav,

Intelligent Control Systems Robust, Fuzzy, Neural Network-based, Applications in inter-

Track-7 Biomedical Engineering and Healthcare Technologies
Prof V R Singh, NSUT, Dr Jyoti Yadav, NSUT, Dr Richa Sharma, NIT Jalandhai Biomedical Engineering and Healthcare Technologies Biomedical Signal Processing and Instrumentation, Wearable Sensors for Health care monitoring.

Track-8 Special Tracks: WIE, Industry, HTC, Education
WIE. Prof Freeti Bajaj, Pune, Dr Mini Ulanat, Kerala, Dr M Padma Sai, Hyderabad, Dr Foram
Chandarana, Gujarat, Dr Rashmi Agrawal, JC Bose University
Industry: Mr Sanjay Kar Choudhary, Mr Ajai Goel, Mr K Y N Pawan Kumar, Mr Sanjay

HTC: Prof Rajender Sinh Jadeja, Marwadi University, Prof A Q Ansari, JMI, Abhishek Appaji, , Dr Naresh Kumar, G L Bajaj

Education: Prof Rajashree Jain, Pune, Dr Vijayalata Reddy, Hyderabad , Dr Gunjan Varshney, JSS, Dr Ritambra Parashar, JCERC, Dr Anuradha Tomar, NSUT, Dr Pankaj Sharma, R D College

Product Safety & Reliability Engineering, Social and Humanitarian Implications of Technology, Theoretical Computer Science, Emerging technologies and their applications in education, publications, tourism, healthcare, agriculture etc

Write to us for queries or to unsuscribe: Email: tensymp2024@nsut.ac.in | Conference website: ieeedelhi-tensymp2024.org

IEE is proud to celebrate 140 years of advancing technology for the benefit of humanity. Thank you to the engineers and technologists who have made it all possible.

Join us as we embark to the next chapter of technological innovation.

Celebrating 140 Years of Advancing Technology for the Benefit of Humanity.