

ICVAANI

IEEE India Council Newsletter

IEEE INDIA COUNCIL

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Dr. K.Gopalan Nair

Contents

Chairman's Message

Editorial

1. **India Council Activities**
2. **Section Activities**
3. **Students & YP's Corner**
4. **IC ExeCom Members 2024**
5. **Events in & around IC**

Events in the Quarter

Forthcoming Events

6. **General News & Announcements**

Sections

IC

R10/MGA

Global

7. **IC Mega Events 2024**
8. **Awards**

INSIDE

Chairman's Message	03
Editorial	04
Section – 1 IC Activities	05 .. 38
1. Educational Activities	06
2. Humanitarian Activities	11
3. Industry Academia	14
4. Life Member A G	17
5. Member Benefit	25
6. Membership Development	27
7. Student Activities	29
8. WIE	32
9. Young Professionals	37
Section – 2 Section Activities	39 .. 114
1. Bangalore	40
2. Delhi	42
3. Hyderabad	43
4. Kerala	52
5. Kolkata	75
6. Madras	84
7. Pune	102
8. Vizag	114
Section –3 Miscellaneous Reports & Announcements	115 .. 155
1. Stud & YP - Upskilling Engineers	116
2. ExeCom 2024 Members - Photos	118
3. ExeCom Meetings #1 & #2	122
4. Diary of Events	124
5. General News – Bangalore, Delhi, Kerala, Kolkata, Madras, Pune, LMAG, R10/MGA, Global	131
6. INDISCON	142
7. TENSYP	143
8. INDICON	144
9. Awards 2023 – Madras, Bangalore	145
10. Awards – Notifications	155

Message from Chair IEEE India Council



Dr. Deabrata Das

Dear Esteemed IEEE Members,

Greetings from IEEE India Council (IC)!

It is a pleasure to release the first quarter of 2024 this digital form of Newsletter (IC-Vaani) and update some of the activities of IC, Sections, Sub-sections, Societies, Affinity groups of IEEE. First of all, appreciate all the volunteers for their membership continuation. I want to thank all the meticulous works of Prof. K.Gopalan Nair, Editor of IC-Vaani, Mr Biju G R, Associate Editor and others members of the team to collate all the information as well as shaping this first quarter edition of 2024 IC-Vaani.

As we know, Students + YP are our major strength with respect to membership and future of the society. It is a great pleasure to say that, IC completed 10 years of formation of Student Activity Committee (SAC) in execom during Mr. Deepak Mathur as Chair of IC (now VP, MGA) and Prof. Preeti Bajaj as VC of SAC at that time. Later on all the IC Chairs and VCs of SAC had conducted many events for students, YP and others, which lead to a large yearly event of IC, i.e., AISYWLC (All India Students Young-Professionals Women-in-Engineering and Life-Members Congress). I want to thank present VC SAC Mr. Vamsi Krishna Jadala and his team for his leadership to host multiple events.

As IEEE has been expanding to remote areas engineering colleges, IC planned to host the first execom meeting of year 2024 in rural India's one of the engineering colleges campus, named Sasi Institute of Technology & Engineering, Kadakatla, Tadepalligudem, West Godavari District, Andhra Pradesh on 24th February 2024. It was attended by present VP MGA, Chair, Chair Elect, Secretary and other members of IC. Thanks to Prof. Lakshminarayana Garu, VC IC and former Chair of IEEE Vizag Section, for meticulous planning and execution of the event. It helped the IC office bearers to understand the eco-systems and challenges in rural India to run a IEEE branch. Moreover, the college and nearby institutions got encouraged by the presence and talks by the execom members of IC.

The second IC meeting was hosted at Kuala Lumpur on 3rd March 2024 during the sideline of IEEE R10 congress. During the meeting various activities of IC was discussed. It was also suggested to increase the voting % during elections.

Thanks to Prof. Prerna, R10 and Delhi Section for organizing IEEE's Education week along with IC. Appreciate Ms. Sadhna and MOVE team for doing training and awareness programs.

We are looking forward to grand INDISCON, AISYWLC, and INDICON, the major flagship events of IEEE India Council. Thanks to the organizing team of INDISCON and their publicity, which resulted to 2000+ papers submission.

I want to place on record the support of all Vice Chairs, close and cordial association of all the Sections and Sub-Sections' Volunteers and respective Chairs as well as Society, Chapters and Affinity groups.

Warm Regards,

Dr. Deabrata Das

Chair, IEEE India Council

Editorial

“Life is a matter of choices, and every choice we make makes us.” -John C. Maxwell

We are the creative force of our life. When we speak about life, it is about numerous choices therein. Life presents us with so many decisions by choosing apposite from innumerable. We cannot make progress without arriving at decisions. Our life changes at the moment when we make a new, congruent and committed decision. Through our own decisions rather than our conditions we proceed with the changes. We only are responsible for our choices and decisions.

Sometimes, we need to make a decision. Then we become overwhelmed or feel pressured into coming to a conclusion immediately. At times, a decision may not require right away. Even then we feel a sense of urgency. We may also feel that we do not have enough time to make a wise choice for ourselves leading to exaggeration. In this context, we can release the pressure with a deep breath and proceed to make the best use of our time. Whatever we decide to do, make sure that it makes us happy. In our moments of decision, our destiny is shaped, at the same time nothing happens until we decide.

How to proceed with making a decision? The point of making a decision is to achieve a certain outcome. So we have to start with the end in mind. Gather all facts we can find about it. These data can be analyzed to derive valuable insights. We can allow ourselves to sit with them and sort them up to extract useful information. Once all logical information we needed are extracted, we must allow ourselves to marinate an intellectual understanding on the choices. We can think on it for its readiness as we go in order to decide if more time or ingredients are needed. We can take time to visualize ourselves playing out the various scenarios to see which the best seems. Then we must remind ourselves of our goals by listening for guidance in concentrating the objectives. Making decisions based on their current situation may not lead to success. Any of these techniques can add depth and flavour to our decisions. This will also create a dynamism in our life. Ultimately through our own decisions rather than our conditions, we carefully learn to do things to accomplish our goals.

Actually, we are solely responsible for our choices. What we have to accept the consequences of every deed, word and thought throughout our lifetime, is quite natural. It is not hard to make decisions when we know what our values are. Make and be confident in our own decisions. We need not look for other's approval for everything. Live our life and do what we want. Eventually, be confident with the fact that life is filled with difficult decisions and winners are those who craft them with full intention.

‘Good decisions come from experience, and experience comes from bad decisions’.



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

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

Section-1
IC Activities



Dr. Prerna Gaur
Vice Chair & Chair Elect

Educational Activities

Working hard is an essential requirement to be successful in our career. IEEE is also making a difference in the world through education giving us a sense of achievement and joy in our career. In April, it organizes a special program, 'IEEE Education Week'. Now, the first quarter of 2024 has vanished with some conscious efforts to organize and how practically conduct the ensuing Education Week in April.

IEEE Education Week is a weeklong celebration of educational opportunities provided by IEEE and its many organizational units, societies and councils from around the world. This week is a great way to explore education programs and offerings from IEEE and will highlight educational programs and resources for students, educators, and technical professionals on their journey of lifelong learning. IEEE offers pre-university STEM, university, and continuing professional education resources for engineers and technical professionals all over the globe! From local and regional activities, to webinars and online courses, to scholarships and events, and so much more. It also offers members and the global community a wealth of educational resources. IEEE members receive free and discounted access to many of these events and resources, so be sure to check them out!

In the current year IEEE Education Week celebration is planned to conduct in the period 14-20 April 2024 and to make this week a great way to showcase all of the amazing work that IEEE volunteers and members do every day to promote education at every level. Some actionable tips have been formulated and those are

reflected through this report.

Celebration of IEEE Education Week (April 14-20, 2024)

by India Council under Region 10. The following 11 proposals were received to celebrate Education Week

Theme: Cyber Savvy/ Sustainability (WasTe Management)

The objective of this week's celebration 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.

11 IEEE Organizational Units (Council/Section/Subsection/Chapter/Branch) are organizing theme-based activities during Education Week. The celebration includes guest speakers, panel discussions, cyber security/ waste management demonstrations, or interactive workshops.

1	NOIDA, UP Section	GL Bajaj Institute of Technology and Management, greater Noida, affiliated to AKTU.
2	Faridabad, Delhi Section	J.C. Bose University of Science and Technology
3	Faridabad, Delhi Section	ManavRachna University
4	UP Section	MNNIT Allahabad

5	Hyderabad Section	Chairman, IEEE Educational Activities, Hyderabad Section
6	Kerala Section	APJ Abdul Kalam Technological University, Kerala
7	Delhi, Delhi Section	Netaji Subhas University of Technology
8	Delhi Delhi Section	GGSIPU
9	Kolkata Section	St. Thomas' College of Engineering and Technology
10	Chandigarh Subsection	Jaypee University of Information Technology
11	Gurugram Delhi Section	SGT University

During IEEE Education Week in April, there will be lots of fun ways to engage, including the chance to earn points towards an IEEE Education Week Digital Badge. Make sure you're here to join the fun!

Place pictures here from other files.

20#1 edu pic 2 to 7

CELEBRATE EDUCATION WEEK

IEEE
INDIA COUNCIL

Technical Paper Success, Webinar
16th April, 7:20 PM
SPEAKER
Prof. Debabrata Das
Director, IIT Bangalore,
Chair, IEEE India Council

NAAC Prep Workshop,
20th April, 10:00 AM at IISUT
SPEAKER
Dr. Preeti Rajoj
Education Society Board of Governors
Vice Chair, IEEE India Council

HOST
Dr. Leon Lei
IEEE RIO EAC CHAIR

HOST
Prof. Premsa Gaur
Vice Chair IEEE ISD EAC
Chair Elect India Council

FACULTY OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Sponsored by

SUSTAINABILITY FOR INDUSTRY 5.0

In association with

IEEE

Date: 19th April 2024
Time: 11:00 am onwards
Venue: 308, E-BLOCK, SGT University

FACULTY OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Organizes Seminar on

"DIGITAL FABRICATION FOR A SUSTAINABLE WORLD"

In association with

IEEE

Date: 19th April 2024
Time: 09:30 am onwards
Venue: 308, E-BLOCK, SGT University

region **10**

IEEE Education Week

IEEE Education Society

pels

IEEE UP SECTION (INDIA)

Green Horizons : Harnessing Digital Solutions for a Sustainable Future

April 14 - 20, 2024
(in Hybrid mode)

Jointly organised by IEEE Educational Activities Uttar Pradesh Section, IEEE Uttar Pradesh Section and supported by IEEE Region 10 Education Activities Committee

15 April, 2024
18:00 - 19:30

Topic :
"Agrivoltaic Systems : Combining Solar PV and Agriculture"

Speaker :

Prof. Mohd. Rihan
(AMU Aligarh)

<https://www.ieeeup.org/>

[in](#) **IEEE -UP** [t](#) **IEEE UP SECTION** [f](#) **IEEE UP-SECTION**

Education Week - Proposed Activities

IEEE Computer Society, Delhi Section Chapter
presents
IEEE EDUCATION WEEK 2024
at
Bharati Vidyapeeth, New Delhi
CyberSavvy Futures:
Nurturing Sustainable Digital Citizenship

14th - 20th APRIL, 2024 | BHARATI VIDYAPEETH'S NEW DELHI CAMPUS

E-WASTE DRIVE PHOTO STORY GROUP DISCUSSION DEBATE LOGO DESIGNING

The activities are supported by IEEE Region 10 Education Activity Committee
In Collaboration with

Coordinator: **Dr. Rakhee - +91-9873632150**
A-4, Paschim Vihar, Opp. Paschim Vihar (East) Metro Station, Rohtak Road, New Delhi - 110063

IEEE Educational Activities IEEE Education Week IEEE NANO IEEE Hyderabad Section

Cyber Security and its Significance
(as part of IEEE Educational Activities Celebration Week under Region 10)
on
16th April 2024 at IEEE SRU SB
03:00 PM - 04:00 PM

Prof. Saikumar Tara
Chairman, IEEE Educational Activities,
IEEE Hyderabad Section
And
Dept. of ECE, BVRIT HYDERABAD College of Engineering for Women

IEEE Educational Activities IEEE Education Week IEEE NANO IEEE Hyderabad Section

Importance of Cyber Security Awareness in Digital Era
(as part of IEEE Educational Activities Celebration Week under Region 10)
on
18th April 2024 at IEEE KORCET SB
2:00 PM - 4:00 PM

Prof. Saikumar Tara
Chairman, IEEE Educational Activities,
IEEE Hyderabad Section
And
Dept. of ECE, BVRIT HYDERABAD College of Engineering for Women

IEEE Educational Activities IEEE Education Week IEEE NANO IEEE Hyderabad Section

Practice of Protecting Internet-Connected Systems
(as part of IEEE Educational Activities Celebration Week under Region 10)
on
19th April 2024 at IEEE REC SB
03:00 PM - 04:00 PM

Prof. Saikumar Tara
Chairman, IEEE Educational Activities,
IEEE Hyderabad Section
And
Dept. of ECE, BVRIT HYDERABAD College of Engineering for Women

IEEE Educational Activities IEEE Education Week IEEE NANO IEEE Hyderabad Section

A Panel Discussion on Cyber Security
(as part of IEEE Educational Activities Celebration Week under Region 10)
on
17th April 2024, in Online Mode

Panel list:
Dr. M A Jabbar **Dr. Harivardhigini** **Dr Santhosh S** **Prof. Saikumar Tara**
 IEEE Hyderabad Section IEEE Hyderabad Section IEEE Hyderabad Section Moderator

Education Week - Proposed Activities



Cyber Cognizance
CELEBRATING IEEE EDUCATION WEEK
IEEE MRU SB & MRU CYBER SQUAD
PRESENTS

CyberQuest

Test your cyber expertise
and put your cyber savvy to the test in
our technical quiz

19th Apr, Friday 1:00 PM Onwards

SCAN ME

For More Info
Gajal Singhal : 9817713787 Aashirwad Verma : 9773632552



WORKSHOP
CELEBRATING IEEE EDUCATION WEEK
Cyber Cognizance
INTRODUCTION TO
CAPTURE THE FLAG

MRU CYBER SQUAD

SCAN ME

18th April 2024

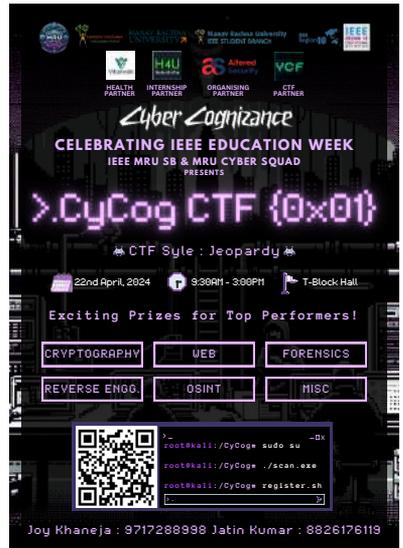
2:00pm Onwards

L-Block Lab 06

TOPICS
General Skills
Forensics
Web exploitation
Reverse Engineering
Binary Exploitation
Cryptography

Contact: 98379 69440 88517 12547

REGISTER NOW



Cyber Cognizance
CELEBRATING IEEE EDUCATION WEEK
IEEE MRU SB & MRU CYBER SQUAD
PRESENTS

>.CyCog CTF {0x0}

#CTF Syle : Jeopardy

22nd April, 2024 3:30PM - 3:00PM T-Block Hall

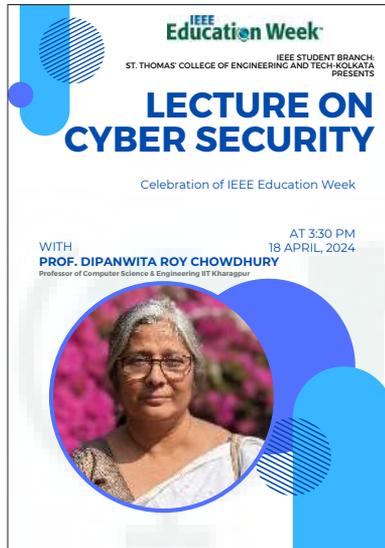
Exciting Prizes for Top Performers!

CRYPTOGRAPHY WEB FORENSICS
REVERSE ENGG OSINT MISC

SCAN ME

```
root@kali:~/CyCog sudo su -D-
root@kali:~/CyCog ./scan.exe
root@kali:~/CyCog register.sh
```

Joy Khaneja : 9717288998 Jatin Kumar : 8826176119



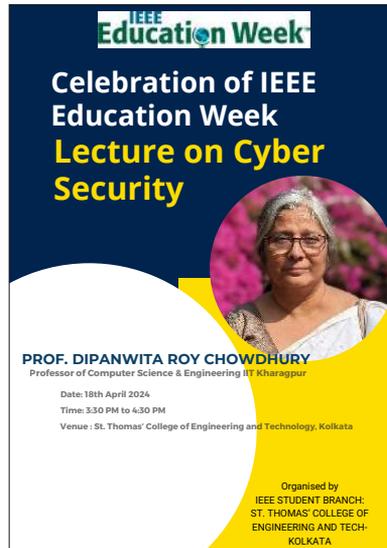
IEEE Education Week
IEEE STUDENT BRANCH
ST. THOMAS' COLLEGE OF ENGINEERING AND TECH-KOLKATA
PRESENTS

LECTURE ON CYBER SECURITY

Celebration of IEEE Education Week

WITH PROF. DIPANWITA ROY CHOWDHURY
Professor of Computer Science & Engineering IIT Kharagpur

AT 3:30 PM 18 APRIL, 2024

IEEE Education Week

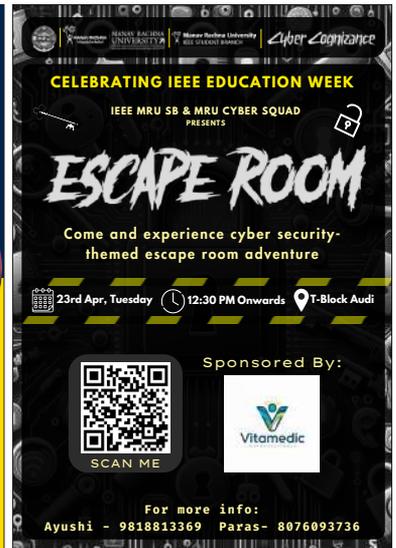
Celebration of IEEE Education Week Lecture on Cyber Security



PROF. DIPANWITA ROY CHOWDHURY
Professor of Computer Science & Engineering IIT Kharagpur

Date: 18th April 2024
Time: 3:30 PM to 4:30 PM
Venue: St. Thomas' College of Engineering and Technology, Kolkata

Organised by
IEEE STUDENT BRANCH:
ST. THOMAS' COLLEGE OF
ENGINEERING AND TECH-
KOLKATA



Cyber Cognizance
CELEBRATING IEEE EDUCATION WEEK
IEEE MRU SB & MRU CYBER SQUAD
PRESENTS

ESCAPE ROOM

Come and experience cyber security-themed escape room adventure

23rd Apr, Tuesday 12:30 PM Onwards T-Block Audi

SCAN ME

Sponsored By:
Vitamedic

For more info:
Ayushi - 9818813369 Paras- 8076093736

A Role of Cyber Security in our daily Life

(as part of IEEE Educational Activities Celebration Week under Region 10)
on
18th April 2024 at IEEE JBREC SB
10:00 AM - 12:00 Noon

Prof. Saikumar Tara
Chairman, IEEE Educational Activities,
IEEE Hyderabad Section
And
Dept. of ECE, BVRIT HYDERABAD College of Engineering for Women



Education Week - Proposed Activities

IEEE Education Week 2024
Presents an informative session on
Impact of Standards in EMI/EMC, Beyond 5G & It's Implications

Speaker
Dr. R Lenin Raja
Vice-President Engineering,
AA EMT Labs Pvt. Ltd.
IEEE Senior Member

Date: 18th April 2024
Time: 11:30 PM EDT Onwards
Venue: The NorthCap University, Gurgaon, Haryana

Hosted By
The NorthCap University
IEEE Student Branch

IEEE Education Week 2024
Presents an informative session on
Role of Research in Professional Journey

Speaker
Dr. Rita Chhikara
Professor & Head of Department,
Department of Computer Science Engineering
The NorthCap University, Haryana

Date: 18th April 2024
Time: 11:30 PM EDT Onwards
Venue: The NorthCap University, Gurgaon, Haryana

Hosted By
The NorthCap University
IEEE Student Branch

IEEE Education Week 2024
Presents an informative session on
Costruzioni, tra abilità e pensiero

Speaker
M.G. Ballatore
PhD Engineering Education
Politecnico di Torino

Date: 21st April 2024
Time: 4:00 AM EDT
Venue: Politecnico di Torino

During the
BENNALE TECNOLOGIA
TORINO, 19-21 APRILE 2024
Tecnologia & Umanità

With
F. Bertola
C. Genova

IEEE Education Week 2024
Presents an informative session on
Matabi - Giochiamo con gli angoli

Speaker
M.G. Ballatore
PhD Engineering Education
Politecnico di Torino

Date: 19th April 2024
Time: 4:00 AM EDT
Venue: Politecnico di Torino

During the
BENNALE TECNOLOGIA
TORINO, 19-21 APRILE 2024
Tecnologia & Umanità

With
C. Genova

IEEE Education Week 2024
Presents an informative session on
Talk on The Future of STEM Education

Speaker
Mr. Raghu Rama Chandra
Projects Executive Manager
SR Engineering Solutions

Date: 20th April 2024
Time: 10:30 AM EDT Onwards
Venue: Online

IEEE Education Week 2024
PRESENTS
BLOG CONTEST

Submit Now

Scan Here

EITHER OF TWO:
1. Best mentor who supported in your B, Tech / life.
2. Challenges and motivation: A journey from a student to a professional.

Deadline 18th April 2024



Ms Sadhana Attavar
Vice Chair

Humanitarian Technologies Activities

During 2024 Humanitarian Technology Activities of IEEE India Council is primarily focusing on the f MOVE Outreach India Program. MOVE (Mobile Outreach Vehicle) Outreach India program a disaster relief and outreach program is an international IEEE program launched in India by IEEE India Council. MOVE India has been brought under HTB Board.

Plan for MOVE India 2024

1. Disaster Awareness training Programme

Disaster awareness among the children and youth to promote preventive and curative measure before, during and after disaster events through the active engagement of volunteers, institutions and organisations .

2. STEM on Climate Change

STEM education related to climate change and sustainability to promote sustainable environment using hands on kits for school students.

3. MOVEATHON

MOVEATHON an ideathon to Explore more technological innovations to reduce the severity of damage caused by the disaster

4. Launch of MOVE India Truck

Technology support through MOVE vehicle for first responders (Organisation or individual) to ensure

communication, power, rescue, and information services.

Activities done during Jan-March 2024

Disaster Awareness Training Program in Karnataka

Disaster awareness training has been initiated in around 9 schools in Mudigere taluk of Chikmagalur district through the IEEE student branch of AIT college. This has been executed in collaboration with ISF (Internet Society Foundation) and IEEE India MOVE Outreach from AIT IEEE student branch in 8 schools and one more by Swaraj, ISF team.. the list of schools with number of children trained from rural disaster-prone villages.

1. GHPS Anajooru 28 (B14+G14)
2. GHPS Baggasgodu66(B40+G26)
3. GHPS Banahalli 42 (B20+G22)
4. GHPS Bettadamane 29 (B15+G14)
5. GHPS Bidhrahalli 77 (B40+G37)
6. GHPS Halehalli 44 (B19+G25)
7. GHPS Hesgal 57 (B28+G29)
8. GHPS Mavinkatte 40 (B23+G17)
9. GHPS Birunani 52 (Not available)

The total children covered is 435.



STEM Kits for IEEE MOVE India Program

10 sets of STEM kits on Climate Change and disasters as per details below for MOVE India have been developed for use during 2024. The kits were demonstrated on 5th March 2024 at GIEEE office BANGALORE. The kit contains everything you need to conduct plenty of experiments. Create and understand micro climates and weather patterns. Discover Greenhouse Gases, Weather vs Climate, Burning Fossil Fuels, rising Sea Levels and more.

- Climate and Weather
- Awareness about Climate Change
- Experiments about Climate Change
- Solutions for Climate Change
- Disasters



First Meeting of MOVE India 2024

The first meeting of MOVE India volunteers was held online on 23rd March 2023 at 8 pm. The following attended the meeting

1. Mr.ArunTanksali Lead PR (Public Relations) Bangalore Section
2. Dr.MousikiKar Lead Education Committee
3. .Vice Chair HTA IEEE India Council and Lead MOVE India Ms.SadhanaAttavar
4. Technology Committee Dr.Chengappa Lead
5. Education Committee
6. PR (Public Relations)
7. Mr.AshokaVittal Philanthropy Manager, IEEE India



Dr. John Jose
Vice Chair

Industry Academia Relations

IEEE India Council Industry Academia Young Professionals Committee [IAYPC] is formed for the year 2024 consisting of members from industry and academia. It is formed to streamline the Industry, Academia and Young Professionals collaboration of various sections coming under IEEE India Council. IAYPC is a dedicated body formed under the IEEE-India Council, focused on bridging the gap between industry and academia for young professionals, students, and faculty members. It aims to provide numerous opportunities for collaboration, skill development, and career enhancement, catering to the diverse needs of its members across the country. The committee plans and executes various activities in consultation with IEEE India council and various IEEE sections in India. It also acts as a central hub to support sections in fostering Industry-Academia collaboration activities, promoting innovation, and driving economic development. This year the committee envisions the following programs.

1. Organize regional Industry-Academia conclaves, bringing together industry experts, academicians, and young professionals for meaningful discussions and networking.
2. Conduct professional mentoring programs assigning industry mentors to students and academic mentors to young faculty, encouraging professional growth.
3. Launch certification courses aimed at increasing the employability of IEEE student volunteers and Young Professionals.

4. Arrange IEEE awareness programs in corporate houses and gather maximum presence of young professionals in pan India wide IEEE activities.
5. Arrange visits of industry personnel to academic campuses for invited talks, trainings, workshops, summer and winter schools, for enhancing skillset and employability of students.
6. To plan and execute monthly webinars by industry and academic resource persons on relevant topics for knowledge dissemination.
7. To streamline internships under IEEE to provide valuable hands-on experience for students and young professionals in their respective fields.
8. To facilitate Memorandums of Understanding and Memorandums of Cooperation with interested universities and industry houses to establish long-term partnerships.
9. To explore the Professor of Practice policy of AICTE with support from Industry experts, aiming to bring practical knowledge and industry experience into academia.
10. To conduct city wide meet up of young professionals working in industry with an aim for larger collaboration and peer group networking.
11. To prepare a white paper/report on state of engineering graduates to help policy makers to plan necessary course corrections for enhancing quality of employment of professionals.

IEEE India Council Industry Academia Young Professionals Committee 2024 [IAYPC]			
S. No	Name	Affiliation	Section / Role
1	Dr. John Jose	IIT Guwahati	Convenor - IAYPC, Vice Chair - IAC, IEEE-IC
2	Mr. Shone Jose	Freshers Ladder International	Co-Convenor - IAYPC, Vice Chair- YP, IEEE-IC
3	Dr. Chengappa M.R.	Hewlett Packard Enterprise	Co-Convenor - IAYPC, Vice Chair - ECIM, IEEE-IC
4	Dr. Ruchika Gupta	Chandigarh University	Secretary - IAYPC, Member, Delhi Section
5	Dr. Mousiki Kar	HIT, Kolkata	Joint Secretary - IAYPC, Member, Kolkata Section
6	Mr. Libin T.T.	CDAC, Trivandrum	Member, Kerala Section
7	Mr. Souvik Basu	Qualcomm India	Member, Bangalore Section
8	Ms. Debanjana Dasgupta	IBM India	Member, Delhi Section
9	Dr. R. Lenin Raja	EMC Test & Training Center, Bangalore	Member, Bangalore Section
10	Mr. Anand Raje	India Internet Foundation	Member, Kolkata Section
11	Dr. Mansi Subhedar	PHOCET, Mumbai	Member, Bombay Section
12	Dr. Palash Das	IIT Jodhpur	Member, Delhi Section
13	Dr. Gunjan Varshney	JSSATE Noida	Member, Uttar Pradesh Section
14	Dr. Harivardhagini Subhadra	CVRCE, Hyderabad	Member, Hyderabad Section
15	Dr. Tribeni Prasad Banerjee	BCREC, Durgapur	Member, Kolkata Section
16	Dr. Elizabeth Rita Samuel	RSET, Kochi	Member, Kerala Section
17	Mr. Varun Kakar	BTKIT, Dwarahat	Member, Uttar Pradesh Section
18	Mr. Sreekanth R.	SJCE, Chennai	Member, Madras Section



Industry Academia Young Professionals Committee (IAYPC) - 2024



Dr. John Jose
IIT Guwahati
Convener - IAYPC



Mr. Shone Jose
Freshers Ladder
International
Co-Convener - IAYPC



Dr. Chengappa M.R.
Hewlett Packard Enterprise
Co-Convener - IAYPC



Dr. Ruchika Gupta
Chandigarh University
Secretary - IAYPC



Dr. Mousiki Kar
HIT, Kolkata
Joint Secretary - IAYPC



Mr. Libin T.T.
CDAC, Trivandrum



Mr. Souvik Basu
Qualcomm India



Ms. Debanjana Dasgupta
IBM India



Dr. R. Lenin Raja
EMC Test & Training Center,
Bangalore



Mr. Anand Rajee
India Internet Foundation



Dr. Mansi Subhedar
PHOCET, Mumbai



Dr. Palash Das
IIT Jodhpur



Dr. Gunjan Varshney
JSSATE, Noida



Dr. Harivardhagini Subhadra
CVRCE, Hyderabad



Dr. Tribeni Prasad Banerjee
BCREC, Durgapur



Dr. Elizabeth Rita Samuel
RSET, Kochi



Mr. Varun Kakar
BTKIT, Dwarahat



Mr. Sreekanth R.
SJCE, Chennai



Er. Koruthu P
Varughese
Chair, LMAG IC

Life Member Affinity Group India Council

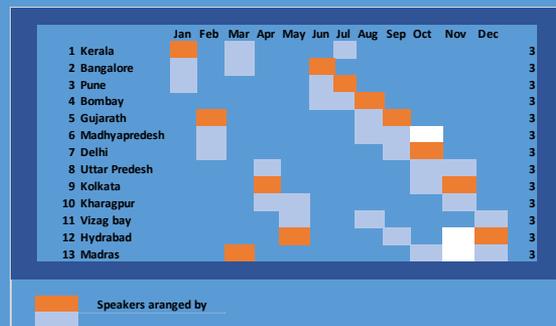
As the Chair of IEEE LMAG India council, it is my pleasure to extend warm greetings to each and every one of you in 2024.

As Life Members, we are dedicated to life-long learning and now giving back that knowledge to humanity. Through our group we all are coming together to learn new things, contribute ideas, mentor students, and participate in IEEE events. At present 162 LMAGs are functioning worldwide. IEEE has provided special projects related to the core values of Life Members. The group serves as a forum to present ideas and determine the services desired by Life members. While we involve such activities the following points inevitably hold good.

- Learning never stops: Listen to others with an open mind, read books, take classes to remain technically current, and always explore new ideas.
- Make a difference: Mentor students, support humanitarian initiatives, or contribute to the IEEE Life Members Fund.
- Actively participate: Attend and influence IEEE events.
- Contribute time and ideas: Be seen by IEEE as contributors as well as resources of knowledge and expertise.
- Provide guidance: Clarify technology matters and assist policy makers in translating and implementing technology laden legislation.

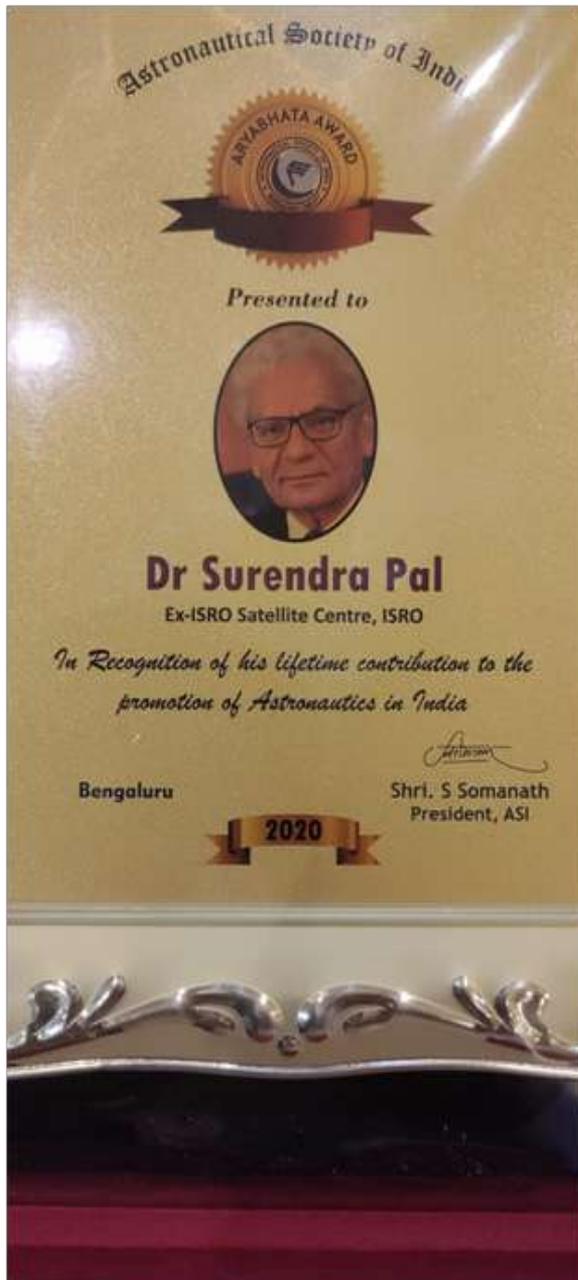
Bearing these points in our mind, let's take New Year 2024 as opportunity to initiate possible points in practical way and engage everyone in the group with a full spirit. LMAG IC is regularly arranging Webinar series once in every month without disruption. At the same time, it is crucial for every LMAG in Section level to go a step beyond to implement other points and achieve the goal recognizing a strong and sustained commitment to IEEE.

The schedule for the monthly webinar series for the year 2024 is given below.



In addition to the online webinar series, we plan to organize physical programs along with the flagship conferences of India Council (AISYWL and INDICON). In this context, to proceed with the suggestion formulated and accepted in the last ExCom that 'the local LMAGs should take the lead of organising such programs' will hold good. Consequent on a technical committee was formed with Prof. Balasubramanian R

as the Chair to chart out relevant schedule to implement above programs.



Dr.Surendra Pal, currently Chair LMAG, Bangalore

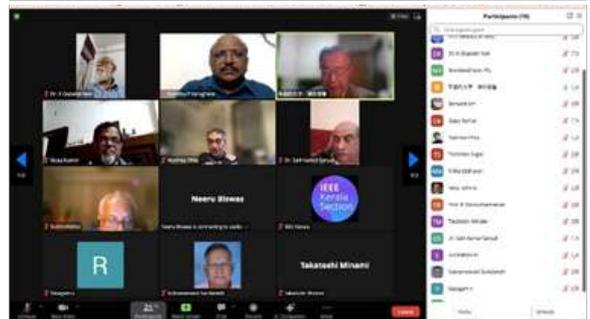
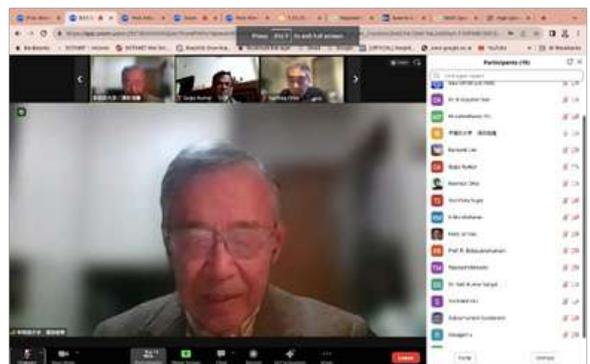
Aryabhata Award to Dr.Surendra Pal

Hearty congratulations dear Dr Surendraji for being bestowed with Aryabhata award 2020 for the life time contributions in the Aeronautical Society of India.

We deeply grateful for the incredible honor from Aeronautical Society of India!

In the first quarter, LMAG organized monthly Webinar series. Its details are given below.

1. 25-01-2024 Topic: Artificial Intelligence Horizons, by Er. P G Muralidharan.





2. 29-02-2024, Topic: Net Zero (Emission) by 2050, by: Dr. B G Moni



3. 28-03-2024 Topic: High Power DC Appliances, by Dr. R Ramarathnam.



Report of LMAG Madras

Summary of the LMAG activities carried over by Madras Section in 2023 is appended below.

LMAG Madras Section conducted an overall of Nine events during the year 2023, of which five were technical events, Two Professional events and Two admin meetings. Of these three technical events, three technical events are highlighted below:

1. Summit/Workshop on “I3(Individual, Internet and Industry) Safety”

This event was conducted jointly by YP and LMAG of Madras Section alongwith Industry and Student activity Committee. Three technical talks and two talks by LMs were the contents of the workshop.

Mr. Sriram, the Director at TG CyberlabsPvt. Ltd and a distinguished Google Top Security Researcher, delivered an enlightening session on internet safety. He unravelled

the numerous safety challenges that surround us in the digital realm and shed light on the vast scope of opportunities in cybersecurity careers

Dr. Soma Prathibha, an esteemed Associate Professor from the Department of Information Technology at Sri SaiRam Engineering College and Vice-Chair of IEEE WIE Madras Section AG, captivated the audience with her expertise in individual safety and academic excellence.

Prof. Rushali Thakkar, a distinguished Electronics Engineering Student Branch Counsellor, IEEE BS, and member of WIE IEEE BS, delivered an enlightening session on cyber awareness. As an Assistant Professor at M.H.S. SabooSiddik College of Engineering, Prof. Thakkar shared her wealth of experience in cybersecurity education, equipping the audience with the knowledge and tools to stay safe on the e-platform.

Mr. S. V. Varadharajan and Dr. S. Sundarsh, Senior Life Members, shared their insights and experiences on safety and benefits of being an IEEE volunteer, during the fourth session



2 Technical talk on “Perspectives on Computer networking and Cloud Computing”

This technical talk was organized jointly by IEEE LMG and CS of Madras Section and SETS (Society of Electronic Transactions and Security, Chennai) on 3rd August 2023.

Shri.S.Ramakrishnan, Former DG(CDAC), in his professional career spanning more than 3 decades had associated right from the early stages of internet in India and played a key role in establishing the internet with large scale accessibility. He recounted the challenges and the parallels in the growth of Internet in the global scene as well as in India. He delineated the entry and the growth of Cloud computing and the challenges in formulating standards for the cloud computing.



3. Workshop on “Living Empowerment – Women’s Mentorship Gala by Life Members”

This event was organised by WIE group of Madras Section jointly with LMAG. Three Life members Mr.C.R. Sasi, Director, Munnoth Industries and former LMAG Chair, Mr. T.S Rangarajan, Life member and Former Chair of madras Section and Mr.K.Krishnamurthy, Life Senior Member, Former Senior executive Citicorp participated in the event.

The Life members shared their career experience and good professional practices to be followed to be successful in one’s career and details about hoe IEEE membership helped in their career through networking and exposure to latest technologies.

The event was well appreciated by the women professional members and students and there was a good interactive session at the end of the session.



LMAG Kerala

Life Members focus on ‘Carbon Neutrality’ through Outreach and Women Empowerment

Come 2024, LMAG was ready for networking with other OUs of Kerala Section as well as with a line of NGOs for spreading the message of our logo ‘Advancing Technology for Humanity’. The first OU networking was with the WIE AG & SIGHT Kerala, and with the NGO Green Energy Forum (GEF) for a comprehensive program entitled ‘Women Empowerment through Green Energy Promotion’ with LED lamp assembling, testing, and packaging training for women. It was aimed to replicate

this program in all the 14 districts of Kerala, training 10-15 women in groups of 5 in a district. After training, these women are given a certificate of achievement, a set of light machines and tools (free for each group) for setting up a micro enterprise for producing and marketing LED bulbs and tubes in the vicinity of their homes. They are expected to talk to the families around on the merits of green energy and efficient energy use. The margin from the sale of the products will give them an additional income.

LMAG, WIE, and SIGHT jointly organized the workshop, sharing the cost involved (around Rs. 36,000 per workshop for 10-15 women on 23.1.24 at TKM Engg. College, Kollam, on 6.2.24 at SCT College of Engineering, Pappanamcode, Trivandrum, and on 15.3.24 at St. Joseph’s College for Women, Alappuzha. Fifteen, Ten, and Fifteen women were trained there along with 5, 10, and 7 Students who would handhold the women for IEEE in their enterprise building stage. From the OUs, Dr. BijunaKunju, Vice Chair, Kerala Section; Dr. K Gopalan Nair LSM & Prof. A K Deepa, Chair, WIE; and Prof. V K Damodaran, Chair LMAG & Prof. K SunithaBeevi, Chair, SIGHT jointly led the program at Kollam, Trivandrum and Alappuzha respectively.

At Alappuzha, the YWCA National Vice Chair, Dr. Annie Thomas and her colleagues joined the program and held discussion with IEEE Kerala Section leaders to join hands with IEEE and GEF to conduct LED workshop as well as other women empowerment programs throughout Kerala. YWCA also promised to raise one-third the cost of each such event from their local units. IEEE agreed to raise the remaining amount through sponsorships. For the current year, at the request of LMAG Chair, EMC-Kerala has agreed to cover a substantial part of the gap in expenses. Therefore, Six more districts will soon see similar training programs as IEEE-EMC-GEF-YWCA Joint programs. Selected Photos of some of the above events are given.

On ‘Carbon Neutral Plans for Local Governments and Institutions’, LMAG has prepared an approach paper in the form of a PowerPoint presentation in Malayalam. This was presented at the Institution of Engineers Hall on 6.3.24 by Prof. V K Damodaran. Two more local

IC Activities Report

bodies had invited LMAG for interaction with their elected members. This will be a major campaign throughout the current year covering around 30 interactions.



LMAG Hyderabad

A summary of the activities carried out in 2023 is given below:

- 1 A Webinar at 11th Feb 2023 at 11 AM On “Collaborative and Interdisciplinary Research in Space Systems, Healthcare Systems, etc., and Career Opportunities” by Dr. K.M.M Rao, Chair, LMAG., IEEE Hyderabad Sec., IEEE LMAG Chapter conducted jointly with SAC.
- 2 A Webinar on 27th April, 2023 on “Emerging Trends in Smart Power Systems Operation” by Prof. R. Balasubramanian, Retired NTPC Chair Professor IIT Delhi, IEEE Hyderabad Section Founding Chair LMAG., webinar conducted by LMAG Chapter jointly with LMAG India.
- 3 Webinar by Dr. Kumar Rajamani, Senior Manager Algorithm at KLA Tencor, on “MEDICAL IMAGE SEGMENTATION USING DEEP LEARNING APPROACHES (TRANSFORMERS IN MEDICAL SEGMENTATION)” on 23rd Sep, 2023 jointly by LMAG and SAC, Hyderabad Sec.
- 4) Webinar by Prof. Pratap Reddy, Professor Emeritus, JNTUH on “Digital Ecosystems - Challenges and Opportunities” under IEEE LMAG in association with IEEE SAC Hyderabad Section on 11th Nov 2023 @ 11AM onwards.
- 5 Webinar by Prof. Anitha Sheela, Former Head

- ECE, JNTUH, on “AUTOMATIC CONVERSION OF INDIAN SIGN LANGUAGE (ISL) TO NATURAL LANGUAGE: A CASE STUDY” 25th Nov 2023, 10.30 AM LMAG jointly with IEEE CIS/GRSS Jt. Chapter
- 6 “WOMEN IN ENGINEERING MENTORSHIP PROGRAM” IEEE WIE JOINTLY WITH LMAG ON 25TH NOV 2023, 11AM-12.00PM
- 7 Webinar by DR Syed Mustak, Professor ECE, SR University, Warangal on “Outcome-Based Education: Understanding Student Attributes: Program Outcomes” SAC jointly with IEEE LMAG Hyderabad Section, on 10th Dec 2023, 11AM through G.meet.
- 8 Keynote by Dr. Vathsal Srinivasan “Past, Present and Future of Computer Aided Tomography” on 16th Dec, 2023, 11.00am to 11.30am by LMAG, Hyderabad section during LMAG India Inaugural function
- 9 Webinar by Dr. K.M.M. Rao, Chair LMAG on “Advances in Healthcare, Image Processing and Internet Of Medical Things” on 23rd Dec, 2023, 11AM-12.00 Noon, jointly by WIE and LMAG,

Proposed event:

On 8th April 2024, a 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 is arranged.



LMC News

Life Member Committee and Region Coordinators Contact Info 2024

Name	Position	Roles	Email
Rajendra Kumar Asthana	Chair	OpCom	asthana@ieee.org
Jerry Hudgins	Vice-Chair	Foundation, Opcom	jhudgins2@unl.edu
Jacob Kulangara	Member	Opcom, Awards Chair, Grants & Funding Chair	kulangara@ieee.org
KoruthuVarughese	Member	Grants & Funding	koruthu@ieee.org
Hajime Imai	Member	Website	m2jh1303@nifty.com
SudhanshuJamuar	Member	Opcom, Affinity Groups Chair, Grants & Funding	ssjamuar@gmail.com
John Harris	Member	Awards	j.harris@ieee.org
Fred Mintzer	Member	Foundation, Opcom, Finance Chair, Grants & Funding	f.mintzer@ieee.org
Daniel Snizek	R1		desniezek@yahoo.com
Marc Apter	R2		m.apter@ieee.org
Jacob Kalangara	R3		jmkulang@gmail.com
Larry Kotewa	R4		ljkotewa@ieee.org
John Purvis	R5		john.purvis@ieee.org
Michael Andrews	R6	LM Conference Chair, WISE (Adjunct), Finance, Website	m.andrews@ieee.org
Terry Branch	R7	LM Conference	terry.branch@pdrtech.ca
Peter Magyar	R8		peter.magyar@ieee.org
Gustavo del Pino	R9		gadp2010@gmail.com
ToshitakaTsuda	R10		tsuda-toshitaka@nifty.com
Howard Wolfman	Past Chair	Opcom, Finance	h.wolfman@ieee.org
John Day	IEEE Staff Support	IEEE Senior Member - Director of Member Products & Programs	j.day@ieee.org
David Bondurant		Newsletter Editor Affinity Groups (advisor)	dbondurant@ieee.org



Dr. Lekshminarayana
Sadasivuni
Vice Chair

Branding and Member Benefits

Dear Esteemed IEEE EC Member,

The 2024 Annual Election balloting

The 2024 IEEE Annual Election balloting starts on 15 August 2024 and ends at 12:00 noon ET (16:00 UTC-04) on 1 October 2024 for several senior managerial positions. The following is the data of the volunteers voted in the past five years.

Year	Eligible Voters	% Voters Participated in voting
2023	301934	11.48
2022	293723	12.23
2021	292833	15.60
2020	294894	17.38
2019	302841	13.98

The above data is from www.ieee.org. In India, we are reaching a million members mark and more than 35% of members are eligible to vote. We closely watched the voting statistics from India too, and found that many IEEE members do not vote. I am sure that you are aware that ours is a world premier professional society and weights every volunteer's participation in all the aspects in reshaping for the betterment. Your participation is highly appreciated. We have plans to build a model to make most Indian Volunteers participate in IEEE elections.

Several thought provoking, innovative ideas are surfacing and we now request you to kindly suggest

any step/idea that is needed from IEEE Council that helps in improving the percentage of voting in IEEE Elections. Best Idea provider will be rewarded.

Please send your ideas and action plans to Prof S. Lakshminarayana at sln@ieee.org in word format. Please make it brief and fit within 1000 words in word format before 11:59 IST of 10-March-2024.

IEEE India Council day

In 2023, IEEE India Council day was celebrated on 17th April 2023 and it reached many volunteers and received several accolades from different forums. Similar event is proposed on 17-April-2024 virtually at 18:00-20:00 hrs and plan to invite IEEE President, Vice-President, Director R10, and Senior volunteers to participate and speak.

All the IEEE members of all Sections and all grades will be invited to join this event over WebEx.

The tentative agenda is as follows and subject to approval and modifications, and suggestions.

18:00	Invitation to all for the India Council Day (Sri Sabrinath)
18:03	Opening Remarks by IC Chair (Prof Debabrata Das)
18:06	About India Council Day (Prof S. Lakshminarayana)
18:10	Message from IEEE President

Section Activities Report

18:15	Message from IEEE Vice President
18:20	Message from Director R10
18:25	Messages from Directors from other Regions (if any)
18:30	Special Key Note on IEEE (Speaker to be identified)
19:00	Achievements of each section during 2023 and Plan 2024 One Slide achievements in 2023 and one slide plan -2024 (4 minutes to each section) 13X4 =52 minutes.

19:52	Closing remarks by Prof S.M. Sameer
19:55	Vote of Thanks by Prof Vijayalatha
19:58	National Anthem

Kindly reserve the date and time for this event.

Also give your inputs that help in improvement in this event.

With Best Regards

Prof. LakshminarayanaSadasivuniPh.D

Vice-Chair (Branding and Member Benefits)

IEEE India Council 2023-24

Climate Change

IEEE:
Enabling Innovation and
Technology Solutions

April 2024 IEEE Climate Change News
See the Latest on Climate Change from
IEEE Spectrum





Dr. Rajashree Jain
Vice Chair

Membership Development Committee (MDC)

Focus

To support Member Recruitment and Retention

Member Statistics as on April 2024

Member Grades	Count of IEEE members	Section Name	Count of IEEE members
Affiliate	98	Bangalore Section	12257
Associate Member	117	Bombay Section	2926
Fellow	48	Delhi Section	4237
Graduate Student Member	4890	Gujarat Section	1162
Honorary Member	1	Hyderabad Section	5815
Individual	1	Kerala Section	13328
Life Fellow	34	Kharagpur Section	352
Life Member	37	Kolkata Section	3427
Life Senior	196	Madhya Pradesh Section	1004
Member	8627	Madras Section	9604
SA Member	11	Pune Section	1183
Senior Member	4948	Uttar Pradesh Section	2941
Student Member	40444	Vizag Bay Section	1216
Grand Total	59452	Grand Total	59452

The MD team, under the guidance of Prof. Debabrata Das, Hon. Chair, IEEE India Council, and Dr. Rajashree Jain, Vice Chair, Membership Development, IEEE India Council have planned sessions for the benefits of members of India. With a focus of member recruitment and retention, IEEE

Membership Development (MD) Committee 2024 of India Council plans to host MD track and MD booth during the major IC events along with specific member engagement programs like member elevation drives, panel seminars for Fellow elevation to name a few.

Top ten Sections of IEEE - Latest News

Section	Total Members
Bangalore Section	12,083
Beijing Section	12,011
Madras Section	10,130
Kerala Section	9,298
United Kingdom and Ireland Section	8,486
Santa Clara Valley Section	7,991
Germany Section	7,467
Tokyo Section	7,076
Hyderabad Section	5,839
Nanjing Section	5,822

Congratulations !

Bangalore Section leading with **12083 Members**

&

Globally Number 1 in membership.

Bangalore, Madras, Kerala and Hyderabad are under top 10 Sections

Hearty Congratulations to all

IEEE IC Nomination Committee

As per India Council by-laws, a Nomination Committee was constituted with the following members to propose a slate for the year 2024.

1. Dr Suresh Nair, Chairman (Immediate Past IC Chair)
2. Prof. Bhim Singh, Member (Past Chair, Delhi Section)
3. Mr Puneet Mishra, Member (Past Chair, Bangalore Section)

The nomination committee, after evaluations and deliberations has proposed the nomination slate as follows.

“The Nomination committee unanimously recommends Prof. Debabrata Das to continue as IC Chair for 2024.”

As the recommendation of the Nomination Committee concurs with Article III Section 2 of the IC by-law, the EXECOM approved the proposal, and published.

Looking forward to a vibrant, activity-filled, and enriching 2024 ahead.

Happy Volunteering!!!



Mr. Vamsi Krishna
Vice Chair

Student Activities

Student Coordination Team

IEEE INDIA COUNCIL SAC is a community of enthusiastic, dynamic, and innovative members and volunteers across INDIA. To achieve the aim a SAC Student Coordination Team is formulated and in operative. Its nomination has been finally closed for 2024 by the end of February. This has been the usual ritual process to select the student coordination

team since the inception in 2015. In the current year total 609 nominations are received with highest number from Madras Section followed by Kerala and Hyderabad Sections. Review on those nominations are obligatory and send the final list of nominations from each Section for final vetting and confirmation by the Section Chairs. A default report has been circulated for reference through WattsApp.

Team	IEEE Section you belong to	Your Name as appearing in IEEE Account:	IEEE Membership Number	You're a	Gender
Chapter & Affinity Group Coordination	Bangalore	Niharika J	98531777	Student Member	Female
Chapter & Affinity Group Coordination	Delhi	ISHNEET KAUR CHADHA	98936289	Student Member	Female
Chapter & Affinity Group Coordination	Gujarat	HARSH SANJAYBHAI DODIYA	99956061	Student Member	Male
Chapter & Affinity Group Coordination	Kharagpur	Priyom Goswami	99608859	Graduate Student Member	Male
Chapter & Affinity Group Coordination	Madhya Pradesh	Anjali Bhargava	99626447	Graduate Student Member	Female
Chapter & Affinity Group Coordination	Madhya Pradesh	Hirdesh Mewada	99603407	Student Member	Male
Chapter & Affinity Group Coordination	Madras	RESHMA B	98046002	Student Member	Female
Chapter & Affinity Group Coordination	Uttar Pradesh	VIJIT SINGH	99898696	Student Member	Male
Chapter & Affinity Group Coordination	Vizag	SOUMYA SUVVARI	98267335	Student Member	Female
Content & Report Writing	Delhi	Harshita Mishra	99096375	Student Member	Female

Content & Report Writing	Hyderabad	Jonnalagadda Srinidhi	99567115	Student Member	Female
Content & Report Writing	Kerala	HARIMURALI R	98016526	Student Member	Male
Content & Report Writing	Kerala	Meghna C Suresh	98827265	Student Member	Female
Content & Report Writing	Kerala	Gopika Pillai	98257286	Student Member	Female
Content & Report Writing	Kolkata	Devi Prasad Pani	98652847	Student Member	Male
Content & Report Writing	Madras	Vishwa Kumaresh	99926974	Student Member	Male
Content & Report Writing	Pune	Aditya Tuteja	98089014	Student Member	Male
Content & Report Writing	Pune	Akanksha Rajesh Prasad	98645880	Student Member	Female
Content & Report Writing	Vizag	VIDHATHRI CHINTAMANENI	99065904	Student Member	Female
Outreach, Partnerships, Industry & External Relations	Bangalore	Arun Mali	98050492	Student Member	Male
Outreach, Partnerships, Industry & External Relations	Bangalore	KSHITISH P JAIN	98910500	Student Member	Male
Outreach, Partnerships, Industry & External Relations	Delhi	Tasneem Ahmed	99236138	Student Member	Female
Outreach, Partnerships, Industry & External Relations	Delhi	Jonah Christopher Varikunta	98947349	Student Member	Male
Outreach, Partnerships, Industry & External Relations	Kerala	Robin Francis	98162384	Student Member	Male
Outreach, Partnerships, Industry & External Relations	Kharagpur	Soujanya Thallapalli	93293466	Graduate Student Member	Female
Outreach, Partnerships, Industry & External Relations	Kolkata	Adrija Mukherjee	99898025	Student Member	Female
Outreach, Partnerships, Industry & External Relations	Madhya Pradesh	ABDUL AHAD KHAN	99895225	Student Member	Male
Outreach, Partnerships, Industry & External Relations	Madras	Mughesh Kumar N R	99889482	Student Member	Male
Outreach, Partnerships, Industry & External Relations	Vizag	Asish Kadali	99718016	Student Member	Male
Social Media Coordination	Bangalore	Shivani M H	99067604	Student Member	Female
Social Media Coordination	Hyderabad	SATYA SURYA PRAKASH MANTHA	99752675	Student Member	Male
Social Media Coordination	Kharagpur	Deborsi Basu	94129590	Graduate Student Member	Male
Social Media Coordination	Kolkata	Saumodip Das	99430620	Student Member	Male
Social Media Coordination	Madras	SAI HARSHITHA MURALI	99569961	Student Member	Female
Social Media Coordination	Uttar Pradesh	HITANSH DWIVEDI	97605602	Student Member	Male
Technical & Professional Development	Gujarat	Vraj Manojbhai Upadhyay	98727961	Student Member	Male
Technical & Professional Development	Gujarat	MUSTAFA JUZAR BHARMAL	98676612	Student Member	Male

Technical & Professional Development	Hyderabad	VEMULA CHARITHA REDDY	99571821	Student Member	Female
Technical & Professional Development	Hyderabad	Muddam Siddartha	99119206	Student Member	Male
Technical & Professional Development	Kerala	Vasudev S Mallan	97578978	Graduate Student Member	Male
Technical & Professional Development	Kerala	Ryyan Safar	99656123	Student Member	Male
Technical & Professional Development	Kharagpur	Shankho Subhra Pal	98977462	Graduate Student Member	Male
Technical & Professional Development	Kolkata	Ayush Agrawal	98785488	Graduate Student Member	Male
Technical & Professional Development	Pune	SHREYA KIRAN BHINGARKAR	99681489	Student Member	Female
Technical & Professional Development	Uttar Pradesh	Noma Nawab	99697515	Student Member	Female
Technical & Professional Development	Vizag	keerthi sai	99716520	Student Member	Female
Video Editor, Graphic Design & Production	Bangalore	ANIRUDDH KOUNDINYA	97920748	Student Member	Male
Video Editor, Graphic Design & Production	Gujarat	Mahek Ajmera	99358470	Student Member	Female
Video Editor, Graphic Design & Production	Madras	NANDANA ARAVIND	99834170	Student Member	Female
Video Editor, Graphic Design & Production	Pune	Aryaan Madhani	98224283	Student Member	Male
Video Editor, Graphic Design & Production	Uttar Pradesh	Vansh Sharma	98353473	Student Member	Male





Dr. Sudeshna Choudury
Vice Chair

Women in Engineering

Category A – Events/Programs hosted/co-hosted by IEEE WIE India Council

#1

Event: LIGHTNING TALK on “Leveraging Women in Engineering towards Accelerating Progress and Achieving Success”- IEEE WIE AG Hyderabad Section & IEEE WIE India Council

Date: 8th March 2024

Venue: Online

Role: Speaker

LinkedIn Post: https://www.linkedin.com/posts/harivardhagini-subhadra_womensday2024-lightningtalks-activity-7170331277324115968-h6Qx?utm_source=share&utm_medium=member_desktop

Sudeshna Choudhury was a speaker on this event and the topic of her talk was “Women in Sustainability”. The other talks were:

- Empowering Women, Empowering Humanity: Dr. Y Vijayalata, Chair - IEEE Hyderabad Section, Treasurer - IEEE India Council
- Invest in yourself - Unleash the power and ignite advancement: Dr. Mini Ulanat, Digital Transformation Specialist, Fulbright Scholar, Chevening Fellow Member, IEEE Diversity and Inclusion committee

- Women in Engineering: Overcoming Challenges and Achieving Success: Ms. Rushali Thakkar, Secretary, PES HAC 2024 Assistant Professor, M.H.SabooSiddik College of Engineering

IEEE WIE AG HYDERABAD SECTION
in association with
IEEE WIE INDIA COUNCIL
presents
A SERIES OF LIGHTNING TALKS
ON
Leveraging Women in Engineering towards Accelerating Progress and Achieving Success

Dr. Y VIJAYALATA
Chair - IEEE Hyderabad Section,
Treasurer - IEEE India Council
Dean - Vardhaman College of Engineering

Ms. SUDESHNA CHOUDHURY
Vice Chair - WIE, IEEE India Council
Sustainability Evangelist, Tata Consultancy Services

Dr. MINI ULANAT
Digital Transformation Specialist, Fulbright Scholar,
Chevening Fellow
Member, IEEE Diversity and Inclusion committee

Ms. RUSHALI THAKKAR
Secretary, PES HAC 2024
Assistant Professor,
M.H.Saboo Siddik College of Engineering

March 8, 2024 2:00-3:00 PM

Category B – Events/Programs hosted by IEEE and participation on behalf of India Council as Speaker / Advisory

#2

Event: CONVERGE 2024-IEEE IEM CS Student Chapter

Date: 27th January 2024

Venue: IEM, Kolkata

Role: Speaker

LinkedIn Post: https://www.linkedin.com/posts/subhadeep-pal-a81875274_converge-day-2-talk-about-sustainable-activity-7156969679075360769-2T8b?utm_source=share&utm_medium=member_desktop

Sudeshna was a Keynote Speaker in CONVERGE 2024: Sustainable Innovation of the Future organized by IEEE IEM CS Student Chapter on 27th January 2024 in Institute of Engineering & Management (IEM)

Her topic of talk was “Sustainable Innovation of the Future”



#3

Event: Webinar - Getting a handle on the career trajectory the - WIE way- IEEE WIE Bangalore Section

Date: 8th March 2024

Venue: Online

Role: Speaker

LinkedIn Post: https://www.linkedin.com/posts/simay-akar-1868359_internationalwomensday-womeninengineering-activity-7171852586436792320-



Njkz?utm_source=share&utm_medium=member_desktop

Sudeshna was invited to give the Inaugural address to the audience on the occasion of International Women's Day 2024

#4

Event: WIE Scholarship and Returning Mother Program:IEEE India Philanthropy

Date: 2024

Venue: Online

Role: Advisory Committee Member

LinkedIn Post: https://www.linkedin.com/posts/ieee-india-philanthropy-594a80249_ieee-wie-scholarship-funded-by-quest-global-ugcPost-7158710396596424704-qz-7?utm_source=share&utm_medium=member_desktop

GIEEE (IEEE India) is collaborating with Quest Global Corporate Social Responsibility funding for IEEE Women in Engineering (WIE) Scholarship. As part of Quest Global's commitment to fostering change, the IEEE India Philanthropy is joining hands to uplift 325 female engineering students across Bangalore, Trivandrum, and Pune.

In 2024, this visionary project aims to transform the landscape for female engineering students, bolstering enrollment, connections, and skills. Empower female students with a holistic scholarship model encompassing mentoring, training, networking, and IEEE BLP platform courses. Create a future where more women thrive in professional courses.

The objective of the WIE Scholarship is to enhance female enrollment in professional courses based on merit and socioeconomic factors and provide comprehensive support through scholarships, mentoring, training, and networking.

Sudeshna is a part of this transformative endeavour as a member of the advisory committee and is actively involved in shaping up the programme and providing the guidance and support for execution

Category C – Events/Programs hosted by non-IEEE organizations and participation on behalf of India Council as Speaker /Advisory

#5

Event: Finals, OnCampus Program 2024

Date: 23rd February 2024

Venue: St. Xavier's College (Autonomous) - Kolkata

Role: Judge

LinkedIn Post: https://www.linkedin.com/posts/hult-prize-st-xaviers-college-autonomous-kolkata_hultprizesxc-judges-uncampusprogram2024-activity-7166335749422862336-_OR-?utm_source=share&utm_medium=member_desktop

Sudeshna Choudhury was invited as the Judge on the finals of OnCampus Program 2024.





#6

Event: National symposium on “Addressing Sustainability in the VUCA World”

Date: 1st March 2024

Venue: Faculty of Management Studies (FMS), Dr. B. C. Roy Engineering College

Role: Speaker

Post: https://m.facebook.com/story.php?story_pgZawUI&id=100063657649909&mibextid=qC1gEa

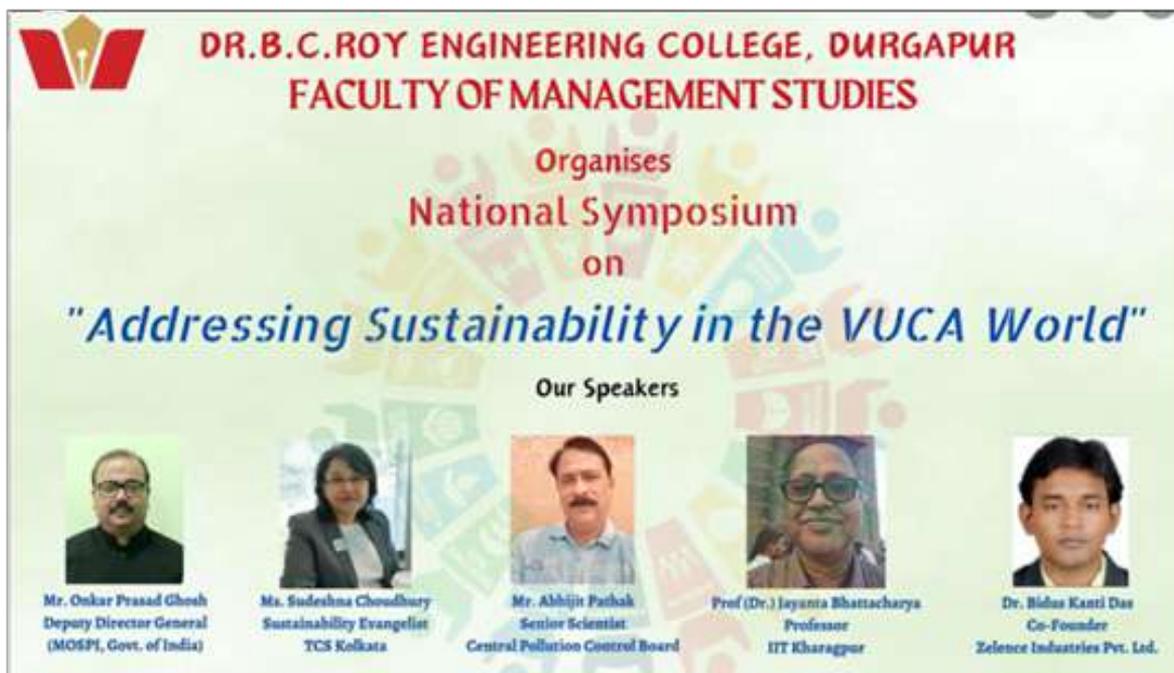


The goal of the symposium is to establish a sustainable approach that works for businesses in this era of volatility, uncertainty, complexity, and ambiguity, driven by geopolitical instability, technological disruption, climate change, economic uncertainty, pandemic recovery efforts, digital transformation, cyber-security risks, and social and political dynamics.

Eminent personalities from academia and business will discuss the topic from a variety of angles during the symposium, providing a comprehensive analysis of the challenges ahead and solutions. Through real-world

case studies and benchmarking of best practices, the symposium aims to elucidate how sustainability may be assured in this volatile environment. Therefore, it has relevance to people from the Industry and academia at large. The judicious blend of panelists in the symposium will provide engaging insights for scholars, practicing managers, academic leaders, and aspiring corporate citizens.

Sudeshna Choudhury was invited to talk on “Innovation for Sustainability” and participate as panelist in a discussion on the theme of the symposium.



DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR
FACULTY OF MANAGEMENT STUDIES

Organises
National Symposium
on
"Addressing Sustainability in the VUCA World"

Our Speakers

 Mr. Onkar Prasad Ghosh Deputy Director General (MOSPI, Govt. of India)	 Ms. Sudeshna Choudhury Sustainability Evangelist TCS Kolkata	 Mr. Abhijit Pathak Senior Scientist Central Pollution Control Board	 Prof. (Dr.) Jayanta Bhattacharya Professor IIT Kharagpur	 Dr. Bibas Kanti Das Co-Founder Zelence Industries Pvt. Ltd.
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WITH IEEE

IEEE

You Can Be at the Forefront of Innovation

Join IEEE - Stay Technically Current



Er Shone Jose
Vice Chair

Young Professionals

IEEE Malabar Subsection, led by Dr. Sabiq P V, former chair of MSS, and Dr. Sudhi, Chair of MSS Industry Relations, supported the theThe India Council initiative “Industry Collaboration Initiative for YP Engagement” (ICI-YPE) aimed at encouraging industries to promote IEEE within their organizations. As part of this effort, Mr. Shone Jose, Vice Chair of India Council responsible for YP activities, along with Dr. Sabiq P V, visited the Tata Elxsi Kozhikode Center, which expressed interest in establishing an internal IEEE member group within the company. An IEEE awareness session

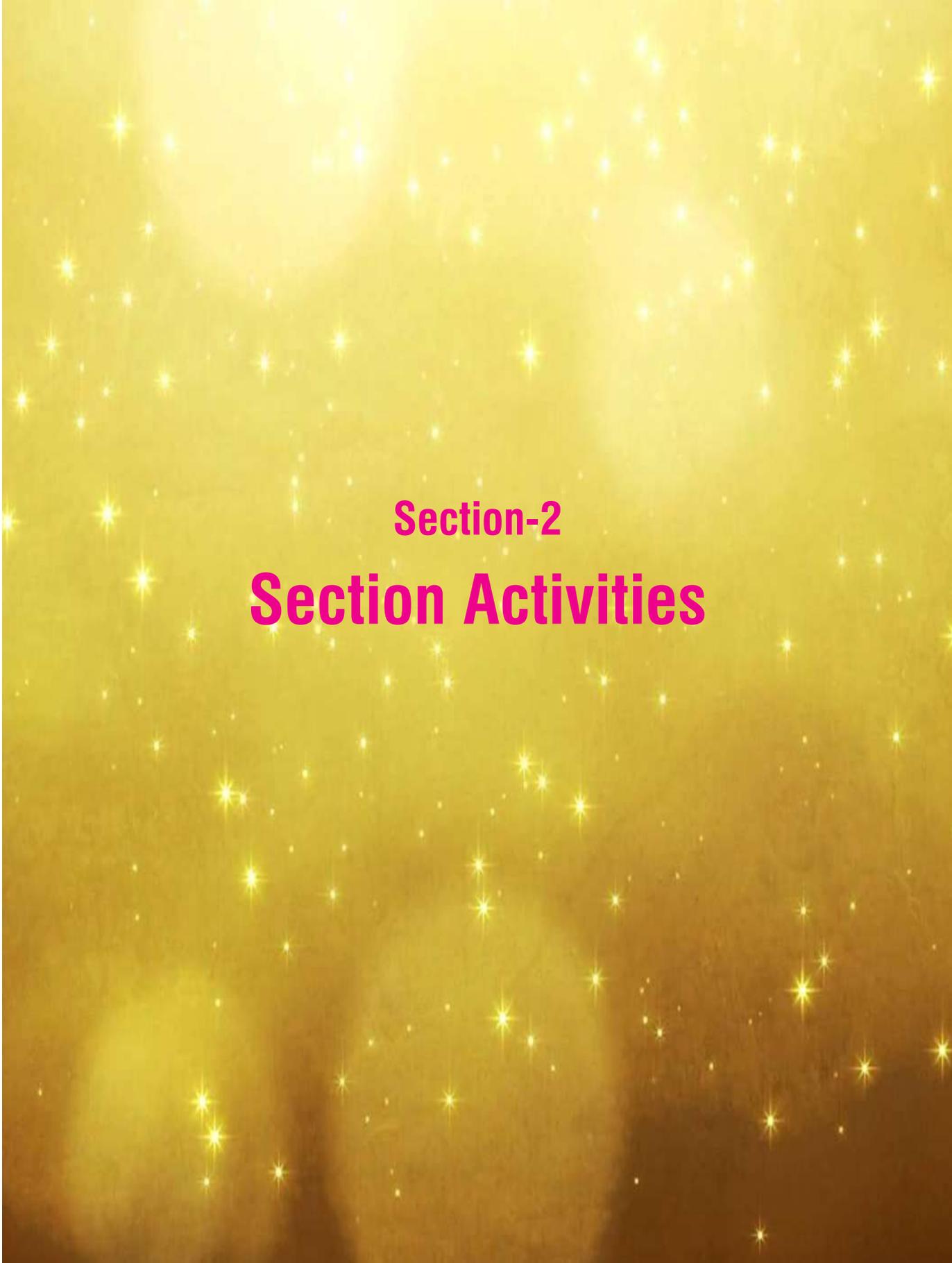
was subsequently held at the office premises. Dr. Sudhi Sudharman facilitated the meeting with the leadership of Tata Elxsi Kozhikode Center and the IEEE Awareness session.

Tata Elxsi Kozhikode Center offers reimbursement of the membership fee for all employees who join IEEE. Additionally, they have incorporated IEEE membership and participation in various activities into the KPIs for appraisals. They shown interest in collaborating with IEEE, particularly Malabar Subsection in activities which enhance the technology ecosystem in Malabar.



Enjoy the Memorable Moments... in 2024





Section-2
Section Activities



Dr Aloknath De
Section Chair

Bangalore Section

CALL FOR PAPERS

Dear Researcher,

On behalf of the SPACE Organizing Committee, I take the opportunity to invite you to participate in this professionally enriching Technical Conference SPACE. SPACE is a premier interdisciplinary forum for space, aerospace, and defence experts, engineers, and researchers to come together to discuss the latest developments in designated technologies. The conference provides a platform for sharing cutting-edge research, exploring innovative approaches, and addressing the technical challenges facing the space, aerospace and defence industries. It is a well known fact that technologies used in Space, Aerospace and Defence can be used among these 3 domains with some improvement/modifications. The objective of SPACE is to create a platform where industry professionals and research scientists working across these domains share, learn and collaborate. Scientists, Researchers and industry practitioners are encouraged to present their work and developments can be used across/at least in two of these domains. The conference covers all aspects of Space, Aerospace and Defence technologies (within IEEE's field of interest). The conference program includes keynote presentations, technical sessions, workshops, and panel discussions, all aimed at fostering collaboration and driving innovation in aerospace and defense. You are invited to submit your original research work in any of the following 3 tracks, which is most relevant to your work. : 1. Aerospace System Technologies, 2. Defence System Technologies, 3. Space System Technologies on following Topics (but not limited to)

- Antenna/RF/Microwave/Payloads
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- EMI/EMC/ESD/HPM/Space Weather
- mm-wave/THz/5G/6G
- Power/Energy/Power Electronics
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- Miniaturization technologies
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- System Engineering
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- Quantum Technologies for SPACE
- SDR Technologies for SPACE
- Women-led Technology Developments for SPACE

For Paper Submission and more details kindly visit: <http://www.ieeespace.org/paper-submission/index.php>

Early Submission Advantage

Advantage	Last Date
10% Discount	April 15, 2024

Important Dates

Deadline	Date
Paper Submission start date	April 1, 2024
Last Date of Paper Submission	April 30, 2024
Notification of Acceptance	May 31, 2024

Awards

SPACE Best Paper Award(Academia & Industry)
1st - ₹ 50,000, 2nd - ₹ 25,000, 3rd - ₹ 10,000

Call for SPACE Technology Compendium: Submit your published/unpublished work which can be used in at least 2 out of 3 verticals of SPACE, and have potential for Commercialization or Technology Transfer. For more details visit our website



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SPACE 2024

(Space, Aerospace and Defence Conference)



July 22-23, 2024
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Prof. A.Q. Ansari
Section Chair

Delhi Section

Count of activities conducted from 1st January to 31st March, 2024 as reported in VTools:158 Mode of Activities

Types of Activity

Technical

Non-Technical Professional Administrative Humanitarian Pre-U STEM

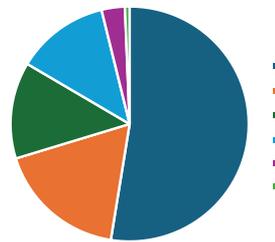
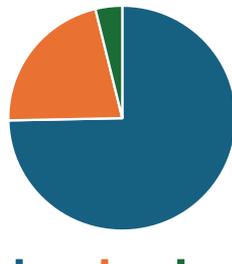
Physical Virtual Hybrid

Prof. A.Q. Ansari, Chairman IEEE Delhi Section, Prof. M.N. Hoda, Executive Vice Chair IEEE Delhi and Prof. Rajnish Sharma, Secretary IEEE Delhi Section gladly displaying Certificate of Achievement bestowed to IEEE Delhi Section for being an outstanding large section by IEEE Region 10 year 2023

IEEE Delhi Section is organizing TENSYP 2024 from September 27-29, 2024 in New Delhi locally hosted by NSUT, New Delhi with General Chairs as Prof. Subrata Mukhopadhyay and Prof. Purna Gaur.

AGM of the section held on 18th February, 2024.

Section Conference DELCON 2024 to be hosted by BVICAM, New Delhi from 21st to 23rd November, 2024.





Dr. G Prasad Acharya
Section NL Editor

Hyderabad Section

ANNUAL GENERAL MEETING – 2024

11th February, 2024

The IEEE Hyderabad Section Annual General Meeting (AGM) 2024 was held on Sunday, 11th February 2024 at Hotel Marigold, Begumpet. Y. Vijayalata, Chairman, IEEE Hyderabad Section warmly welcomed all IEEE members and expressed her heartfelt gratitude for their unwavering support towards section activities. She extended her sincere thanks to all SLATE members for their dedication in increasing the membership count and organizing a substantial number of activities. In celebration of the 40th anniversary of the formation of IEEE Hyderabad section, the chair provided a comprehensive overview of the highlights from the various activities conducted over these four decades.

M.A. Jabbar, Secretary of IEEE Hyderabad Section, provided a comprehensive overview of the Section's activities and expressed gratitude to all volunteers for their efforts. Jaya Prakasan, Treasurer of IEEE Hyderabad Section, presented a brief overview of the Treasurer Report.

IEEE Hyderabad Section also celebrated its 40th anniversary on this day. The event marked four decades of technological innovation, collaboration, and excellence within the IEEE community in Hyderabad. This comprehensive report outlines the proceedings of the event, including awards presentations, citations for Lifetime Achievement Award recipients, and detailed analyses of the nominations and criteria for the various

awards. The list of awards conferred on the occasion of 40th years of celebrations includes:

1. Student Volunteer Award: Elagandula Aparna & Vamsha Vardhan
2. Young Professional Award: Deepak Doopati
3. Women in Engineering Award: Dr. Sree Lakshmi Gundebommu
4. Outstanding Branch Counsellor Award: V. Narasimhulu
5. Outstanding Student Branch Chapter/AG Advisor Award: RamuMoola
6. Outstanding Student Branch Award: Vardhaman College of Engineering and RVR & JC College of Engineering
7. Emerging Student Branch Award: University College of Engineering, Narsaraopeta
8. Student Branch Chapter / Affinity Group Award: Computer Society, Vaagdevi College of Engineering
9. Outstanding Volunteer Award (Age > 35): Dr. Yarlagadda Padma Sai
10. Outstanding Volunteer Award (Age < 35): AnjaneyuluDevarasetty

In addition to these awards, the IEEE Hyderabad Section Executive Committee announced special recognition awards for the following volunteers:

Section Activities Report

1. Significant Volunteer Award: Tara Sai Kumar, Sandeep Chaturvedi
 2. Distinguished Volunteer Award: Somnath Pal & Madhav Negi
 3. LifeTime Achievement Award: Prof. BL Deekshatulu & Dr. N Vyagreswara Rao
- A Vote of Thanks was proposed by Mousmi Ajay Chaurasia expressing gratitude to all the members, volunteers, and individuals directly or indirectly involved in the Section's activities.



Image: AGM, IEEE Hyderabad Section - Group photo

IEEE Hyderabad Section Executive Committee Meeting-2024

25th February, 2024

The IEEE Hyderabad Section Execom Meeting 2024 was held on Sunday, 25th February 2024 at the Tourist Plaza Hotel in Begumpet. The purpose of the meeting was to review the expectations and activities of IEEE Hyderabad Section's Chapters, Joint Chapters, Affinity Groups, and Subsection Activity Planning. Some key points shared

by the Vijayalata Reddy, Chairperson of IEEE Hyderabad Section:

1. Acknowledged and thanked the members for their dedicated volunteerism over the past year and extended a warm welcome to new members joining the slate and SEC.
2. Provided updates on upcoming conferences hosted in collaboration with IEEE Hyderabad Section, including MAPCON2024 and APSCON2025.
3. Mentioned that a proposal is being prepared to be



sent to IEEE R10 for hosting MINI POCO. Secretary M AJabbar will be responsible for submitting the proposal on behalf of IEEE Hyderabad Section.

- Proposed the hosting of HYDCON2024. Vice Chair Mousmi Ajay Chaurasia and Secretary M AJabbar are tasked with expediting the action plan for the event.

Treasurer & Joint Treasurer Address: V Jayaprakasan, Vinit Kumar Gunjan: A detailed report on balances available with each chapter / AG / council has been proposed.

All the Chapters / Affinity Groups & Councils have presented their activities in 2023 and plan for 2024. Finally, Mousmi Ajay Chaurasia, Vice Chair has presented the closing remarks and vote of thanks.

Image: Section Executive Meeting - IEEE Hyderabad Section

AP-S DL on “Entrepreneurship : Turning Ideas into Reality”
6st January, 2024

IEEE MTT-S/AP-S/EMC-S Joint chapter Hyderabad section organized IEEE AP-S Distinguished Lecture on “Entrepreneurship: Turning Ideas into Reality” by Prof., Cynthia M. Furse, Electrical and Computer Engineering, University of Utah, Salt Lake City, Utah, USA on 06th January, 2024 in online mode through WebEx platform. Chapter chair Dr. Prashant Kumar Mishra welcomed Distinguished lecturer Prof. Cynthia and introduced the joint chapter activities. Dr. M. Lakshminarayanan past chair addressed the audience highlighting importance of the topic. Dr. G Arun Kumar, Secretary conducted the proceedings. Dr. Prashant introduced the speaker. Prof. Cynthia discussed various aspects of entrepreneurship and highlighted how a small idea which has potential to make big impact or make significant change to the society can be turned in to entrepreneurial journey. She highlighted the challenges faced and how to overcome these challenges during entrepreneurial journey by sighting examples from her own journey. She also explained the importance of learning about customers, willing to take intellectual risks and picking partners for success. She explained the important entrepreneurial skills, a person needs to inculcate to achieve success. Dr. Arun conducted questions and answer session and

proposed vote of thanks at the end of the talk. The talk was appreciated by all participants.



A History of Climate Change and Role of Solar Energy in Combating it

18th January, 2024

IEEE VNRVJIET SB in association with IEEE Hyderabad Section CIS/GRSS Chapter and SPS Chapter are organising a talk on “A History of Climate Change and Role of Solar Energy in Combating it”. The resource person, Dr Shishpal Rawat, Volunteer President, Solar Cookers International has discussed how human actions are contributing to climate change and investments we need to make to reverse the course. Our carbon emissions are causing the greenhouse effect, trapping heat and making the Earth warmer, faster than could happen naturally. Global average temperatures have risen and weather extremes have already seen an uptick, so climate change is upon us. We will need to work on solutions to reverse climate change as well as mitigate impacts of climate change. We will review some of the progress made in the past, breakthroughs in COP28 and the role of solar energy in meeting the climate challenge. Of particular interest is how solar thermal energy can be utilized to combat carbon.

Intra College Hackathon for DPBH 2023

30th January, 2024

Intra College Hackathon for DPBH 2023 was an innovative event hosted by Department of CSE, Santhiram Engineering College in association with IEEE RAS Student branch chapter-17901A on 30-1-2024 that brought



together bright minds to tackle the pervasive issue of dark patterns in user interface design. This hackathon aimed to raise awareness about deceptive design practices and empower participants to create solutions that prioritize user well-being. The primary objective of the Dark Patterns Hackathon was to address the ethical concerns surrounding dark patterns – manipulative design choices that mislead users for the benefit of the company. Participants were tasked with identifying, analyzing, and developing solutions to counteract dark patterns, ultimately fostering a user-centric digital experience.

Participants formed interdisciplinary teams and were tasked with identifying, analyzing, and developing solutions to counteract manipulative design choices that mislead users for the benefit of companies. With expert guidance, hands-on workshops, and real-world challenge statements, teams created innovative solutions ranging

from browser extensions to educational campaigns. The event culminated in presentations evaluated by a panel of judges.

Expert Talk on Innovative Ideas for Millimeter-Wave and Terahertz Components and Systems

28th February, 2024

IEEE MTT-S/AP-S/EMC-S Joint Chapter Hyderabad Section collectively organized Expert talk on “Innovative Ideas for Millimeter-wave and Terahertz Components and Systems” by Dr. Goutam Chattopadhyay, IEEE Fellow, MTT-S President Elect 2024. He is currently a Senior Research Scientist with the NASA’s Jet Propulsion Laboratory, Caltech, where he is a Visiting Associate with the Division of Physics, Mathematics, and Astronomy. In this talk, with some real-life examples, he has discussed some of the innovative solutions at millimeter-wave and



terahertz frequencies. The science rationale for those projects and the details of the technology developments also were presented. The outcome of the talk is a

brainstorming session with colleagues and the expert about the project problem statements and coming up with innovative solutions.



Distinguished Lecture on Signal Processing for Joint Radar Communication

05 March, 2024

The AESS Hyderabad Chapter was established towards the end of 2022. In 2023, Chapter had six technical and social gatherings. The year 2024 is commenced with a Distinguished Lecture titled 'Signal Processing for Joint Radar Communication' delivered by Dr. Kumar Vijay Mishra from the US Army Research Lab on 05 March 2024 at Hotel The Plaza, Hyderabad, India.

The significance of the topic in the 5G/6G era, and its interdisciplinary nature made the program highly relevant for several society chapters. The speaker elaborated on his research expertise across diverse applications. The talk was accompanied by a lively and engaging Q&A session between the audience and the speaker. The event lasted for nearly 4 hours and was followed by a dinner of the chapter officers with the speaker.

LIGHTENING TALKS on Leveraging Women in Engineering towards Accelerating Progress and Achieving Success



08th MARCH, 2024

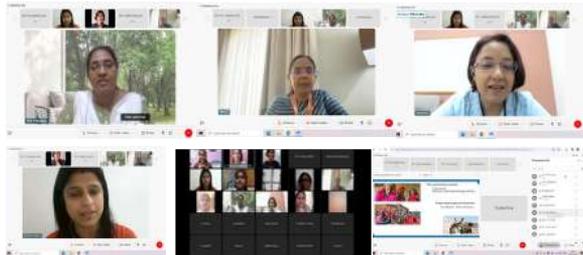
IEEE WIE AG Hyderabad Section in association with IEEE WIE INDIA COUNCIL organized A Series of Lightning Talks on “Leveraging Women in Engineering towards Accelerating Progress and Achieving Success” on 8th March, 2024 enlightened the participants with diverse insights about Women Empowerment. DrVijayalata-Treasurer- IEEE India Council &Chair-IEEE Hyderabad Section,Ms.SudheshnaChowdary- Vice Chair-WIE IEEE India Council, Dr Mini Ulanat- Member IEEE DIC &Ms. Rushali Thakkar, Secretary, PES HAC 2024 shared their wealth of experience as a woman and a leader in the workplace. The following are the details of the talks delivered.

Empowering Women, Empowering Humanity: Dr. Y Vijayalata

Women in Sustainability-Ms. Sudeshna Choudhury

Invest in yourself - Dr. Mini Ulanat

Women in Engineering: Overcoming Challenges and Achieving Success - Ms. Rushali Thakkar

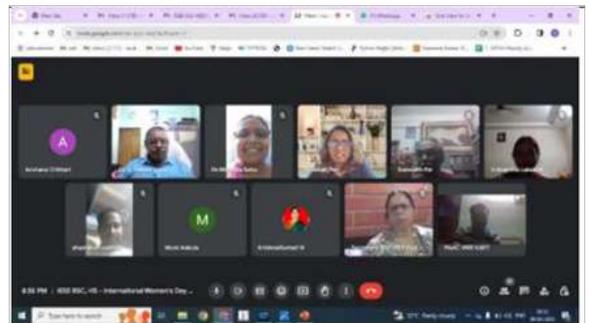


International Women's Day Celebrations

9th March, 2024

The event was organized by IEEE-RSC, ATPSS. Speaking in the event, Dr. Y. Vijayalata, Chair IEEE, HS, discussed support and respect given to the Women and role of Women in leadership and volunteering. Dr.Swarna Bai Arniker, discussed about their importance of IWD and collective efforts for the Women rights,Gender Equal word and the Role of Women. Dr. B. Jyotsna Devi,delivered speech on Few Women on Top : Time to STEM theGender Gap and discussed about working environment forWomen, Digital fluency. Mr.Somnath

Pal, elaborated aboutGender Inequality (UN SDG 5) and Gender Responsive Budgeting,Funds needed for WIRES Activities for 2024-25. Ms. Poushali Paldiscussed about Problem solving for women with softwaredevelopment phases such as Analysis, Planning, Design,Development, Implementation and Maintenance.



IEEE Hyderabad Section Executive Committee Meeting and Volunteer Training Program

17th March, 2024

The IEEE Hyderabad Section Execom Meeting and Volunteer training on Vtools was held on Sunday, 17th March, 2024 at the Tourist Plaza Hotel in Begumpet.

The training session on vtoolsenriched the volunteers in empowering their skills and knowledge necessary to excel in Volunteering roles within the IEEE community. The IEEE Volunteers Training had a series of interactive sessions, panel discussions and training on V tools and L31. The speakers of this training program were (i) Y.Vijayalata (IEEE Code of ethics, Roles and Responsibilities of IEEE Section volunteers), (ii) Mousmi Ajay Chaurasia& Tara Sai Kumar (Life Cycle of an IEEE Event – vTools and L31/CLE), (iii) Vinit Kumar Gunjan/ V Jayaprakashan (Handling Event Finances and Best Practices), (iv) VSK Murthy Balijepalli, SitaramTadepalli, Aditya Rao, MA Jabbar, Sandeep Chaturvedi(Panel discussions), (v) Amit Kumar&AtulNegi (New Initiatives & TCS from IEEE Hyderabad Section).

A Two Day Student Congress “Anokha 5.0-Inspire Inclusion”

15-16 March, 2024



IEEGPREC Student Branchin association with PELS SBC & WIE AG organized a Two-Day Student Congress 'Anokha 5.0' during 15/03/2024 to 16/03/2024. The main objective of this congress is to motivate the students especially first and second year B. Tech undergraduate students. On 15-03-2024 the congress started with session on "Entrepreneurial Mindset" by Sri. Santhosh . Later "The journey from 1.0 to 2.0" by Sri.Giridhar. Afternoon session "Paradigm shift-for profession and personal life"

by Dr.K.Srinivas . On 16-06-2024 the session started with "Role of cyber security in 2024" by Srujan. Followed by "Bridge the Gap" by Smt.Ramya Narendra . Afternoon session have started with "Power of mind map" by Smt. Suja Worrior . Next session on "Women safety and cyber-crime" by Ravi Kiran .The speakers have provided various insights and enlightened the session and their expertise made the significant impact. Finally In the valedictory ceremony, participants were honored, achievements





celebrated, and gratitude expressed, marking a poignant conclusion to the event.

Smart Agriculture System using IoT Technology

22-23 March, 2024

Smart farming is a development that has emphasized information and communication technology used in machinery, equipment, and sensors in network-based farm supervision cycles. Innovative technologies, the Internet of Things (IoT), cloud computing and artificial intelligence (AI) are anticipated to inspire growth and initiate the use of robots and artificial intelligence in

farming through the integration of IoT-driven solutions, Indian farmers can access a wealth of data collected by sensors, actuators, and electronic devices. It plays pivotal role for the improvement and innovations through wide range of sensors including soil moisture, raindrop, humidity, and temperature sensors. The aim of this event is to discuss about the recent advancements in technologies, challenges and future research areas concerning the farming landscape can potentially transition towards more efficient, sustainable, and higher-yielding practices, ensuring food security and economic growth.



ENIGMA 3.0

27th March, 2024

In the grand arena of intellectual prowess, the IEEE GRIET Student Body orchestrated the spectacular “Enigma 3.0” quiz event on March 27, 2024. With an impressive turnout of 240 participants forming formidable teams of four, the event epitomized a fusion of knowledge, teamwork, and strategic acumen. Enigma 3.0 unfolded through three riveting rounds, each meticulously crafted to challenge participants’ cognitive faculties. From the lightning-fast Quizizz round to the high-stakes decision-making of Round 2, and culminating in the strategic gambits of the final round, teams navigated a labyrinth of questions across diverse domains. In the end, one triumphant team emerged, claiming the coveted crown and a cash prize of ₹2000, while the runner-up secured ₹1000. The event reached its crescendo with the esteemed dignitaries, including the IEEE GRIET Counsellor, Director, and Dean of Student Affairs, bestowing accolades upon the deserving victors amidst a backdrop of celebration and camaraderie.

Special Awards and Achievements

1. IEEE Hyderabad Section stands 5th in membership at MGA level.
2. IEEE YP has received the funding approval of \$500.
3. IEEE Hyderabad Section has received the grant of \$2000 towards IEEE pre-university STEM portal grant (TryNano).
4. IEEE Hyderabad GRSS chapter has received a funding of \$2700 towards the activities planned in 2024.
5. IEEE IES Student Branch Chapter of RVR&JC College of Engineering is selected as Local Host for International IES SYP Congress 2024. This event will be powered by IEEE Industrial Electronics Society with a grant of 5000\$. The travel grant for this Congress is available to IEEE IES student members and young professionals (USD 1000 for international members and USD 500 for members within India).
6. Dr.S. Harivardhagini, Chair WIE IEEE Hyderabad section is selected as one of the PES DAY Ambassador for 2024.
7. Dr. S. Harivardhagini is selected as a member of IEEE Industry Academia Young Professionals (IAYP) Subcommittee (2024) of India Council.
8. A team of students (Mentor: Dr S. Vasavi) of V.R. Siddhartha Engineering College have won 4th IEEE GRSS Student Grand Challenge with a grant of \$6000 from IEEE.





Er. Biju G R,
Associate Editor
IKS NL

Kerala Section

Sub Section Activities

1. Malabar Sub Section

The IEEE Malabar Subsection inaugurated the year 2024 with its first event, an Online Hub Chairs Meet. This milestone event, organized district-wise in line with the revamped IEEE LINK structure, welcomed nearly 100 participants, including Chairs, Vice Chairs, and Secretaries.

The meeting facilitated productive discussions and collaborative planning, setting a promising tone for future endeavours.

Fireside Chat: IEEE Malabar Subsection, in collaboration with IEEE Women In Engineering (WiE) Affinity Group GECKKD and IEEE SB GECKKD, organized a



Fireside Chat at GECKozhikode Placement Hall on March 15, 2024. The event explored

the crucial role of women in sustainable development, featuring insightful discussions led by Dr. Sreekala Mulasery Assistant Professor, Department of Comparative Literature, Calicut University Ms. Amita Kammath, Director, College of Advanced Maritime Studies, Kozhikode and Ms. Anjali Chandran, Social Entrepreneur. 45 IEEE student members, 15 non IEEE student members and 3 professional members attended the program.

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

Section Activities Report

session was led by Vyasan J, a Google Certified Data Analytics Professional.

MD and Execom training: In March, IEEE Malabar Hub hosted MD Sessions and Execom training sessions. MD Sessions were conducted online at GEC Kannur and LBSCEK. Execom training was provided online for KMCT, KMCTW, MEA, LBSCEK, GCE Kannur, and VJEC.



ICI-YPE: IEEE Malabar Subsection, led by Dr. Sabiq P V, former chair of Malabar Subsection, and Dr. Sudhi Sudharman, Chair, Industry Relations, Malabar Subsection and Specialist, Automation & Validation, TATA ELXSI, supported the India Council initiative “Industry Collaboration Initiative for YP Engagement” (ICI-YPE) aimed at encouraging industries to promote IEEE within their organizations. As part of this effort, Mr. Shone Jose, Vice Chair of India Council along with Dr. Sabiq P V, visited the Tata Elxsi Kozhikode Center, which expressed interest in establishing an internal IEEE member group. An IEEE awareness session was held facilitated by Dr. Sudhi Sudharman. Tata Elxsi Kozhikode Center offers reimbursement of membership fees and incorporates IEEE participation into KPIs for appraisals. They are keen on collaborating with IEEE Malabar Subsection to enhance the technology ecosystem.

2. Kochi Sub-Section

Event 1: Workshop on Introduction to Proteus Design Suite: IEEE Kochi Sub Section, in association with IEEE CUSAT SB, organized a comprehensive workshop on Introduction to Proteus Design Suite on 28th February 2024 from 4 PM - 5 PM at Old SOE 1, CUSAT.

Event 2: Tinker Hack 2.0: at Rajagiri School of Engineering & Technology (RSET), Ernakulam, on 2nd March 2024.



Event 3: Talk on “Career opportunities after BTech”: at SCMS School of Engineering and Technology on 2nd March 2024.

Event 4: Workshop on Introduction to Vivado: on 5th March 2024.

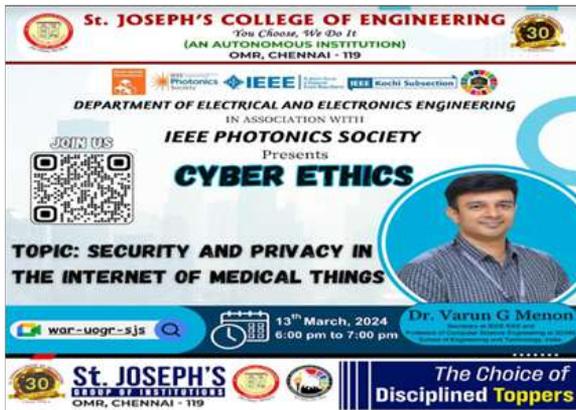


Event 5: International Women’s Day Talk: On 8th March 2024, Women’s Day, organized an online talk on “WESAT: Incredible Tale of a Group of Women.”

Event 6: Technical Talk on Security in Computing: at St.

Section Activities Report

Joseph's College of Engineering and Technology, on 12th March 2024.



Event 7: Technical Talk on Internet of Medical Things: at St. Joseph's College of Engineering, Chennai organized a technical talk online on 13th March 2024.

Event 8: Hands-On Workshop on Semiconductor Device Modelling Using SILVACO ATLAS TCAD Tool: on March 13th, 14th, and 15th at the Wireless Lab, Department of Electronics, CUSAT.

Event 9: IEEE Kochi Subsection Executive Committee Meeting: held on 6th March 2024 at CITTIC, CUSAT, from 5 to 7 PM..



Event 10: Workshop on FPGA prototyping: on 16th March 2024 at the Department of Electronics, CUSAT.

Event 11: Workshop on Introduction to Proteus Design Suite: on 18th March 2024 from 4 PM - 5 PM at Old SOE 1, CUSAT.

Event 12: Digital Design Project Expo: on 20th March 2024 from 4 PM - 9 PM at Old SOE 1, CUSAT.



Event 13: Membership development session: on 22nd March 2024 from 10 AM - 12 PM at Seminar Hall NLB Block SOE 1, CUSAT.

Event 14: Kindle your research interest: a session titled "Kindle your research interest" online on 23rd March 2024 from 09 AM - 12 PM.

Event 15: Transforming student projects to research papers: at SCMS School of Engineering and Technology on 25th March 2024 from 10 AM to 12 PM.

Event 16: Hands on workshop on Semiconductor device modelling using TCAD Silvaco Atlas: IEEE Kochi Sub Section, in association with IEEE CUSAT SB, organized a comprehensive Hands-On Workshop on Semiconductor Device Modelling Using the SILVACO ATLAS TCAD Tool on March 25th, 26th, and 27th at the Wireless Lab, Department of Electronics, CUSAT. Twenty-seven students participated in the event.

Conference Activities Board(CAB)

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. 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.

Promotion of Innovation & Entrepreneurship(PIE)

The Annual General Meeting (AGM) hosted by the IEEE PIE Kerala Section in Kochi served as a cornerstone event, bringing together esteemed members including Midhun C

(Vice Chair), Jen K Jennings (Secretary) and Ardra Saji (Joint Secretary), for a comprehensive evaluation of past achievements and future endeavours. By means of thorough evaluations and analytical views, the strengths and limitations of the section were recognized, and tactics were developed to strengthen its operational framework.

Aside from AGM, one of the most crucial elements was the seamless transfer of leadership, with the next IEEE PIE KERALA SECTION team 2024 which was decided after a smooth, thorough look.

Moreover, created the schedule for the first event plan after the joining of the new Student Leadership Team. As the AGM concluded, it left an indelible mark on the trajectory of IEEE PIE Kerala Section, reaffirming its commitment to excellence, innovation, and societal impact. Equipped with renewed energy and a unique perspective for the future, the section is ready to carry on its tradition of guidance and assistance, driving constructive transformation both inside and outside the IEEE community.

Special Interest Group on Humanitarian Technology

EXECOM 2024

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:

The project conducted three workshops:

- Kollam Workshop (23.01.2024): at TKM Engineering College Women trained in LED bulb and tube assembly
- Trivandrum Workshop (06.02.2024): at SCT College, Women trained and certified in LED bulb and tube assembly
- Alappuzha Workshop (15.03.2024): at St. Joseph's Women's College, Empowering women with skills in LED bulb and tube assembly

Section Activities Report



Attentive Group of Women at Kollam



10 Kudumbasree Volunteers (women) ready to learnLED Training in Progress



Trainees receive certificates from Prof. Bijuna Kunju (Vice Chair) after Successfully Completing the training



Prof. V K Damodran (IEEE) inaugurating the Training Workshop



Trainees with the Trainers at SCT College Laboratory Trivandrum



Dr. Bijuna Kunju, Vice Chair, IEEE Kerala addressing the trainees and guests

Section Activities Report



Dr. Mrs. Annie Thomas, YWCA National Vice Chair and Collaborator on YWCA's mission



Dr. S B Syamala, Retired Principal and GB Member of GEF felicitating the participants

1. Online Meeting of IEEE Kerala Section SIGHT on 25 February 2023, 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.



3. POWERCONNECT: 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, from 02/03/2024 9:00 AM to 03/03/2024 3:00 AM



POWERCONNECT+

NAVIGATING SPACE

Introduction to Electric Propulsion

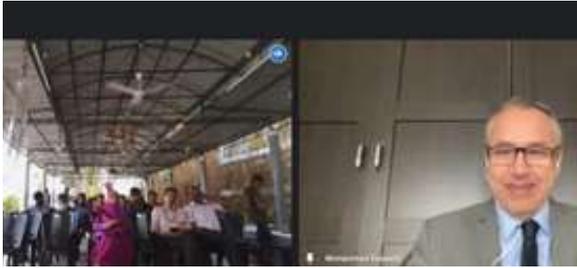
<https://ieeedce.org/PowerConnect>

02 MARCH 03 AJCE

Mr. Shibu Mathew
Division Head
ETFD, ISRO

Section Activities Report

4. SIGHT AGM 2024 on 09/03/2024 at Kollam, Kerala



5. SLT MEETING OF IEEE KERALA SECTION SIGHT on 24/03/2024, ONLINE.

6. SIGHT Kerala Section R&D Team Meeting on 24/03/2024, ONLINE.

Strategic Initiatives-Academia

Planning Committee Meeting on 17-03-2024 from 10 am to 4pm at IEEE Kerala Section Office, Kochi

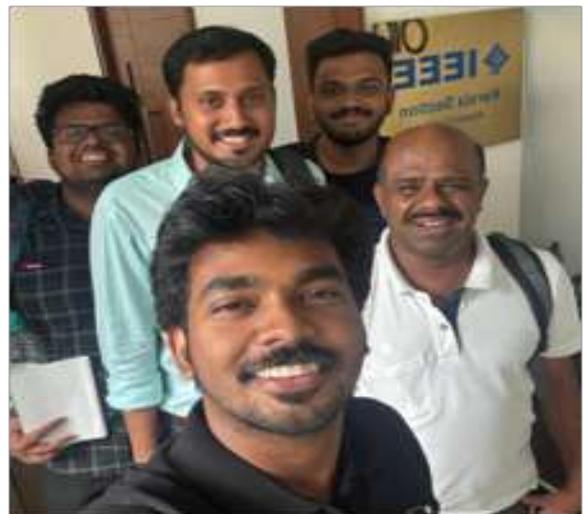
Agenda:

1. To discuss the short-term and long-term initiatives.
2. Project Proposals and possibilities

Attendance:

SI No Name Role

SI No	Name	Role
1	Dr. MVRajesh Maliyeckal	Chair, Strategic Initiatives-Academia IKS
2	Govindaraman S	Secretary, Strategic Initiatives-Academia IKS
3	Shone Jose	Chair, Student Activities Committee IKS
4	Salih Yoosaf	Vice-Chair, Membership Development Committee IKS
5	Feny Roy	Secretary, Industry Relations-Committee IKS
6	Thomas KGimmy	Secretary, Public Visibility Committee IKS





Short Term Actions

1. Faculty Development Program for Higher Secondary Teachers(K-12)in Generative AI Tools for Teaching-Learning in the month of April/May.

Long Term Initiatives

1. Diversity&InclusivityInitiative:
2. ProjectKota:
3. ProjectORE++:
4. ProjectConnectGlobal:
5. ProjectIronMan:

Student Activities Committee



VOLT 24

The SLT Volunteer Leadership Training (VoLT) 2024, organized by IEEE LINK on the 24th and 25th of February, was a notable event dedicated to enhancing the leadership skills of the newly elected members of

the IEEE Kerala Section's student leadership team and student representatives from various societies under the IEEE Kerala Section. Held at KMEA Engineering College in Edathala, Kochi, the VoLT 2024 spanned over two days and featured a blend of online and offline sessions designed to cater to the diverse needs of the participants.

LINK F2F 2024



The IEEE LINK F2F 2024 event, held on February 10th, 2024, at Hotel Dimora in Thiruvananthapuram, Kerala, witnessed the active participation of the newly elected Student Leadership Team of IEEE LINK, along with newly appointed Student Branch Chairs from various student branches across Kerala.

Chair's Meet

IEEE LINK organized a Chairs Meet on the 20th of March 2024, which took place in an online mode, gathering chairs from student branches across Kerala. With a participation of 50 student branch chairs, the session served as a vital platform for collaboration and discussion. The meeting delved into several pertinent topics aimed at enhancing opportunities for students and student branches within Kerala. One of the focal points was the exploration of initiatives like the AKSC and the R10 Robotics Competition, which offer significant avenues for student engagement and development.

R10 Robotics Competition

The IEEE Robotics and Automation Society Kerala Chapter, in collaboration with IEEE Kerala Section and the Student Activities Committee, is organizing Stage 1 of the IEEE Region 10 Robotics Competition 2024.



Spanning over one and a half months, Stage 1 comprises a comprehensive series of events designed to engage participants across Kerala. It begins with an informative online session detailing the rules, regulations, and theme of the competition, featuring insights from the previous year's runners-up.

MEMBERSHIP DEVELOPMENT SESSIONS



IEEE LINK organized and conducted Membership Development (MD) sessions in collaboration with various members of the Student Activities Committee (SAC) team and the Student Leadership Team (SLT) of IEEE LINK serving as speakers. These sessions, held in various student branches across Kerala, utilized both online and offline formats to maximize outreach and engagement.

EXECOM TRAINING



IEEE LINK organized Executive Committee (Execom) training sessions in collaboration with various colleges, aimed at providing attendees with a comprehensive understanding of IEEE and its functions, as well as the roles and responsibilities of IEEE members. The sessions, held at Amal Jyothi College of Engineering on March 19th, St. Thomas College of Engineering on March 11th, and Sahrdaya College of Engineering and Technology on March 21st.

Consultancy Network Affinity Group

CNAGKerala aims to support practicing Consultants by creating a directory with full details of consultants to enable networking, train professionals with experience but lacking consultant skills and to groom Students who wish to pursue a career in consultancy

Activities in the first quarter of 2024

1. Webinar on 'Lab to Startup' on 30th Jan 2024

CNAG and LMAG combinedly launched their 2024 activities by organizing a webinar on "Lab to Startup" on 30th January by Dr. Alex P James, Vice Chair of CNAG and Academic Dean of Digital University Kerala. More than 40 participants attended the programme.

The speaker provided valuable insights on transforming ideas into commercial products and also the importance of experimental learning. He explained how to shape ideas and offered practical tips for converting them into marketable products. The session served as a pragmatic

Section Activities Report

guide for individuals aspiring to transition from laboratory experiments to establishing their own entrepreneurial ventures

2024 - Activities Launch for LMAG & CNAG
Save d' Date for a Webinar : 30 Jan 2024, 6.30 pm
Lab to Startup
How technology led innovations and industrial collaborations transform Quality Education and Policies

You are Warmly Welcome
Link to join will be sent later
- Prof. V K Damodaran, Chair, LMAG
- Er. A Sushair, Chair, CNAG

Prof. (Dr.) Alex James
Dean (Academic), Digital University Kerala
Founder Chair, IEEE Kerala Circuits & Systems Society
2024 Vice Chair, CNAG Kerala
Director & CI, India Innovation Centre for Graphene
Listed among World's top 1% of scientists in E&E

IEEE Advancing Technology for Humanity
IEEE Life members
40 IEEE Kerala Section
LMAG Life Members Affinity Group
CNAG Consultant Network Affinity Group

2. Execom Meeting on 4 Feb 2024 at Digital University



3. Online Officers' Meet on 18th February 2024

4. Interactive session with Dr. Rajeev Joshi, IBM USA on 13th March 2024

IEEE Advancing Technology for Humanity
IEEE Life members
Digital University Kerala

IEEE Consultant Network AG Life Member Affinity Group Digital University Kerala

Cordially invite you to attend a technical talk followed by discussions on
Electronics Innovation and Emerging Technologies

SPEAKER:
Dr. Rajiv V. Joshi
Indian-American prolific inventor and research staff member at IBM's Thomas J. Watson Research Center.
Recipient of the Industrial Pioneer Award and the IEEE Daniel G. Noble Award 2019.
He holds 271 U.S. patents

Date and time - 13 March 2024, 4:00 pm - 5:00 pm (IST)
Venue - Digital University Kerala

LOCATION MAP
Kerala University of Digital Sciences

Dr. Rajeev Joshi, inventor and researcher conducted an interesting session on his professional journey spanning four decades in IBM USA. He answered questions from participants and students on confronting challenges and obstacles in professional career. He also explained the

traits of a consultant and narrated how to evolve as a consultant.

Life Member Affinity Group

Life Members focus on 'Carbon Neutrality' through Outreach and Women Empowerment

The first OU networking was with the WIE AG & SIGHT Kerala, and with the NGO Green Energy Forum (GEF) for a comprehensive program entitled 'Women Empowerment through Green Energy Promotion' with LED lamp assembling, testing, and packaging training for women. It was aimed to replicate this program in all the 14 districts of Kerala, training 10-15 women in groups of 5 in a district. After training, these women are given a certificate of achievement, a set of light machines and tools (free for each group) for setting up a micro enterprise for producing and marketing LED bulbs and tubes in the vicinity of their homes. They are expected to talk to the families around on the merits of green energy and efficient energy use. The margin from the sale of the products will give them an additional income.



LMAG, WIE, and SIGHT jointly organized the workshop, sharing the cost involved (around Rs. 36,000 per workshop for 10-15 women on 23.1.24 at TKM Engg College, Kollam, on 6.2.24 at SCT College of Engineering, Pappanamcode, Trivandrum, and on 15.3.24 at St.

Joseph's College for Women, Alappuzha. Fifteen, Ten, and Fifteen women were trained there along with 5, 10, and 7 Students who would handhold the women for IEEE in their enterprise building stage. From the OUs, Dr. Bijuna Kunju, Vice Chair, Kerala Section; Dr. K Gopalan Nair LSM & Prof. A K Deepa, Chair, WIE; and Prof. V K Damodaran, Chair LMAG & Prof. K Sunitha Beevi, Chair, SIGHT jointly led the program at Kollam, Trivandrum and Alappuzha respectively.

On 'Carbon Neutral Plans for Local Governments and Institutions', LMAG has prepared an approach paper in the form of a PowerPoint presentation in Malayalam. This was presented at the Institution of Engineers Hall on 6.3.24 by Prof. V K Damodaran. Two more local bodies had invited LMAG for interaction with their elected members. This will be a major campaign throughout the current year covering around 30 interactions.



Women in Engineering

Annual General Body Meeting 2023

The Annual General Body Meeting (AGM) 2023 was organized on 10th February 2024 at Hotel Appolo Dimora, Thiruvananthapuram. The meeting started with a code of ethics by Ms. Sarada Jayakrishnan. The addressing of Mr. Muhammed Kasim S Chair of the Kerala Section and Dr. Biju K Secretary IEEE Kerala Section followed them.



Training Unemployed Women/Housewives on "Women Empowerment thro' Green Energy Promotion" (LED lighting devices production aimed at starting of micro-enterprises by groups of women)

Life Member Affinity Group (LMAG) under the IEEE Kerala Section, jointly with the Women in Engineering (WIE) Affinity Group, and Special Interest Group on Humanitarian Technology (SIGHT) under the Kerala Section held discussions on evolving a project proposal for working together and carrying out training programs to empower educated unemployed women/ housewives at multiple locations.

Tink-Her-Hack 2.0 - HACKATHON

Tinker Hub Foundation in collaboration with IEEE SB TKMCE, IEEE WIE KERALA SECTION, and IEEE WIE AG TKMCE organized a women's only hackathon named Tink-Her-Hack 2.0 on 9th March 2024 to 10th March 2024.



WiEmerge

WiEmerge is a series of empowering events that the IEEE WIE Kerala section presents during the WIE Week 2024 celebration. WiEmerge spans across 16 clusters, involving 64 colleges, fostering a dynamic environment of collaboration and empowerment.

The IEEE WIE AGs from SIMAT, CEV, GECK, and MEA held Reels Making Competition. The topic was "Highlight How Your Organization Supports Women".

Young Professionals Affinity Group

YP Micromeetup – 1 | Travancore Hub on 4 February 2024, 4:00 pm – 6:00 pm IEEE Kerala Section office, Trivandrum

IEEE Kerala Section Young Professionals hosted its first successful Micromeetup on February 4th, 2024, with 22 enthusiastic participants and 30 registrations from both academia and industry.



VoLT [Volunteer and Leadership Training Program] 2024

VoLT (Volunteer and Leadership Training) was a dynamic program organized by IEEE Young Professionals Affinity Group Kerala Section on March 16, 2024, at Recca Club, Kochi, Kakkanad. The event aimed to empower participants with essential skills for effective volunteer leadership.

Circuits & Systems Society

Annual General Body meeting of IEEE CASS Kerala Chapter was conducted on 09 March 2024.

Awards and Fundings received for 2024 activities

Section Activities Report

- Grant amount of \$15,600 USD approved for “Maker-CASS club” from IEEE Circuits and Systems Society. PI- Prof. Alex James, Co-PI Rajiv Joshi (IBM),
- Grant amount of \$4000 approved to Prof Alex James for creating CASS courses as part of IEEE CASS Educational Initiative.

Major Events Conducted

Program #1: Program on IoT at Digital University Kerala on 03 Jan 2024.



Mr. Preet Yadav, Chair IEEE CASS Delhi Chapter delivered a talk on Internet of Things at Digital University Kerala on 03 January 2024.

Program #2: VLSI Design and Intelligent Systems at Mandanapalle Institute of Technology and Science (MITS) on 25 Jan 2024

VLSI Design and Intelligent Systems at Mandanapalle Institute of Technology and Science (MITS) on Jan 25, 2024 as a part of MEiTy sponsored workshop. The lecture was attended by about 50 students and introduced them to the intricacies of VLSI Design and its application to modern systems.

Program #3: PCB WORKSHOP using kicad at Sahrdaya College of Engineering and Technology on 21 February 2024.

The event aimed to provide a platform for students to gain knowledge and allow participants to actively engage with KiCad and explore its features. Attendees were guided through the process of schematic capture, component placement, routing, and design validation, enabling them to gain practical experience in PCB design.

Program #4: Grand 100th Day of 100 RTL Days Challenge at Sahrdaya College of Engineering & Technology on 28 February 2024

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

Program #5: i5-Ignite Imaginations & Inspire Iconic Innovations at Digital University Kerala on 01 March - 03 March 2024

Ignite Imaginations & Inspire Iconic Innovations is a three-day National Level Convention organized by the six society chapters of the IEEE Kerala Section in association with IEEE India Council and Digital University.

Program #6: Circuit Design Workshop for Government School Students by Maker CASS club at Digital University Kerala on 10 March 2024

School students from the local government school were invited to attend circuit design workshops at Digital University Kerala on Sunday, 10 March 2024.



Program #7: Memristive Computing Workshop at University of Hyderabad on 15-16 March 2024

Memristive computing workshop jointly organized by University of Hyderabad (UoH) and Digital University Kerala.

Program #8: Inauguration of IEEE CASS Student Branch Chapter at Muthoot Institute of Technology & Science at Muthoot Institute of Technology & Science, Ernakulam on 18 March 2024

With the vision and the mission to foster technological innovation and excellence for the benefit of the future engineers within their field of interest, the inaugural event of IEEE CASS Student Branch Chapter at Muthoot Institute of Technology & Science. To enhance the intellectual ambience of the occasion, Prof. Alex James, delivered a thought-provoking talk on "Opportunities and Scope in the field of IC design".

Program #9: CHIP CHAT: MEC's Workshop series on VLSI and Embedded System at SDPK Hall, Govt. Model Engineering College, Thrikkakara, Kochi on 25 March - 26 March 2024

CHIP CHAT: MEC's Workshop series on VLSI and Embedded System Design organized by IEEE MEC CASS SB, Mixed Signals - the Electronics Association of MEC, and the C2S program of MeitY.

Communications Society

The important events and meetings conducted by IEEE ComSoc Kerala Chapter is listed below

1. A field trip was undertaken by Dr. Job Chunkath and Mr. Nishanth Benny to HTB project area on January 20, 2024 to evaluate the infrastructural facilities at the site.
2. The Professional Executive Committee and the Student Leadership Team held an online meeting on March 4, 2024
3. The Annual General Meeting (AGM) of the IEEE Communications Society (ComSoc) Kerala Chapter took place on March 7, 2024.
4. The Women in Engineering (WIE) group organized

a talk session titled 'Her Story' with Ms. Hema Gopalakrishnan as the speaker, as part of the International Women's Day celebrations on March 8, 2024, in an online format.

5. Dr. Lillykutty Jacob, a distinguished member of the IEEE Communications Society, was honored with the prestigious Women's Outstanding Achievement Award in Academics by the IEEE ComSoc Bangalore Section



Dr. Lillykutty Jacob received the prestigious Women Outstanding Achievements Award (Academics) from IEEE ComSoc Bangalore Society from Dr Ranjani Narayan, Founder, Morphing Machines 23/03/2024

IEEE Computer Society

1. AGM 2023: on February 4th, 2024, 10:00 AM - 02:00 PM IST, LBSITW, Poojappura, Trivandrum

The 2023 Annual General Meeting (AGM) of the IEEE CS Kerala Chapter, held at LBSITW Poojappura on February 4th, 2024, was a significant event attended by 35 IEEE members and 10 non-IEEE members.

2. Colloquium 24: Date & Time: February 24th, 2024, 8:30 AM - 2:00 PM, Venue: Park Centre, Technopark Phase 1.

The IEEE Computer Society Kerala Chapter organized the



second edition of the Colloquium on February 24th, 2024.

Ms. Fincy Yousuf, Vice President of Growth at Equipo, inaugurated the event, followed by technical talks by Mr. Niran Vijaykumar on “Cloud Unbound: The Power of Serverless” and Mr. Sreejai Kurup on “GCP: From Grassroot to Fortune.”

3.VOLT 2024: on February 4th, 2024, 02:30 PM - 04:00 PM IST. LBSITW, Poojappura

Our Volunteer Leadership Training aimed at facilitating a seamless transition between outgoing and new office bearers, providing valuable training and face-to-face interaction opportunities.

4. MD Sessions: In March 2024, the IEEE Computer Society Kerala Chapter conducted a series of Membership Development sessions aimed at promoting IEEE membership, community engagement, and professional growth.

5. ALL About REM & UPE: On March 24th, 2024, a scholarship application session was conducted via Google Meet at 7:00 PM. Led by Mr. Sujith Kumar, a REM scholar from Spring 2023, and Ms. Reema Shaji, a Upsilon Pi Epsilon (UPE) scholar from 2022, the session aimed to guide participants through the application process for REM and UPE scholarships.

6. Higher OU Representations

The IEEE Computer Society Kerala Section (IEEE CSKS) takes immense pride in announcing the selection of five exceptional individuals to represent the chapter globally.

IEEE Education Society

FACE - TO - FACE MEETING on February 25, 2024
Time: 10:00 am to 04:00 pm. Venue: IEEE Kerala Section Office Kochi
The IEEE Education Society Kerala Chapter organized the first event Face to Face meeting for the newly elected Student Leadership Team 2024,



Section Activities Report

Professional execom team 2024 and honouring the outgoing Student Leadership team. The objective of the event was to establish communication, foster teamwork and planning future activities.

IGNITE IMAGINATION & INSPIRE ICONIC INNOVATIONS 2.0 on March 1, 2024 to March 3, 2024 Venue: Digital University Kerala The i5 2.0 convention, organized by the 6 vibrant Chapters of IEEE Kerala Section, was a three-day event that served as a platform for innovation and inspiration.

HER STORY on March 6, 2024 to March 11, 2024 Venue: EdSoc SB's Her Story was a collaboration event between IEEE Education Society and the colleges in Kerala.

FOLDSCOPE on March 6, 2024 Time: 10.00 AM to 1.00 PM Venue: Nirmala Matha Convent School, Palakkad The IEEE Education Society Young Professionals ADHOC Committee, in collaboration with IEEE SB NSSCE, organized a Foldscope workshop under the AP-S Sight Project and the IEEE Education Society STEM and Child Care Program at Nirmala Matha Convent School, Palakkad, Kerala.

PROTALKS SERIES EPISODE.01 on March 29, 2024 Time: 8:00 pm Venue: Google Meet Participants: 67 | IEEE Members | The event ProTalks series started with the thought educating Professionals with veteran professionals and giving insight to undergraduate students.

Engineering in Medicine & Biology Society

1. Faculty Development programme at Mar Baselios College of Engineering and Technology

The Biomedical Research Group, Department of Electronics and Communication Engineering, MBCET, in association with the IEEE EMBS Kerala Chapter, has organised a five days FDP on 'Recent Trends in Healthcare and Assistive Technologies' (RTHAT'24) at MBCET, from 29 January 2024 - 02 February 2024.

2. Expert lecture at CDAC Thiruvananthapuram

A Technical Talk by Prof. Suresh Devashayam, IIT Jammu on topic 'Sensors and instrumentation for human Machine interfaces' was organised.



CDAC THIRUVANANTHAPURAM & IEEE EMBS KERALA CHAPTER PRESENTS

Technical Talk:
Sensors and Instrumentation for Human Machine Interfaces

FRIDAY
15th March 2024

TIME
02:30 PM

VENUE
CDAC Thiruvananthapuram

Mr. Suresh Devashayam
Professor of Electrical Engineering, IIT Jammu

3. IEEE EMBS Women in Biomedical Engineering (WIBE) talk on Gaganyaan project

An online talk of Gaganyaan project of ISRO was delivered by Er. Smitha K S, Scientist Engineer SG and Deputy project director of Gaganyaan project of ISRO at 7 pm, 13th March 2024.

4. Career development workshop for Biomedical Engineering students of TKMIT

Department of Biomedical Engineering,TKM Institute Of Technology in association with IEEE EMBS TKMIT organized a Career development workshop for Biomedical Engineering students in collaboration with Harvey Biomedical.

Section Activities Report



- Chapter Advisor/Counselor (for Student Branches): Dr. Deepak Mishra, deepak.mishra@iist.ac.in
- Other:
- Student Cochair: Ms. Humaira, humairasanam6@gmail.com
- Student Secretary: Ms. Harsha Chandra, harsha.chandra317@gmail.com
- Student Treasurer: Ms. Anagha S Sarma, anagha.anaghauma.sarma@gmail.com



Highlights of the Year

IEEE GRSS Kerala Chapter has organized several technical talks in 2023. The first talk was given by Prof. Mihai Dautcu on the topic 'AI for Earth Observation'. He is currently a full Professor and the Director of the Research Center for Spatial Information (CEOSapceTech) in Germany. Afterward, a distinguished lecture talk was delivered by Dr Lalit Garg, Associate Professor



Geoscience & Remote Sensing Society

Office Bearers for IEEE Kerala GRSS

- Dr. Deepak Mishra, deepak.mishra@iist.ac.in
- Vice-Chair: Dr. Ramiya AM ramiya@iist.ac.in
- Secretary: DivyaSVidyadharan, divyasvidyadharan@gmail.com
- Treasurer: Rajalakshmi CR, rajalakshmicr93@gmail.com
- YP Representative: Ms. Punya.P, PhD student, IIST, Trivandrum, punyachinju@gmail.com



Section Activities Report

in computer information systems at the University of Malta, on the topic 'Satellite 4 Health: Using satellite data analytics for improving healthcare delivery systems'.

The chapter conducted workshops and panel discussions focused on career development and networking opportunities in geoscience and remote sensing. A hands-on section on Drone Flying was conducted as part of GRSS 2023 activities on the IIST campus. More than 40 students participated in the event. A Hackathon titled 'IDEATHON' was held as part of the All Kerala Student Congress 2023.

Community Outreach Activities

The IEEE GRSS Kerala Chapter is deeply committed to engaging in outreach activities to promote awareness, education, and community involvement in the field of geoscience and remote sensing. As part of it, we have conducted a Women Empowering Workshop on 'Advancing Opportunities in Geoscience and Remote Sensing: Fostering Gender Equality in Technology, Careers, and Research' held at the Boston Institute of Analytics.

Member Achievements

The GRSS Kerala chapter has received funding of \$1000 as part of the IEEE GRSS Best Local Young Professional Activity Challenge 2023. Four student members (Ms. Manohar CVSS, Ms. Anagha Sarma, Ms. Punya, P, and Ms. Humaira Sanam) from the Kerala chapter have received an IEEE GRSS travel grant of \$2,820 for presenting papers in the international symposium IGARSS 2023 held in California, USA on July 2023. Two of the GRSS student members (Ms. Jayati Vijayawargiya and Ms. Humaira Sanam) got the IDEA GRSS Microgrant of \$500. Ms. Jayati Vijayawargiya, former GRSS student chair, and active GRSS student member, has received 1st prize in Doctoral Colloquium, IEEE InGARSS 2023, Bangalore.

IA/IE/PELS

Annual General Body and F2f Meet on 04th February 2024 at 10:00 pm (IST). Venue: RECCA Club, Cochin

The IEEE IA/IE/PELS Jt. Chapter Kerala hosted its Annual



General Body and Face-to-Face Meet on February 4, 2024, at the RECCA Club Kochi. The event commenced at 10 am and extended until 3 pm, featuring a diverse program

Dr. Bijuna K, (Immediate Past Chair) then presented Code of Ethics, emphasising ethical conduct within the IEEE community.

SHEWISDOMOnline Talk Session-Experience of a Techno Entrepreneur

The IEEE IA/IE/PELS Jt. Chapter Kerala, under the banner of SHE WISDOM, hosted an engaging online talk session on March 18th, 2024.

SHEWISDOMOnline Talk Session-Experience of a Techno Entrepreneur

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Photonics Society

1. General body meeting: The IEEE Photonics society Kerala chapter held its annual general body meeting on 13th January 2024 after the annual general meeting of the IEEE Kerala section.
2. IEEE Photonics Society Kerala chapter together with International School of Photonics, CUSAT organized a talk by Dr. Ananthu Sebastian, Research and Development Engineer at EXAIL, Lannion, France on 4th January 2024. He gave an exciting overview of the fascinating realm of optical fiber manufacturing, where cutting-edge technologies are shaping the future of communication and beyond.
3. Membership development: Mr. Shone Jose, Chair, SAC led the membership development session conducted at the International School of Photonics, CUSAT on 8th February 2024.
4. WISDOM (Women in Science DOMain) Quiz: In order to spread the awareness about gender equality in STEM fields, the United Nations observe "International Day of Women and Girls in Science" on 11th February every year.

Power Engineering Society

Annual General Meeting: Date: January 26, 2024 Venue: The Residency Towers, Thiruvananthapuram

The IEEE PES Kerala Chapter Annual General Meeting was conducted at Central Residency, Towers,

Thiruvananthapuram and was attended by Professionals, Senior Members and student members.

Headquarters award for 2023 for Outstanding Engineer greater than 15 years was awarded to Er Suhair A, Past chair IEEE,PES Kerala Chair, Outstanding Engineer less than 15 years to Dr Rahul Sateesh, Execom member and Outstanding volunteer award to Prof Deepa ,PES Kerala Chapter Execom member of chapter.OCA 2021 Award plaques was distributed to all office bearers of 2021 whom under the leadership of Er Suhair A, Past chair PES Kerala Chapter who was instrumental in the chapter bagging the prestigious award for large chapter category.

Event No2: National Seminar on Renewable and E-Mobility as part of ANERT

RE-EV Expo 2.0 conducted jointly with PES Kerala Chapter, Date:2.03.2024 to 4.03.2024 at Thiruvananthapuram

ANERTNational Seminar on Renewable and E-Mobility concluded on 04 Feb 2024 as part of the Suryakanthi RE&EV Expo 2.0 in Thiruvananthapuram.

ANERT Innovation Contest was the new competition introduced byANERT for students of various Engineering Colleges as part of the ANERT Suryakanthi RE-EV Expo 2.0 Thiruvananthapuram. TheInnovationContestwas organised in collaboration withIEEE PES Kerala Chapter.

Dr Ajith Gopi (Additional Chief Technical Manager, ANERT and Chair IEEE PES Kerala Chapter) welcomed the gathering of students and participants of the competition.



He was supported by his colleague Er.Divya VandIEEE PES Kerala Chapter volunteers lead by Hariram N P for the conduct of the ANERT Innovation Contest.

Dr. Bobby Philip, Vice Chair PES Kerala Chapter, Rahul Satheesh, PhD, Assistant Professor from Amrita Viswa Vidya Peetam Coimbatore, and Dr. Athira Raj from TATA were in the Judging Panel in the preliminary rounds.

ANERT CEO, Narendra Nath Veluri spoke on the initiatives taken by ANERT so far in building the Energy Policy platform for the State of Kerala and our new efforts to renew it based on the emerging needs of energy transition.



Event No 3: Panel discussion as part of International Womens Day, Date: March 28, 2024, Online

As part of International Women's Day celebration, IEEE Power and Energy Society Kerala Chapter hosted a panel discussion in collaboration with the Women in Power Team.

Event No 4 : IEEE and PES Membership Development Session Date: February 28, 2024 - Online

Introduction: On February 28, 2024, the IEEE Power and Energy Society (PES) Kerala Chapter conducted an insightful Membership Development Session aimed at promoting IEEE and PES memberships among professionals and students interested in the field of power and energy engineering.

1. Introduction to IEEE and PES
2. Membership Benefits
3. Professional Development Opportunities
4. Membership Application

Interactive Discussions: The session featured interactive discussions and Q&A sessions, allowing attendees to engage with the speakers and clarify their queries regarding IEEE and PES memberships. Participants

Event No 5: Inauguration of PES SBC, Amaljiyothi College of Engineering, Kanjirapally on March 16, 2024 - Online

Inaugural Function Report of IEEE Power & Energy Society

The IEEE Power & Energy Society (PES) at Amal Jyothi College of Engineering (AJCE) celebrated its inauguration in a ceremony marked by enthusiasm and the promise of a vibrant future for engineering, innovation.

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).

Section Activities Report

BOOTCAMP 1: KMCT College of Engineering, Calicut.

BOOTCAMP 2: KMEA Engineering College, Ernakulam.

BOOTCAMP 3: Mar Baselios College of Engineering Technology (Autonomous), Trivandrum.



i5 2.0: Igniting Imaginations and Inspiring Iconic Innovations

The IEEE Kerala Section, in collaboration with six distinguished society chapters and Digital University Kerala, proudly concluded the second edition of the three-day National Level Convention, i5 2.0.

Signal Processing Society

EmpowerHER Sarath S

EmpowerHER, a Women in Signal Processing initiative fully funded by IEEE, was conducted with the aim of helping women in the field realize their prowess to become the better versions of themselves, thereby contributing to this vast, technically driven society.



Dr. MV. Rajesh offered a comprehensive summary of the preceding day's sessions, reinforcing the importance of financial independence for women.

Annual General Meeting

The IEEE Signal Processing Society's 2024 Annual General Meeting (AGM) took place on February 18th at the IEEE Kerala Section Office in Kochi, attended by 50 IEEE members, including signal processing professionals and enthusiasts.

Execom Meet

The recent meeting of the IEEE SPS Kerala Section outlined key initiatives for advancing signal processing knowledge and skills.

i5- Ignite Imagination and Inspire Iconic Innovation

The i5 2.0 convention, organized by the vibrant Chapters



of IEEE Kerala Section, unfolded as a three-day platform for innovation and inspiration at Digital University Kerala.

The “Introduction to Artificial Intelligence” workshop organized by SPS Kerala and led by Karthik K provided many hands-on experiences for participants.

SheRising - “To be that You”

As part of the “SheRising” Women’s Day program organized by the IEEE SPS Kerala Chapter, a captivating talk session titled “To Be That You” was conducted, led by Prof. Seema Safar, Treasurer of the Chapter.

SheRising -“Chit Chat with WESAT Team”

As part of “SheRising,” organized by IEEE SPS Kerala Chapter for Women’s Day, a captivating talk featured the esteemed WESAT (Women Engineered SATellite) team from LBS Institute of Technology for Women, Trivandrum.

SheRising -Article Writing Competition

The Article Writing Competition, a standout feature of our

SheRising Women’s Day initiative, served as a poignant reflection of the event’s overarching mission to celebrate and empower women.

Solid State Circuits Society

Talk session on ‘Beyond the Chip: Crafting Career in Semiconductor Innovation’

On 21 February 2024 Online, Time: 8.00 PM- 9.30 PM, Speaker: Rony Alex Thomas, SoC Engr., Intel | Chair, Industry Relations, IKS

IEEE SSCS Kerala Chapter, in collaboration with the Industry Relations Committee, Kerala Section, conducted a talk session on “Beyond the Chip: Crafting Career in Semiconductor Innovation”, the very first event organised by the new EXECOM for the year ‘24-25.

“RESONANCE ‘24” - AGM and Volunteer Training

Date: 24 February 2024, Time: 10 AM, Offline Venue: IEEE Kerala Section Office, Kochi.

The IEEE SSCS Kerala Chapter convened for the RESONANCE ‘24, Annual General Meeting (AGM) and Volunteer Training on February 24, 2024, at the IEEE Kerala Section Kochi Office.

Talk session on ‘Low Noise CMOS Image Sensors for SWIR Imaging’

Date: 1 March 2024, Mode: Offline, Venue: Digital University, Kerala, Speakers: 1. Ms. Tusha Tanya, Analog

Section Activities Report



A workshop on FPGA Foundry; Crafting Digital Magic with Verilog was conducted as a part of i5- IGNITE IMAGINATION & INSPIRE ICONIC INNOVATIONS 2.0, the three-day National Technical Convention, conducted collaboratively by the Kerala chapters of IEEE SPS, IEEE Photonics Society, IEEE CASS, IEEE SSCS, IEEE RAS and IEEE EdSoc.

SREEDEEPAM on 23 March 2024, Mode: Offline, Venue: College of Engineering, Trivandrum

Time: 11 AM - 3.30 PM



IEEE SSCS Kerala Chapter organized 'Sreedeeepam', a Women's Day event aimed at empowering and celebrating the spirit of women through an LED-making workshop for the Kudumbashree unit members at CET, Trivandrum.

Vehicular Technology Society

The IEEE Vehicular Technology Society Kerala Chapter started the year with a technical session on EV Charging Performance and Issues on the topic "Powering the Future: Unveiling the potential of EV charging – Exploring Performance and Overcoming Challenges" on 27th February 2024 at 8.30 pm via Google Meet. The speaker Mr. Sajin Ismail, Assistant Engineer (REES) KSEBL explained about the power distribution, e-mobility projects, renewable energy associated with KSEBL



Design Engineer, 3rdiTech, 2. Ms. Iqra Shahab, FPGA Engineer

Workshop on: FPGA Foundry; Crafting Digital Magic with Verilog

Date: 2 & 3 March 2024, Mode: Offline, Venue: Digital University Kerala, Thiruvananthapuram, Speakers:

1. Er. Divine A. Mathew, Design Engineer – RTL, Digital Core Technologies Pvt. Ltd., Kochi, Kerala
2. Er. Sree Sankar E, Design Engineer – RTL, Digital Core Technologies Pvt.Ltd, Kochi, Kerala

On 22nd March 2024 at 6.30 pm via Google Meet the second technical session on the topic "Wireless is back: 6 G revolution towards Connected Intelligence" took place on 22nd March 2024 at 06:30PM. The session was handled by Dr. Aylin Yener, from Ohio State University. On her talk she gave us insights to the importance of 6G, how it will enhance connectivity for all, provide security and privacy, convergence of sensing etc, which was followed by the question answer session.

The VTS SLT Team 2024 Meeting was conducted on 07/02/2024 at 9PM in the online mode via Google Meet. The meeting started with the introduction of each SLT members, collected and discussed the various activities planned for the year. As we are moving towards the second quarter we are hoping to make all our planned activities and events to happen.



Reported by
Dr. Chandni Pani
Kolkata Section

Kolkata Section

Kolkata Section Annual Social-2024

Date and venue of Event: 11/02/2024, Kamala Gardens, Bibirhat, on Bakrahat Road

The annual Social of Kolkata Section was held on 11th February, 2024 at Kamala Gardens, at Bibirhat on Bakrahat Road. 49 IEEE members and their family attended the daylong event starting from 9-30 am onward.

All those who attended enjoyed the ambience with Student & YP members in particular getting involved in sports activities. One bus was arranged to ferry members from different corners of the city. Picturesque ambience, breakfast, sumptuous lunch and snacks & beverages made the day a memorable one.



IEEE SSCS Kolkata Chapter

1. Technical Talk

Technical Talk on 8th January, 2024 organized by IEEE ED MSIT SBC and IEEE SSCS Kolkata chapter in association with Department of ECE, MSIT, Kolkata. Lecture was delivered by Mr. Dipanjan Sen, Ph.D. Scholar, Penn-State University, USA. He talked about 2D Materials and Devices for Ubiquitous Electronics. Total 40 Students and 10 faculty members from Department of ECE, MSIT, Kolkata attended the talk.

Technical Talk by Dipanjan Sen

2. Technical talks by distinguished speakers

Date and venue of Event: 29th February 2024 from 3PM-5 PM at the Department of Electronics and Telecommunication Engineering, Jadavpur University.

The first technical talk by Dr. Sourajeet Roy was on the topic of advanced VLSI Interconnects with emphasis on machine learning-based electronic design automation (EDA) of such interconnects. The second technical talk

by Dr. Avirup Dasgupta was in the domain of advanced semiconductor device and modeling, and the use of machine learning for electronic design automation of compact models. The discussion also involved cryogenic device-circuit codesign, 2D materials, and green energy. This was followed by an interactive session on joint research prospects and scope of higher studies for students. The invited speakers were provided with tea and lunch packets, and the participants were provided with refreshments. Further, as a token of appreciation,



mementos were handed over to the speakers at the conclusion of the event. Total 34 participants are participated in the talk.



Technical Talk by Dr. Sourajeet Roy and Dr. Avirup Dasgupta

IEEE CAS KOLKATA SECTION

1. INDIA GROWTH OUTREACH ACCELERATED LINKAGE (GOAL) PROGRAM

Date and venue of Event: 8th of January, 2024, IEM Gurukul Campus, Kolkata

The inauguration session was followed by felicitation of Mr. Preet Yadav, done by Prof. Mili Sarkar, faculty advisor of IEEE CASS, Kolkata chapter. Then Mr. Preetyadav addressed IEEE CASS society, highlighting its importances and exposure referring to the semiconductor and VLSI industry. The integration of technology was a highlight, showcasing its pivotal role in fostering growth. Real-world success stories added depth, and the talk addressed challenges with practical solutions. The



interactive elements kept the audience engaged, making it a well-rounded and informative session. Total 20 participants are participated in the program.

India growth Outreach Accelerated Linkage program

2. INDIA GROWTH OUTREACH ACCELERATED LINKAGE (GOAL) PROGRAM

Date and venue of Event: 09/01/2024, Time: 9.30pm to 2.30pm, GNIT Auditorium

We are pleased to announce that Department of Electronics and Communication Engineering (ECE) of Guru Nanak Institute of Technology organized the "India Growth Outreach Accelerated Linkage (GOAL) Program" on 9th January 2024 under the aegis of IEEE CASS Kolkata Chapter and IEEE CASS Delhi Chapter.

The programme was inaugurated by Prof. Swarup Kumar Mitra, Principal, GNIT and welcome speech was conveyed by Dr. Sunipa Roy, HOD, ECE, GNIT and Convener of this programme.

The Keynote session was graced by Mr. Preet Yadav, R&D SOC Technical Program Manager at NXP Semiconductor and Chair, IEEE CASS Delhi Chapter who has addressed "ONE CASS: Global Open Networked Engaging (ONE) Circuits & Systems Society" and with a consecutive session by Prof. Kamal Sarkar, Professor, Department of Computer Science and Engineering, Jadavpur University who has presented his talk on "How to Club VLSI with ML Algorithm".. Prof. Mili Sarkar, Chair, IEEE CASS Kolkata Section joined us to make the event successful.

A panel discussion has been arranged with 4 panelists to discuss IEEE CASS vision.

Mr. Preet Yadav also shared some valuable thoughts on how to grab funding opportunity for students from IEEE CASS by opening a student chapter. Total 50 students are participated in the program.

The students were highly motivated by the talk, as the speaker has shown the pathway towards excellence in the Hardware field.

Some of the glimpses of the event are attached herewith for your kind perusal.



India growth Outreach Accelerated Linkage program

3. Name of the Event: Quiz Competition

Date and venue of Event: 25th of January, 2024, Kolkata Book Fair, Karunamoyee, Kolkata

The IEEE IEM Circuits and Systems Student Branch Chapter organized a quiz competition in the Kolkata Book Fair, one that was focused on recent trends, general knowledge, sports, science, space and electronics. The event also helped to promote IEEE and its importance. Many youngsters found the event attractive and took part in the same. Apart from youngsters, the crowd itself showed a huge amount of interest in answering the questions asked. Prizes were distributed to the participants who answered the questions correctly by Faculty Advisor of CASS; Prof.Mili Sarkar and Faculty Advisor of APS; Prof.Srijita Chakraborty. Total 50 students are participated in the program.



Quiz Competition

4. Novel Semiconductor Memory technologies for AI/ML Applications

Date and venue of Event: 5th February, 2023, 4pm-5pm, IEM Gurukul Campus

IEEE IEM CASS Student Branch Chapter in association with IEEE CAS Kolkata Section, IEI and IEEE WIE affinity group has organized a research talk on 5th February,



Section Activities Report

2024. In this event Mr. Shankha Mukherjee, PhD Research Scholar (IMEC, Belgium) has delivered a talk on “Novel Semiconductor Memory technologies for AI/ML Applications”. Near about 40 students and 10 faculty members were present.

Research talk on 5th February, 2024. In this event Mr. Shankha Mukherjee

5. OUTREACH Program

Date and venue of Event: 21st of February, 2024, Institute of Little Stars, MahanadNagarpara, Hoogley

IEM IEEE CAS Student Branch Chapter in association with IEM IEEE WIE affinity group, IEM IEEE APS Student Branch Chapter and IEM IEEE MTTs Student Branch Chapter has organized an outreach program on 21st of February, 2024, Institute of Little Stars, MahanadNagarpara, Hoogley. Here student Branch chapters has donated two computers to the school children. They have also distributed chocolates and biscuits among them. Total 60 students are participated in the program.

Name of Speaker/Delegates present with affiliation:

1. Prof (Dr). Rintu Kumar Gayen, Professor of ECE, IEM.
2. Prof (Dr) Rajib Ghose, Professor of ECE department, Institute of Engineering & Management.

Outreach Program



6. IEEE FOUNDATION DAY

Date and venue of Event: 20th of February, 2024, IEM Gurukul Campus, Kolkata

The IEM IEEE WIE affinity group, IEM IEEE CAS Student Branch Chapter, IEEE Kolkata Section organized an enriching lecture in commemoration of IEEE Foundation Day. Renowned Prof. Sujit Kumar Biswas delivered a captivating discourse, exploring pertinent subjects within the field of electrical engineering and its practical applications. The event, starting at 4:15 pm, witnessed active participation from both students and faculty members, who enthusiastically shared their insights and perspectives. Prof. Biswas' presentation served as a valuable platform for the exchange of knowledge and networking opportunities, fostering a collaborative environment for budding engineers. In essence, the event aptly reflected the essence of IEEE Foundation Day, advocating for the continual advancement of technology and innovation within the academic sphere. Total 80 participants are participated in the program.

Name of Speaker/Delegates present with affiliation:



Section Activities Report

1. Prof (Dr). Sujit Kumar Biswas, Former Professor of EE, Jadavpur University, Past Chairman IEEE, Kolkata Section.
2. Prof (Dr) Mili Sarkar, Associate Professor of ECE department, Institute of Engineering & Management. Chair IEM IEEE CAS Student Branch Chapter.
3. Prof (Dr). Ratna Chakrabarty, Professor of ECE department, Institute of Engineering & Management, Branch Advisor WIE Affinity Group
4. Prof (Dr). Tanima Bhowmik, Associate Professor of CSE (AIML) department, Institute of Engineering & Management, Treasurer IEEE WIE Affinity Group.
5. Prof (Dr) Swati Choudhury, Professor of EE department, Institute of Engineering & Management.

IEEE Foundation Day Program

WIE Affinity Group

1. The 7th International Workshop on Networking Women in Distributed Computing and Networks 2024

Date and venue of Event: January 4, 2024, Chennai, India

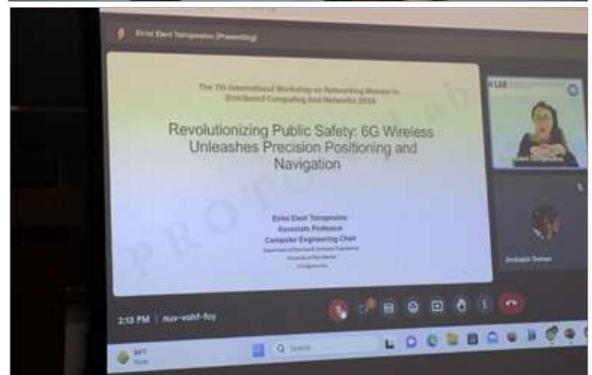
The 7th International Workshop on Networking Women in Distributed Computing and Networks 2024 held in conjunction with 25th International Conference on Distributed Computing and Networking (ICDCN 2024) mainly focused on recent researches in networking and distributed computing fields which have given immense rise to the emerging areas like Internet of Things, mobile & cloud computing, Big Data analytics, machine learning, 5G etc. The workshop was held to encourage specially the women researches who are enthusiastically working in these areas and consider their research works which have escalated the change in the computing world. The program consisted of invited talk by Dr. Eirini Eleni Tsiropoulou, Associate Professor, Department of Electrical and Computer Engineering, University of New Mexico, United States, followed by few selected paper presentations. One best paper award was offered. The program was partially sponsored by IEEE Women in Engineering (WiE). This workshop was started in 2018 and the earlier workshops were held in IIT(BHU), IISc Bangalore, Jadavpur University, Kolkata, Nara, Japan

and IIT Delhi. In 2021 and 2022, due to pandemic the workshop was held in virtual mode followed by physical mode in IIT Kharagpur in 2023. Total 40 participants are participated in the program.

Name of Speaker/Delegates present with affiliation:

Dr. Eirini Eleni Tsiropoulou, Associate Professor, Department of Electrical and Computer Engineering, University of New Mexico, United States

Dr. Punyasha Chatterjee, Associate Professor, Jadavpur University, India & IEEE WIE AG Kolkata Section (Ex-Com member)



Dr. Punyasha Chatterjee with a participant Invited Talk at NWDCN 2024

2. TRIVIA QUIZ

Date and venue of Event: January 24, 2024, International Book Fair, Kolkata

IEEE IEM Women in Engineering (WIE) student affinity group organized a Trivia Quiz event on the 24th of January, 2024 from 4:30 PM to 5:30 PM at the Kolkata International Book Fair. More than 100 participants took part in the Trivia Quiz which consisted of questions primarily on GK and engineering. This event gave the participants a chance to showcase their talent and show-off their knowledge in various fields. There were exciting goodies for each participant who was able to answer correctly. Thus, the Trivia Quiz was a grand success with enthusiastic participation from all the attendees, participants and WIE society members! More than 100 participants are participated in the program.

Name of Speaker/Delegates present with affiliation:

1. Prof. Sheli Sinha Chaudhuri, Professor ETCE, Jadavpur University, Chair IEEE WIE
2. Dr. Ratna Chakrabarty, Professor, ECE department, Institute of Engineering & Management, Branch Advisor WIE AG (Ex-Com member)
3. Dr. Swati Chowdhuri, Professor, EEE department, Institute of Engineering & Management, Ex-Com member Member WIE AG



V tools Links: <https://events.vtools.ieee.org/m/403124>

IEEE Young Professionals Kolkata Section

1. Technical Lecture Programme

Date and venue of Event: 5th January, 2024 at ADMH, Dept. of CSE, Jadavpur University

Department of Computer Science & Engineering, Jadavpur University in technical association with IEEE Young professionals, Kolkata Section organized a Technical Lecture Programme at ADMH, Dept. of CSE, Jadavpur University on 5th January, 2024. The title of the talk was "Rethinking Model interpretability in binary medical



image classification problems". The talk was delivered by Mr. Sourya Sengupta, PhD student of Department of Electrical and Computer Engineering, University of Illinois, Urbana-Champaign. Around 32 participants including 3 IEEE members joined the event. Participants are mostly students, research scholars and faculties of different institutes. The talk was interactive and participants enjoyed the session very much. Total 32 participants are participated in the program.

Part of the participants of the Technical Lecture Programme of Mr. Sourya Sengupta



2. Faculty Development Program on Cutting Edge: Horizons of Data and Analytics

Date and venue of Event: 22nd to 31st January, 2024 at Meghnad Saha Institute of Technology (MSIT), Kolkata

Department of CSE, MSIT Kolkata in technical collaboration with IEEE Young Professionals, Kolkata Section organized a Faculty Development Program at Meghnad Saha Institute of Technology (MSIT), Kolkata from 22nd to 31st January, 2024. The topic of FDP was "Cutting Edge: Horizons of Data and Analytics". Around 42 participants including 05 IEEE members joined the event. Participants are faculties of different institutes.

Name of Speaker/Delegates present with affiliation:

- Prof. Swapan Bhattacharya, Dept. of CSE, Jadavpur University
- Prof. Amlan Chakraborty, Director AKCSIT, Calcutta University
- Prof. Asit Kumar Das, Professor, Dept. of CSE, IIST.
- Prof. Santi Prasad Maity, Dept. of IT, IIST, Kolkata



- e) Dr. Kuntal Ghosh, ISI, Kolkata
- f) Dr. Sudip Kumar Naskar, Associate Prof., Dept. of CSE, Jadavpur university
- g) Dr. Dwaipayan Roy, Assistant Prof., Dept. of Computational & data Science, IISER
- h) Mr. Sayantan Chakraborty, Operation Division IETA, Microsoft Certified Trainer.

Prof. Swapan Bhattacharyya delivering his lecture at the FDP

3. Technical Lecture Programme

Date and venue of Event: 6th March, 2024 at Seminar Hall-1 Cooch Behar Government Engineering College

Department of Computer Science & Engineering, Cooch Behar government Engineering College and IEEE

Young professionals, Kolkata Section jointly organized a Technical Lecture Programme at Seminar Hall-1 of Cooch Behar Government Engineering College on 7th March, 2024. The title of the talk was “Deep Learning Optimizers: Gradient Descent and its Recent Advances”. The talk was delivered by Dr. Swalpa Kumar Roy, Assistant Professor, Department of Computer Science & Engineering, Alipurduar Government Engineering and Management College. Around 55 participants including 4 IEEE members joined the event. Participants are mostly students and faculties of Cooch Behar College and Cooch Behar Government Engineering College. The talk addresses the study of several versions of gradient descent and its variants, which are already in the PyTorch optimizer, including SGD, Adagrad, adadelta, RMSprop, Adam in deep learning environment.

Dr. Swalpa Kumar Roy addressing at the Technical Lecture Program at CGEC





Dr. K. Porkumaran
Section Chair

Madras Section

“Research Convergence Conclave: Unleashing Internship Initiatives”

On January 11, 2024, IEEE Madras Section embarked on enriching research internship opportunities. This collaborative effort provided a platform for skill enhancement and practical experience by partnering with prestigious organizations including C-DAC, CERT-IN, CMET, ERNET, NIELIT, SAMEER, STQC, and the Ministry of Electronics and Information Technology (MeitY), Government of India. Dr. Pavanthan Arumugam, Director (R&D) ERNET India, Ministry of Electronics & IT, Government of India and team shared the opportunities available for IEEE Members. Dr. Porkumaran, Chairman, IEEE Madras Section explained the initiatives taken by Madras section to help the scientific community. Mr. Gaganpreet Singh, CDAC, Mr. Mahesh Scientist F, SAMEER Chennai, Shri Ishant Kumar Bajpai, SC-D, NIELIT Chennai, Ms R Radhika, Scientist F, STQC, Mr. Hari Krishna Atluri, ERNET also explained the process. Attendees had the opportunity to

explore internship initiatives and engage in discussions on emerging trends and challenges in research convergence. Through interactive sessions and expert insights, participants gained valuable knowledge and networking opportunities, contributing to the advancement of research and development in the field. This awareness session on Work-based learning Opportunity is an excellent opportunity for participants, they gained comprehensive information about the program and understand its potential impact on their professional development.

“Faculty Development Program (FDP) on Industrial IoT and Connected Devices”

IEEE MAS Sponsored Faculty Development Program on Industrial IoT and Connected Devices on 01.02.24 to 06.02.24 hosted by Sri Sairam Engineering College. The FDP provided participants with a comprehensive understanding of the rapidly evolving landscape of IoT technologies. Through interactive sessions, hands-on activities, and expert insights, educators gained the knowledge and skills necessary to effectively teach and incorporate Industrial IoT concepts into

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GOVERNMENT OF INDIA
RESEARCH PRESENTS
CONVERGENCE CONCLAVE
UNLEASHING INTERNSHIP INITIATIVES
STIPEND ₹10,000/MONTH
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✓ 2022 to 2023
✓ SC, ST, EWS and Women Candidates
REGISTER HERE
Dr. Pavanthan Arumugam
Director (R&D) ERNET India,
Ministry of Electronics & IT,
Government of India
DATE - 11th January, 2024
TIME - 6:30 pm
Dr. K. Porkumaran
Chairman, IEEE Madras Section



Section Activities Report

their academic programs. The program successfully fostered a community of practice among participants, paving the way for continued exploration and innovation in this exciting field.

“IEEE ANNUAL MEETING & IEEE AWARDS NIGHT”



IEEE Madras Section organizes an IEEE annual meeting and IEEE awards night which was held on 23.02.2024 at 6PM(IST) at the esteemed Hotel Le Royal Meridien, Guindy. Event started with the Annual Meet, Welcome Address was proposed by Dr. K. Porkumaran, Chairman, IEEE Madras Section, he shared about the achievement of Madras Sections & Members. He highlighted the events conducted during the term. Followed by Approval of Previous AM Minutes. Secretary's Report for 2022-23 was presented by Dr. R. Hariprakash, Secretary IEEE MAS. Treasurer's Report for CY 2023 was presented by Dr. S. Radha, Treasurer. Followed by Distribution of Awards and certificate of appreciation and recognition to the Student Branch, Societies, Affinity Groups, Awards Winners.

IEEE MAS Innovation Excellence Award was given to Dr G Sai Narayanan, Technology Director HCL TECH, Dr.Paventhana Arumugugam, Director (R&D) ERNET India&Dr. Srinivasan, SVP, Larsen & Turbo. Life Time Achievement Award was given to Dr. N. Sarat Chandra Babu, Life Member, IEEE Madras Section

IEEE members and volunteers who contributed for the event



SUCCESS.



(Award details are given separately in 'Awards' pages).

“Webinar on the IEEE R10 Robotics Competition 2024”



Section Activities Report

IEEE Madras Section, in collaboration with the IEEE Madras Section Student Activities Committee and the IEEE Madras Section Young Professional Affinity Group, hosted a webinar titled IEEE R10 Robotics Competition 2024 on 30.03.24 at 6:00 PM IST. The webinar featured esteemed speaker Mr. Akarsh Ashok, a Member of the IEEE R10 Robotics Competition 2024 and Volunteer of the IEEE Madras Section YP AG. The IEEE R10 Robotics Competition provided a platform for robotics enthusiasts to showcase their ideas and talents. During the webinar, Mr. Ashok delved into various aspects of the competition, including its different rounds, eligibility criteria, evaluation process, and addressed any queries that arose during registration or the session itself.

“Webinar on IEEE MAS SAC Awards”

IEEE Madras Section Students Activity Committee, IEEE Madras Young Professionals and IEEE Women in Engineering Affinity Group Madras Section organized Awareness Webinar on SAC AWARDS during March 2024 (Virtual Mode).

Webinar on IEEE Outstanding Branch Counselor and Branch Chapter Advisor Award by Dr. T. Sree Sharmila, Chairperson, IEEE WIE, Madras Section, Associate Professor, CSE, College of Engineering Guindy, Anna University on 16.03.24.

Webinar on IEEE MGA SAC Awards by Prof. Dr. D. Nirmal, IEEE MAS Awards, Sub-Committee Chair, Professor, Electronics and Communication Engineering dept, Associate Dean Engineering and Technology, Karunya Institute of Technology and Sciences (Deemed to be University) on 18.03.24.

Awareness Webinar on IEEE MGA SAC Awards by Prof. Dr. D. Nirmal, IEEE MAS Awards, Sub-Committee Chair, Professor, Electronics and Communication Engineering dept, Associate Dean Engineering and Technology, Karunya Institute of Technology and Sciences (Deemed to be University) on 18.03.24.

Awareness webinar on IEEE Student opportunities and awards by Warunika Hippola, Lecturer(Probationary), SLTC Research University on 25.03.2024. Speaker shared various awards available in IEEE and shared the guidelines and gave tips for applying.

IEEE Madras Section Young Professionals

Unlocking Potential with Multi Rotor Drone Operations

On February 3, 2024, IEEE Madras Young Professionals and



the Research and Development Cell of Jeppiaar Institute of Technology (JIT) collaborated to organize the “Unlocking Potential with Multi-Rotor Drone Operations” event. Conducted online, the event aimed to explore the diverse applications and opportunities in multi-rotor drone operations. With 30 attendees, participants delved into discussions and presentations on the latest advancements and practical insights in the field. The event provided a platform for knowledge sharing and networking, empowering attendees to harness the potential of drone technology for various industries and research endeavors.

IEEE Region10 Robotics Competition Alumni Talk

On February 9, 2024, IEEE Madras Young Professionals hosted the “IEEE Region10 Robotics Competition Alumni Talk” via Podcast. The event, conducted by volunteer Akarsh, featured interviews

Section Activities Report

with two distinguished alumni who shared their experiences from the IEEE Region10 Robotics Competition. With three attendees, the talk provided valuable insights into the competition journey, fostering knowledge exchange and inspiration for aspiring robotics enthusiasts. This initiative highlights the commitment of IEEE Madras Young Professionals to engage with industry leaders and promote learning opportunities in the robotics domain.

The interview is available for viewing at bit.ly/ieemasyprc.

Technical Talk on Electric Vehicle Charging Infrastructure

On February 26, 2024, the IEEE Madras Section, IEEE Madras Section Young Professionals AG, and IEEE Madras Vehicular Technology Society collaborated to host a Technical Talk on

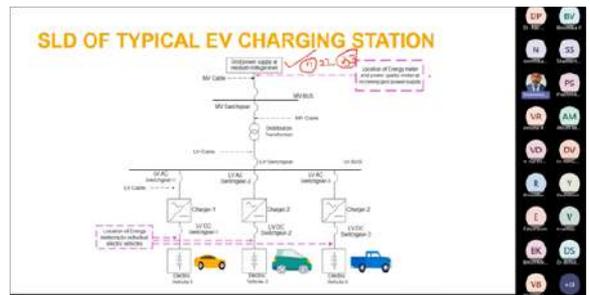


Electric Vehicle Charging Infrastructure. This online event aimed to explore advancements in electric vehicle technology and discuss the challenges and opportunities in developing charging infrastructure. With 55 attendees, the talk provided valuable insights into the future of sustainable transportation. The event facilitated knowledge sharing and networking opportunities among professionals and enthusiasts interested in the electrification of vehicles. Speaker Er. Sivaraman P delivered informative presentations, enriching the audience's understanding of this evolving field.

Recording of the session : <https://youtu.be/jzRpCATL7Vk?si=mvz1y3RpQICHDCeM>

"ECOREV'24 CYCLE RALLY REPORT"

On 25.02.24, the Ecorev'24 Cycle Rally was organized by the IEEE Madras Section in collaboration with IEEE Madras Young Professionals, IEEE SIGHT Madras Section, and St. Joseph's



IEEE Student Branch. The event aimed to advocate for sustainable development and raise awareness about climate change, highlighting the importance of eco-friendly transportation and collective responsibility towards environmental conservation.

The rally attracted participants from various backgrounds, including students and enthusiasts, who gathered to pedal through a scenic 14-kilometer route from Mayaajal to Muttukadu.



“IEEE Madras - Singapore Young Professionals Connect 2024”

On March 3, 2024, IEEE Madras Young Professionals and IEEE Singapore Young Professionals collaborated to organize the IEEE Madras - Singapore Young Professionals Connect 2024. This professional event, conducted online, aimed to foster collaboration and knowledge exchange between young professionals from both regions. With 35 attendees, the event provided a platform to explore emerging technologies and career opportunities in various fields. Participants engaged in insightful discussions and networking sessions, enhancing their understanding of industry trends and forging valuable connections across borders. The event facilitated meaningful interactions and laid the groundwork for future collaborations between IEEE professionals in Madras and Singapore.

1st Hour: Technical Talks- Theme: Emerging Technologies and Opportunities for Aspiring Engineers by Dr. Shoeb Shaikh, Senior AI Data Scientist at SIA Engineering Company & Dr. Ramalatha Marimuthu, Director at iExplore Foundation for Sustainable Development

Second hour was Panel Discussion on Career Opportunities in Madras and Singapore Featured distinguished professionals: Mr. Arun M, Chair, IEEE Madras Young Professionals, AP, Panimalar Engineering College, Mr. Zhao Ziyuan (Jacob), Senior Research Engineer at I2R, A*STAR IEEE Member, Ms. Indhumathi G, Business Intelligence Analyst at Comcast, India, Treasurer, IEEE MAS YP & Mr. Abdul Halik M I, Operations Lead at Forte Consulting, Secretary IEEE MAS YP.

“Webinar on Unlocking Insights With Data Visualization: A Guide to Tableau and Power BI”

Panimalar Group of Institutions, IEEE Madras section YP, IEEE TEMS and IETE presented a webinar on Unlocking Insights with Data Visualization: A Guide to Tableau and Power BI by Mr. Thilakesh Raj, Masters in information Technology, University of Technology, Sydney, on 15.03.24 from 6:00 to 7:00 PM (IST). He initiated the session by the technical aspects of Tableau and PowerBi. He also explained how to transform raw data into visually compelling dashboards and reports using Tableau and Power BI. The participants gained a deep understanding of data visualization principles, including data connection, filtering, and visualization customization. Around 30 participants attended. The Student Coordinators Narmadha K, Hari Priya K, Kamaleeshwari

P, Santha Lakshmi S coordinated the event along with the Staff Coordinator Mr. M. Arun, AP/ECE.

“Webinar on From Zero to Data Hero - Your Roadmap to Mastering Data Analytics”

Panimalar Group of Institutions, IEEE Madras section YP, IEEE TEMS and IETE presented a webinar on From Zero to Data Hero - Your Roadmap to Mastering Data Analytics by Mr. Muhammad Auwal Yahaya, Data Analyst, Dialogue College Kaduna, Nigeria on 16.03.24 from 6:00 to 7:00 PM (IST). He explained how to manipulate and analyze data effectively using industry-standard tools and techniques. He also delved into data cleaning, exploration, and visualization to extract valuable insights. He took the participants from knowing nothing to being really good at data stuff, giving us the skills to be a data hero. Around 30 participants attended. The Student Coordinators Narmadha K, Hari Priya K, Kamaleeshwari P, Santha Lakshmi S coordinated the event along with the Staff Coordinator Mr. M. Arun, AP/ECE.

“ELEVATEYP”

Madras - Singapore YP Connect 2024

Emerging Technologies and Opportunities for Aspiring Engineers

Career Opportunities in Madras and Singapore

Date: 2nd March 2024 (Saturday)
Time: 2:00 PM - 4:00 PM (Indian Time)
4:30 PM - 6:30 PM (Singapore Time)

Venue: Online, Google Meet
Registration Link: bit.ly/simmasypc

Organized by: IEEE Madras Young Professionals and IEEE Singapore Young Professionals

IEEE Madras Section Young Professional successfully conducted the event “ELEVATEYP – Innovating Young Professional Growth” on 31.03.24 through Webex. This event primarily focuses on the fostering transition of IEEE Student Branch in the IEEE Madras Section. This initiative was started to bridge the gap between the IEEE Student Members and IEEE Young Professionals by approaching various innovative ideas for events among Student Branches.

The event had a good reach among Madras Section and had total

Section Activities Report

of 18 Student Branch registrations. All the participants actively showed their interest in demonstrating ideas and had a chance to speak with other Sections Young Professionals. The esteemed jury panel of the event is Dr. Nageswara Rao Atyam, Vice Chair, IEEE YP Bengaluru Section, Mr. Shone Jose, Vice Chair, IEEE India Council and Mr. Aditya Kameswara Rao Nandula, Chair, IEEE YP AG Kharagpur Section. They provided valuable insights and enriched the session with great knowledge of Young Professionals.

The prominent outcome of the event is to imply the ideas across IEEE Madras Section and support the top ideas by providing funds for the respective SYP transition project. The recognized ideas of the Student Branches are Kings College of Engineering, KPR Institute of Engineering & Technology and St. Joseph's College of Engineering. All the participants presented with the fullest dedication and came up with excellent innovative ideas to improve the bond between the Student Branch and Young Professionals. At the valedictory ceremony, the juries shared the best practices in their section and announced the results of the event. The juries were felicitated with e-memento and the event ended up with a group picture.

IEEE Madras Section Women In Engineering

"Webinar Series: EmpowerHer: WIE Knowledge Exchange- Revolutionize Healthcare - The Power of AI in Medicine"

The initiative of IEEE WIE MAS AG, "EmpowerHer: WIE Knowledge Exchange," continued its impactful webinar series on 31st January, 2024, virtually gathering 25+ enthusiastic participants. To kick off this enlightening webinar series, IEEE WIE

MAS welcomed an esteemed speaker, Dr. R. Vedhapiyavadhana, Assistant Professor Senior Grade 2 at VIT Chennai, with a captivating topic: "Revolutionize Healthcare- The Power of AI in Medicine."

The session commenced with a welcome address by Dr. T. Sree Sharmila, Chair, IEEE WIE MAS AG and the speaker Dr. R. Vedhapiyavadhana, delving into the transformative potential of Artificial Intelligence (AI) in the field of medicine. Participants were enlightened about the role of AI in healthcare innovation, including its applications in medical diagnosis, treatment planning, patient care, and research advancements. Dr. R. Vedhapiyavadhana provided insights into the latest developments in AI-driven healthcare technologies, showcasing how AI algorithms are revolutionizing medical practices and enhancing patient outcomes. Attendees gained a comprehensive understanding of the ethical considerations, challenges, and future prospects of AI integration in healthcare.

The webinar concluded with an insightful Q&A session, where participants had the opportunity to engage with Dr. R. Vedhapiyavadhana, seeking clarification on AI applications in healthcare and exchanging valuable perspectives. The event culminated with a memorable group photo, symbolizing the collective learning and inspiration shared during the EmpowerHer: WIE Knowledge Exchange webinar series.

"Webinar Series: EmpowerHer: WIE Knowledge Exchange- Cyber Security in 360 Degree"

IEEE Women in Engineering Madras Section Affinity Group organised a webinar series "EmpowerHer: WIE Knowledge Exchange" on 18th February 2024, virtually gathering 36+ enthusiastic participants. The session commenced with a welcome address by Dr. T. Sree Sharmila, Chair, IEEE WIE MAS AG and the speaker Dr. R. Maheswari, Director and Professor, Symbiosis Skills and Professional University, with a captivating topic: "Cyber Security in 360 degree".

In the cybersecurity session, the speaker Dr. Maheswari R, covered a lot of important topics like what cybersecurity is, the different kinds of online threats, how companies keep their systems safe, and what to do if something goes wrong. The speaker also discussed how to manage risks, what tools are used for security, and how to make sure only the right people can access certain information. The audience really enjoyed learning

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IEEE MADRAS SECTION YP, IEEE TEMS & IETE CHENNAI CENTRE
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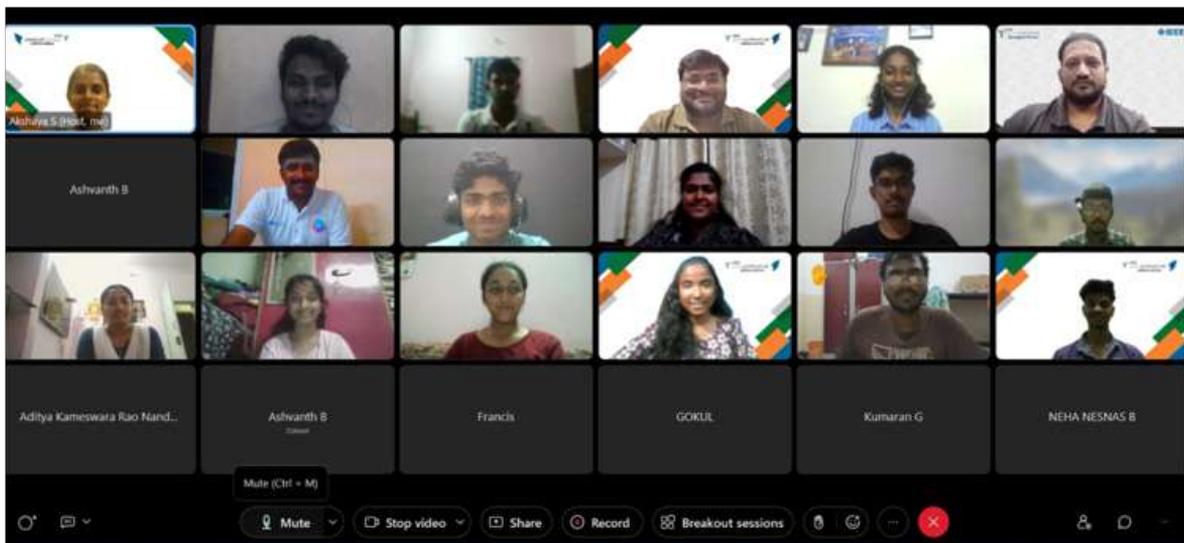
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Mr. Thilakesh Raj
Masters in Information Technology,
University of Technology, Sydney

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Section Activities Report



about these topics and found the discussion interesting. They felt more prepared to deal with cybersecurity issues after the session. The speaker wrapped up the session by organizing a fun activity: a crossword puzzle filled with clues about cybersecurity.

Everyone got involved, sharing ideas and working together to solve the puzzle.

“Webinar on Breaking Barriers: Empowering Women in Leadership”



Panimalar Group of Institutions in association with IEEE Women in Engineering Madras Section, IETE and IEEE WIE SB AG presented a webinar under the track Femmianza on the topic



Section Activities Report

Breaking barriers: Empowering Women in Leadership by Dr. Sree Sharmila. T, Chairman of IEEE WIE Madras Section on the occasion of Women's day celebration 2024 on 08.03.24 from 7.30 to 8.30 PM (IST). In this session, the participants came to know about the importance of empowerment of women in leadership. Speaker shared on Benefits of joining IEEE WIE. She elaborated the role of Women in empowering the world. The webinar highlighted how mentorship programs help women advance in leadership roles, encouraging their professional growth. Around 40 participants attended the session. The Student Coordinators are P. Subha Harini, M. Shandhini, M. Shahana and Hari Priya K coordinated the event along with Staff Coordinator Mr. Arun. M, AP/ ECE.

"Mangai 3.0"

IEEE Women in Engineering Madras Section Affinity Group in collaboration with IEEE Jeppiaar Engineering College WIE SB AG celebrated International Women's Day on 08.03.24. The event took place at Jeppiaar Engineering College, offering an enriching and empowering experience to all attendees. Dr. Sree Sharmila. T, Chairman of IEEE WIE Madras Section inaugurated the event along with the IEEE WIE Excom Members. The event featured engaging talks by eminent speakers, providing valuable insights and inspiration. Participants also had ample networking opportunities to connect with fellow professionals and enthusiasts. Inspiring discussions on the role of women in engineering were held, fostering a supportive and inclusive community. As a part of the Best WIE SB AG was also awarded to Panimalar Institute of Technology, St. Josephs College of Engineering & Sri Sairam Engineering College.



"Webinar on From Ambition to Action: Cultivating Female Leadership"

Panimalar Group of Institutions in association with IEEE Women in Engineering Madras Section, IEEE Madras Young professionals organized a webinar under the track Femmianza on the topic





From Ambition To Action: Cultivating Female Leadership on the occasion of Women's day celebration 2024 by Dr. Vijayalaxmi Birader, Chair IEEE WIE AG Madhya Pradesh Section, Program Chair IEEE WIE ILS Raipur which was held on 09.03.24 from 6- 7. PM(IST). In this webinar, the participants came to know on how to cultivate a female leadership which involves creating an inclusive environment that supports and empowers women to thrive leadership roles. Speaker shared her life history with participants, it motivated participants. Some strategies were given and by implementing those, the organizations can harness the full potential of women's talent. Around 40 participants attended the webinar. The Student Coordinators P. Subha Harini, M. Shandhini , M. Shahana and Narmadha K coordinated the event along with Staff Coordinator Mr. Arun. M, AP/ ECE.



“Webinar on Fierce and Fearless: Women Making Waves”

Panimalar Group of Institutions in association with IEEE Women in Engineering Madras Section, IEEE Madras Young professionals and IETE organized a webinar under the track Femmianza on the topic Fierce And Fearless: Women Making Waves In Stem Fields on the occasion of Women's day celebration 2024 by Dr. Brindha Saminathan, IEEE SB Counselor, Chair of Students Activities Committee, Chair of IEEE VTS Madras Section Chapter and Vice Chair of IEEE SPS Madras Section Chapter which was held on 18.03.24 from 6:00 to 7:00 PM(IST). Through this webinar, the participants came to know on how the STEM fields are crucial for the betterment of women in innovation, technological advancements and problem solving. Also it highlighted how women's contribution are vital for shaping the future technology. Around 40 participants attended the webinar..



Section Activities Report

The Student Coordinators P. Subha Harini, M. Shandhini, M. Shahana and Kamaleeshwari P coordinated the event along with Staff Coordinator Mr. Arun. M, AP/ ECE.

“WOMANSERA”

On behalf of International Women’s Day, IEEE Women in Engineering Affinity Group Madras Section in association with IEEE Women in Engineering Affinity Group of IEEE St. Joseph’s College of Engineering conducted WOMANSERA on 11-03-2024. The chief guest for the event was Mrs. Shiny Wilson, an Indian athlete, Padma Shri, and Arjuna Awardee, General manager at Food Corporation of India, Chennai.



The Keynote Speaker 1 was Ms. J. Divya, Head of the Department of Social Work, Psychotherapist, and Trainer at Patrician College of Arts and Science, Chennai. Keynote Speaker 2 was Ms. Deepa Vijayaraghavan, Director at PayPal and a women entrepreneur 3q- “Shevolve”. The topic discussed by Keynote Speaker 1 was “Unveiling the Power Within: Exploring Women’s Emotional Intelligence,” and Keynote Speaker 2 discussed “How to Build Personal Branding at Early Career?” The speakers were felicitated with mementos and shawls. Staff and students from the pre-final year, second year, and first year of St. Joseph’s College of Engineering participated. The event also included a networking session, and the winners were certified with certificates and prizes. Approximately 200 students took part in this event.

“Webinar on Shaping Tomorrow: Women Engineers Driving Innovation and Inclusion”

IEEE Women in Engineering Madras Section Affinity Group Organized “Trailblazers: Webinar Series 2024,” where they celebrated International Women’s Day 2024 with an enlightening session titled “Shaping Tomorrow: Women Engineers Driving Innovation and Inclusion” on 11.03.24, from 7:00 PM to 8:00 PM (IST) by Ms. Celia Shahnaz, Professor at the Electrical and Electronic Engineering department of Bangladesh University of Engineering and Technology, who serves as the Chair of the 2023-2024 IEEE Women in Engineering Committee and the Chair of the 2024 IEEE Computer Society Awards Committee, brought a wealth of expertise and experience to the discussion. Her presentation offered insights into the pivotal role women engineers play in advancing innovation and fostering inclusivity within the field.





“Webinar on Strategies for Women in Engineering Leadership”

IEEE Women in Engineering Madras Section Affinity Group Organized a webinar on Strategies for Women in Engineering Leadership by Ms. Gresha Samarakkody Chair, IEEE WIE Sri Lanka Section Senior Lecturer & Head of the Department - Department of Electrical & Electronics Engineering, CINEC Campus, Sri Lanka an enlightening session was organized on 13.03.24. The webinar undoubtedly served as a pivotal platform for knowledge exchange and inspiration, fostering inclusivity and advancement within the engineering community. During this engaging event, participants had the opportunity to delve into strategies and insights for women in leadership roles within the engineering field. Ms. Samarakkody shared her expertise, emphasizing the importance of empowering women and fostering their growth in technology and engineering domains.

“Webinar on 2024 Technology Trends”

IEEE Women in Engineering Madras Section Affinity Group Organized a webinar on 2024 Technology Trends by Ms. Jyotika Athavale, President, IEEE Computer Society, Director of Engineering Architecture, Synopsys, USA session was organized on 14.03.24. The webinar served as an invaluable platform for professionals and enthusiasts alike to gain a deeper understanding of the evolving tech landscape and its implications



across various industries. Drawing upon her extensive experience and expertise in the field, Ms. Athavale provided valuable insights into the latest advancements, innovations, and challenges within the realm of technology.

IEEE Madras Section SIGHT:

“Harnessing Technology for Community Empowerment”



Harnessing Technology for Community Empowerment was an exceptional event organized by the IEEE Madras SIGHT Affinity Group, The event took place on 16.01.24 from 7:00 PM to 8:00 PM. This enlightening gathering took place on the Google Meet platform in the online mode, connecting participants from various locations.

Section Activities Report

The event was significantly enriched by the presence of distinguished speakers, each bringing their unique expertise and insights. Dr. Vydeki V, a distinguished Professor from VIT Chennai, played a valuable role as a member of the IEEE SIGHT Project Subcommittee. Mr. Arun M, Chair of IEEE MAS SIGHT AG and Assistant Professor at Panimalar Engineering College, provided his notable perspective. Mr. Ashvanth B, an ExCom Member of IEEE MAS and Vice Chair of IEEE Madras YP, shared his insights. Mr. Niranjan Kumar S, the LEAD of IEEE MAS SIGHT AG, contributed to the event's depth with his expertise.

Discussions emphasized the role of technology as a tool for amplifying voices, fostering inclusion, and addressing socio-economic disparities. Panelists highlighted examples ranging from digital platforms facilitating access to essential services to community-driven initiatives leveraging technology for advocacy and social change. The discourse underscored the importance of ensuring equitable access to technology and promoting digital literacy to maximize its benefits for marginalized communities. Moreover, the panel emphasized the need for ethical considerations and responsible innovation to mitigate potential risks and ensure that technology serves as a catalyst for positive societal transformation. Through collaborative efforts between technology developers, policymakers, and grassroots organizations, the panel concluded that harnessing technology effectively can empower communities to address their own needs and drive sustainable development.

Participants emphasized the importance of bridging the digital divide to ensure that all communities, regardless of location or socioeconomic status, can benefit from technological advancements. The discussion highlighted various facets, including digital inclusion, access to information, and the role of innovative solutions in addressing societal challenges and The event served as a catalyst for fostering collaboration between academia, industry, and policymakers, encouraging a shared commitment to harnessing technology for the benefit of all

As we move forward, it is imperative to continue this further, promote responsible innovation, and advocate for policies that prioritize the empowerment of communities through technology. The insights gained from this event will undoubtedly contribute to shaping a future where technology becomes a powerful tool for inclusivity, bridging gaps, and enabling communities to thrive in the face of evolving challenges and thus by highlighting all the specifications the event was concluded and feedback form

was shared and the feedback from the audience and participants were benefited by this session.

“Launch the Help Desk for the IEEE MADRAS SECTION SIGHT AG for TECH4GOOD! (AN IEEE HTB SIGHT INITIATIVE)”

IEEE MAS SIGHT launched the Help Desk for the IEEE MADRAS SECTION SIGHT AG for TECH4GOOD! (AN IEEE HTB SIGHT INITIATIVE). This initiative aimed to provide valuable assistance and support to individuals and teams seeking funding opportunities for grassroots technological projects addressing local challenges related to sustainable development. Whether participants had groundbreaking ideas or needed guidance to bring their projects to fruition, our Help Desk was there to assist every step of the way. From providing resources and advice to connecting participants with relevant networks and opportunities, they were committed to empowering them to make a meaningful impact in their communities.



Section Activities Report

“IEEE SJCE SIGHT AG Inauguration”

IEEE SJCE SIGHT AG was Inaugurated by Mr. M.Arun, Chairman IEEE MAS SIGHT AG on 07.03.2024. During the session speaker shared on the benefits of IEEE , Funding opportunities available in IEEE HTB, IEEE EPICS, Etc., Speaker motivated participants to do community related projects.



“IEEE SIGHT -INNOVATE ”

IEEE SIGHT MAS, IEEE SIGHT SJCE SB - AG, in conjunction with the IEEE St. Joseph’s College of Engineering student chapter, orchestrated an eminent online colloquium christened “SIGHT - INNOVATE Sight Innovate - Benefits of SIGHT” on 17.03.24 under the auspices of Niranjn Kumar Sethu Venkataraman, in collaboration with the IEEE Madras Section. This impactful session delved into the multifaceted advantages of vision, emphasizing its significance across various domains. From technological advancements to psychological well-being, the discussion underscored the pivotal role of sight in enhancing human experience. Drawing insights from diverse perspectives, this report encapsulates the key highlights and takeaways from the session, as presented at the IEEE conference. This session showcased groundbreaking developments in vision-related technologies. A significant portion of the session was dedicated to discussing the role of sight in promoting accessibility and inclusion. Ethical considerations surrounding sight-related technologies and interventions were a focal point of the session. Speakers deliberated on issues such as privacy concerns, algorithmic bias, and equitable access to vision-enhancing innovations. Moreover, the session addressed broader societal implications, including the potential socio-economic disparities

arising from unequal access to sight-related resources and services. The session provided a comprehensive overview of the myriad advantages associated with vision. From technological breakthroughs to social and psychological well-being, sight plays a pivotal role in enriching human experiences and fostering inclusivity. Moving forward, continued research, innovation, and ethical deliberation are crucial to harnessing the full potential of sight for the betterment of society.

IEEE ADSF SIGHT

“Interaction Program”

IEEE ADSF SIGHT is organised a weekly interaction program every Saturday from 06.00 pm to 07.00 pm. Schedule of the program is given below:

Er. Sivaraman, Project Director-IEEE ADSF SIGHT and Team will be handled the sessions.

Interaction program schedule

Date	Topics
10 February 2024	Evolution of Solar Energy in India
17 February 2024	Techniques for Harnessing Solar Energy
24 February 2024	Rooftop Solar PV systems for buildings
02 March 2024	Utility-scale solar PV systems
09 March 2024	Opportunities for Renewable energy interventions in fisheries
16 March 2024	What are the applications for Solar energy in Agriculture
23 March 2024	Solar Energy’s Business Model
30 March 2024	Conference

Section Activities Report

Overview of Solar Energy Technologies

The first session provided an overview of solar energy technologies, covering topics such as photovoltaic (PV) systems, solar thermal systems, and concentrated solar power (CSP). Participants gained insights into the advantages and limitations of each technology, as well as emerging trends in the solar energy industry.

Technical Considerations in Solar Energy Integration

The second session delved into technical considerations involved in integrating solar energy into existing power systems. Discussions revolved around grid integration challenges, power quality issues, and solutions for mitigating intermittency in solar power generation. Participants engaged in interactive exercises to analyze real-world case studies and propose solutions.

Practical Applications of Solar Energy

In the third session, participants explored practical applications of solar energy across various sectors, including residential, commercial, and industrial. Case studies highlighted successful solar energy projects and innovative solutions for optimizing energy efficiency and reducing carbon emissions. Attendees were encouraged to share their experiences and insights, fostering a collaborative learning environment.

Policy and Regulatory Frameworks

The fourth session focused on the policy and regulatory frameworks governing solar energy deployment. Discussions covered topics such as feed-in tariffs, net metering policies, and incentives for renewable energy adoption. Participants gained an understanding of the regulatory landscape and its implications for solar energy stakeholders.

Session 1 Recorded Link: <https://youtu.be/0zvCcOqhGnU?si=bTe4BzRHPNVX0Wvc>

Session 2 Recorded Link: https://youtu.be/lu7Cjt9dTTQ?si=Rh_VwoNPHJHo19u

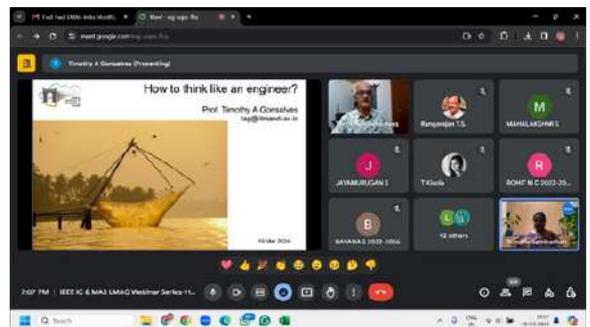
Session 3 Recorded Link: <https://www.youtube.com/watch?v=C1aYN-QacNs>

IEEE Life Members AG Madras

"Life Members AG India Council Monthly Webinar Series"

IEEE Madras Section, IEEE Madras Section Life Members, IEEE Madras Section Professional Activities Committee and IEEE Students Activities Committee of Madras Section presents a Webinar on How To think Like an Engineer?, by Dr. Timothy A. Gonsalves, IIT Mandi & IIT Madras Research Park on 19th March 2024, 7:00 PM to 8:00 PM (Tuesday). During the session speaker address on What does it take to turn a young student into a good engineer? Besides learning technical knowledge and skills, good engineers have a way of thinking, they have an engineering mindset. What are the ingredients of this engineering mindset? How does engineering thinking differ from critical thinking, design thinking, scientific thinking? Most importantly, how can an aspiring student learn to think like an engineer? In this talk, we address these questions with examples.

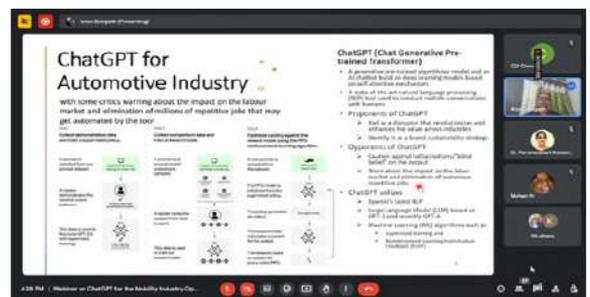
IEEE Madras Computer Society Chapter



"IEEE CS Webinars"

IEEE CS madras Chapter organized the following webinars

IEEE CS Madras, CSI Chennai & ACM Chennai organized a webinar on "ChatGPT for the Mobility Industry -- Opportunities & Challenges" by Dr. Arunkumar M. Sampath, Principal Consultant and Industry Advisor, Tata Consultancy Services, Chennai on 10.01.24 at 6 PM to 7.15 PM IST.



Section Activities Report

IEEE CS Madras, CSI Chennai & ACM Chennai organized a Panel Discussion on “Skilling & Business Opportunities in Connected, Autonomous, Shared & Electric (CASE) Vehicles” by Mr. Chandran Krishnan and the authors Dr. Shankar Venugopal & Mr. S. Ramachandran on 31.01.24 at 6 PM – 7.15 PM IST.



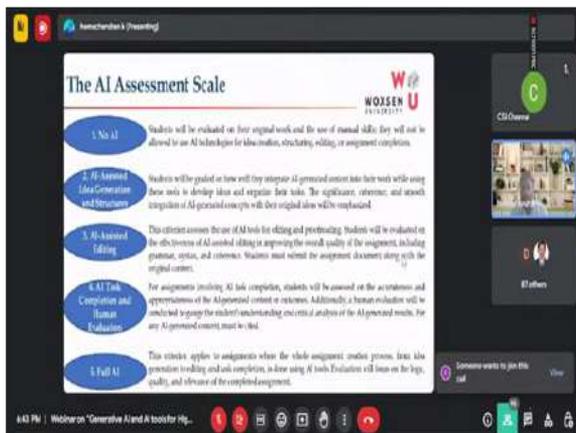
IEEE CS Madras, CSI Chennai & ACM Chennai organized a 10th Prof. T. R. Natesan Endowment Lecture on the topic Electric Power Optimizer: Using MS Excel for optimizing electrical power needs for manufacturing organizations by Dr. A. R. Aravind, DGM, Project Planning, Ashok Leyland & Mr. N. Nagamanikkam, Manager, Project Planning, Ashok Leyland on 16.02.24 at 5 PM IST at Seminar Hall, Central Library, College of Engineering, Anna University, Chennai 25



IEEE CS Madras, CSI Chennai & ACM Chennai organized a webinar on “Use Cases in AI Integrated AR & VR” by Mr. S.K. Prahald, Founder & CEO, Zyena LABS - India & Finland on 24.02.14 at 6 PM TO 7.15 PM IST.



IEEE CS Madras, CSI Chennai & ACM Chennai organized a webinar on “Generative AI and AI tools for Higher Education” by Dr. Hemachandran Kannan, Director AI Research Centre, Woxsen University, Hyderabad, India on 23.03.24 at 6 PM TO 7.15 PM IST.



“IEEE CS DAY @ INFOSYS CAMPUS”

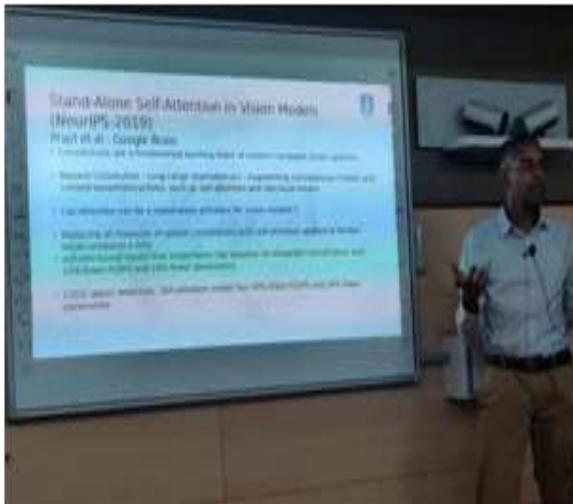
The event was organised as an in-person event. At the inaugural session, Mr Mutheeshwaran of Infosys TechCohere Team welcomed the gathering. Mr HR Mohan, IEEE Ambassador & Chair - Events, IEEE CS Madras provided an outline of the overall activities of IEEE CS Madras and highlighted about this

Section Activities Report



IEEE CS Day series and thanked Infosys hosting the 1st event. Mr PN Anil Kumar, DC Head, Infosys, in his address explained the need for such events and expressed interest in extending support in organising future events. The event had four technical presentations as under:

Big Picture of LLMs and Industry Use Cases by Mr R Venugopal, Principal Technology Architect, Infosys, GenAI and AIoT: Accelerating Digital Transformation by Mr Vinod Venkateswaran, Senior Industry Principal, Infosys, AI Powered Cybersecurity by Mr Anand Gopal, AVP, Senior Industry Principal, Infosys, Emerging Security and Privacy Threats in AI by Dr TR Reshmi, Scientist, Society for Electronic Transactions and Security.



In an exclusive IEEE & IEEE CS Awareness Session, Mr HR Mohan provided an overview of IEEE, its societies, benefits to members and encouraged the participants to become members and be well informed about the trends in technology to be competitive. The Mini ICT Quiz (with cash prizes) conducted by

Mr HR Mohan, immediately after the launch had an active and enthusiastic participation.

At the valedictory session, Dr S Koteeswaran, Treasurer, IEEE CS, after a brief summary of proceedings, thanked Infosys for their support. Few academic participants desired more such events to be organised for getting updated and prepare their students to be industry ready.

“Medical Image Segmentation Using Deep Learning Approaches”

IEEE Computer Society (IEEE CS), Madras Chapter as a part of its continuing activities to empower the students of CSE & IT discipline, organised a guest lecture and an IEEE & IEEE CS outreach and awareness program at VIT Vellore campus on Saturday, 16th March 2024.

In the 1st half of the event, Dr Kumar Rajamani, Associate Director, Cropin Technologies, Bangalore delivered a technical talk on “Medical Image Segmentation using Deep Learning approaches”. He also highlighted on the research & internships



opportunities available and suggested the students to make use of the abundant data sets already exists in open source and start developing & furthering their research ideas. In the 2nd half, Mr Mohan HR, IEEE Ambassador, Chair - Events and Imm Past Chair, IEEE CS Madras briefed about the role of IEEE & IEEE CS in research and innovation, explained the benefits of the

membership in various societies under IEEE and highlighted how the specific societies and new direction initiatives directly impact the learning and career opportunities of CSE & IT students and motivated them to become the members. At the end, to engage the participants, an ICT Quiz with cash prizes was also conducted.

IEEE Power Electronics Society, Madras Chapter

“Design and Fabrication of Electric Vehicle”

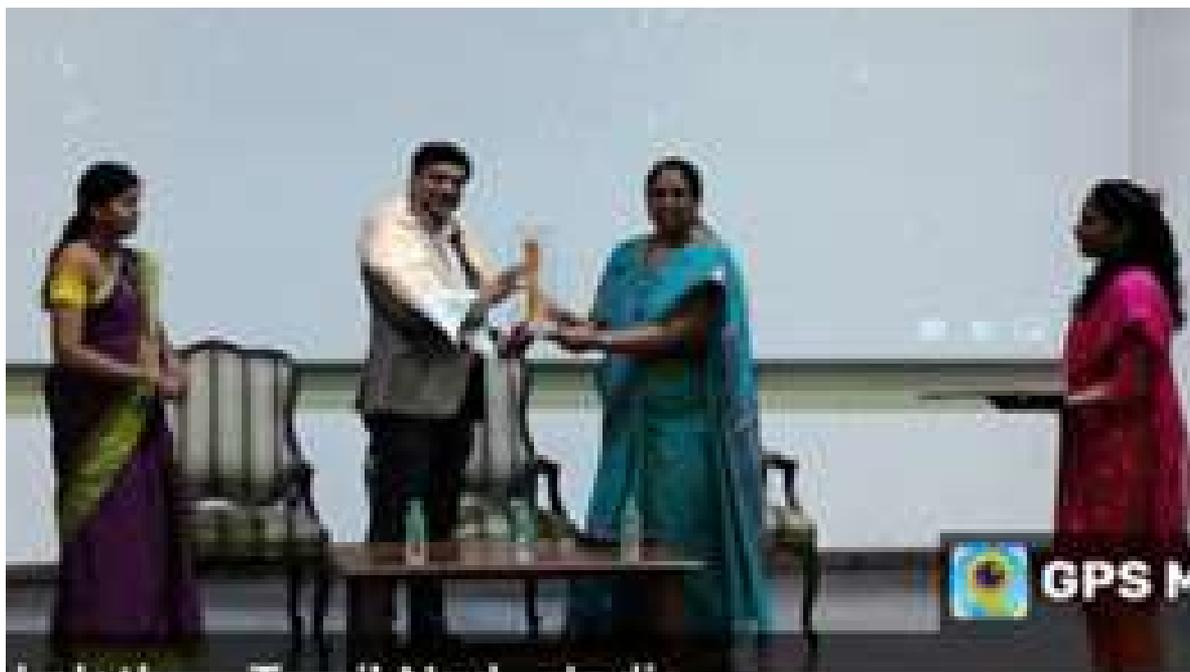
IEEE Power Electronics Society, Madras Chapter in association with IEEE Power Electronics Society of St Joseph’s College of Engineering Student Branch Chapter organized a technical workshop on 9 March 2023 on the topic, Design And Fabrication of Electric Vehicle”. The resource person of the workshop session were Dr.A.Bharathi Sankar, Assistant Professor Senior Grade 2, School Of Electronics Engineering, VIT University Chennai Campus and Dr.R.Seyezhai, Professor, Department Of Electrical and Electronics Engineering, SSN College of Engineering, Chennai. The resource person gave a brief explanation about electric vehicles and the need and importance of electric vehicles to start off the session. The session was extremely beneficial to the budding engineers who are interested to learn regarding

electric vehicles. The resource person covered the concepts in fundamentals, aerodynamics of EV, its benefits, working of Electric vehicles etc... The participants were interactive throughout the session.

IEEE Vehicular Technology Society Madras Chapter

“Distinguished Lecture Program on Deep Learning for Massive MIMO Hybrid Beamforming”

IEEE SB Sri Sai Ram Engineering College in association with IEEE Vehicular Technology Society Madras Chapter, IEEE SEC IES(SBC60981V) organized a Distinguished Lecture Program on Deep Learning for Massive MIMO Hybrid Beamforming on 7th March 2024 at VRR Hall, Sri Sai Ram Engineering College, Chennai. The event commenced with warm welcome by Dr S.Brindha SEC IEEE SEC SB Counselor, IEEE VTS MAS Chairman. After that speaker Dr Kumar Vijay Mishra took the session in a very interesting manner and the students got to know about applying DL to various aspects of hybrid beamforming including channel estimation, antenna selection, wideband beamforming, and spatial modulation. The students got a clear idea about the topic.





Dr. Surekha Dashmukh
Section Chair

Pune Section

Index of Activities

Sr. No.	Activity	Date
1	IEEE awareness session at Fergusson College	06 th January 2024
2	DevOps Workshop	11 January 2024 to 16 January 2024
3	MATLAB for Electrical Engineering Students	15 th January 2024 to 19 th January 2024
4	IoT Workshop at Shirwal for School Students	23 January 2024 and 24 January 2024
5	IEEE PUNE SECTION Annual General Meet 2023	24 th January 2024
6	Blockchain Symposium-2024	02 nd February 2024
7	CodeZest	03 February 2024
8	Launching of Energy and Environment Engineering Laboratory	10 February 2024
9	Mastering Project Design Essentials" Session	12 February 2024
10	Visit to College of Engineering Pune Technology University, Pune to form a student Chapter of Communication Society	12 February 2024
11	Observing Non-Iron day	12 February 2024
12	Computational Thinking Workshop	14 February 2024 to 21 February 2024
13	M-PULSE Xtronica 2k24 - Robonexus	22 February 2024
14	IOT Hackathon	21 February 2024 to 22 nd February 2024
15	ElectroQuest Competition	23 February 2024 and 24 February 2024
16	The Aphonic	23 February 2024 and 24 February 2024
17	IEEE PES Outstanding Engineer Award	28 February 2024
18	Flagship event D. M. Tagare Memorial Lecture	28 February 2024
19	NS2 Session	02 March 2024

Section Activities Report

20	6th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2024)	05 March 2024 to 07 March 2024
21	Membership Drive	07 March 2024
22	Women's Health and Fitness Workshop	12 March 2024
23	Poster Making Competition for International Women's Day	12 March 2024
24	GSoC Session	13 March 2024
25	Faculty Development Program on Industry 5.0 for Society 5.0 in association with Department of Electronics and Telecommunication, Vishwakarma Institute of Information Technology, Pune	18 March 2024 to 22 March 2024
26	Git and GitHub Workshop	24 March 2024
27	Prayag	26 March 2024

1. IEEE awareness session at Fergusson College: Unlock the potential of knowledge with Proud. Mandar Khurjekar at the IEEE awareness session at Fergusson College, delving into endless possibilities and meaningful benefits. Joining IEEE, guided by Mr. Abhijit Khurape, marks a leap into excellence and a chance to leave a lasting impact. Dr. Preeti Prasad Ramdasi inspires societal contribution, aligning professional

growth with global impact. Shivani Bhalsakle explores professional benefits and vibrant section activities, offering tailored growth opportunities through the Students Activities Committee. Join this journey of empowerment, where each step leads to discovery and meaningful contribution to our community and beyond.



2. DevOps Workshop-2024: IEEE SB VIT Pune organized the DevOps Workshop from 11th to 16th January 2024, starting at 1700 hours, held at Classrooms 1222/24, VIT Pune. The workshop aimed to provide insights into DevOps methodologies for all college students. Industry experts conducted sessions on continuous integration, continuous delivery, and

Section Activities Report

infrastructure as code, offering practical insights. Attendees, totaling 200, actively engaged in practical exercises and discussions, gaining hands-on experience with popular DevOps tools.



3. **MATLAB for Electrical Engineering Students:** IEEE RSCOE Student Branch organized a workshop on MATLAB for electrical engineering students from January 15th to 19th, 2024. The event aimed to provide students with a comprehensive understanding of MATLAB's applications in the field. The workshop began with a welcome ceremony featuring speeches from the Head of Department and distinguished industry professionals, highlighting MATLAB's significance in shaping future engineers. Participants were introduced to MATLAB's scope, including data analysis, simulation, and modeling. They gained practical experience in matrices operations, data visualization, and Simulink for electrical system modeling. The workshop fostered active engagement, with attendees contributing to discussions and providing valuable feedback.



4. **IoT Workshop at Shirwal for School Students:** the "IoT Workshop at Shirwal" was conducted on January 23rd & 24th, 2024. Organized by IEEE VIIT Student Branch & MES English Medium School, Shirwal, this workshop aimed to equip participants with a thorough understanding of IoT, exploring its applications and significance in various industries. Distinguished leaders in IoT development facilitated sessions covering essential topics such as applications, sensors, embedded systems, networking, and circuits. Through interactive modules, attendees gained insights into the practical implications of IoT technology and its role in driving innovation.



5. **IEEE Pune Section Annual General Meet (AGM)-2023:** An incredible eve which showcased the dedication and hard work of our office bearers and volunteers throughout the year. Our office bearers enumerated the various initiatives undertaken by the section, highlighting the impactful projects and programs that have made a difference in our community and shared their plan for the coming year. The ceremony also comprised of distribution of awards to recognize the outstanding contributions of our volunteers on

Section Activities Report

different fronts, acknowledging their commitment and passion for advancing the mission of IEEE Pune Section.



6. Blockchain Symposium-2024 On February 2nd, a Blockchain Forum, in collaboration with PCCOE and IEEE Pune Section, aimed to educate on blockchain concepts, engage with industry experts, and share experiences. Eminent speakers like Dr. Ramesh Ramdas, Dr. Surekha Deshmukh, Dr. Rajesh Ingle, Dr. Padmaja Patwardhan Joshi, and Dr. B. K. Murthy

shared insights. Visitors interacted with industry experts Mr. Kamlesh Nagware and Mr. Shrikant Kulkarni. Dr. Sonali Patil, Head of IT Department at PCCOE, and IEEE Pune Section's Blockchain Group Chairperson initiated the event, under the guidance of Dr. Govind Kulkarni, PCCOE's Director. This forum facilitated knowledge exchange and networking in the blockchain domain.



Section Activities Report

7. CodeZest: IEEE SB VIT Pune organized CodeZest on February 3, 2024, starting at 10:30 A.M., held at the Auditorium, VIT Pune with 200 attendees. Collaborating with Aniruddha Shende and Prajwal Singh, the event aimed to provide insights into competitive programming for all college students. CodeZest, facilitated by distinguished speakers, delved into the significance of competitive programming in the tech industry, sharing experiences and strategies for success in coding competitions. The event culminated in a coding contest, featuring divisions for both junior and senior participants, hosted on HackerRank with six challenging questions. Winners were determined based on rankings on the leaderboard.



8. Launching of Energy and Environment Engineering Laboratory: An Energy and Environment Laboratory is launched at JSPM's JSCOE on Saturday, 10th February 2024 in association of PES-IAS Chapter of IEEE Pune Section. The objective of this is to initiate multiple activities in the domain of Energy and Environment, Energy management, Energy efficiency, e Vehicles, Climate safety and security etc. through different collaborations. Laboratory is inaugurated at JSCOE at the auspicious hands of Dr. Surekha Deshmukh, Chair, IEEE Pune Section and Dr. Geetanjali Vaidya, Chair PES-IAS Chapter, IEEE Pune Section, Dr. Mandar Bhawalkar, Treasurer, IEEE Pune Section and Dr. Kanphade, Principal JSCOE. Dr. Surekha Deshmukh expressed her concern about the necessity to perform work in the domain of Energy and the environment. Dr. Geetanjali Vaidya elaborated the activities conducted by PES-IAS chapter related

to the theme 'Powering a Climate Safer Future'. Various activities conducted by the institution are demonstrated to PES-IAS Chapter team.



9. Mastering Project Design Essentials” Session: On February 12th, the IEEE RSCOE Student Branch organized a session on “Mastering Project Design Essentials” The event focused on project selection methodologies and IEEE standards, essential for aspiring engineers. Dr. Gaurav shared expertise on project selection strategies and the importance of IEEE standards, providing attendees with a roadmap for project development. Attendees were guided



Section Activities Report

on accessing Explore and efficient literature search strategies, including using keywords and researcher names. A quiz session conducted by Dr. Gaurav enhanced engagement, with top performers awarded.

10. Visit to College of Engineering Pune Technology University, Pune to form a student Chapter of Communication Society:

IEEE Communication Society Pune section office bearers has visited Electronics and Telecommunication Department of COEP Technology University, Pune to form a student Chapter of Communication Society on 12th February, 2024. The discussions were held to form a student Chapter of Communication Society and if possible, of Power Electronics Society Chapter. Further, doubts and queries regarding requirements of IEEE in formation of such Chapter were explained by Prof. Mandar Khurjekar and Chapter chair Dr. Makarand Jadhav.



11. Observing Non-Iron day: This is the initiative taken under one of the activities under the Energy and



Environment Engineering Laboratory launched at JSPM's JSCOE in association with PES-IAS Chapter of IEEE Pune Section. Practice of observing a weekly non-iron day began on 12th February 2024. It was observed by students and faculty of JSPM's JSCOE.

12. Computational Thinking Workshop: IEEE SB VIT Pune organized the Computational Thinking Workshop from February 14th to 21st, 2024, starting at 5:00 PM., held at Classroom 1222/24, VIT Pune. The workshop aimed to enhance problem-solving and logic development skills among FY students. Through interactive sessions and hands-on projects, participants, totaling 200, learned fundamental programming concepts and computational thinking techniques. Attendees actively engaged in hands-on projects, collaborating with peers to solve problems and seeking clarification to deepen their understanding. Key takeaways included enhanced problem-solving and logic development skills, along with the application of computational thinking techniques to real-world scenarios. Participants left the workshop with increased confidence in their ability to tackle complex problems.



Section Activities Report

13. M-PULSE Xtronica 2k24 – Robonex: IEEE student branch of PES MCOE Pune, in collaboration with the Robotics Club of PES organized MCOEM-PULSE Xtronica 2k24 - Robonex on 22nd February 2024. total of 120 students attended the workshop, where they were given an overview of the club's activities and achievements. Participants engaged in a hands-on workshop on robot assembly and basic coding, followed by a competition where teams designed and constructed Arduino-based cars to track a square and return to their starting position



14. IOT Hackathon -2024:IOT Hackathon, a coding competition, was conducted on 21st and 22nd February 2024 by the IEEE student branch of PES MCOE. The event aimed to provide teams with basic knowledge of microcontrollers, their interfacing, and IoT concepts through hands-on training. It took place at Room 401, Department of ENTIC, PES MCOE, targeting students from various branches.



15. ElectroQuest competition-2024:The ElectroQuest competition was conducted on 23rd and 24th February 2024 by the IEEE student branch of PES MCOE. The event aimed to provide students with hands-

on experience with circuits, enhance their technical skills, and foster teamwork. Targeting students from various branches and staff of PES MCOE, it took place at Room 315, Department of ENTIC, PES MCOE.



16. The Aphonic-2024:the Aphonic competition was conducted on 23rd and 24th February 2024 by the IEEE student branch of PES MCOE. The event aimed to enhance communication skills among students by decoding technical terms while wearing headphones with loud music, adding an element of fun to learning engineering concepts. It took place at Room 406, Department of ENTIC, PES MCOE, targeting students and staff from various branches. The event was a success, showcasing improved communication skills and teamwork among participants. It provided a hands-on experience of team dynamics while engaging in a fun learning activity. Participants demonstrated enthusiasm and collaboration throughout the competition, fostering a vibrant atmosphere of learning and camaraderie.



17. IEEE PES Outstanding Engineer Award: The IEEE PES outstanding engineer award plaque is presented to Dr. Anjali Dharme on Wednesday, 28th February 2024. This is awarded for her valuable contribution in the

field of electrical power systems and demand side management. She is volunteering IEEE activities since last several years. Heartiest congratulations madam on behalf of PES-IAS Chapter! IEEE members, faculty, industry delegates and students were present.



18. NS2 Session: IEEE VIIT Student Branch organized an insightful NS2 session in collaboration with the ENTC Department on March 2nd, 2024. This offline session aimed to introduce ENTC TY Students to the NS2 software, focusing on its installation and exploration on the Linux operating system. The event commenced with a warm welcome from Srushti, Documentation Head of IEEE VIIT, followed by an insightful overview of NS2 by Prof. Devanand Meshram. Prof. Meshram covered the installation process and operational mechanisms of NS2, conducting a demonstrative session for attendees. Noteworthy faculty members present included Mrs. Dipti Pandit, Mrs. Kalpana Kumbhar, and Mr. Vishal Ambhore. Participants actively engaged in practical exercises using NS2,



gaining valuable skills and insights into network simulation and analysis. The session concluded with expressions of gratitude to Prof. Meshram and formal closure by Mr. Vishal Ambhore.

19. Flagship event D. M. Tagare Memorial Lecture: Flagship event of PES IAS Chapter third Late Shri D M Tagre memorial lecture was organised on Wednesday, 28th February 2024. In 2022, PES-IAS Chapter initiated this Flagship Event - in the memory of Late Shri, D.M. Tagare visionary person, honored as a Father of Capacitor industries in India. He was instrumental for launching various IEEE activities in Pune Section. He pioneered PES-IAS Chapter in Pune which was under Pune Subsection or Bombay section earlier and then included under IEEE Pune Section. On this occasion, expert speaker, Shri Narendra Duvedi, Executive Director, SAS Powertech Pvt. Ltd.



Section Activities Report

shared his expertise on 'Importance of power system analysis for electrical safety'. He elaborated How a conventional Power system analysis can help at various stages of design / execution and operation and addressing electrical safety, about Arc Flash Hazard national and international standards, regulations related to electrical safety. He also elaborated Career opportunities in power system engineering.

20. 6th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2024): 6th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2024) was conducted in Hybrid Mode from March 05-07, 2024 at AISSMS Institute of Information Technology, Pune under the leadership of Dr. Pradeep Mane and his team in association with IEEE Communication Society Pune section. Total paper submission count was 1457 and 326 paper were accepted after proper evaluation. Out of which 196 authors registered and presented their research work. The invited Keynote Speaker for the conference were Dr. Aziz Nanthaamornphong, Associate Professor & Dean, College of Computing, Thailand, Ekkarat Boonchieng,

Ph.D (IEEE Senior member) & Director, Center of Excellence in Community Health Informatics Deputy Dean of Graduate School, Chiang Mai University, Dr. Fathe Jeribi Associate Professor, Vice Dean for Academic Affairs, College of Computer Science & Information Technology, Jazan University, Saudi Arabia and Dr. Sriparna Saha, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Technology Patna, India.

21. A Membership Drive: A "Membership Drive" was conducted on March 7, 2024, at 9:00 AM by the SKN IEEE Student Branch in collaboration with IEEE Pune Section. The event aimed to spread awareness of IEEE's role in advancing technology for humanity and encourage students to join IEEE. The membership drive showcased IEEE's resources and opportunities for professional development, attracting over 25 attendees, including IEEE members of the SKN IEEE Student Branch. The event was highly engaging, with 80 students expressing interest in becoming IEEE members. Supported by IEEE Pune Section, the event ensured accessibility and inclusivity, receiving recognition from Smt. Kashibai Navale College of Engineering Pune-41 and positive feedback from participants. Overall, the event was a resounding success, highlighting the importance of IEEE and its benefits.



22. Women's Health and Fitness Workshop: "Women's Health and Fitness Workshop" was hosted on March 12, 2024, at 10:30 AM by the SKN IEEE Student Branch in collaboration with IEEE Pune Section. The event aimed to empower female students and faculty at Smt. Kashibai Navale College of Engineering, Pune-41, with foundational knowledge about their health and fitness. Over 40 attendees actively participated in discussions, finding the event highly informative and engaging. Mrs. Manjiri concluded the program with a poem emphasizing the importance of health and fitness, followed by a physical activity session consisting of stretching and meditation exercises.



23. Poster Making Competition for International Women's Day: IEEE Student Branch MIT ADT, in collaboration with IEEE EMBS Pune Chapter, hosted a Poster Making Competition on March 12, 2024, at 12 PM to celebrate International Women's Day. The event aimed to amplify the diverse experiences of women through art. The success of the event underscores the importance of creating inclusive spaces for women to express themselves freely and contribute to meaningful dialogue on gender equality and empowerment.



Section Activities Report

24. GSoC Session: PICT IEEE Student Branch hosted a session on “Getting Started with Open Source and GSoC” by Mr. Pranjal Bhor on March 13, 2024, at 4:30 PM on campus.

Mr. Bhor, a PICT alumnus with GSoC experience, provided valuable insights into the GSoC application process and how to succeed. Attendees learned about selecting the right open-source project and writing strong project proposals. With over 130 students in attendance, the session was engaging, with attendees asking questions and taking notes. Key takeaways included understanding the benefits of GSoC participation and practical advice on improving chances of selection.



25. Faculty Development Program on Industry 5.0 for Society 5.0 in association with Department of Electronics and Telecommunication, Vishwakarma Institute of Information Technology, Pune: Department of Electronics & Telecommunication, Vishwakarma Institute of Information Technology, Pune in association with IEEE Communication Society Pune

section has organized Faculty Development Program in Online Mode on Industry 5.0 for Society 5.0 during March 18 – 22, 2024 under the guidance of Dr. Arti Bang and Dr. Ketki Kshirsagar. Further, IEEE Women in Engineering and Society for Data Science also has given their collaboration. The Program on industry 5.0 endeavors to seamlessly integrate cutting-edge technologies into various industries, all the while placing paramount importance on human welfare and societal progress. This initiative harmonizes with the core objectives to cultivate a society that is centered around humanity, sustainability, and inclusivity.



26. Git and GitHub Workshop: IEEE VIIT Student Branch's Design Team organized an offline Git and GitHub Workshop on March 22, 2024. The event aimed to introduce participants to Git, a Version Control System (VCS), and GitHub, a platform for hosting git repositories, catering to individuals with varying levels of experience. Participants actively engaged in hands-on exercises, acquiring essential skills in





version control and collaborative development. The workshop concluded with appreciation for the Design Team IEEE VIIT Student Branch's efforts, leaving attendees equipped with knowledge and tools to streamline their workflow and contribute effectively to software development projects.

27. PRAYAG '24 was organized by IEEE SICSR in collaboration with IEEE Pune Section, IEEE TEMS, & IEEE Education Society. The event aimed to provide insights into brand building, digital media, and entrepreneurship, targeting college students. It took place in both online and offline modes, with sessions held on Webex and Room 407, SICSR respectively, on 26th March 2024 from 2PM to 6PM. The event was made possible with support from IEEE Pune Section and acknowledged the contributions of all speakers, especially Ms. Surekha Deshmukh, Chair IEEE Pune Section, Mr. Prashant Joshi, TEMS Chair, and Dr. Rajashree Jain, Education Society Chair. Efforts were made to ensure accessibility and inclusivity for all attendees. The event's success was recognized through positive feedback and attendee engagement.



28. IEEE Pune Section, Joint Chapter of APS-MTT-EMC and IETE team invited Yashwant Gupta- Centre Director at National Centre for Radio Astrophysics and Distinguished Professor at Tata Institute of Fundamental Research, on the eve of 26th Jan to



hear about the SKA (Square Kilometer Array) project and Giant Metrewave Radio Telescope - India. It was overwhelming to acknowledge the presence of multidisciplinary streams of Science, Engineering and Technology towards SKA project. It is worth knowing more about SKA project and partnership of India on various fronts. Visit <https://www.skao.int/>



Vizag Bay Section

Technically Co-Sponsored the IEEE CONFERENCE with theme:

Empowering Future with Versatile Technologies

(2024 INTERNATIONAL CONFERENCE ON SOCIAL AND SUSTAINABLE INNOVATIONS IN TECHNOLOGY AND ENGINEERING, SASI-ITE'24). 23-25th February, 2024.

Organized by: *Sasi Institute of Technology & Engineering*

Tadepalligudem, West Godavari Dt, Andhra Pradesh - 534101



IEEE Member
Group Insurance
Program

Advertisement for IEEE Member Discounts. It features the IEEE logo on the left, followed by the text "Get Exclusive Savings" in large bold letters. Below this, there are two bullet points: "Group Insurance" and "Brand Discounts". To the right of these points is a button that says "Find Discounts". On the far right, there is a circular graphic with the text "Member Discounts" inside.

Section-3

**Miscellaneous Reports
& Announcements**



Dr. S M Sameer
Chair, IEEE R10
Conference Quality &
Management Committee
&
Professor, NIT Calicut

Students & Young Professionals

Upskilling Engineers:

The Power of Technology-Enhanced Learning
The rapid evolution of technology is transforming the engineering landscape. Today, an engineering graduate's employability hinges directly on possessing the right skillsets. While engineering programs have undergone reforms, a persistent gap exists between the skillsets sought by employers and those emphasized in traditional engineering curricula. To bridge this gap and enhance career prospects, undergraduate and graduate students, as well as young professionals, can leverage technology-enhanced learning (TEL).

Benefits of Technology-Enhanced Learning

- **Enhanced Skill Development:** TEL platforms offer a wide variety of courses tailored to specific engineering specializations and student interests. These platforms empower learners to build new abilities and deepen their
- **knowledge in areas crucial for future career opportunities.**
- **Access to Specialized Knowledge:** TEL allows learners to access specialized knowledge and expertise that might not be readily available in traditional learning environments. Exposure to cutting-edge topics and emerging technologies equips engineering graduates with the competence to excel in specific areas of their discipline, opening doors to new job prospects in specialized roles.
- **Flexibility and Convenience:** TEL offers unparalleled flexibility. Students can access educational content whenever and wherever it suits them, allowing them to continuously develop their skills while managing other commitments. This flexibility is particularly valuable for engineering graduates and young professionals who need to balance work or family with upskilling or reskilling to stay relevant in the fast-paced job market.

- **Interactive Learning and Mentorship:** Many TEL platforms provide interactive learning experiences, including simulations, virtual labs, and collaborative projects. These hands-on exercises equip students with practical experience and hone their problem-solving skills, highly sought-after qualities by engineering employers. Additionally, some platforms offer mentorship programs that connect learners with industry professionals, fostering valuable networking opportunities.
- **Staying Current with Industry Trends:** Engineering is a dynamic field with constant advancements in technology and approaches. TEL platforms keep learners up-to-date on the latest industry trends,

best practices, and cutting-edge research, ensuring they remain competitive in the job market.

Technology-enhanced learning empowers engineering graduates and young professionals to broaden their knowledge base, acquire new skills, stay current with industry trends, and build networks with peers and experts. These advantages translate to increased job opportunities and a brighter career path. However, it's crucial to be discerning when choosing TEL providers, as there are disreputable sources and misleading information. Some reputable platforms to consider include Coursera, Udemy, Upgrad, Edx, Udacity, NPTEL, and Datacamp.

Higher Education in IISc, IITs, NITs and IIITs through GATE

A comprehensive webinar and discussion platform for GATE qualified candidates and their mentor faculty

S P E A K E R S

Prof. T. Venkatesh
*Professor & Head,
Dept of CSE, IIT Guwahati*
*Organizing Vice Chair
GATE 2018*



Prof. S. M. Sameer
*Professor, Dept of ECE,
Former Dean (Academics)
NIT Calicut*



 Sun, 7 April 2024  7 - 8:30 pm

Register bit.ly/ic-gate-session 

Deadline: 4th April 2024

   [ieeekochisubsection](https://www.linkedin.com/company/ieeekochisubsection)



Dr. Debabrata Das
Chair



Er. Sabarinath G Pillai
Secretary



Dr. Vijayalata Yellasiri
Treasurer



Dr. Prerna Gaur
Chair Elect

Advisors & Ombudsman 2024



Dr. Suresh Nair
Immediate Past Chair



Er. Deepak Mathur



Dr. Sivaji Chakravorti



Er. R K Astana



Mr. Puneet Misra
Vice chair, Technical
Activities



Mr. Vamsi Krishna Jadala
Vice Chair - Student
Activities



Dr. Sudip Misra
Vice Chair - Awards



Dr. Sudeshna Choudhury
Vice Chair - Women In
Engineering



Mr. Shone Jose
Vice Chair - Young Profes-
sionals



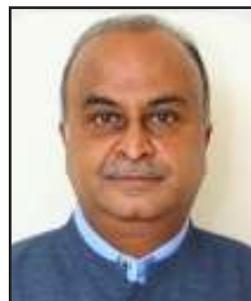
Dr. Chengappa M.R
Vice Chair, Electronic Infor-
mation Communication and
Management(ECIM)



**Dr. Lakshminarayana
Sadasivuni**
Vice Chair - Branding &
Member Benefits



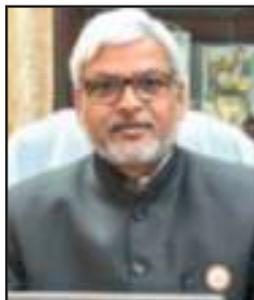
Dr. Rajashree Jain
Vice Chair- Membership
Development



Mr. Bindumadhav
Vice Chair- Section & Sub-
Section Coordinator



Dr. John Jose
Vice chair - Industry
Academia Collaboration



Dr. M N Hoda
Vice Chair - Educational
Activities



Dr. R. B Jadeja
Vice Chair- Professional
Activities



Ms. Sadhana Attavar
Vice Chair-HTA



Prof. Shailendra Singh
Vice Chair- Outreach



Dr. K. Goplanan Nair
Editor, Newsletter



Er. Koruthu Varughese
Coordinator Life Member
Affinity Group (LMAG)



Dr. R Hariprakash
Vice Chair - Sister Society
Coordination (IETE, IEl and
others)



Dr. Satish Singh
Vice Chair - Strategic
Planning



Dr. Preeti Bajaj
Vice Chair, Sustainable
Development Activities (SDA)



Dr. T Srinivas
Chair - Bangalore
Section



Dr. S M Sameer
Interim Chair, Bombay
section



Dr. Kiran Amin
Chair - Gujarat Section



Prof. Muhammed Kasim S
Chair - Kerala Section



Dr. Dipankar Debnath
Chair - Kharagpur Section



**Dr. Suparna Kar
Choudhury**
Chair - Kolkatta Section



**Dr. Porkumaran
Karantharaj**
Chair - Madras Section



Dr. Surekha Deshmukh
Chair - Pune Section



Dr. Abraham Varughese
Chair - Vizag Bay Section



Dr. Abdul Q Ansari
Chair - Delhi Section



**Dr. Yogesh Singh
Chauhan**
Chair - Uttar
Pradesh Section



Dr. G S Tomar
Chair - MP Section



Mr. Sri Chandra
GIEEE/ Bangalore

IC Execom #1

2024 EXCOM Meeting #1

Held on 24-02-2024, 07.00 to 08.00 pm at Board Room, Pascal Block

Sasi Institute of Technology & Engineering

Tadepalligudem, West Godavari Dt, Andhra Pradesh - 534101

Sponsored by IEEE Vizag Bay Section



IC Execom #2

The second Execom meeting of IEEE IC was convened in **R10** Breakfast meeting at **Kuala Lumpur**. The venue was Latest Recipes Restaurant's private room in Le Meridian from **7am to 8am** on **03-03-2024**.



Diary of Events In & Around IC

Events in the First Quarter

Jan 2024

- 04 IEEE Bangalore Technology Conclave 2023 by Bangalore Section.
The 7th International Workshop on Networking Women in Distributed Computing and Networks 2024(ICDCN 2024) at Chennai, India.
- 05 Technical Lecture Program at ADMH, Dept. of CSE, Jadavpur University, Kolkota Section.
- 06 IEEE awareness session at Fergusson College, Pune Section.
06-10 37th International Conference on VLSI Design at ITC Royal Bengal, Kolkota..
IEEE AP-S Distinguished Lecture on “Entrepreneurship: Turning Ideas into Reality” by Prof., Cynthia M. Furse, organized by Hyderabad Section.
- 09 India Growth Outreach Accelerated Linkage (Goal) Program 2024, IEM Gurukul Campus, Kolkota.
- 10 IEEE CS Madras, CSI Chennai & ACM Chennai organized a webinar on “ChatGPT for the Mobility Industry -- Opportunities & Challenges”.
- 11 IEEE Madras Section organized a session embarked enriching research internship opportunities.
- 13 ‘Research Convergence Conclave’ organized by Madras Section.
- 11-12 Fourth IEEE International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024) scheduled at Shri Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India.
- 11-16 IEEE SB VIT Pune organized the DevOps Workshop.
- 13 AGM of Kerala Section at The Hotel Abad Plaza, Kochi.
General Body meeting of Photonics Society, Kerala.
- 14 Special event in commemoration of the legacy of Sri. Ravi L Kirloskar (107th Birth Anniversary), the founder Chairman of Bangalore Section at Bangalore.
- 15-19 Pune IEEE RSCOE Student Branch organized MATLAB for Electrical Engineering Students.
- 17-19 International Conference on Green Energy, Computing and Sustainable Technology 2024 (GECOST 2024) organized by the Department of Electrical and Computer Engineering, Curtin University Malaysia, and technically sponsored by IEEE Malaysia Power & Energy Society.
- 18 AGM - Kolkota Section at Eastern Metropolitan Club, Santoshpur, Kolkota. Special event – to honour Sri. Sivaji Chakravorti in attaining the Life Time Achievement Award.
Hyderabad Section organized a talk on “A History of Climate Change and Role of Solar Energy in Combating it”.
- 20 AGM - IEEE Pune Section.

- IEEE India Sections Secretary & Treasurer Conclave organized by IEEE Kerala Section & IC Office at Abad Plaza, Kochi.
- DSSYWLC'23 at NSUT Delhi.
- A field trip by Dr. Job Chunkath and Mr. Nishanth Benny to HTB project area to evaluate the infrastructural facilities at the site by ComSoc, Kerala.
- 22-31 Faculty Development Program on Cutting Edge: Horizons of Data and Analytics at Meghnad Saha Institute of Technology (MSIT), Kolkata.
- 22-24 Apscon 2024 in Goa, 2nd International IEEE Applied Sensing Conference.
- 23-24 IoT Workshop at Shirwal for School Students, "IoT Workshop at Shirwal" by IEEE VIIT Student Branch & MES English Medium School, Shirwal, Pune.
- 23 LMAG, WIE, and SIGHT jointly organized the workshop at at TKM Engg. College, Kollam.
- 24 IEEE PUNE SECTION Annual General Meet 2023.
- 25 Online Webinar Series – 15, a talk on 'Artificial Intelligence Horizon: Neglecting the Landscape of Applications & Generative AI Evolution' by Er. P G Muralidharan, CEO SunSure Systems India Pvt Ltd.
- 25 LMAG Online program: : Artificial Intelligence Horizons, by Er. P G Muralidharan.
Quiz Competition-2024, Kolkata Book Fair, Karunamoyee, Kolkata.
- 26 Republic Day Celebrations.
AGM of PES, Kerala at Residency Towers, Tvpm
- 27 CONVERGE 2024-IEEE IEM CS Student Chapter Venue: IEM, Kolkata
- 29-Feb2 Faculty Development programme at Mar Baselios College of Engineering and Technology by EMBS, Kerala.
- 30 Online talk on 'Lab to Startup – How Technology – led Initiations & Industrial Collaborations Transform Quality Education & Policies' by Dr. Alex P James, Academic Dean at Digital University, Kerala.
Intra College Hackathon for DPBH 2023 - an innovative event hosted by Department of CSE Santhiram Engineering College in association with IEEE RAS Student branch chapter.
- 31 Webinar by WIE MAS AG on "EmpowerHer: WIE Knowledge Exchange,"
- February 2024**
- 01-06 Faculty Development Program (FDP) on Industrial IoT and Connected Devices at Sri Sairam Engineering College.
- 02 Blockchain Symposium-2024 by IEEE Pune Section.
- 03 IEEE SB VIT Pune organized CodeZest.
IEEE Madras Young Professionals and the Research and Development Cell of Jeppiaar Institute of Technology (JIT) organized the event "Unlocking Potential with Multi-Rotor Drone Operations".
- 04 Execom Meeting of IEEE Kerala CNAG at Digital University

- YP Mircomeetup – 1 | Travancore Hub, at Trivandrum Office.
AGM of CS, Kerala.
- 5 A research talk IEM Gurukul Campus by IEEE IEM CASS Student Branch Chapter in association with IEEE CAS Kolkata Section
- 09 IEEE Madras YP hosted the “IEEE Region10 Robotics Competition Alumni Talk” via Podcast.
- 06 LMAG, WIE, and SIGHT jointly organized the workshop at SCT College of Engineering, Pappanamcode, Trivandrum.
- 10 First Execom meeting of IKS, Officer Training, KPP Nambiar Award, Student Volunteer & Student Branch Awards function at Hotel Appolo Dimora, Trivandrum.
Launching of Energy and Environment Engineering Laboratory at JSPM’s JSCOPE, Pune Section.
- 11 AGM 2023 of Hyderabad Section. Honouring LM, Fellows, Life Fellow Members.
WISDOM (Women in Science DOMain) Quiz organized by Photonics Society of Kerala in connection with the United Nations “International Day of Women and Girls in Science”
Kolkata Section Annual Social-2024 at Kamala Gardens, at Bibirhat on Bakrahat Road.
AGM-2024 of Hyderabad Section at Hotel Marigold, Begumpet.
- 12 Pune Section RSCOPE Student Branch organized a session on “Mastering Project Design Essentials”
- 14-21 Computational Thinking Workshop: IEEE SB VIT Pune
- 15 Last date for nominations PES India –Specific Awards funded by Dr. Narain Hingorani.
- 15-16 International Conference on Distributed Computing & Optimization Techniques (ICDCOT-2024) in association with Bangalore Section.
- 18 AGM of Delhi section.
AGM of SPS Kerala.
- 20 IEEE Kolkata Section organized an enriching lecture in commemoration of IEEE Foundation Day.
- 21 Talk session on ‘Beyond the Chip: Crafting Career in Semiconductor Innovation’ Rony Alex Thomas, SoC Engr., Intel.
IEM IEEE CAS Student Branch Chapter organized an outreach program.
- 22 Robotics Club of PES organized MCOEM-PULSE Xtronica 2k24 – Robonexus organized by IEEE student branch of PES MCOE Pune.
- 23 IEEE annual meeting and IEEE awards night of IEEE Madras Section.
Finals, OnCampus Program 2024, Venue: St. Xavier’s College (Autonomous) - Kolkata
- 23-24 International Conference on ‘Power Electronics & IoT Applications in Renewable Energy and its Control’ (PARC 2024, by U P Section.
ElectroQuest competition by IEEE student branch of PES MCOE, Pune.
- 24 “RESONANCE ‘24” - AGM and Volunteer Training of SSCS at IEEE Kerala Section Office, Kochi.

- 24 First IC Execom 2024, at 7.00 pm at SASI, Institute of Science & Engineering, Tadepalligudam, AP.
- 25 Ecorev'24 Cycle Rally was organized by the IEEE Madras Section in collaboration with YP. Online Meeting of IEEE Kerala Section SIGHT.
- 24-25 The SLT Volunteer Leadership Training (VoLT) 2024, organized by IEEE LINK, IKS.
- 25 Face - To - Face Meeting of EdSoc, Kerala.
Hyderabad Section Execom Meeting 2024 at the Tourist Plaza Hotel in Begumpet.
- 27 "Powering the Future: Unveiling the potential of EV charging – Exploring Performance and Overcoming Challenges" by IEEE Vehicular Technology Society Kerala Chapter.
- 28 IEEE PES Pune Section outstanding engineer award plaque is presented to Dr. Anjali Dharme.
Workshop on Introduction to Proteus Design Suite by Malabar-Sub Section of Kerala.
- 29 LMAG IC Online program: Net Zero (Emission) by 2050, by: Dr. B G Moni.

March 2024

- 01 National symposium on "Addressing Sustainability in the VUCA World" Venue: Faculty of Management Studies (FMS), Dr. B. C. Roy Engineering College, Kolkata Section.
- 01-03 'Ignite Celebrations and Inspire Ironic Innovations' – at Digital University, Kerala in association with IEEE Kerala Section & India Council.
- 02 Second IC Execom meeting at Kualalampur.
IEEE VIIT Student Branch, Pune organized an insightful NS2 session.
Tinker Hack 2.0: at Rajagiri School of Engineering & Technology (RSET), Ernakulam, IKS.
- 03 IEEE Madras - Singapore Young Professionals Connect 2024.
- 05 Demonstration of STEM Kits for IEEE MOVE India Program at GIEEE office Bangalore.
- 05-076th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2024), Pune Section.
- 06 Technical Lecture Programme at Seminar Hall-1 Cooch Behar Government Engineering College, Kolkata Section.
LMAG Kerala's approach paper. Presented at the Institution of Engineers Hall by Prof. V K Damodaran.
- 07 SKN IEEE Student Branch in collaboration with IEEE Pune Section conducted Membership Drive.
AGM of ComSoc Kerala Section.
AGM & Face to Face meet of IA/IE/PELS, Kerala at RECCA Club, Kochi.
Distinguished Lecture Program on Deep Learning for Massive MIMO Hybrid Beamforming, Madras Section.
- 08 IEEE WIE Madras Section SB AG presented a webinar under the track Femmianza on the topic Breaking barriers: Empowering Women in Leadership by Dr. Sree Sharmila T.

- IEEE Jeppiaar Engineering College WIE SB AG celebrated International Women's Day.
LIGHTNING TALK on "Leveraging Women in Engineering towards Accelerating Progress and Achieving Success"- IEEE WIE AG Hyderabad Section & IEEE WIE India Council.
- Webinar -Getting a handle on the career trajectory the - WiE way organized by IEEE WIE Bangalore Section.
- IEEE WIE AG Hyderabad Section in association with IEEE WIE INDIA COUNCIL organized A Series of Lightning Talks on "Leveraging Women in Engineering towards Accelerating Progress and Achieving Success".
- 09 PES of St Joseph's College of Engineering Student Branch Chapter of Madras organized a technical workshop.
IKS SIGHT AGM 2024 at Kollam, Kerala.
Tink-Her-Hack 2.0 – HACKATHON by WiE Kerala.
AGM of IEEE CASS Kerala Chapter.
International Women's Day Celebrations organized by IEEE-RSC, ATPSS, Hyderabad Section.
- 11 IEEE St. Joseph's College of Engineering conducted WOMANSERA
- 12 "Women's Health and Fitness Workshop" was hosted by the SKN IEEE Student Branch, Pune.
- 13 PICT IEEE Student Branch, Pune hosted a session on "Getting Started with Open Source and GSoC"
- WIE Madras Section Affinity Group Organized a webinar on Strategies for Women in Engineering Leadership by Ms. Gresha Samarakkody Chair, IEEE WIE Sri Lanka Section.
Interactive session with Dr. Rajeev Joshi, IBM USA, by CNAG, IKS.
IEEE EMBS Women in Biomedical Engineering (WIBE) of Kerala - talk on Gaganyaan project by Er. Smitha K S, Scientist Engineer SG and Deputy project director of Gaganyaan project of ISRO.
IEEE Awareness Session for YP's organized by IEEE Malabar Subsection at Tata Elxsi, Kozhokode
- 15 Deadline for Nominations - 2025 IEEE MGA.
LMAG, WIE, and SIGHT jointly organized the workshop at at St. Joseph's College for Women, Alappuzha.
- 15-16 The 5th International Conference on Innovative Trends in Information Technology (ICITIIT), at the IIIT, Kottayam, IKS.
- 15-16 IEEEGPREC Student Branch in association with PELS SBC & WIE AG organized a Two-Day Student Congress 'Anokha 5.0', Hyderabad Section.
- 16 Webinar on IEEE Outstanding Branch Counselor and Branch Chapter Advisor Award of Madras Section.
Webinar on from Zero to Data Hero - Your Roadmap to Mastering Data Analytics
- 17 SIGHT MAS, SIGHT SJCE SB - AG, in conjunction with the IEEE St. Joseph's College of Engineering student chapter, orchestrated an eminent online colloquium christened "SIGHT - INNOVATE Sight Innovate - Benefits of SIGHT"

- Planning Committee Meeting of Strategic Initiatives, IKS at Kochi Office.
IEEE Hyderabad Section Execom Meeting and Volunteer training on Vtools.
- 18 SHEWISDOM Online Talk Session-Experience of a Techno Entrepreneur by IA/IE/PELS, Kerala.
- 22 Membership development session: at Seminar Hall NLB Block SOE 1, CUSAT, Kochi Sub Section, IKS.
- 22-23 Smart Agriculture System using IoT Technology event by Hyderabad Section.
- 23 The first meeting of MOVE India volunteers held online.
- 23-24 : IEEE Malabar Subsection in collaboration with IEEE NITC SB and IEEE Computer Society SBC NITC, hosted a two-day workshop on data analytics
- 24 A scholarship application session was conducted via Google Meet by CS, Kerala.
- 26 IEEE SICSR in collaboration with IEEE Pune Section organized PRAYAG '24
- 27 Technical session on the topic "Powering the Future: Unveiling the potential of EV charging – Exploring Performance and Overcoming Challenges" by Vehicular Technology Society of Kerala.
IEEE GRIET Student Body orchestrated the spectacular "Enigma 3.0" quiz event by Hyderabad Section.
- 28 LMAG Online Program: High Power DC Appliances, by Dr. R Ramarathnam.
- 30 Last date for Self Nominations for Vice President, Educational Activities, etc.
Madras Section Young Professional Affinity Group, hosted a webinar titled IEEE R10 Robotics Competition 2024
- 31 "ELEVATEYP – Innovating Young Professional Growth" Madras YP.

Forthcoming Events

April 2024

- 05-07 I2CT, International Conference on 'Convergence of Technology', by Pune Section.
- 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 platform for Gate qualified candidates and their mentoe faculty. Speakers: Prof.T Venkatesh and Prof. S M Sameer, the program by IEEE IC in association with IEEE Kochi Subsection.
- 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.
- 16 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.

- 17 LMC meeting at Hyatt Regent, Austin, Texas, USA.
IEEE India Council day
- 19 IEEE Education Week – A seminar on ‘Digital Fabrication for a Sustainable World’, at E-Block, SGT University.
- 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.
- 21 Panel discussion as a part of Pune Auto Expo organized by PES-IAS Chapter, Pune Section.
- 25 Webinar on Intellectual Property and Effective Consulting organizing by Consultants Network, Bangalore Section.

May 2024

- 15 Last date to submit Paper for TENSYP
- 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.
- 28-31 23rd Intersociety Conference at Colorado, USA.

June 2024

- 15 Last date for Nominations for President Elect 2026.
- 21-23 CONIT’24 IEEE International Conference on Intelligent Technologies, Hubballi, India.
- 30 Last date for Nominations for President Elect.

July 2024

- 15-19 ‘Orlando’, 46th Annual International Conference on EMBS
- 22-23 Technical Conference SPACE 2024 at Sheraton Grand Bengaluru Whitefield Hotel & Convention Center.

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.

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 TENSYP 2024 - organize by Delhi Section at Hotel Welcome, Sector 10 Dwaraka and Netaji Subhash University of Technology, Dwaraka, New Delhi.

November 2024

- 21-23 Section Conference DELCON 2024 to be hosted by BVICAM, New Delhi

November 2024

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

Bangalore Section



Delhi Section

Invitation for Volunteer

A request from Chair, IEEE Delhi Section

As per the email from Ewell Tan regarding the TAB Committee on Standards (TCoS) Seed Funding for Projects Initiating Innovative Standards Efforts. A proposal is planned by the Chair Delhi Section, under TCoS under the category "Publicize the importance of standards development through meetings, workshops or conferences". There will be 1-2 workshops each in four different zones of India, i.e., North, South, East and West with the above scope. (Although IEEE does not recognize any such zone in India, but for our convenience it is proposed like this, so that the entire length and breadth of the Nation may be covered). Volunteers from each zone to work towards this end are needed.

Therefore, the Members from the India Council ExeCom are requested to come forward and volunteer the proposal. After identifying the volunteers, a meeting is planned to hold to finalize the proposal and submit. Each face-to-face Workshop may receive a grant of US\$ 2000 – 2500.

Please write on the following WhatsApp number for your willingness to volunteer.
9873824597 – Abdul Q Ansari (Chair, Delhi Section)

Kerala Section



IEEE SPICES 2024

IEEE INTERNATIONAL CONFERENCE ON
SIGNAL PROCESSING, INFORMATICS, COMMUNICATION AND ENERGY SYSTEMS

A Flagship Conference of IEEE Kerala Section

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY (IIIT) KOTTAYAM
Kerala, India

20- 22 SEPTEMBER 2024

Conference Theme:

"Harmonizing Signals, Data, and Energy: Bridging the Digital Future"

IEEE Conference Record Number 62143

Organizing Institute & Venue:

Indian Institute of Information
Technology (IIIT) Kottayam,
Kerala, India

Financial Co-Sponsor:
IEEE Kerala Section

IEEE SPICES 2024 invites contributions in
following streams but not limited to:

- Signal Processing
- Next Generation Communication Networks
- Intelligent Computing
- Advanced Analytics and AI Integration
- Smart Energy Technologies
- Instrumentation for Smart Systems
- Cognitive Robotics
- Power Electronics and Smart Grids

Author Guidelines:

- Authors are encouraged to submit full papers within a 6-page limit in standard IEEE double-column format for review.
- Extra charges are applicable for papers exceeding 6 pages (a maximum of 8 pages).
- All submitted papers will be checked for plagiarism through the IEEE Cross-Check system.

**All registered and presented papers will be
submitted to IEEE for possible publication in
IEEE Xplore.**

IMPORTANT DATES

Call for paper open:
01st January 2024

Full Paper Submission
Deadline (Hard Deadline)
10th May 2024

Notification of Acceptance:
28th June 2024

Camera Ready Submission:
24th July 2024

Conference Date:
20- 22 September 2024

ieeespices2024@iiitkottayam.ac.in | <https://ieeespices2024.iiitkottayam.ac.in>



Kolkata Section

IEEE CATCON2024

On 22-24 November 2024 in Kolkata.

This is the seventh edition of this renowned conference. The accepted & presented papers will be archived in IEEEExplore following IEEE norms.

The paper submission for the conference is now open. Please visit <https://www.catcon2024.com/paperSubmission.html>.

Madras Section

IEEE Region10 | IEEE Madras Section | IEEE Madras Section Industrial Committee | IEEE youngprofessionals MADRAS SECTION

IEEE R10 ADHOC INDUSTRY ENGAGEMENT & ROUND TABLE COMMITTEE

2024 IEEE INDUSTRY DAY & INDUSTRY ROUND TABLE DISCUSSION

WELCOME ADDRESS

INAUGURAL ADDRESS
Prof. Dr. CHUN CHE (LANCE) FUNG
DIRECTOR, IEEE R10

Dr. BERNAND LIM
CHAIR, IEEE R10 ACIERT

Dr. PORKUMARAN KARANTHARAJ
CHAIR, IEEE MADRAS SECTION

KEYNOTE SPEAKERS

KEYNOTE ADDRESS

Dr. Dala Prasanna
Director, IEEE R10

Mr. Raj Subramaniam
Chief Technology Officer
RT Madras Research Park

Dr. M. Subramanian
Executive Director,
Society for Electronic
Transactions and Security (SETS)

Dr. Sainarayanan G
Technology Director,
HCL Tech

Dr. A Pavesthan
Director(R&D)
R&D Division of ISMET India

Mr. Murugavel Muthu
Founder & CEO,
COSGrid Solutions

INNOVATION UNLEASHED: EXPLORING INDUSTRY TRENDS SHAPING TOMORROW

DATE- 16th APRIL 2024

REGISTER NOW

05:45 - 06:00 PM - REGISTRATIONS
06:00 - 06:05 PM - WELCOMING ADDRESS BY BERNAND LIM
06:05 - 06:10 PM - WELCOMING ADDRESS BY PORKUMARAN KARANTHARAJ
06:10 - 06:15 PM - OPENING REMARK BY CHUN CHE (LANCE) FUNG
06:45 - 07:15 PM - PANEL DISCUSSION
07:45 - 08:00 PM - VALEDICTORY CEREMONY

SETS, TARAMANI, CHENNAI

ieeemadras.org | [f](#) [in](#) [o](#) [v](#) IEEE MAS









GROW! THRIVE! LEAD!
Inauguration Ceremony



Dr. K. Perikumeran
Chairman, IEEE Madras Section
Principal and Senior Professor
of Sreejaya Engineering College



Dr. S. Joseph Gladwin
Vice Chairman - Industry, IEEE Madras Section
Associate General Manager,
Bajaj Car Waiwax Pvt Ltd, Chennai



Dr. S. N. Murugesan
Principal
Rajalakshmi Engineering College



Mr. M. Arun
Chairman, IEEE Madras Young Professionals AD
Professor and AD
APJCT, Palurukki Engineering College



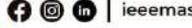
Mr. Ashvanth B
Vice Chairman, IEEE Madras Young Professionals AD
Senior Associate, Technology Operations,
Infosys India



Rajalakshmi Engineering College
Chennai



Saturday
06th April, 2024



Pune Section









Panel Discussion on
EY FIRST NATION FIRST

Road map towards Sustainable Transportation and Ecosystems

Organized by PES-IAS Chapter IEEE Pune Section
Sustainable Development Activities Committee IEEE India Council

Pune Auto Expo
Sunday 21st April 2024 at 10.30 am IST (Virtual mode)

Panel Members



Dr. Susheel Ramdasi
Deputy Director ARAI



Er. Ramnathan Srinivasan
Managing Director, ATS



Dr. Santosh Patani
Dy. Executive Engineer
MSDCL

Organizing team

Prof. Preeti Khatri Dr. Mandar Bhawalkar Dr. Geetanjali Vaidya Dr. Surekha Deshmukh Dr. Preeti Bajaj

No registration fee, however registration is mandatory
Registration Link
<https://forms.gle/aUyCWB8N3SgU5DgP7>
mandar_bhawalkar@yahoo.co.in
9881238775
geetvaidya@yahoo.com

Join with following link
<https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m8db23794aa7d0dc444d5e58126dbd4ae>



IEEE LMAG India Council and LMAG Kolkata
Invite you to the Online Webinar # 18
Title of the talk:-
IoT in Agriculture



Date & Time:-
25th April (Thursday) 7:00pm to 8:30pm (IST)

Speaker:
Prof. (Dr.) Bijoy Kumar Upadhyaya, SMIEEE, FIE, LMISTE, LMIETE
 Principal-in-Charge Tripura Institute of Technology Narsingarh Tripura (W)

For details & link contact:-
Salil Kumar Sanyal
 Chair, LMAG Kolkata
 Email:-salilkumarsanyal@yahoo.in
 Phone:- +91 94330 26007



For details & link contact:-
Koruthu P Varughese
 Chair, LMAG India Council
 Member LMC 2024.
 Email : koruthu@ieee.org
 Phone : 8714804819

Life Member Affinity Group India Council, under IEEE India Council : Formed on 14th September 2023.




10 YEARS OF
STUDENT COORDINATION TEAM
INDUCTION & INITIATION 2024



Deepak Mathur
 Vice President, IEEE MGA



Preeti Bajaj
 Chair - Awards, IEEE MGA



Dr. Debabrata Das
 Chair - IEEE India Council



Dr. Purna Gaur
 Chair - Elect
 IEEE India Council



Sabarinath Pillai
 Secretary
 IEEE India Council



Dr. Vijayalata Reddy
 Treasurer
 IEEE India Council

16 APRIL, 2024

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A new initiative for YP

The most effective way to encourage young professionals (YPs) to renew or acquire IEEE membership is by meeting them where they are. This year, we are exploring the option of establishing IEEE groups within companies as a means of motivating YPs to engage with IEEE and promoting increased collaboration between academia and industry. After observing successful models, IC can then encourage YP affinity groups and industry relations committees within sections to adopt similar approaches at the section level for scalability.

Now one step gone ahead. As a result of this initiative, an aware session to promote IEEE within Tata Elxsi at Kozhikode, Kerala was arranged. As a result, Tata Elxsi offered reimbursement of the membership fee for all employees who join IEEE. Additionally, they have incorporated IEEE membership and participation in various activities into the KPIs for appraisals. Now we can refer Tata Elxsi example to other companies also.



It will be good if other Sections organize similar skill development activities/ internship with the experts to engage in organizing activities of the section to encourage YP's.

Do you know? *In early stages of IEEE in India, every Tata engineer was an IEEE member!*

**Education Activities, IEEE Region 10
India Council, IEEE Delhi Section, and NSUT**

Celebrates Education Week

April 14th-April 20th 2024

A webinar on “How to write a technical paper with a higher probability of success”

will be held online on 20th April 2024 at 7.30 pm by
Prof Debabrata Das, Director, IIIT Bangalore, Chair, IEEE India Council.



For the webinar, please use the following meeting details:

Meeting ID: <https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m83d01e194f5094362f7dd728fb6832e1>,

Meeting Number: 2531 698 1622.

Meeting password: Edweek

All research scholars, students, and faculty members of the IEEE India Council are requested to join.

Prof: Prerna Gaur

Vice Chair, IEEE Region 10 EAC

Chair Std Committee EA Delhi Section

Chair-Elect, IEEE India Council

The 2024 16th International Conference on Information Technology and Electrical Engineering (ICITEE)

October 23-25, 2024 – Bali, Indonesia

We are pleased to announce the [2024 16th International Conference on Information Technology and Electrical Engineering \(ICITEE 2024\)](#), taking place on October 23-25, 2024, in Bali, Indonesia. ICITEE 2024 offers a premier platform for researchers to present the latest findings and emerging technologies in electrical engineering and information technology.

Join us for an International Forum where researchers, engineers, and scholars can showcase their latest research results, innovative ideas, and experiences in the field of Electrical Engineering and Information Technology. The conference provides an excellent opportunity to network, exchange information, and foster collaboration among academia and industry experts.

Conference Topics:

- Information Technology
- Signal Processing & Machine Intelligence
- Communication & Network Technologies
- Electronics, Circuits, and Systems
- Power System
- Control System

Important Dates:

Submission Deadline: May 19, 2024

Notification of Acceptance: June 19, 2024

Camera-Ready: August 21, 2024

Conference Dates: October 23-25, 2024

Conference Website:

<http://icitee.ugm.ac.id/>

EDAS Submission link:

<https://edas.info/N32152>

Conference Secretariat:

Department of Electrical Engineering and Information Technology,

Faculty of Engineering, Universitas Gadjah Mada (UGM)

Jalan Grafika No 2, Kampus UGM Yogyakarta 55281

Telp. (0274) 552305, Fax. (0274) 552305, WhatsApp: +6281806628555 (Chat only)

Contact Email: icitee.ft@ugm.ac.id

The 6th IEEE International Conference on
Artificial Intelligence in Engineering and Technology 2024
(IICAJET2024)

Kota Kinabalu, Malaysia

26 to 28 August 2024 (Hybrid Mode, Online conference mode available for overseas participants)

The IEEE Sabah Subsection is organizing the 6th IEEE International Conference on Artificial Intelligence in Engineering and Technology 2024 (IICAJET2024), co-organized by the Faculty of Engineering, Universiti Malaysia Sabah (UMS), which will be held in Kota Kinabalu, Malaysia.

The conference will provide an excellent platform for knowledge exchange between researchers working in the areas of Artificial Intelligence. Prospective authors are invited to submit a full paper (4-6 pages) describing original work on all aspects of artificial intelligence.

Call for Papers

Authors are invited to submit original, unpublished papers on all aspects of artificial intelligence. Topics include but are not limited to:

- Affective Computing
- Biometrics
- Communication Technology
- Games and Decision Theory
- Internet of Things (IoT)
- Intelligent Transportation System
- Micro and Nanotechnology
- Multi-Agent Interaction
- Pattern Recognition and Classification
- Smart City
- Smart Health
- Biomedical Engineering
- Big Data
- Data Mining
- Human-Machine Interaction
- Intelligent Control and Robotics
- Machine Learning
- Modelling & Simulation
- Neural Networks and Fuzzy Logic
- Signal and Image Processing
- Smart Energy
- Others

Paper Submission

All accepted papers will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

Paper submission link: <https://easychair.org/conferences/?conf=iicaiet2024>

Conference Website: <http://iicaiet.ieeesabah.org/>

Contact us at email: iicaiet2024@gmail.com

Important Dates

Submission of full paper: 15 May 2024

Notification of acceptance: 15 Jun 2024

Submission of camera-ready paper: 5 August 2024

Payment Confirmation deadline: 5 August 2024

For more information, please visit our website: <http://iicaiet.ieeesabah.org> or contact us at email: iicaiet2024@gmail.com

IEEE Education Society Member

The nominations for the annual awards of the IEEE Education Society are now being accepted.

Nominations should be submitted online by 9 June 2024.

All award nominations and reference letters should be submitted online through the Education Society Website. Once an Award Nomination Form is submitted, the nominator will receive an emailed copy of the nomination and the provided references will receive information on how to complete the [Reference Letter Forms](#).

Online Submission Forms:

[Society, Achievement, & Leadership Awards Nomination Form](#)

[Chapter Achievement Award Nomination Form](#)

[Reference Letter Forms](#)

It is important that members who have contributed significantly to the various Education Society activities highlighted by our awards be recognized.

This is our way of showing our appreciation for their accomplishments.

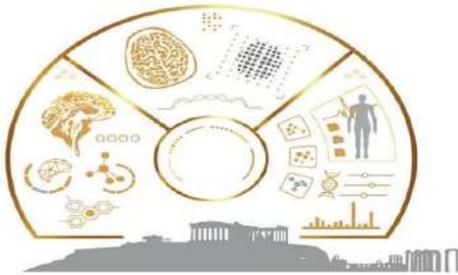
***The Society will be launching two new awards this year recognizing excellence in textbook authorship and Ph.D. dissertations from the field of engineering and computing education.**

Watch for the call-for-nominations for these awards.

Questions regarding awards and nominations should be sent to the Education Society Operations Manager at admin@ieee-edusociety.org.



Life Member Conference on is being organized at Hyatt Regency, Austin, Texas on days 14–16 April 2024. The Life Member Committee meeting will also be held on the same venue on April 17, 2024.



IEEE INTERNATIONAL SYMPOSIUM
ON BIOMEDICAL IMAGING
ISBI 2024
27-30 MAY, 2024 – ATHENS, GREECE
MEGARON ATHENS INTERNATIONAL CONFERENCE CENTRE (MAICC)

Announcing the Industry Day Program!

Join us on Monday, 27 May for the ISBI 2024 Industry Track.

The ISBI 2024 Industry Program is now available! This year's Industry Day will take place on Monday, 27 May and bring outstanding companies in our field to present and discuss projects and products relevant to the ISBI community.

Separate registration for the industry track is required. The registration fee is US\$35.

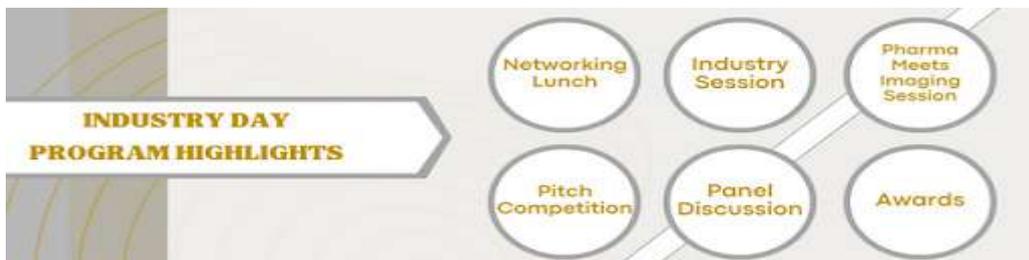
The day includes a networking lunch where industry and academic researchers can exchange collaboration ideas, share experiences, and speak on entrepreneurship and fresh opportunities in the industry.

There are limited spots available.

We will also organize again a Pitch Competition with great prizes! Apply by 19 April to compete for prizes up to US\$3,000. Learn more about the application process [here](#).

There is still time to save on registration for the 2024 IEEE International Symposium on Biomedical Imaging (ISBI)! Join us in Athens, Greece, from 27-30 May 2024.

Register by 26 April 2024 to save. We are looking forward to seeing you there!








CALL FOR PAPERS

5th IEEE India Council International Subsections Conference

INDISCON 2024

August 22-24, 2024,
Venue- Punjab Engineering College (Deemed to be University), Chandigarh, India

Theme- Science, Technology and Society

<p>Patron: Prof. Baldev Setia, Director PEC Chandigarh Prof. Debabrata Das, Chair IEEE India Council</p> <p>Co-Patron: Prof. Purna Gaur, Chair-Elect, IEEE India Council Prof. A. Q. Ansari, Chair, IEEE Delhi Section</p> <p>Honorary Chair: Prof. Rudra Pratap, VC Pkashya University Prof. Lalit Awasthi, Director NIT UK Prof. Anupam Shukla, Director NIT Surat Prof. B. K. Panigrahi, IIT Delhi Mr. B. A. Sawale, DG, CPRI, Bengaluru</p> <p>General Chair: Prof. Arun Kumar Singh, PEC Chandigarh Prof. Manish Hooda, SCL Mohali Dr. Puneet Mishra, URSC Bengaluru</p> <p>Organizing Secretary: Dr. Padmavati, PEC Chandigarh Dr. Simranjit Singh, PEC Chandigarh Dr. Manohar Singh, PEC Chandigarh</p> <p>TPC Chair: Prof. Sudeb Das Gupta, IIT Roorkee Prof. N. S. Chaudhari, IIT Indore Prof. S. V. Kulkarni, IIT Bombay</p> <p>Finance Chair: Dr. Vijayalata Yellasiari, Treasurer, IEEE Dr. Sneha Kabra, Delhi University Mr. Mayank Gupta, PEC Chandigarh</p> <p>Publication Chair: Prof. Jawar Singh, IIT Patna Prof. Jagdish Kumar, PEC Chandigarh Prof. Balwinder Raj, NIT Jalandhar</p> <p>Executive Steering Committee: Sh. Deepak Mathur, 2024 IEEE VP MGA Prof. Preeti Bajaj, VC-SA IEEE India Council Dr. K. R. Suresh Nair, IEEE India Council Prof. M. N. Hooda, VC IEEE Delhi Section</p> <p><small>*Other committees are mentioned on the conference website</small></p>	<p style="text-align: center; font-weight: bold;">About the Conference</p> <p>INDISCON is the flagship International Conference organised by IEEE India Council and IEEE Subsections in India to bring together researchers from academia and industries on various aspects of Sciences, Engineering and Technology. The Conference provides an excellent international platform for sharing of state-of-the-art research/technologies in the field of Electronics, Electrical, Information Technology etc., wherein many national/international eminent personalities will share their vision, expertise and knowledge.</p> <p>INDISCON 2024 is organised by IEEE Chandigarh Subsection and hosted by Punjab Engineering College (Deemed to be University), Chandigarh along with IEEE India Council. INDISCON 2024 will include a wide range of technical sessions, invited talks, workshops, tutorials, special sessions, industry sessions, exhibits etc.</p> <p style="text-align: center; font-weight: bold;">Technical Tracks</p> <p>Track 1: Power and Energy Enabling Technologies Track 2: Power Electronics, Drives and Intelligent Control Track 3: Instrumentation, Control and Signal processing Track 4: Artificial Intelligence and Data Science Track 5: Communication, Network & IOT Track 6: Next Generation Computing and applications Track 7: Security & Privacy Track 8: RF/Microwave/Terahertz Technologies Track 9: Semiconductor Devices Track 10: VLSI & Embedded Systems Track 11: Nanotechnology Materials and Devices Track 12: Education Technologies Track 13: Women in Engineering</p> <p style="text-align: center; font-weight: bold;">Submission Guidelines</p> <p>Paper submission instructions and template will be available at http://ieeindiscon.org/ Paper submission link: https://cms3.research.microsoft.com/INDISCON2024/</p> <p>Papers (upto 6 pages in .pdf) presented in the Conference, only accepted after peer review, will be eligible for submission for further consideration of publishing in the IEEE Xplore, subject to maintenance of quality, and post-conference scrutiny of response of Conference Organizers to Technical Program of Questionnaire (TPQ) on the Conference.</p> <p>Note: Based on the significance of the work, novelty and technical contents, papers will be selected for the Best Poster Award and Best Paper Award. Travel grant will be awarded to a limited number of applicants on a highly competitive basis, for more details visit conference website.</p> <p style="text-align: center; font-weight: bold;">Important Dates</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">• Last Date of Paper Submission</td> <td style="width: 40%;">March 31, 2024</td> </tr> <tr> <td>• Notification of Acceptance</td> <td>May 15, 2024</td> </tr> <tr> <td>• Camera Ready/Final Paper Submission</td> <td>June 10, 2024</td> </tr> <tr> <td>• Last Date of Registration</td> <td>June 15, 2024</td> </tr> </table>	• Last Date of Paper Submission	March 31, 2024	• Notification of Acceptance	May 15, 2024	• Camera Ready/Final Paper Submission	June 10, 2024	• Last Date of Registration	June 15, 2024
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IEEE COMPUTER SOCIETY | IEEE PES | IAS | IEE ELECTRONIC DEVICES SOCIETY | IEEE Control Systems Society | IEEE Intelligent Transportation Systems Society

Local Host: NSUT

CALL FOR PAPERS

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Core Advisors	Prof. Debabrata Das Director, IIT Bangalore 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	15 May 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) 15 September 2024 (for general delegates)

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>

For Paper Submission

Scan the QR Code

Prospective authors are invited to submit original research papers (not being considered for publication elsewhere) in standard IEEE conference template describing new theoretical and/or experimental research results in the following tracks (but are not limited to):

Track-1 Computer and Information Technology
Prof. M N Hoda, Prof Manju Khori, JNU, Prof Manpreet Kathuria, Dr Shashank Awasthi, G L Bajaj
Artificial & Augmented Intelligence and their applications, Biometrics & RFID, Computational Intelligence, Deep Learning, Big Data Analytics, IOT, 5G Networks and Cloud Computing, Data and Business Analytics, Computational Social Science & Social Networks.

Track-2 Data Science, Cloud and Big Data Analytics
Prof. Bijender Kumar - NSUT, New Delhi, Dr Sugandha Singh, SGT Univ, Dr Poonam Rani, NSUT, Dr Gaurav Singhal, NSUT
Computing Technologies Algorithms Programming Languages Computing Architectures and Systems Computer Graphics, Vision and Animation Software and Database System, Multimedia Engineering Networks.

Track-3 Electronics, VLSI Technology & Embedded System
Prof. Manoj Saxena - Delhi University, New Delhi, Dr Shruti Jain, 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 Nanoelectronics, 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 Kalia, NIT Delhi, Dr Diwakar Pathak
Conventional, Renewable and Green Energy, Energy Storage Devices, Electric Vehicles and their Charging Infrastructure, Onboard, System planning & economics, operation & control.

Track-5 Communications and Signal Processing
Prof. Ranjan K. Mallik, Indian Institute of Technology, Dr Urvashi Bansal, NSUT, Prof Richa Bhatia, NSUT
Communication, Signal, Image and Video Processing, RF, Microwave, Millimetre wave: Theory and Techniques, Electromagnetics, Intelligent Transportation Systems.

Track-6 Intelligent Control and Instrumentation
Prof Lillie Devan, NIT Kurukshetra, Dr Deepthi Saxena, MNIT Jaipur, Dr Anil Kumar Yadav, NIT Jalandhar
Intelligent Control Systems Robust, Fuzzy, Neural Network-based, Applications in interdisciplinary areas.

Track-7 Biomedical Engineering and Healthcare Technologies
Prof V R Singh, NSUT, Dr Jyoti Yadav, NSUT, Dr Richa Sharma, NIT Jalandhar
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 Preeti 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 Ajal Goel, Mr K V N Pawan Kumar, Mr Sanjay Wadhwa

HTC: Prof Rajender Singh 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 unsubscribe: Email: tensymp2024@nsut.ac.in | Conference website: ieeedelhi-tensymp2024.org

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Deepak Mathur,

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University



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Dr K Suresh Nair

Past chair, IEEE India council



Prof. Subrata Mukhopadhyay

General Co Chair



Prof. Purna Gaur

General Co Chair

INDICON 2024

2024 IEEE 21st India Council International Conference

19 – 21 December 2024

Kharagpur, India

AWARD WINNERS 2023

Madras Section

S.No.	NAME	Organization	Award presented by	Award Detail (Name)
1	Dr. R. HARIPRAKASH	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH	MGA	MGA ACHIEVEMENT AWARD
2	Mr. M. ARUN	PANIMALAR ENGINEERING COLLEGE	MGA	MGA YOUNG PROFESSIONALS ACHIEVEMENT AWARD
3	ST. JOSEPH'S COLLEGE OF ENGINEERING IEEE SB	ST. JOSEPH'S COLLEGE OF ENGINEERING	MGA	2023 IEEE REGIONAL EXEMPLARY STUDENT BRANCH AWARD
4	SRI SAI RAM INSTITUTE OF TECHNOLOGY IEEE SB	SRI SAI RAM INSTITUTE OF TECHNOLOGY	MGA	2023 IEEE REGIONAL EXEMPLARY STUDENT BRANCH AWARD
5	PANIMALAR INSTITUTE OF TECHNOLOGY IEEE SB	PANIMALAR INSTITUTE OF TECHNOLOGY	MGA	2023 THE DARREL CHONG STUDENT ACTIVITY AWARD
6	ST. JOSEPH'S COLLEGE OF ENGINEERING IEEE SB	ST. JOSEPH'S COLLEGE OF ENGINEERING	MGA	2023 THE DARREL CHONG STUDENT ACTIVITY AWARD
7	SRI SAI RAM INSTITUTE OF TECHNOLOGY IEEE SB	SRI SAI RAM INSTITUTE OF TECHNOLOGY	MGA	2023 THE DARREL CHONG STUDENT ACTIVITY AWARD
8	JEPPIAAR ENGINEERING COLLEGE IEEE SB	JEPPIAAR ENGINEERING COLLEGE	MGA	2023 THE DARREL CHONG STUDENT ACTIVITY AWARD
9	Mr. H R. MOHAN	ICT CONSULTANT	IEEE COMPUTER SOCIETY	IEEE CS T MICHAEL ELLIOT DISTINGUISHED SERVICE CERTIFICATE
10	SIVARAMAN P	SCHNEIDER ELECTRIC SOLAR INDIA PVT LTD	IEEE STANDARDS WORKING GROUP	WORKING GROUP AWARD FROM IEEE STD 3001.9-2023
11	Mr. A. DARWIN JOSE RAJU	ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING	IEEE SIGHT (GLOBAL)	HONORABLE MENTION OF THE 2022 SIGHT VOLUNTEER OF THE YEAR AWARD
12	SRI SAIRAM ENGINEERING COLLEGE IEEE PELS SBC	SRI SAI RAM ENGINEERING COLLEGE	IEEE POWER ELECTRONICS SOCIETY	BEST STUDENT BRANCH CHAPTER AWARD

13	SRI SAIRAM ENGINEERING COLLEGE IEEE SSC SBC	SRI SAI RAM ENGINEERING COLLEGE	IEEE SOLID STATE CIRCUIT SOCIETY	2023 SSCS STUDENT BRANCH CHAPTER OF THE YEAR AWARD
14	Ms. T. ABINAYAA SRI	ST. JOSEPH'S COLLEGE OF ENGINEERING	R10	IEEE R10 WIE OUTSTANDING STUDENT VOLUNTEER AWARD
15	SRI SAI RAM ENGINEERING COLLEGE IEEE SB	SRI SAI RAM ENGINEERING COLLEGE	R10	2023 IEEE R10 SAC OUTSTANDING VOLUNTEER AWARD -SPECIAL RECOGNITION
16	Ms. PRIYANKA BABU	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	IEEE ATC ATG MAGNETICS CONFERENCE	BEST POSTER AWARD
17	Dr. NARAYANAN. K	SASTRA DEEMED TO BE UNIVERSITY	R10	STUDENT PAPER CONTEST - SPECIAL RECOGNITION
18	Ms. RESHMAJA K RAMESH	THE EPLANE COMPANY	INDIA COUNCIL	SHRI PRAHLAD P CHHABRIA BEST OUTGOING STUDENT
19	PUDUCHERRY TECHNOLOGICAL UNIVERSITY IEEE SB	PUDUCHERRY TECHNOLOGICAL UNIVERSITY	INDIA COUNCIL	OUTSTANDING EMERGING STUDENT BRANCH AWARD
20	Dr B MEENAKSHI	SRI SAI RAM ENGINEERING COLLEGE	INDIA COUNCIL	OUTSTANDING WIE PROFESSIONAL VOLUNTEER
21	DR S. BRINDHA	SRI SAI RAM ENGINEERING COLLEGE, CHENNAI	INDIA COUNCIL	OUTSTANDING VOLUNTEER AWARD
22	Dr. S.SUBHA	SRI SAIRAM ENGINEERING COLLEGE	INDIA COUNCIL	OUTSTANDING VOLUNTEER AWARD
23	Mr. R. SREEKANTH	ST. JOSEPH'S COLLEGE OF ENGINEERING	INDIA COUNCIL	OUTSTANDING VOLUNTEER AWARD
24	Ms. U. JAMUNA	ST. JOSEPH'S COLLEGE OF ENGINEERING	INDIA COUNCIL	OUTSTANDING WIE STUDENT VOLUNTEER AWARD
25	Mr. GNANA PADMESH C K	SRI SAIRAM ENGINEERING COLLEGE	INDIA COUNCIL	OUTSTANDING STUDENT VOLUNTEER AWARD
26	Ms. V. DHARANI	ST. JOSEPH'S COLLEGE OF ENGINEERING	INDIA COUNCIL	OUTSTANDING STUDENT VOLUNTEER AWARD
27	Ms. M. SUSHMITHA	PANIMALAR INSTITUTE OF TECHNOLOGY	INDIA COUNCIL	OUTSTANDING STUDENT VOLUNTEER AWARD

28	Mr. GOKULA KRISHNAN, R	JEPPIAAR ENGINEERING COLLEGE	IEEE COMPUTER SOCIETY	RICHARD E MERWIN SCHOLARSHIP AWARD
29	Ms. HARINI KANNAN	SRI SAI RAM ENGINEERING COLLEGE	IEEE COMPUTER SOCIETY	RICHARD E MERWIN SCHOLARSHIP AWARD
30	Ms. LOHITHA, P	PANIMALAR INSTITUTE OF TECHNOLOGY	IEEE COMPUTER SOCIETY	RICHARD E MERWIN SCHOLARSHIP AWARD
31	Ms. B. RESHMA	PANIMALAR INSTITUTE OF TECHNOLOGY	IEEE COMPUTER SOCIETY	RICHARD E MERWIN SCHOLARSHIP AWARD
32	Ms. SUSHMITHA	PANIMALAR INSTITUTE OF TECHNOLOGY	IEEE COMPUTER SOCIETY	RICHARD E MERWIN SCHOLARSHIP AWARD
33	Ms. DHANYA K	SRI SAIRAM ENGINEERING COLLEGE	IEEE COMPUTER SOCIETY	RICHARD E MERWIN SCHOLARSHIP AWARD
34	Ms.. M. NASREEN FATHIMA	JEPPIAR ENGINEERING COLLEGE	IEEE COMPUTER SOCIETY	RICHARD E MERWIN SCHOLARSHIP AWARD
35	Mr. NIRANJAN KUMAR S	ANTANO & HARINI	IEEE COMPUTER SOCIETY	IEEE CS 20 IN THEIR 20S LIST, EMERGING LEADERS IN COMPUTER SCIENCE AND ENGINEERING
36	Mr. MUTHU MARIAPPAN	PATHPARTNER TECHNOLOGY	IEEE COMPUTER SOCIETY	IEEE CS 20 IN THEIR 20S LIST, EMERGING LEADERS IN COMPUTER SCIENCE AND ENGINEERING
37	Mr. R.ARUNAN	KUMARAGURU COLLEGE OF TECHNOLOGY	IEEE COMPUTER SOCIETY	RICHARD E MERWIN SCHOLARSHIP AWARD
38	Dr. M.ALAGU MEENAKSHI	KUMARAGURU COLLEGE OF TECHNOLOGY	IEEE TRYENGINEERING	IEEE STEM CHAMPIONS
39	Dr. A.AMSAVENI	KUMARAGURU COLLEGE OF TECHNOLOGY	IEEE TRYENGINEERING	IEEE STEM CHAMPIONS
40	Dr. SOMA PRATHIBHA	SRI SAIRAM ENGINEERING COLLEGE	IEEE TRYENGINEERING	IEEE STEM CHAMPIONS
41	Dr. PSHANMUGHAPRIYA	SRI SAIRAM ENGINEERING COLLEGE	IEEE TRYENGINEERING	IEEE STEM CHAMPIONS
42	Ms.B.RENUKADEVI	SRI SAIRAM ENGINEERING COLLEGE	IEEE TRYENGINEERING	IEEE STEM CHAMPIONS

Best Researcher Award (Age 40 and Below)

1. Dr. M. GulamNabiAlsath, College of Engineering Guindy
2. Dr.Nirmal D,Karunya Institute of Technology and Sciences
3. Dr. N. Sivakumar,Sri Sai Ram Engineering College, Chennai

Best Researcher Award (Above 40 and Below 50)

1. Dr.S.Albert Alexander,Vellore Institute of Technology, Vellore
2. Dr.C.Bharatiraja,SRM Institute of Science and Technology, Chengalpattu
3. Dr.U.Snekhalatha,SRM Institute of Science and Technology
4. Dr.Nagarajan V ,Pondicherry Central University

Best Researcher Award - Above 50

1. Dr. P. Partheeban,Chennai Institute of Technology, Chennai
2. Dr. S. Malarvizhi,SRM Institute of Science and Technology, Chennai
3. Dr.T.Thyagarajan,Former Dean, MIT Campus, Anna University

Publication Awards

1. Dr.C. Bharatiraja,,SRM Institute of Science and Technology
2. GunasekaranRaja,Anna University, Chennai
3. AnishaNatarajan,SRMIST
4. Kumar PrasannajitPradhan,IIITDMKancheepuram
5. Rameez Raja Shaik,IIITDMKancheepuram
6. Jagabar SathikM,SRM Institute of Science and Technology

7. Dr. N. Prabakaran,SASTRA Deemed University
8. SoumyaranjanRoutray,SRM Institute of Science and Technology
9. Dr.SuchethaM,VIT University
10. Dr.U.Snekhalatha,SRM Institute of Science and Technology
11. Dr.J.DivyaNavamani,SRM institute of Science and Technology
12. NrusinghaCharan Pradhan,
13. Dr. C.K. Sundarabalan,SASTRA Deemed University
14. Dr.PandiyarasanVeluswamy,IIITDMKancheepuram
15. SenthilkumarM,PSG College of Technology
16. RajakumariV,IIITDMKancheepuram
17. Dr.VijayalakshmiDhinakaran,SRM Institute of Science & Technology
18. Dr. Sandeep Kumar Palaniswamy,SRM Institute of Science and Technology
19. NirmalD.,Karunya Institute of Technology and Sciences
20. Srilekha M K,SRM Institute of Science and Technology
21. Vasuki A
22. Dr.VarshiniKarthik,SRMIST
23. P. Vijayakumar,SRMIST
24. Dr.K.SakthidasanSankaran,Hindustan Institute of Technology and Science,
25. S. J. JebasinghKirubakaran,Vel Tech MultitechDr. RangarajanDr.Sakunthala Engineering College
26. Rajesh Agarwal,SRMIST
27. Dr.S.AlbertAlexander,VIT, Vellore

28. Dr.M.Anto Bennet

Patent Awards

1. Mohammed GulamNabiAlsath,College of Engineering Guindy
2. Dr.S.Balakrishnan, SKCET
3. Dr Ramprabhu S, Anna University
4. Dr.U.Snehalatha,SRM Institute of Science and Technology
5. Dr. G. Puthilibai,SAI RAM
6. Anitha G
7. Dr.C. Bharatiraja,,SRM Institute of Science and Technology
8. Dr.VarshiniKarthik,SRMIST
9. JayanthiThiruvengadam
10. Padmini S
11. Dr. S. Kirubaveni
12. Dr.Harigovindan V P,National Institute of Technology Puducherry
13. R. G. Sangeetha,VIT
14. Dr. K. Porkumaran,Sri Sai Ram Engineering College
15. Dr. Sandeep Kumar Palaniswamy,SRM Institute of Science and Technology

Student Branch Counsellor

1. Dr. S. Malathi,Panimalar Engineering College
2. R. Sreekanth,St.Joseph's College of Engineering
3. Dr.V.Nandalal,Sri Krishna College of Engineering and Technology

WIEVolunteer Award

1. Dharani, St.Joseph's College of Engineering

2. Reshma,Panimalar Institute of Technology

3. Soumya M,

Student Volunteer Award

1. Sushmitha M,Panimalar Institute of Technology
2. ReshmaB,Panimalar Institute of Technology
3. ArisudanTH,St. Joseph's College of Engineering

Young Professionals

1. Heyram,Zoho Corporations
2. Mithresh GP,Prodapt Solutions
3. Nandhitha K,Bosch, Coimbatore

Society Chapter LS.

1. Dr. Soma Prathibha,Sri Sairam Engineering College
2. Mr. Kanagarajvenusamy,Rajalakshmi Engineering College
3. RajaramKrishnamoorthy,Velalar college of Enginnering and Technology
4. Dr. Kumar PrasannajitPradhan,IITDMKancheepuram

Student Branch Award

1. Jeppiar Engineering College
2. SA Engineering College
3. Sri Sai Ram Institute of Technology
4. Thiagararajar College of Engineering

IEEEXTREME 17.0

1. Sri Sai Ram Engineering College

Special Awards

1. MGA Achievement Award, Dr. R. HARIPRAKASH, Bharath Institute Of Higher Education And Research
2. MGA Young Professionals Achievement Award, Mr.

- M. Arun, Panimalar Engineering College
3. IEEE CS T Michael Elliot Distinguished Service Certificate, Mr. H R. Mohan , ICT Consultant
 4. IEEE R10 SAC Outstanding Volunteer Award - Special Recognition, Sri Sai Ram Engineering College
 5. IEEE Regional Exemplary Student Branch Award The Darrel Chong Student Activity Award [Gold] -St. Joseph's College of Engineering
 6. IEEE Regional Exemplary Student Branch Award The Darrel Chong Student Activity Award [Gold] - Sri Sai Ram Institute of Technology
 7. IEEE Regional Exemplary Student Branch Award The Darrel Chong Student Activity Award [Gold] -Panimalar Institute of Technology
 8. IEEE Regional Exemplary Student Branch Award The Darrel Chong Student Activity Award [Silver] - Jeppiaar Engineering College
 9. IEEE R10 SAC Outstanding Student Branch Award- Sri Sai Ram Engineering College
 10. Global Strategy Representative-India [2024-2026] -IEEE Photonics Society ,USA, Dr.BrindhaSaminathan, Sri Sai Ram Engineering College
 11. Board of Governor, IEEE Computer Society, Mr. Prasanth M, QuestionPro
 12. Vice Chair, IEEE Region 10 Women In Engineering, Ms. Pooja Sharma
 13. IEEE REGION 10 Lead, IEEE DAY, Mr. ABHIJAY GOPAL S, Sri Sai Ram Engineering College

HONORARY ROLE 2023

S.No.	NAME	Organization	IEEE ROLE	IEEE OU
1	Dr.RAMALATHA MARIM-UTHU	IEXPLORE FOUNDATION FOR SUSTAINABLE DEVELOPMENT	CHAIR	IEEE MGA MRRC 2023
2	Mr. PRASANTH MOHAN	IEEE MADRAS SECTION	VICE CHAIR	IEEE MGA SAC
3	Mr. ARAVINDHAN ANBAZHAGAN	IEEE MADRAS SECTION	BOARD OF GOVERNORS	IEEE PROFESSIONAL COMMUNICATION SOCIETY
4	Dr. A. DARWIN JOSE RAJU	ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING	2023 HTB HUMANITARIAN TECHNOLOGIES EVENTS COMMITTEE CHAIR	IEEE HTB (GLOBAL)
5	Mr. M I ABDUL HALIK	FORTE CONSULTING	VICE CHAIR OF BRANDING	IEEE DAY
6	Ms. POOJA SHARMA	IEEE MADRAS SECTION	VICE CHAIR	IEEE REGION 10 WOMEN IN ENGINEERING

7	Mr. M.ARUN	PANIMALAR ENGINEERING COLLEGE	MEMBER, IEEE INDIA COUNCIL IAYP SUB COMMITTEE 2023	IEEE INDIA COUNCIL
8	Dr. S.VIMAL	RAMCO INSTITUTE OF TECHNOLOGY	TECHNICAL COMMITTEE MEMBER- MACHINE LEARNING, DEEP LEARNING AND AI IN CE (MDA)	IEEE CONSUMER TECHNOLOGY SOCIETY
9	Dr. PRASHANT R. NAIR	AMRITA VISHWA VIDYAPEETHAM, COIMBATORE	MANAGING EDITOR	IEEE REGION 10 (ASIA-PACIFIC REGION) NEWSLETTER
10	Mr. NIRANJAN KUMAR S	ANTANO & HARINI	REGION 10 LEAD	IEEE XTREME 17.0
11	Mr. NIRANJAN KUMAR S	ANTANO & HARINI	EVENTS AND CONTESTS ASSISTANT LEAD	IEEE DAY 2023
12	Mr. NIRANJAN KUMAR S	ANTANO & HARINI	REGION 10 REPRESENTATIVE	IEEE EDUCATION SOCIETY YP ADHOC COMMITTEE 2023
13	Mr. ASHVANTH B	MASSMUTUAL INDIA	EVENTS COMMITTEE 2023	IEEE HUMANITARIAN TECHNOLOGY BOARD
14	Mr. ASHVANTH B	MASSMUTUAL INDIA	SECTION REPRESENTATIVE	IEEE MOVE INDIA 2023
15	Mr. ASHVANTH B	MASSMUTUAL INDIA	DESIGNER	IEEE R10 TENTALK SERIES
16	Mr. M I ABDUL HALIK	FORTE CONSULTING	SOCIAL MEDIA CO-LEAD	IEEEXTREME 17.0
17	Mr. M I ABDUL HALIK	FORTE CONSULTING	VICE CHAIR, COMMUNICATIONS AND PROMOTIONS	IEEE SPAX
18	Mr. M I ABDUL HALIK	FORTE CONSULTING	MEMBER, IEEE REGION 10 MDC	IEEE R10
19	Mr. M I ABDUL HALIK	FORTE CONSULTING	MEMBER OF OUTSTANDING CHAPTER AWARD (PROFESSIONAL), MGA BOARD.	IEEE MGA
20	Mr. M I ABDUL HALIK	FORTE CONSULTING	MEMBER, IEEE COMPUTER SOCIETY'S AD HOC SEARCH COMMITTEE.	IEEE COMPUTER SOCIETY

Bangalore Section

AWARD WINNERS 2023

2023 MGA INNOVATION AWARD: Dr. Aloknath De

“For exemplary leadership and outstanding contribution in leveraging Bangalore’s power of industry and aligning initiatives of Section, Society Chapters and SAC, towards benefits for members in all lifecycle stages”

2023 MGA Young Professionals Achievement Awards: Dr. Ashwini Appaji

For Exemplary leadership and contributions to IEEE Students and Young Professional activities for membership growth and retention.

IEEE Computer Society Bangalore Chapter awarded “2023 Outstanding Chapter Award”

2023 IEEE STEM Champion Award, From Region 10: Dr. Abhishek Appaji

IEEE WIE Inspiring Member of the Year Award, Honorable Mention: Dr. Kumudhini Ravindra

2023 WIE Committee Outstanding Volunteer: Sadhana Attavar

IEEE CS 20 in their 20s Honoree from Computer Society: Asif Ali Ahmed

2023 Region 10 Young Professionals, Outstanding Volunteer in Industry: Yeshwanth L M

India council awards

1. Outstanding Young Professional Volunteer: Abhishek Appaji
2. Outstanding Student Volunteer: Subramanya Navada K R
3. Outstanding Student branch: Siddaganga Inst. of Technology

IEEE Bangalore Section Awards

Award Name	Awardee
Medal of Honor 2023	Dr. Surendra Pal
IEEE Bangalore Section - Outstanding Large Student Branch Award 2023	Amrita School of Engineering Bangalore
IEEE Bangalore Section Outstanding Medium Student Branch Award 2023	Nitte Meenakshi Institute of Technology, Bangalore STB64731
IEEE Bangalore Section Outstanding Medium Student Branch Award 2023	Manipal Institute of Technology, Manipal STB09891
IEEE Bangalore Section Outstanding Small Student Branch Award 2023	Vidya Vikas Institute of Engineering & Technology, Mysore
IEEE Bangalore Section Outstanding Large Student Branch Counsellor Award 2023	Dr. Kiran K

IEEE Bangalore Section Outstanding Medium Student Branch Counsellor Award 2023	Dr. Ambar Bajpai
IEEE Bangalore Section Outstanding Small Student Branch Counsellor Award 2023	Dr. Savita Sonali
IEEE Bangalore Section Outstanding Student Branch Digital Presence Award 2023	RashtriyaVidyalaya College of Engineering, Bangalore
IEEE Bangalore Section Most Promising Student Branch Award 2023	Cambridge Institute of Technology, Bangalore
IEEE Bangalore Outstanding Large Chapter_Affinity Group 2023	IEEE Circuits and Systems Society CAS, Bangalore Chapter
IEEE Bangalore Outstanding Student Volunteer 2023	Nisarga V
	SuhasKatrahalli
	Poornima R
	Shrivatsa Vaman Gudi
	Subramanya Navada
IEEE Bangalore Outstanding WIE Volunteer 2023	Dr. Vaddi Naga Padma Prasuna
IEEE Bangalore Outstanding Young Professional Volunteer 2023	Yeshwanth L M
	RoobiniGanesan
	Asif Ali Ahmed R
IEEE Bangalore Outstanding Volunteer 2023	Dr. Shobha K R

Electronic Information Communication and Management Team



Dr. Chengappa M.R.,
Vice Chair, ECIM



Vamsi Krishna Addepalli
Website Lead

MGA Outstanding Section Awards

To recognize the excellent work of a large, medium, and small Section in the past year.

- **Large Section = 1,501 or more members**
- **Medium Section = 501–1,500 members**
- **Small Section = 500 or fewer members**

Members include students as of 31 December of the prior year

[Submit Nomination for Outstanding Section - **DEADLINE 15 MAY 2024!**](#)



Requirements and eligibility

- Completed online nomination form
- Submission of financial, officer, and meeting reporting
- Sections may not receive two MGA Outstanding Section Awards within three years

Section Information

- List of names and titles of all officers; Chapters; Affinity Groups; and Student Branches in the Section

Awards

- Examples of awards presented by the Section to recognize IEEE members, non-members, firms, etc.
- Examples of awards presented to the Section to recognize individual IEEE members or the Section, Chapters, or Affinity Groups

Selection and award instrument

- Three MGA Outstanding Section Awards will be presented annually:
 - One large Section
 - One medium Section - new in 2014
 - One small Section

Recipients will be selected by the [MGA Awards and Recognition Committee](#) and approved by the MGA Board at the June MGA Board Meeting.

Nominators and recipients will be notified in July.

Recipients will receive a plaque inscribed with the accomplishment.

The VP-MGA or Region Director will present the award at an appropriate Region event in which the Section Chair or representative of the Section will be attending; in the year of Sections Congress, the current recipient and two previous recipients will be properly recognized at Sections Congress

More information

[Email MGA Awards with questions about the MGA Outstanding Section Award or the MGA Awards Process](#)



TWO NEW AWARDS!

Call for Nominations

Best Doctoral Dissertation Award in the Field of Engineering Education

IEEE Bhagawandas and Rajani Lathi Award for Excellence in Engineering Textbooks

View all IEEE Education Society Awards here.

Deadline: 9 June 2024

Call for Nominations

IEEE EDUCATION SOCIETY AWARDS

Deadline: 9 June 2024

Chapter Achievement	Mac Van Valkenburg
Distinguished Chapter Leadership	Early Career Teaching
Edwin C. Jones, Jr. Meritorious Service	Distinguished Member
	IEEE Student Leadership

and more!



IEEE Foundation Scavenger Hunt competition

Dr Preeti Bajaj for won IEEE Foundation Scavenger Hunt competition. She made us proud by winning among so many participants from the attendees of IEEE Board meeting series at Orlando.

Congratulations – Dr. Preeti Bajaj

Join us #IEEE 140

Membership Cost

The charges for becoming an IEEE member in India vary based on the membership type (such as student, professional, or associate) and can change over time. There may be discounts available for certain membership types or for joining during specific promotional periods. Visit the official IEEE website or contacting the IEEE India office for the most current information on membership charges and any available discounts.



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

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