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IC Vaani

IEEE India Council Newsletter

IEEE INDIA COUNCIL

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Dr. K.Gopalan Nair

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Message from Chair IEEE India Council

Dr. Debabrata Das

Dear Esteemed Members,

Greetings from IEEE India Council!

First of all, appreciate all the IEEE volunteers for their contributions to respective sections, sub-sections, society/chapters/affinity groups for various IEEE activities. I want to thank all the impeccable works of Prof. Gopalan Nair, Editor of IC-Vaani, Mr Biju Associate Editor and others members of the team to collate history of IEEE IC and some sections in starting of this edition and diary and events at end as well as the IC's VCs and Sections activities information as well as shaping this edition of April to June 2023 edition of IC-Vaani.

In the history of IEEE India Council (IC) for first time, the process of election to Chair-Elect started around April and May 2023, with respect to MGA guidelines. I want to thank Prof. Prerna Gaur, Prof. Rajesh Ingle and Prof. Anil Roy to participate in this process to contribute for IC related activities. Congratulation to Prof. Prerna Gaur for being elected as Chair-Elect 2023. The big thanks to Nomination Committee Chair Dr Suresh Nair and all the members of nomination committee. MGA officials for above meticulous work.

Grateful to Prof. Lakshminarayana for hosting FIRST IEEE India Council Day successfully on 17th April 2023 and also all the Sections hosting various events on the eve of IEEE India Council day/week in April 2023.

Thanks to Prof. Prerna Guar, Prof. Ansari of IEEE Delhi section and others for hosting Accreditation Process workshop with India Council and other IEEE groups in May 2023. Appreciate Kolkata Section Chair Dr Iti Saha and volunteers for VEGA program. Appreciate Ms. Sadhna Attavar, VC for MOVE activities for her relentless pursuit on disaster management training for school students in May 2023. Thanks to Dr. Rajashree Jain, VC MDC for various activities she has been doing on membership development. In fact, it is a great challenge to retain membership, which needs many value added events for members of all levels. We really appreciate Prof John Jose for following up in industry-academia collaboration and activities. His hard work will culminate to a fruitful MoU with a large MNC in near future.

LMAG group is now very active and doing systematically webinars every month – thanks to Er. Koruthu and other LMAG members for all coordination. Moreover, we want to congratulate Er Koruthu Varughese for receiving prestigious LMAG awards. YP activities VC Er Baker has been doing multiple activities and also planning for AISYWLC with SAC. It is worth following green activities by Dr. Sudeshna VC WiE, Dr. Surekha Chair IEEE Pune and Er Ananad Chair Bombay section. Thanks to Dr Aloknath, Chair from Bangalore Section, Prof Kasim, Chair Kerala Section, Dr Mondal, Chair Kahragpur Secion, Dr Porkumaran of Madras Section and Chairs of other sections as well as Sub-Sections for multiple activities.

Looking forward to meeting you all during INDISCON in August 2023.

I want to place on record the support of all Vice Chairs of IC, 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. Debabrata Das

Editorial

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

We all have dreams. But in order to make dreams come into reality, it takes an awful lot of determination, dedication, self-discipline, and effort."

– Jesse Owens

'*We can do what we have to do and sometimes we can do it even better than what we think we can*'. All these things in our lives are defined by the decisions we make in each day. Being professionals, naturally we choose one option over another in order to shape our lives. We are not discouraged in taking decisions because every wrong attempt discarded will become another step forward. Once Alexander Graham Bell, (one of the founders of our Institution) wrote, 'What this power is I cannot say; all I know is that it exists and it becomes available only when a man is in that state of mind in which he knows exactly what he wants and is fully determined not to quit until he finds it.'

Self-determination means we have the power to make decisions. It always is in the control of our life. Here we have the right to choose what we would do with our life and with whom we would do it. Aligning the same direction to turn our dreams, resources, efforts and concentration into reality, we will attain our cherished goal. We must set things in such a direction to get what we want. It is important to understand that self-determination usually contributes to positive results in all areas to improve the quality of our life.

One of the definitions of self-determination is, '*the ability to make choices and manage our own lives, is crucial to psychological health and well-being*'. A failure establishes when our determination to win is not strong enough. Desperate frustration will lead to mistakes but at the same time determination paves the way to purpose, achievement and peace. We have to release our fear of making the wrong one and be more tempted in taking decisions to attain desirous domino effect. The inbuilt power in us helps to competently assess the advantages and disadvantages of each choice whether they are right or wrong.

All people have the right of self-determination. By virtue of that right, they freely determine their status and other developments. The only good luck that many great men possessed is that they were born with the ability and determination. The truest wisdom of a person is a resolute determination. The only way to do something is to proclaim 'I will!' and stick to it and proceed until it is done.

A person's self-determination in a difficult situation can have an overwhelmingly positive impact on his happiness. For this, he can deliberate earlier failures to fuel his current desire to achieve the goals. He can use his supreme confidence in his abilities in that occasion and that is what is needed. Hard work, dedication to the job at hand, and the determination to win are the price of success.

"Nothing great will ever be achieved without great men, and men are great only if they are determined to be so."

– Charles De Gaulle

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

**Er. Rajendra K Asthana
Ombudsman**

History of India Council

FORMATION

First IEEE Set up in India was not India Council.

Delhi Section was formed first on 13th May 1976 and India Council on 20th May 1976, followed by other Sections.

However as per Kolkata Section web site, Kolkata sub-section was formed in 1971 under Delhi Section. Not supported by IEEE records as Delhi Section itself was formed in 1976.

FINANCES of IC

* As per 1976 IC byelaws, Sections rebate was routed through IC. IC kept half of basic rebate and passed on other half rebate + full membership rebate + technical activities rebate to Sections.

Thus, funds available to IC was half of all Sections rebate + surplus Share from Annual Convention and Exhibition (ACE), a Council event held annually jointly with one of the Sections.

IEEE did not fund Councils similar to Sections.

* During 1991, one Section complained to MGA that IC is delaying payment of rebate to Sections. As per prevailing practice at that time, MGA first sent rebate statement to Sections and Council, followed by Cheque. After receipt of cheque, banks took 6 to 8 weeks for clearing of international cheques.

* From 1992 onwards MGA started sending rebate cheques directly to Sections and this stopped funding of Council through Sections rebate.

* 1992 onward income of Council was reduced to only surplus from ACE. Those days ACE was a low-key conference organised by Sections; Council started facing funds crises.

* During 2005, Council explored various alternatives to run Council activities, especially to manage monthly printed issue IC NL (India Council Bulletin).

* Council estimated its annual expenditure and requested each of the 10 Sections to equally share Council annual expenses. Only 3 to 4 Sections responded.

* Partial response did not meet Council's funds requirement. Next Council suggested Sections to sponsor one issue of NL, Council to sponsor 1 issue and ACE 1 issue. There was no better response. Small Sections felt that large, medium & small Sections should not be asked to pay equal amount. Instead share of Sections may be calculated based on its membership.

* Council reworked share of expenses based on Section Membership but there was no change is response.

* During one of the brain storming sessions during Council ExCom, a proposal came out that Council may work out a proposal similar to Japan Council so that each member pays a small amount as cess, and total cess collected from India membership could be passed on to Council by MGA. After deliberations, amount agreed by Sections present was that a cess of $1.00 ($0.50 in case of discounted dues in case of minimum income group) may be levied on each Indian member and amount thus collected may be passed on to Council. Thus, it will not be burden on any Section. Some of the Sections did not agree to this also and it could not be taken forward and failed.

* At the same time Sections did not agree to stop hard copy of NL and to replace it with E-NL. In order to meet this request of Sections, Council NL editor spent lot of money from his pocket and Council could not pay him. To pay NL editor, Delhi obtained quarterly adertisement for IC NL and cleared debt of NL editor. This lasted for over 2 years.

* During INDICON 2006 at Delhi, after prolonged deliberations, it was concluded that Council must organise some fund-raising activities directly without involving Sections to improve financial status of Council. It could not be implemented till 2014.

* Thanks to Deepak Mathur, IC Chair 2015-16 for implementing 2006 recommendations. During his tenure, Deepak Mathur brought many improvements to Council including financial health. He, with help of Dr. Amit Kumar, organised several conferences and generated good surplus amount which improved financial health of Council.

* For last few years, R10 is giving some incentive to Council and Council is able to organise quality events. Again thanks To Deepak Mathur and other R10 Directors for supporting Councils.

IC MANAGEMENT

* From 1976 to 1990, for first 15 years IC was mostly run by Bombay Section (12 years by Bombay & 3 years by Hyderabad).

* From 1991 onwards, IC started rotating among Sections. During next 33 last years Council is managed by Delhi (8-1/2 Years), Bombay ((5 Years), Kerala (4 Years), Gujarat (4 Years), Bangalore (3-1/2 years), Chennai (2 Years), Kolkata (2 Years), Hyderabad (2 Years) & UP (2 Years).

MOUs

IC had entered into 6 MOUs so far:

1. With IETE – 01-01-2005 to 31-12-2007

2. Sister Society Agreement between IETE & MTT – 2016 to 2020

3. Sister Society Agreement between IETE & COMSOC 2014 to 2017

4. With AICTE – 25-10-2018 to 24-10-2021

5. With IE(I) – 13-08-2015 to 31-07-2018 (2007 was not signed)

6. Hope Foundation & Shri Prahalad Chhabaria Awards – 22-11-2020 to 01-11-2022.

Validity of all MOUs is over & need to be renewed.

India Council flagship Events

* 1976 onwards IC was organising Annual Conference & Exhibition jointly with one of the Sections, called ACE. It was renamed as INDICON and first INDICON was held at IIT, Kharagpur in 2004. Today INDICON has become a world class Conference.

* Council always held Student Congress every year. Stature of this had been growing year after year. From All India Student Congress, it became All India Student and Young Professional Congress (SYP) in 2015, then SYW (Student, Young Professional and Women in Engineering) Congress in 2016 and for last 3 years it is All India SYWL (Student, Young Professional, Women in Engineering and Life Member) Congress starting in year 2019. Last AI SYWL Congress held at Pune was on pattern of R10 SYWL Congress.

* Recently Council had introduced another Conference known as INDISCON and is being held during first half of the year.

Educational Activities

Dr. Prerna Gaur
Vice Chair

A talk was on Harnessing AI for Healthcare was organised at 11 am on 24th April'23 at West Campus of Netaji Subhas University of Technology under IEEE India Council and Delhi Section Education Activity under hybrid mode that was very well attended by 90 IEEE and non IEEE members, Faculty and students in physical mode.

Three hours session on Accreditation Process In India was organised at 2:45 pm on 25th May'23 at Netaji Subhas University of Technology under IEEE India Council and Delhi Section Education Activity under hybrid mode that was very well attended by 90 IEEE and non IEEE members in physical mode and 30 members in online mode. Welcome address was given by Prof J P Saini, Vice Chancellor, NSUT, Prof Debabrata Das, Chair, IEEE India Council presented Accreditation under IEEE EA activity, Prof Leon Le, Chair, Education activities R10Education activities under IEEE Region 10 and after that IEEE Vice President, Member and Geographic activities, Shri Deepak Mathur addressed the gathering enlightening the gathering with initiatives on EA under IEEE, Vote of Thank was presented by Prof Prerna Gaur, Vice Chair, Education activities R10, India Council and Delhi Section.

Keynote session was presented by Dr Preeti Bajaj, Vice Chancellor and IEEE R10 VP, Member activities at (online mode)

After that a fruitful Session was conducted by Prof SaikatMaitra, Former Vice Chancellor (Hybrid Mode)
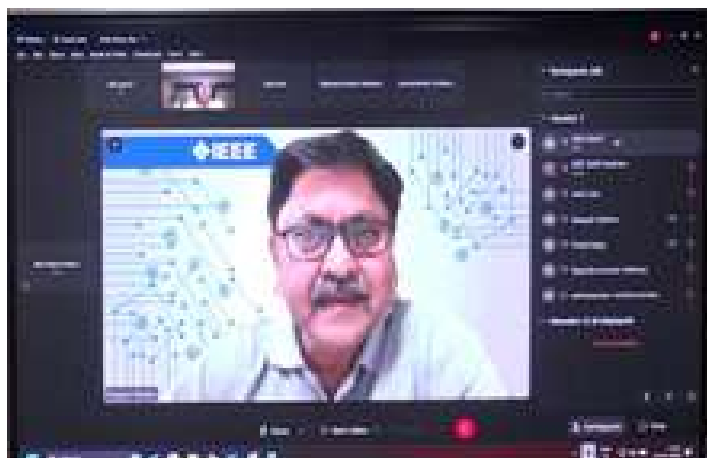
On the 9th June 2023 at 11 am, a session on preparation of NAAC, by Prof. Buta Singh, Hon'ble Vice Chancellor, PTU, Bhatinda was conductedunder IEEE India Council and Delhi Section Education Activities in online mode that was attended by more than 200 IEEE members and non-members including NSUT faculty and staff members.IQAC Director of PTU Bhatinda took Q&A round after the talk by Prof. Buta Singh.

It is in fact a part of the function of education to help us escape, not from our own time - for we are bound by that - but from the intellectual and emotional limitations of our time'.

T. S. Eliot

Ms Sadhana Attavar
Vice Chair

Humanitarian Technologies Activities

During 2023 Humanitarian Technology Activates of IEEE India council is primarily focusing on the launch of 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.

Formation of MOVE India Committee for 2023

MOVE India committee was formed with volunteers from various sections of IEEE India Council.The first meeting of MOVE India volunteers was held online on 18th March 2023 at 8 pm.

1. Technology
2. Education
3. PR (Public Relations)

Plan for MOVE Outreach India for 2023

 IEEE MOVE Outreach India under the IEEE India Council Chair Prof.Debabrata Das andMs.SadhanaAttavar Vice Chair HTA has the following plan for 2023.

1. Conducting Disaster Awareness Training programme for school students and target 100 schools across India.

2. Design of STEM kits on Climate Change and Sustainability for STEM Awareness training Programme

3. Conducting Disaster Awareness workshop for school students in partnership with Visvesvarya

Museum, Bangalore.

4. Partnership with KSDMA (Karnataka State Disaster Management Agency)

5. Launch of Mini MOVE Truck with Technology support to address Floods, drought and Earthquake.

6. Hackathon to be held to get technological solutions for addressing floods, drought and earthquake.

Disaster Awareness Training Program in Chennai

1. On 9th February 2023 Disaster awareness training program was organised for 80 school students from KRM PUBLIC SCHOOL, Perambur, Chennai, TamilNadu by 10 volunteers from Sri Ram College Chennai, Tamil Nadu

2. On 26th February 2023 Disaster awareness training program was organised for 50 government school students from Government Girls Girls Higher Secondary School Kundrathur, Chennai, Tamil Nadu by 4 volunteers from Sri Ram College Chennai, Tamil Nadu

Disaster Awareness and Climate and Sustainability workshop in partnership with VITM Bangalore

Three-day workshop was conducted during May 15-17 2023 in collaboration with Visvesvaraya Industrial and Technological Museum Bangalore. 33 school students from 6-7 schools attended the Disaster awareness, Climate Change and Sustainability workshop for

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three days facilitated by a resource person. The camp was conducted for 3 days, 3 hours each day at Visvesvaraya Industrial and Technological Museum Bangalore.

MOVE A THON

IEEE MOVE Outreach India is organising MOVE A THON which is an ideathon for Technologies for mitigating natural disasters for a sustainable future. The aim and objective of this ideathon is to invite ideas from students and young professionals for providing such immediate relief in the face of natural disasters that India is particularly prone to – floods, cyclones, droughts, earthquakes and landslides.

Partnership with KSDMA (Karnataka State Disaster Management Agency)

- Initiated communication with NDRF, NDRM and KSDMA to finalize the deployment partner for IEEE MOVE India Outreach

- On 24th February 2023 Met Principal Secretary who is heading KSDMA(Karnataka State Disaster Management Agency) to discuss opportunity for partnership in Karnataka

- On 14th MARCH 2023 had Virtual call with KSDMA Commissioner and the team to explore partnership for IEEE MOVE India Outreach

STEM kits on Climate Change and Sustainability

Action taken to develop/procure STEM kits on climate change and Sustainability. 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.

Portable Mobile chargers for MOVE Truck

Action being taken to develop solar powered portable mobile chargers for use in MOVE Truck.Portable Emergency Solar Mobile Charger (PE-SMC) for IEEE MOVE INDIA is a compact, reliable, and life-saving

IEEE MOVE INDIA

presents

🌍 **MOVE-A-THON** 2023

Technologies for Mitigating Natural Disaster for a Sustainable Future!

supported by

IEEE INDIA COUNCIL

FLOODS

CYCLONES

EARTHQUAKES AND LANDSLIDES

DROUGHTS

OPEN IDEAS

Themes

The open ideas should solve a challenge that is aligned with at least one of the disaster or address one of the phases of disaster life cycle – mitigation, preparedness, response, recovery.

Prizes

INR 25,000 Winning Team

INR 10,000 1st Runner Up

INR 5,000 2nd Runner Up

Participation certificates shall be awarded for all the complete submissions.

Eligibility Criteria

- Open for participants across India
- Maximum 4 members per team
- The competition is open to all undergraduate students, post graduate students, young professionals

Call for registration opens 12th June 2023

For registration scan the QR code or clink on the link given below:
https://challenges.hackworks.com/event/move-a-thon

Last date to register : 15th July 2023

solution which can be easily deployed in disaster-stricken areas, enabling vital communication. The proposed system will consist of a 10W solar panel, a 5m long cable, indigenously built circuit consisting of a buck converter with robust protection features - which will be encased in a water tight enclosure.

Launch of Mini MOVE Truck

Design and Development of Vehicle, Vehicle interiors and other fabrication for vehicle to accommodate various communication and power equipment along with budgetary estimate was submitted IEEE MOVE USA for funding.

Reported by
Dattatray Sawant

Student Activities

IEEE Bombay Section's Student, Young Professionals, Women-In-Engineering And Life Member Congress 2023 (IB-SYWLC 2023) was a three-day event from June 23–25, 2023, with more than 250 attendees from the IEEE Bombay Section's geographic area. 15 famous speakers were invited to inspire and educate the students. They shared their knowledge and experiences through workshops, sessions, and presentations. The congress's central theme was "Envisage, Engineer, Enlighten, Empower.",

Participants could engage in cultural activities, enjoy a lively DJ night, participate in sports events, savor a gala lunch, and embark on an industrial visit. These activities added fun and relaxation to the congress, allowing attendees to balance their technical learning with enjoyable experiences.

On day 1, The registration for IB-SYWLC 2023 commenced. the inauguration ceremony marked the commencement of IB-SYWLC 2023, setting the tone for an engaging and impactful event. The inauguration function served as a great beginning to IB-SYWLC 2023. There were 2 'Plenary Talks' and 2 'Parallel Sessions'. The 'Parallel Sessions' were conducted in four tracks: Student Track, WiE Track, Young Professional (YP) Track, and Branch Counselor Track.

On day 2, the event commenced with an invigorating. Participants had the opportunity to choose between a dynamic Zumba session and a peaceful Yoga session, both held simultaneously. There was a 'Parallel Session' along with the 'Plenary Talk III'. Parallel sessions commenced offering diverse topics and engaging speakers in each track. In. the 'Plenary Talk III', the students attended the seminar following which they embarked on a field trip and industrial visit. The field trip took them to the holy place and the industrial visit included Sugar Factory and Dairy. The Cultural Night commenced by featuring a variety of cultural performances by participants.

Day 3, commenced with the rejuvenating yoga and Zumba session. In the 'Parallel Sessions' three informative tracks catered to different interests and objectives.

The valedictory session commenced marking the conclusion of IB-SYWLC 2023 with the participation of 250+ students. The session also included the announcement of awards for the IEEE Bombay Section, recognizing exceptional contributions. Thus, the event concluded on a high note, with participants dispersing after a memorable and enriching experience.

The participants' knowledge and abilities were increased through talks by renowned speakers.

IB-SYWLC 2023 contributed to the overall purpose of IEEE by encouraging learning, inspiration, and empowerment among its participants. The event enabled networking opportunities and fostered collaboration among students, young professionals, women in engineering, and branch counselors.

Inauguation

Validetory

The Team

The Participants

Membership Development Committee (MDC)

Dr. Rajashree Jain
Vice Chair

Under the Guidance and Vision shared by Prof. Debabrata Das, Hon. Chair, IEEE India Council, the Membership Development Committee has prepared a plan of action and the present report covers the progress so far.

Focus

To support Member Recruitment and Retention

Member Statistics as on June 30, 2023

IEEE India Council is the umbrella organization which coordinates IEEE activities in India. Its primary aim is to assist and coordinate the activities of local "Sections", in order to benefit mutually, and avoid duplication of effort and resources. In India, we have 13 IEEE sections with a membership count as on 30 June 2023, at 64916.

Table 1 describes the distribution of the count across sections and also across grades.

Table 1 IEEE India Council Member Count as on 30 June 2023

Table 1 IEEE India Council Member Count as on 30 June 2023			
Section Wise Count		Member -Grade Wise Count	
Section Name	Count of IEEE Members	Row Labels	Count of IEEE Members

Section	Count	Grade	Count
Bangalore Section	11915	Affiliate	110
Bombay Section	3873	Associate Member	316
Delhi Section	5974	Fellow	54
Gujarat Section	1492	Graduate Student Member	5836
Hyderabad Section	7870	Honorary Member	1
Kerala Section	10748	Individual	11
Kharagpur Section	401	Life Fellow	29
Kolkata Section	3911	Life Member	35
Madhya Pradesh Section	1319	Life Senior	189
Madras Section	9702	Member	12082
Pune Section	1651	SA Member	12
Uttar Pradesh Section	4120	Senior Member	5114
Vizag Bay Section	1940	Student Member	41127
Grand Total	64916	Grand Total	64916

MDC - Subcommittee formation:

A call for volunteers for the IC MDC was released on 23 June 2023 with last date for application as 27 June 2023. We received about 468 applications with 2 as the minimum from Khragpur section and 104 as the maximum from Madras secction. A three phase selction process was used. First the category

wise requirement, Member, Student member, YP, WIE, etc. Second was the section represnetaion. The last but most important was to request recommendation from the section chair. The team is awating few more recommnedations from the sections. In phase 1, MDC team of 12 members, with IEEE Kerala, Hyderabad , Kharagpur and Pune has been formed.

MDC, Council and Section MD officer Meet

A meeting was held on 8 July 2023, in an online on WebEx platform.

IC ExCom member including section chairs and Section MD chairs were invited for the meeting with the newly formed IC MDC team. The main agenda was to share IC Vision for MD from Dr. Das, Chairman, IEEE India Council. The IC Chair, Prof. Debabrata Das, delivered an address outlining the vision and goals of the MDC for the year 2023. The chairperson provided insights into the strategic direction of the MDC and emphasized the importance of collective efforts in realizing the vision. Drawing from his extensive experience and expertise, Mr. Das shared best practices and strategies to facilitate the development of IC members. He discussed the importance of continuous learning, skill enhancement, and professional growth.

He also emphasized the significance of being an IEEE (Institute of Electrical and Electronics Engineers) member and the role of IC members in contributing to society. Mr. Das highlighted that being an IEEE member goes beyond just the prestige associated with the organization. He emphasized that as members, we have a responsibility to give back to the community and contribute to the advancement of technology for the betterment of the human ecosystem.

Furthermore, Mr. Das discussed the benefits of being an IEEE member, including networking opportunities, lifetime learning, and value addition to professional growth. He shared personal experiences where he has greatly benefited from being an active member of IEEE and emphasized the importance of seizing the opportunities available through the organization.

Mr. Das also stressed the importance of utilizing the resources and platforms provided by IEEE to enhance technical knowledge, engage in collaborations, and stay updated with the latest trends and advancements in the industry. He encouraged IC members to actively participate in IEEE events, conferences, and technical sessions to broaden their perspectives and gain insights from fellow professionals.

He urged IC members to leverage the resources and educational opportunities offered by IEEE to enhance their own expertise and contribute more effectively to the MDC's objectives.

In an effort to foster collaboration and teamwork, each participant had an opportunity to introduce themselves and provide a brief overview of their roles and responsibilities within the MDC. This session aimed to enhance communication and build familiarity among team members. Participants shared their professional backgrounds, areas of expertise, and their expectations from their involvement in the MDC. This exercise facilitated networking and enabled participants to understand the diverse skill sets present within the team.

The meeting marked the official launch of the MDC plan for 2023.

Plan of Activities - IC MDC 2023

Dr. Rajashree Jain, Vice chair, presented an overview of the plan, highlighting key initiatives, milestones, and timelines. The objectives and strategies outlined in the plan were discussed in detail, and participants were encouraged to actively contribute towards its successful implementation. She introduced and shared a tripod framework based on Awareness-Opportunity- Connection would be used in shaping MD activities for the year 2023. The timeline and highlights of the planned initiatives are:

1. Disseminate Membership benefit bulletins regularly to Council members

2. Organize Member Benefit seminars in association with IC SAC, YP and WiE and possible association with section

3. Plan MD track, MD Booth during AISYWLC, INDICON, INDISCON 2023 and

4. IEEE Membership elevation support

It was also resolved to make MD session mandatory for any IC Co-sponsored initiative of longer duration like a full day or more.

Dr. Mahammad Kasim, Chair, IEEE Kerala Section, Dr. Vijaylata, Chair, IEEE Hyderabad section and Treasurer, India Council, Dr. Preeti Ramdasi, Vice Chair, MD Pune Section, Dr. Jasdeep D, MDC, IEEE Delhi Section, Dr. Jyoti, Chair, MDC, IEEE Kerala Section also shared the best practices adopted at their respective sections.

The meeting concluded with a vote of thanks extended by Mr. Sabarinath Pillai, Secretary, IEEE India Council. He expressed appreciation for the productive discussions, valuable insights shared by the participants, and the chair's leadership in guiding the meeting. A note of gratitude was also extended to the organizing team for coordinating the online meeting smoothly. Mr. Pillai highlighted the importance of establishing a strong connection between section heads and IEEE members.

His remarks shed light on the significance of effective communication and collaboration within the organization.

By emphasizing the need for a strong connect between section heads and IEEE members, Mr. Pillai has brought attention to the vital role that effective networking and engagement play in fostering a thriving IEEE community.

The meeting fostered team unity and collaboration, setting a positive tone for future activities.

Glimpses of Screen Capture during the meeting

Report prepared on behalf of MDC 2023 by:

Dr. Rajashree Jain, Vice Chair, Membership Development, IEEE India Council 2023 & **Ms. Jayashri Ghorpade**, Member, IC MDC 2023.

Glimpses of Screen Capture during the meeting

Branding & Membership Benefits

Dr.Lakshinarayana Sadasivuni
Vice Chair

Foundation Day Celebrations of India Council

IEEE India Council Day Celebrations were organized on 17th April 2023 virtually. All the thirteen Section chairs/representatives were present. Prof:Debabrata Das, Chair India Council gave opening remarks and briefed about the concept and mission of the Foundation Day Celebrations. Sri. Deepak Mathur, Vice President MGA (Elect) was the Guest of Honor for this event, who has congratulated India Council for such inspiring event. Prof: Lance Fung, Director IEEE R10 addressed virtually and mentioned the Volunteers' ethics and participation in the professional societies. Prof: S. Rahman, President IEEE was the Chief Guest and spoke on the Volunteers role in Climate and Global environment and narrated the necessities and model adopted by IEEE in this context. Dr. S. Lakshminarayana, Vice Chair of Branding and Members Benefit informed to all Chairs to plan and organize one event in their section geographical area to mark the foundation day celebrations of India Council. He informed the members about the detailed journey of India Council and Vizag Bay Section. He elaborated the methods adopted to get participation from Steel, port and stevedoring industries. Dr. K.R. Suresh Nair, delivered the theme talk on "Role of Branding for a professional society". Prof:ShivajiChakravarthi, Advisor IEEE IC and Sri R.K. Asthana, Ombudsman, IEEE IC addressed the participants and informed the objectives behind the Foundation day and appreciated the organizers for initiation of such innovative ideas.

Dr.Aloknath De, Chair Bangalore section informed the origin, growth and activities of the section. Anand Suhas Gharpure, Chair Bombay section informed about the formation on carving of Hyderabad and Pune Sections 1984 and 1990 respectively. The achievements of Bombay section were highlighted by the Chair Anand S Gharpure. Dr. Abdul Q Ansari Delhi Section Chair, Dr. Kiran Amin, Gujarat Section Chair, Prof. Muhammed Kasim Kerala Section Chair, Khargapur Section Chair nominee Aditya Kameswara Rao, Kolkatta Section Chair ItiShaMisra, Madras section Chair Dr. K. Porkumaran, Pune Section Chair DrSurekha Deshmukh participated and briefed their section notable activities of the past decade. Most of the Vice-Chairs graced the event and spoke about the activities of the India Council. All the sections organized an associate event in that week to mark the India Council Foundation Day Celebrations. Sri. Sabarinath complied and briefed the Foundation event activities and delivered vote of thanks to all the participants.

Industry Academia Collaboration

Dr. John Jose
Vice Chair

IEEE-India Council Industry Academia Young Professionals Sub Committee (IAYPSC) – 2023 was formed under the joint leadership of Dr. John Jose and Mr. Shahim Baker the IEEE IC Vice-Chairs for Industry Academia Collaboration and Young Professionals, respectively. The team consists of nominated professional members as well as student members from various sections of IEEE-India Council. IAYPSC is a dedicated body formed under the IC, focusing on bridging the gap between industry and academia for young professionals, students, and faculty members. IAYPSC aims to provide numerous opportunities for collaboration, skill development, and career enhancement, catering to the diverse needs of its members across the country. This year, IAYPSC has outlined an ambitious plan to conduct a series of events and initiatives that foster a strong connection between the industrial sector and academic institutions. These activities include:

1. Organizing few IEEE India Council Regional Industry-Academia Conclaves across the nation, bringing together industry experts, academicians, and young professionals for meaningful discussions and networking opportunities.

2. Assigning industry mentors to students and academic mentors to young faculty, encouraging knowledge exchange and professional growth.

3. Streamlining internships under IEEE to provide valuable hands-on experience for students and young professionals in their respective fields.

4. Exploring the possibility of hosting job fairs in collaboration with Sections and Industry partners, offering employment opportunities to IEEE members.

5. Launching certification courses aimed at increasing the employability of IEEE student volunteers and Young Professionals.

6. Arranging visits from industry personnel to academic campuses for invited talks, training workshops, and summer and winter schools, enhancing the skillset and employability of students.

7. Creating a pool of industry volunteers who can share best practices and valuable insights with young professionals and engineering graduates.

8. Facilitating Memorandums of Understanding and Memorandums of Cooperation with interested universities and industry houses to establish long-term partnerships.

9. Exploring the Professor of Practice policy of AICTE with support from Industry experts, aiming to bring practical knowledge and industry experience into academia.

10. Acting as a central hub to support sections in fostering Industry-Academia collaboration activities, promoting innovation, and driving economic development.

IAYPSC is committed to nurturing the next generation

of engineers, researchers, and professionals by creating an ecosystem that fosters learning, innovation, and collaboration in the IEEE Indian fraternity.

Activities done:

CDAC Trivandrum in association with IEEE India Council is organizing a series of hands on workshop on VEGA processor ecosystem with the help of local collaboration with various IEEE Sections, Subsections and Local Chapters. Two such events were done so far in this year and many are planned in subsequent months. 2 days hands on workshop on VEGA processor Ecosystem was done by Guwahati Subsection on April 14 and 15 at IIT Guwahati. 2 days hands on workshop on VEGA processor Ecosystem was done by Kolkata Section on April 17 and 18 at Jadavpur University, Kolkata.

IEEE India Council is associating with IBM India Ltd in organizing a mentoring program for women with the support of professionals from IBM. They are also kick-starting IEEE-IBM lecture series both in online and offline forms. The talks will start from June 2023 in various IEEE chapters and student branches in collaboration with respective sections.

Strengthening the Bridge between Academic and the Industry through the Academia-Industry Collaboration is the need of the day.

Integrating the existing knowledge in the study, there are different methods or approaches serve the purpose of implementing those processes effectively. Here you can see you can see a strategic planning structure for communication between academia and industries.
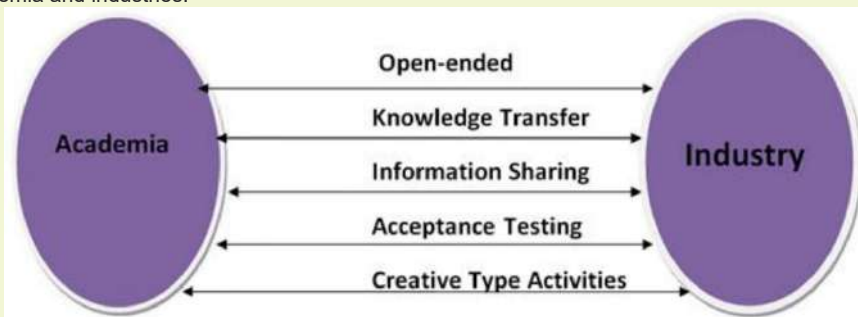
Also, **a figure showing the** role of students, industry, and academia.
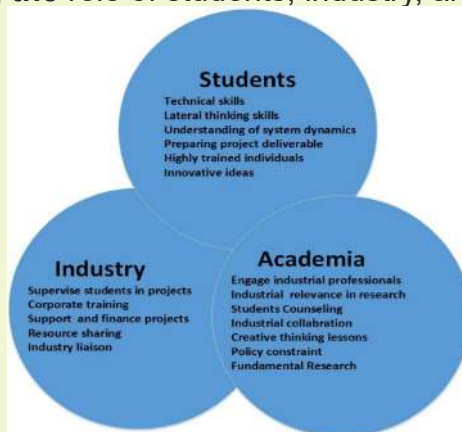
Er. Koruthu P
Varughese
LMAG Coordinator

Life Member Affinity Group

Greetings to all our IEEE Life Members!

IEEE "Life" status is an automatic process which is based on an individual's membership record. Our members are Technology influencers, pioneers, and valuable partners – sharing over decades of experience with the next generation innovators.

Thanks to India council Chair and the team in having confidence in me and given the responsibility to coordinate all Life Members in India and to initiate LMAG activities in India.

Initially an action plan was prepared to organise monthly webinar series on the Thursday of last week in every month from 07:00 pm to 08:30pm under the title"LMAG India webinar series". Thanks to all LMAG sections for accepting the schedule prepared for the webinar and arranging very eminent speakers on relevant topics without fail. I hope the same tempo will continue in future also. The improvement in the number of participants in the webinar is overwhelming and is an indication the acceptance of the seriesvery positively by all sections.

IEEE LMAG INDIA online Webinar Series #7
27th April 2023 (Thursday) - 7:00pm to 8:30pm (IST)

Organised by:- IEEE India Council, IEEE Kerala Section & LMAG Hyderabad Section.

All are invited to Join

Speaker –
Prof. R. Balasubramanian,
Retired NTPC Chair Professor IIT Delhi
IEEE Hyderabad Section Founding Chair LMAG

Topic –
Emerging Trends in Smart Power Systems Operation

Time:-
07:00pm to 07:30pm
Interaction between members and Discussion
07:30pm to 08:30pm - LMAG Talk

Texas bluebonnet
Muleshoe Bend Recreation Area

Please mark in your calendar
Link will be sent later.

For details contact:-
Er. Koruthu P Varughese
LMAG India Coordinator
Email – koruthu@ieee.org
Phone: 8714804819

IEEE Life Membership is an official recognition of a strong and sustained commitment to IEEE

Requests from the members are received to form LMAG India council is an innovative and inventive idea especiallyfor the benefits of Life members where there is no LMAG due to insufficient life members in their section. This is under thoughtful consideration and a petition is being initiated tosubmithigher authorities with the concurrence of sufficientlife members at the earliest.

Obviously, I am sure that our life members will get together with spouses and can participate in all our programs regularly. Also together with them we could organise new initiatives like education excursions, mentoring students, organising National Conferences with other OUs to improve our community.

A list of activities conducted under the auspices of LMAG under IC from April to Jun 2023 is given below:

1. Online Webinar # 7 organized on Thursday 27th April 2023. - 07:00pm to 8:30pm (IST) by Prof. R. Balasubramanian,Retired NTPC Chair Professor IIT Delhi and Founding Chair LMAG IEEE Hyderabad Section on topic:Emerging Trends in Smart Power Systems Operation

Biosketch of Prof. R. Balasubramanian

Dr. R. Balasubramanian obtained his Ph.D. degree from IIT Kanpur. After serving in B.H.E.L. Projects Engineering Division, New Delhi during 1975-79, he joined IIT Delhi in the Centre for Energy Studies, where he occupied various positions and retired as a Senior Professor in 2012. He served as NTPC Chair Professor (Elect. Engg.) at IIT Delhi for over 10 years. He has executed successfully some major consultancy/sponsored research projects for organizations such as NTPC (R&D), BHEL, EasunReyrolles, Siemens, Wartsila, World Bank, MNRES and CBI &P.He has guided 20 Ph.D. Theses at IIT Delhi and published over 150 research papers in various International Journals & Conferences of repute.He served as the Chair of the IEEE Delhi Section during the years 2000 & 2001. He was the chair of the IEEE Hyderabad PES/IAS/PELS Joint Chapter during 2014-2015 and as the Founding Chair of IEEE LMAG Hyderabad Section during 2019 & 2020.

Abstract:

In this webinar some of the salient features of the evolving

some of their operational aspects are to be presented.

First, the components and functions of a Modern Smart Power System are described.

Second, the two major Wind Power Generator Technologies viz DFIG and PMSG and the structure and functioning of an offshore and an onshore windfarms configured as a Multi-Terminal DC Grid interconnected with an AC Power Grid and its Hierarchical Control are described.Third, one of the major technologies that is increasingly being pursued viz "Wide Area Monitoring and Control of interconnected Power Systems" by setting up a network of Phasor Measurement Units (PMU's)" and Effective Control of the system are presented. Finally, the way the PMU Measurements are utilized for performing an effective Dynamic Optimal Power Flow Control of the interconnected system under fluctuating Wind and System Load Conditions are described.

2. Online Webinar organized on Thursday 25thMay 2023 - 07:00pm to 08:30pm (IST)byProf. JuzerVasi, Professor Emeritus, Indian Institute of Technology Bombay. On topic: Current Status of Deployment and Manufacturing of Solar Photovoltaics in India

Biosketch of Prof.JuzerVasi

JuzerVasi is Professor Emeritus at the Indian Institute of Technology Bombay. After completing his B.Tech. from IIT Bombay and Ph.D. from The Johns Hopkins University, he taught at Johns Hopkins and IIT Delhi before moving to IIT Bombay. He worked in the area of microelctronics for over 35 years before shifting to photovoltaics (PV) and solar energy in 2010. He set up the National Centre for Photovoltaic Research and Education (NCPRE) at IIT Bombay in 2010, and continues his association with the Centre. He was also the Research Thrust Leader for PV for the India-US multi-institution project 'Solar Energy Research Institute for India and the US' (SERIIUS) from 2012 to 2018. He has been Chair of IEEE Bombay Section, IEEE AP/ED Bombay Chapter, IEEE Bombay Section LMAG, and IEEE Photovoltaics Technical Committee. He was Editor of IEEE Transactions on Electron Devices, and is currently a member of the Steering Committee of IEEE

Journal of Photovoltaics. He is a Life Fellow of IEEE, a Fellow of INAE and recipient of the Lifetime Achievement Awards from IIT Bombay as well as INAE.

Abstract

India has an ambitious renewable energy programme, with a goal of reaching 300 GW of solar photovoltaics (PV) deployment by 2030. Most of the current deployment of 65 GW has used Chinese solar panels. Recognizing the risk in terms of energy security, the Government announced a slew of incentives in 2021 for solar manufacturing in India. This has met with enthusiastic response, and many companies have embarked on manufacturing across the value chain from polysilicon to modules. Within a few years, India will be one of the top 3 countries in terms of solar deployment as well as manufacturing. The developments in India are being keenly watched across the globe, as the world makes a transition from fossil-fuel-based to renewable energy. This talk will describe the current status of solar PV deployment and manufacturing in India.

3. Online Webinar organized on Thursday 258h June 2023 - 07:00pm to 08:30pm (IST) by Dr. Sriram JayasimhaChief Scientist Commercial Applications at AST SpaceMobile Inc. On topic:"Global mobile communication using LEO satellites"

Brief Bio:

SriramJayasimha is Chief Scientist – Commercial Payload at AST-SpaceMobile and brings a 35-year successful track record of IP creation and product design for the global telecommunications markets. He has authored 42 peer-reviewed journal and conference publications in an array of digital-signal-processing applications, Including: mobility, satellite communications, modem, VLSI and instrumentation signal processing. A named inventor of unique 28 U.S. patents (also protected by corresponding European, Japanese and Korean patents), Sriram was a fellow of the Center of Advanced Engineering Study at Massachusetts Institute of Technology (MIT). He earned his B.Tech and M.S. degrees in electrical engineering from the Indian Institute of Technology, Madras and Rensselaer Polytechnic Institute.

Abstract

AST SpaceMobile was founded over 5 years ago with the vision to enable an increasingly interconnected global society. Only a small fraction of the Earth's surface has cellular coverage. Billions of people in remote areas have no internet access - a space-based cellular broadband network would transform their access to information, education, health care and financial/ market access inclusion.

Partnering with cellular providers (or Mobile Network Operators, MNOs) globally (for both cellular spectrum and market access) facilitates the goal of providing broadband mobile internet access globally. Owned infrastructure include a constellation of large aperture satellites, consisting of phased-array antennas (to electronically form, steer, and steer wireless 4G and 5G beams to/from cells of coverage) and ground station gateways.

Headquartered in Midland, Texas, AST SpaceMobile utilizes state-of-the-art machinery to fabricate and test its satellites in 400,000 sq. ft. cleanroom facilities. SriramJayasimha will describe the vision, technology and architecture in a 45-minute talk.

In conclusion, let me take this opportunity to thank each one of you, especially those who worked behind in honouring me by awarding two noble awards this year.

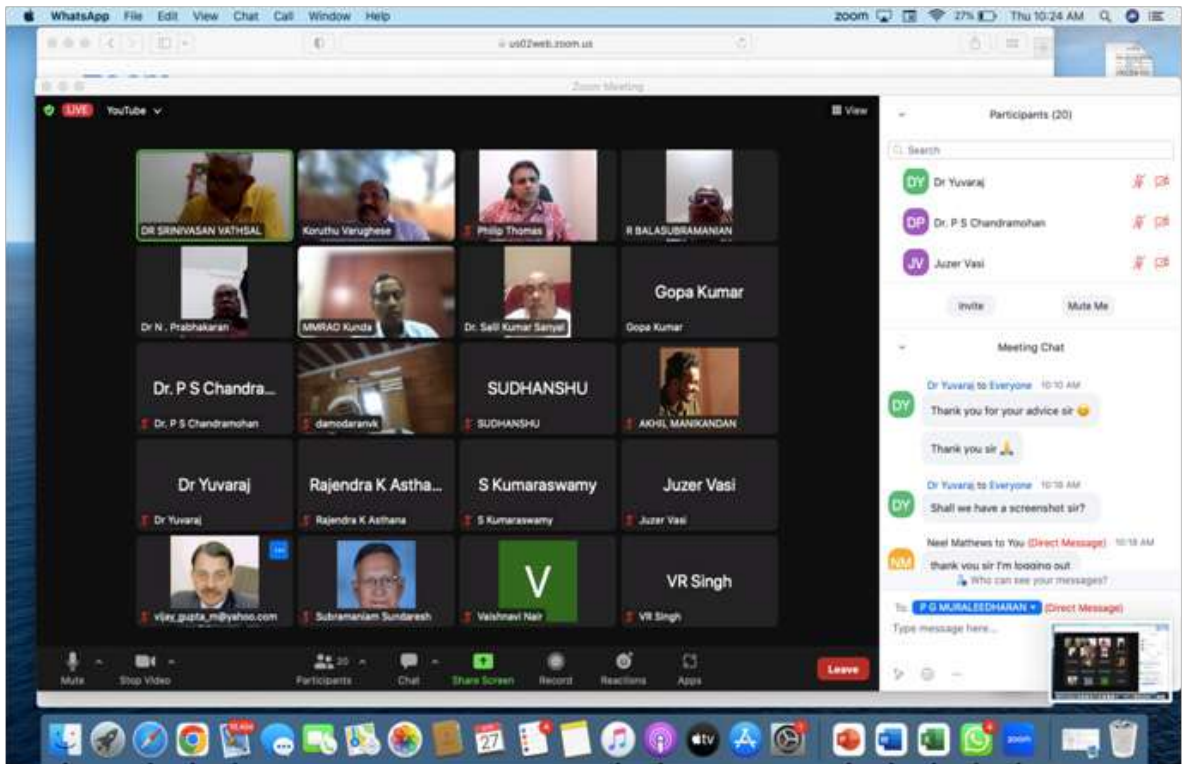1. **Regional individual LM service award 2023**

2. **Global individual LM service award 2023.**

Similarly, I request all to get ready to attend the first-ever IEEE Life Members Conference which will be held 14 -16 April 2024 in Austin, Texas, USA.

Thanking you all,

Koruthu P Varughese

LMG India Coordinator.

Young Professionals

Er. Shahim Baker
Vice Chair

'Empowering Young Professionals'

The "Empowering Young Professionals" event, held on May 27, stands as a remarkable testament to the commitment of the IEEE Delhi Section Young Professional Affinity Group, with invaluable resource support from IEEE India Council YP. Adopting a Hybrid format, the event seamlessly blended online and offline experiences, with the esteemed BhartiyaVidhyaPeeth University serving as the captivating offline venue.

Mr. Ansari, Chair of the IEEE Delhi Section, and Mr. Shahim Baker, Vice Chair (YP) of India Council, delivered captivating speeches and shared their invaluable insights. This gathering served as a unifying force, drawing together young professionals from diverse backgrounds. Participants eagerly engaged in a wide array of activities, encompassing insightful discussions, interactive workshops, and valuable networking opportunities. The event's overarching goal was to create a platform that fosters learning, collaboration, and empowerment, thereby advancing the growth and development of young professionals in the region.

YP Track in IB-SYWLC at Sangli, Maharashtra

From the 23rd to the 24th of June 2023, the IEEE Bombay Section organizedits Student-Young Professional-WIE-LMAG Conference. This remarkable gathering took place at AnnasahebDange College of Engineering and Technology in Ashta. The IEEE India Council YP collaborated with the YP Track of the conference, enhancing its impact and reach.

The YP Track offered a diverse range of sessions, providing attendees with invaluable insights and practical knowledge. Dr. Nikhil Gala, Chairperson of Corporate Relations & Placements at MPSTME NMIMS University, delivered a captivating session titled "How to Build Your CV - Stay Ahead of the Curve," equipping participants with essential skills for professional success. Shahim Baker, Vice Chair (YP) of IEEE India Council, skillfully moderated a thought-provoking discussion session on "Exploring Social Projects for Young Professionals," encouraging attendees to make a positive impact on society.

The technology lecture on "IoT for Common Man - Possibilities & Challenges" by Shahim Baker, CEO of Baker & Grey, shed light on the immense potential of IoT and the hurdles that come with its implementation. Dr. Gulab Singh, an esteemed IEEE GRSS Distinguished Lecturer from IIT Bombay, conducted a hands-on training session on remote sensing data processing, offering participants an opportunity to enhance their technical expertise.

Adding to the enriching experience, the conference also organized industrial visits to a sugar factory and a dairy industry, providing valuable insights into real-

world operations. The event ensured a well-rounded experience, featuring a vibrant cultural night, an engaging sports evening, and numerous avenues for networking.

The event's success can be attributed to the meticulous organization and dedication of the YPs of the IEEE Bombay Section. Their unwavering commitment to delivering an exceptional conference experience deserves commendation. This event truly epitomized the spirit of collaboration, learning, and growth, leaving an indelible mark on all those who were fortunate enough to attend.

IC YP Leadership Summit:

We are thrilled to share the exciting news of the upcoming All India Young Professional Leadership Summit, set to take place in August. This highly anticipated event is a joint endeavour by IEEE India Council and various sections across the country, ensuring a truly collaborative and enriching experience.

Mr. Aditya Kameswara Rao Nandula, Chair of the YPAG in the Kharagpur Section, will be leading the organising committee for this year's summit. The captivating state of West Bengal has been chosen as the perfect setting for this prestigious gathering. Known for its vibrant culture and rich heritage, West Bengal will provide an inspiring backdrop to fuel meaningful discussions and networking opportunities.

A comprehensive e-notice will be circulated soon, unveiling all the details you need to know.

Research Forum for YP

Introducing the Research Forum for Young Researchers—an innovative platform to connect and empower young researchers in our country. The first event is scheduled for August 19th-20th in an online format. This forum brings together researchers from diverse institutes and industries, fostering collaboration and peer support. Mentorship sessions by seasoned researchers and industry-research collaboration sessions offer invaluable guidance and real-world insights. Join us in this catalyst for innovation, where young professionals can make meaningful contributions to research and beyond. Look out for the comprehensive e-notice for further details soon.

Career Path Discovery Series

In collaboration with the YP AG of Pune Section, IEEE IC Young Professionals AG is excited to announce the launch of a career talk series called "Career Path Discovery." Building on the success of this series in Pune Section, IC YP is partnering with Pune Section to take this event to a national level. The series will feature speakers from diverse professional fields within IEEE who have successfully explored different career paths and discovered their true passions. Stay tuned for this inspiring series that will provide valuable insights into navigating career choices and finding your own path to success.

Women in Engineering

Dr. Sudeshna Choudury
Vice Chair

A successful sustainable ecosystem is a possibility only when we have partnership and collaboration between all stakeholders across academics, business, civil societies and organisations. The first session on the Net Zero awareness series that was launched in IEEE Kolkata Section along with IEEE PES Kolkata Chapter and WIE India Council in collaboration with Center for Global Affairs and Public Policies had representations across the ecosystem.

The IEEE Kolkata Section SIGHT Group hosted its first in-person event on May 31, 2023, on "Humanitarian Technology for Sustainable Development" along with IEEE Kolkata Section. I was honoured to be one of the speakers along with Prof. Iti Saha Misra, Prof. Jawad Y. Siddiqui and Dr. Susanta Ray amidst nearly 200 participants. I spoke on Partnership for Sustainable Development and walked through the success story of Tata Consultancy Services ASI (Automated Sanitation Inspection) Solution.

Ongoing Collaboration

Partnership of IEEE Returning Mothers Conference (RMC) with Women in Data

Helped IEEE Quarter Tech Table Series in Industry Speaker Identification https://ieeeqt3.org

Advisory to IEEE India Philanthropy for creating the Proposal to promote Education and Women in Engineering Funded by Quest Global CSR

Commit participation in Aspire for Her | DigitALL Marathon through IEEE RMC

Speaker in IEEE WIE ILS 2023(August 2023) by WIE AG MP Section on "Climate and Sustainability"

Speaker in IEEE R10 HTC 2023(October 2023) on the theme -"Artificial Intelligence and Smart Technologies for Humanity"

Bangalore Section

Dr Aloknath De
Chair

BHTC 2023: Advancing Humanitarian Technology through a Conference

IEEE B-HTC 2023 was a premier annual cross-disciplinary conference that brought together technologists, engineers, scientists, investors, as well as representatives from NGOs, government, academia, and the industry. The conference aimed at promoting research and development on "Sustainable Development Goal 3: Good health and well-being" to ensure a healthy life and promote well-being at all ages. Before the pandemic, significant progress had been made in improving the health of millions of people. Substantial strides were made in increasing life expectancy and reducing some of the common killers associated with child and maternal mortality. However, more efforts were needed to fully eradicate a wide range of diseases and address many different persistent and emerging health issues.

B-HTC 2023 had plenary talks, keynote addresses by eminent experts, tutorials & workshops by domain experts, research paper presentations, events for Women in Engineering and Young Professionals, a session on entrepreneurship and innovation, and industry exhibits and booths.

B-HTC 2023 was held at JSS Medical College [JSS Academy of Higher Education and Research], Mysuru from 24th to 26th March 2023. It was announced with great pleasure that the IEEE Mysuru subsection and the Bangalore Section co-hosted this prestigious conference.

With excellent event in 2023, the 2024 B-HTC is commencing in Mangalore with theme SDG-14 Life under water.

CodXpress 2023: Unleashing Innovation in a Section-Level Hackathon

CodXpress 2023, a section-level hackathon, brought together bright minds and aspiring innovators within the organization. Participants formed teams and competed in a friendly yet challenging environment, solving real-world problems through innovative technological solutions. The hackathon focused on fostering creativity, collaboration, and critical thinking skills among the participants. Mentors and judges provided guidance and evaluated the projects based on their novelty, feasibility, and potential impact. CodXpress 2023 aimed to encourage a culture of innovation and entrepreneurship within the organization, empowering members to make a positive difference in society.

These recent events showcased the organization's commitment to fostering collaboration, promoting knowledge sharing, raising awareness, and providing enriching opportunities for its members. By organizing such events, the organization aimed to strengthen the bonds within its community, inspire personal and professional growth, and make a lasting impact in various domains.

IISC IEEE Summer School 2023: Enriching Educational Opportunities

The organization issued a call for applications for the upcoming EE (Electrical Engineering) Summer School 2023. The program aimed to provide participants with a unique opportunity to delve into the world of electrical engineering through immersive workshops, hands-on projects, and expert-led sessions. The IISC IEEE Summer School sought to equip aspiring engineers with the necessary skills, knowledge, and practical experience to excel in their field. The announcement encouraged interested individuals to submit their applications and seize the chance to enhance their educational journey. The current edition will be starting from July 3rd to 7th July of 2023. With 100+ registered participants an eventful learning experience is on the way.

Section Student Scholarship for Needy Students: Supporting Education and Empowering Individuals

The organization introduced the Section Student Scholarship program to provide financial assistance to needy students within the section. The scholarship aimed to support individuals who demonstrated exceptional academic potential but faced financial constraints in pursuing their education. Through this initiative, the

organization sought to create equal opportunities and empower deserving students to achieve their educational aspirations. The scholarship application process involved assessing candidates based on their academic achievements, financial need, and potential for future success. By offering this scholarship, the organization aimed to make a positive impact on the lives of students, enabling them to access quality education and unlock their full potential. 30 th students have been identified under this program and will be awarded Rs. 10,000 each. The students were selected across the 3 subsection a total of 140+ students applied for the program.

World Environment Day Celebration: Spreading Awareness through News Trail

Date: June 5th, 2023

The organization commemorated World Environment Day with a series of activities aimed at raising awareness and promoting sustainable practices. As part of the celebration, a News Trail was organized, featuring engaging presentations, informative talks, and interactive sessions. Experts in environmental conservation addressed the audience, discussing pressing issues such as climate change, pollution, and conservation efforts. The event encouraged participants to take action and contribute towards a greener future, emphasizing the importance of individual and collective responsibility.

IEEE WIE Day

IEEE Women in Engineering (WIE) Day is an annual event that celebrates and empowers women in engineering. The event featured keynote speeches, panel discussions. Aiming to inspire young women to pursue engineering careers, promote gender diversity, and provide mentoring and support. WIE Day highlights the achievements of women in engineering and offers valuable opportunities for learning, networking, and career advancement. This year IEEE WIE Day event ended up in set of Focus Areas:

1. Climate Change - 2023 IEEE Focus Area
2. Leadership Training
3. Women Empowerment
4. Career Development and Capacity Building
5. Workplace Best Practices
6. Technology of interest Such As:
7. Smart Health Smart Sensor | AI and Machine Learning | IOT | Robotics
8. Industry | Entrepreneurship Digital education and literacy for serving humanity

SAC Leadership Meet:Quarterly Student organization meetings in Strengthening Connections within SB and SB Societies

The recent SAC Leadership Meet brought together the leaders of various Student Branches (SB) and SB Societies to foster collaboration and coordination. The event aimed to enhance communication channels, exchange ideas, and promote unity among the different entities within the organization. Attendees discussed important topics such as upcoming initiatives, challenges faced by the student community, and strategies to maximize their impact. The meeting served as a platform for brainstorming and strengthening the leadership network within the organization, fostering a sense of unity and shared purpose.

BC Meet: Quarterly Branch Counselors session

The bi-monthly BC (Branch Counselors) Meet provided a valuable opportunity for Branch Counselors from different sections to come together and discuss matters relevant to their roles. The event focused on knowledge sharing, professional development, and fostering a strong support network among the counselors. Participants engaged in discussions about best practices, innovative approaches, and challenges faced in guiding and mentoring students. The BC Meet aimed to improve the overall counseling experience within the organization and enhance the growth and well-being of its members.

Newsletter **IEEE** INDIA COUNCIL

Dr.Saugata Sinha
Chair, Newsletter

Bombay Section

The IEEE Sustainable Smart Lighting World Conference & Expo (LS:18)

And

The IEEE Bombay Section Signature Conference (IBSSC 2023)

Preamble:The IEEE Sustainable Smart Lighting World Conference & Expo (LS:18), along with the 5th IEEE Bombay Section Signature Conference (IBSSC 2023) were jointly organized by the IEEE Bombay Section. These conferences served as vital platforms for scientists and engineers from academia and industry to come together and share the latest advancements in the science and technology of lighting and allied fields. Furthermore, they provided a forum to discuss the challenges and opportunities in developing smart cities. With its lighting systems expertise, the LS community collaborated with the IEEE community, focusing on energy efficiency and smart appliances, to foster collaborations and explore new possibilities. LS:18 aimed to address the most recent developments in lighting systems, expanding into smart and human-centric lighting. IBSSC 23, on the other hand, focused on disseminating the latest advances in smart cities and exploring potential research prospects. Both conferences were held from June 8-10 at the prestigious Mukesh Patel School of Technology Management & Engineering in Mumbai, India.

LS:18 received a good response, 54 submissions & 41 Accepted papers with an acceptance ratio of 76%. The conference boasted a submission from 28 countries and received 110+ review reports, showcasing the quality and relevance of the research presented. The conference covered various tracks, including connected lighting systems, human-centric lighting, microgrids, sustainable lighting, solid-state lighting, and Lighting 4.0. These tracks facilitated discussions and presentations on the latest developments, innovations, and challenges in smart lighting.

IBSSC 2023 received 61 submissions from various countries, including Vietnam, India, Morocco, the UK, and the USA, highlighting the global interest in smart cities. The conference's acceptance rate was 7%, underscoring the rigorous selection process. The conference tracks focused on key areas such as security, sensor technology, and standards of smart cities, enabling participants to delve into critical aspects of building sustainable and efficient urban environments.

The conference witnessed diverse submissions and presentations, showcasing the global interest and collaboration in these areas. The conference publications will contribute to the existing body of knowledge and inspire further research and innovation in the field. LS:18 and IBSSC 2023 were significant milestones in advancing the science and technology of lighting and smart cities, fostering interdisciplinary collaboration, and paving the way for a sustainable and smarter future.

Volunteers, Committee and Affinity Group Awards 2022 by Section Awards Committee, IEEE Bombay Section

IEEE Bombay section Awards Committee had announced multiple Awards for volunteers and committee affinity groups, student branches. Nominations were received on the portal https://awards.ieeebombay.org/

Total 27 nominations were received. Three nominations were not eligible as per the eligibility criterion defined. Review panel of 5 senior members of the section, up to 4 reviews taken for each nomination, average of best 3 reviews taken as the final score. The following is the list of winners. Winners were felicitated on 25th June at IB-SYWLC 2023.

Sr. No.	Name of the Award	Winner Details	Number and Award Instrument
1	Best Student Branch	Symbiosis Institute of Technology: STB13901	Plaque and e-certificate
2	Best Student Branch Counselor	Dr.Alka Mahajan, IEEE NMIMS Mukesh Patel School of Technology Management and Engineering, Mumbai [SB 65491]	Plaque and e-certificate

3	Best Student Volunteer	ApekshyaPawar Usha Mittal Institute of Technology	Plaque and e-certificate
4	WIE Volunteer of the Year	Komal Vyas (Thanvi) Shri SantGajananMaharaj College of Engineering Shegaon	Plaque and e-certificate
5	Best Student Volunteer of Chapter/ Society of the Section	MayankKhandelwal G.H. Raisoni College of Engineering-Nagpur, IEEE Bombay Section CS Chapter (CH10246)	Plaque and e-certificate
6	Best Student Chapter/ Society of the Section	MTTS- IEEE SIES Graduate School of Technology-STB63071	Plaque and e-certificate
7.	Best Student Volunteer of Standing Committee of the Section	Pramod_Bide Sardar Patel Institute of Technology Membership Development Committee	Plaque and e-certificate

Glimpses of the Award Function

K Shankar Awards Ceremony 2022 by Section Awards Committee, IEEE Bombay Section:

IEEE Bombay Section honored and felicitated the deserving recipients of the K Shankar Award for 2022 on 9th June 2023. This award ceremony and paper presentation session served as a platform to celebrate their remarkable achievements.

K. Shankar Meritorious Paper Awards 2022

This Award is given in the memory of Prof. K. Shankar. Prof. Shankar served the Bombay Section in various capacities, including as the Section Secretary and the Treasurer of TENCON1989. His contributions have left an indelible mark on the organization and have inspired countless individuals to pursue excellence in the field of technology and research.

Categories and Nominations:

Category	Student			Professional	Total
	UG	PG	Doctoral	Industry/Academia	
Conference	2 (CSUG)	0(CSPG)	6(CSD)	5(CP)	13
Journals	0 (JSUG)	0(JSPG)	8 (JSD)	5(JP)	13

Winners are as follows:

Sr. No.	Nominee Details	Category	Paper Title
1	Name: ShashikantPatil, ViMEETKhalapurRaigad MS India	CP	Performance Analysis of Smart System with Algorithmic Optimization for Cavities Detection
2	MohitSewak, Microsoft R & D, India	CSD	X-Swarm: Adversarial DRL for Metamorphic Malware Swarm Generation
3	SHLOK PRADEEP DOSHI Vishwakarma Institute of Technology	CSUG	An Approach for Clustering and Classification of Alumni Employment Information
4	Pooja Singh, SIES-Graduate School of Technology	JP	Reliability Measurement of Control and Instrumentation Systems of Nuclear Power Plants
5	HemantRathore, BITS Pilani, K K Birla Goa Campus	JSD	Towards Adversarially Superior Malware Detection Models: An Adversary Aware Proactive Approach using Adversarial Attacks and Defenses

The Awardees presented their work during Bombay Section Signature Conference IBSSC-2023.

Glimpses:

Online Meeting of the panel Announcements by Section Awards Committee Chair Dr. Anjali Deshpande

Prof. ShashikantPatil Presenting his work S h l o k Doshi and Mohit Sewak Receiving award from Shri Roshan Makkar

Dept. of ECE, VNIT Nagpur hosted PCEMS 2023, an

international conference technically sponsored by IEEE Bombay Section, during 5th - 6th April 2023 in hybrid mode at VNIT Nagpur

Dr.Rohit Srivastava, Prof. IIT Mumbai, delivering his speech. Sitting on the chairs (from left): Dr.AvinashKeskar, General Chair, PCEMS 2023 & Head, Dept. of ECE, VNIT Nagpur, Dr.PramodPadole, Director, VNIT Nagpur, Dr.Neraj Rao, Convenor, PCEM 2023

A physical session in PCEMS 2023 in progress, where a student researchers is presenting his research in front of the session chairs and audience.

Department of Electronics and Communication Engineering, Visvesvsraya National Institute of Technology (VNIT), Nagpur organized the 2nd International Conference on the Paradigm Shifts in Communication Embedded Systems Machine Learning and Signal Processing (PCEMS 2023) during 5th - 6th April 2023 in hybrid [Physical as well as virtual] mode at VNIT Nagpur, India. Inspired by the resounding success of the 1st version of the conference, which was organised by the Dept. of ECE, VNIT in May, 2022 in virtual mode, PCEMS 2023 was organised with the aim to provide a significant opportunity to the young researchers, specifically belonging to central India, to showcase their research work in different domains of electronics & communication engineering.

PCEMS is a flagship VNIT conference, conceptualized by the Department of Electronics and Communication Engineering, VNIT. It is focused towards providing a platform to the researchers to present their groundbreaking research work in the following areas which are the major track of the conference 1) Communications 2) Embedded Systems & IOT 3) Machine Learning & AI 3) Signal & Image Processing. PCEMS 2023 is technically sponsored by IEEE Bombay Section and financially sponsored by Ministry of Electronics and Information Technology, Govt. of India along with industry giants like industry giants like MathWorks ANSYS and various other companies.

The inaugural ceremony of PCEMS 2023 took place in Dept. of Electronics & Engineering on 5th April, 2023. The inaugural ceremony was graced by Dr.AbhayKarandikar, Director, IIT Kanpur as Chief Guest, Dr.Ranjan K. Mallik, Chair Professor, IIT Delhi as the Guest of honor and Dr.Pramod M. Padole, Director, VNIT Nagpur.

In his welcome address, Prof. A. G. Keskar, General chair of PCEMS 2022 and head of the dept. of ECE mentioned that in the present technological era, changes are 'paradigm shifting' He said that, PCEMS, which is a flagship conference of Dept. of ECE VNIT, has been conceptualised as the multidisciplinary research work among the four pillars of electronics and communication engineering, namely Communication, Embedded systems, Machine learning and Signal processing are of extreme importance now a days. He informed that PCEMS 2023 received 294 submissions from all around the country as well as from abroad and 111 submissions have been accepted after thoroughly reviewed by at least competent three reveiwers. He mentioned that four renowned academicians from different international and national institute of repute have agreed to deliver the keynote invited talks in PCEMS 2023. Dr.AbhayKarandikar, Director, IIT Kanpur, Dr. Ramesh Jain, University of California, Dr.Ranjan K. Mallik, Chair Professor, IIT Delhi and Dr.StayanarayanBheesette, Scientific Officer, Tata Institute of Fundamental Research are the keynote and invited speakers in PCEMS 2023.

Prof. P. M. Padole, Director, VNIT Nagpur, who is also Patron of PCEMS 2023, thanked chief guest and guest of honor of the inauguration ceremony of PCEMS 2023 along with all the keynote and invited speakers. He provided a brief introduction of VNIT, highlighting the achievements of the distinguish alumni and contribution of the alumni association in various developmental projects in VNIT Nagpur. On behalf of VNIT Nagpur, he expressed a warm welcome to all the participants of PCEMS 2023. He congratulated the organisers of PCEMS 2023 for conceptualising PCEMS and also making it a regular event. Citing the words of various eminent scientists, he mentioned that multidisciplinary research is the need of the hour and pointed out that PCEMS 2023 will play a significant role in providing a platform to the researchers for showcasing their multidisciplinary research work.

Prof.Ranjan K. Mallik, Chair Professor, IIT Delhi, who was the Guest of honor of the inauguration ceremony of PCEMS 2023 congratulated Dept. of ECE, VNIT for organising the conference. Citing the statistics related to the number of papers accepted in different tracks, he pointed out that research articles have been accepted in all four tracks of PCEMS. He extended best of luck to all presenters and attendee of PCEMS 2023.

Prof.AbhayKarandikar, Director, IIT Kanpur, who was also the Chief guest of the inauguration ceremony of PCEMS 2023, lauded the efforts of Dept. of ECE, VNIT for providing the opportunity to the researchers to present their multidisciplinary work in a platform like PCEMS 2023. He mentioned that in light of recent 'paradigm shifting' changes occurred in the technical areas and 'make in India' policy of Govt. of India, the relevance of PCEMS 2023 is enormous and he is extremely happy that Dept. of ECE, VNIT has taken up the challenge to organise PCEMS in a regular basis. In his keynote speech titled 'Frugal 5G Network: Towards IEEE P2061 Standard', immediately following the inauguration ceremony of PCEMS 2023, Prof.Karandikar reviewed the challenges in providing broadband connectivity in rural areas using existing cellular wireless systems and explained the research undertaken by his group towards developing a low mobility and energy efficient network for affordable broadband access.

On the 1st day of PCEMS 2023, two keynote talks by Dr.AbhayKarakdikar and Dr. Ramesh jain, one invited talk by Dr.StayanarayanBheesette, two industry talks by Ansys and Mathworks and four technical sessions took place. In four technical sessions, a total of 23 papers were presented by different researchers.

CVN, VNIT Nagpur organized Enlightenment 2023 – Workshop on Research and Applications in Photonics.

Participants and dignitaries of Enlightment 2023

The three days' event was organized on account of International Day of Light at Centre for VLSI and Nanotechnology, Visvesvaraya National Institute of Technology (VNIT), Nagpur from 16th May to 18th May, 2023. The primary aim of the event was to provide a platform that brings together domain experts

and researchers to disseminate and highlight novel contributions and challenges in the field of Photonics. The event included various seminars from various prominent scientists and academicians from TIFR, SAMEER, DRDO, IITs, NITs among others from Industry. There were also two open houses for the students for discussion with an eminent panellists answering their queries.

There were total of 15 sessions out of which 12 were lectures cum interactions, 1 lab cum interaction, 2 open forums and a quiz for students on the topic of Optics and Photonics on account of International Day of Light. The event was marked by active participation of over 50 participants that include both students as well as academicians and professionals from Industry.

The event will not be possible without the financial and active technical support of IEEE Photonics Society, IEEE Bombay Section, IEEE Nagpur Sub-Section, Fiber Optic Services and Ansys in all.

Educational activities committee Report

IEEE Bombay section under educational activities had been supporting collaborative STEM initiatives and capacity building programs. Last year for conducting these activities IEEE Bombay section had provided 2,60,000/ funds to the student branches for conducting STEM workshops and 1,50,000 for conducting capacity building programs. These programs were conducted across the section where in 18 SB collaborated to conduct STEM programs for 57 schools where 165 Faculty and 4299 Students of Pre-University were benefitted. In total 8 capability building programs were conducted where in 16 engineering institutes collaborated and around 900 faculty members were benefitted. 7 of these programs were conducted in online and hybrid mode and one was in offline mode. A repository of all the lectures conducted during Capacity building programs is created on You tube all can take advantage of it.

This year IEEE Bombay section is supporting 10 SB to conduct STEM which is scheduled between July 23 to September 23.Total fund allocated for these activities is 1.5 lakhs for STEM education initiatives and 1.5 Lakh for capacity building program.

7 Capacity building programs were conducted by 18 SB in collaboration this year between May 23 and July 23 where in 835 participants were benefitted.

We all know, the field of education is constantly evolving,

and technology has played a crucial role in this evolution. With the advent of new technologies, there has been a paradigm shift in the way we learn, teach, and disseminate knowledge. It has become imperative for educators and learners to embrace these technological advancements to have holistic learning experience for all involved in the process of teaching and learning.

Capacity building programs and STEM education workshops are a step towards achieving this objective. These programs provide a platform for all to learn about the latest trends in technology and equip themselves with the necessary tools and skills as per market trends.

Capacity building programs and STEM education workshops gives both volunteers and participants a fruitful and enriching experience. These programs are also a platform to exchange ideas, share knowledge, and learn from each other.

I would like to extend my gratitude all collaborating colleges for coming together and making the initiative of educational activity committee successful.

Activities of IEEE Bombay Section Young Professionals

Online event "The Internship Advantage"

IEEE Bombay Section Young Professionals organised a transformative online event called

"The Internship Advantage" for Students, recent graduates, and professionals seeking to boost their career prospects and gain practical industry knowledge on 31st May 2023.

Mr. Rocky Jagtiani emphasised networking and building professional relationships in internships. He recommended reliable websites for finding legitimate internship opportunities

and advised on identifying trustworthy sources while avoiding unreliable postings.

SEMINAR ON NAVIGATING THE RESEARCH LANDSCAPE: STRATEGIES FOR SUCCESS on 10th June 2023

IEEE Gujarat Section YP collaborated with IEEE Bombay Section YP to organise a one dayseminar on Navigating the research landscape: Strategies for success on 10th June 2023.

The event equipped participants with essential knowledge and practical strategies to excel in their research pursuits. This helped participants in effectively communicating research findings and gain valuable insights, overcome challenges, and optimise their research processes.

INDUSTRIAL VISIT, 24th June 2023

On 24th June 2023, IEEE Bombay Section YP organised a dual Industrial Visit to Rajarambapu Patil Sahakari Sakhar Karkhana Ltd, Rajaramnagar and Patil Dairy in Vasagade Road, Bhilawadi for students and young professionals to witness how cutting-edge technology has enhanced the grassroots of industries.

Participants toured a sugar factory, witnessing the machinery and learning about sugar manufacturing. They also visited a dairy factory, where they were introduced

to the dairy industry and the processes involved in producing milk products.

TRACK EVENTS AT IBSYWLC, 23rd-25th June 2023

On June 23, 2023, the IBSYWLC'23 was held at Annasaheb Dange College of Engineering & Technology, Astha, Sangli. IEEE Bombay Section YP organised several talks in YP track.

Presentations by Dr. Nikhil Gala (Chairperson Corporate Relations & Placements MPSTME NMIMS University) on "Building your CV" and Mr.Shahim Baker (Vice Chair, YP IEEE INDIA COUNCIL) on "Social Projects for Young Professionals'' and "IoT for common man." Dr. Gulab Singh, an IEEE GRSS Distinguished Lecturer from IIT

Bombay, conducted a hands-on training session on "Remote Sensing Data Processing" helped in sparking an inspiration amongst participants to elevate their careers in respective domains.

IEEE Bombay Section Young Professionals have launched its new podcast "Resonate: The IEEE Experience" on 1st July 2023.

"Resonate: The IEEE Experience" aims to provide a platform for young professionals to share their insights, experiences, and valuable perspectives in IEEE as well as fields of technology and innovation. Accomplished professionals in the industry and seasoned volunteers are invited to share their expertise and journey which would be highly inspiring for our audience, comprising young professionals, students, and technology enthusiasts.

The inaugural episode of Resonate featured

Mr.RamneekKalra. As an IEEE Impact Creator and IEEE Young Professional, Ramneek is dedicated to bridging the gap between Pre-University and University students, as well as connecting students to the industry through a Project-Based Learning approach.

During the podcast, we delved into topics such as his journey in IEEE, challenges he faced, key learnings, and advice he would like to share with young professionals aspiring to make a mark in the industry. The format of the podcast consisted of an engaging conversation, allowing Ramneek to share his experiences and perspectives freely.

Watch the first episode of Resonate: The IEEE Experience, now streaming on our Youtube

channel IEEE Bombay Section Young Professionals! With each episode, we invite trailblazers and visionaries to share their awe-inspiring stories, valuable experiences, and unique perspectives. Subscribe to our channel to stay connected and watch our future episodes.

IEEE SIGHT DAY 2023

Organizer: IEEE Bombay SIGHT

Date: 28th April 2023

Location: Ratnabai charitable trust

Volunteers:

IEEE SIGHT

About IEEE SIGHT:

The IEEE Special Interest Group on Humanitarian Technology (SIGHT) is a special community of engineers and experts who are passionate about solving local problems using leveraging technology solutions. While we think technology has made a big impact on humanity and we cry about not having a flying car by 2020. But unfortunately, there are people who don't even have a light bulb in their homes. There are volunteers working on projects including energy, healthcare and medicines, water and sanitation, telecommunications, agriculture,

education and several others. SIGHT provides a structured way of executing a humanitarian project and provides the necessary resources to drive such an initiative. Being part of SIGHT gives one the opportunity to connect your idea with the community. You can see the community getting changed with your little effort and you will also get personal benefits from it. There is so much you can generate, we just not impose the technology on the community but we work with them and transform the community in such a way that they feel part of the process and their transformation is worth rewarding. We encourage engineers, IEEE members, volunteers and anyone willing to implement humanitarian technology to join IEEE SIGHT today. We guarantee you will have a great experience.

About Ratnabai Charitable Trust:

This Is NGO formed by Mrs.VatsalaKamble Social Worker & Women representative in Current BJP & Shiv Sena Alias for Navi Mumbai Division. She has made effort to bring all backward class community People, women's, children to teach them make them entrepreneur. The trust has vision to provide Education to all & promote right to equality. The trust has 80 students & 40 women's coming from Backward community. The aim of the trust is educating these children's. & the women's to be independent by teaching & encouraging them to get involved in multiple activity.

The trust is located in Thane District almost 80-90 km from Mumbai city.

Activity in School.

1. SIGHT Day Cake cutting.

2. Drawing competition for Students

3. Fun games like passing the parcel & Treasure hunt.

4. Women encouraging Workshop.

Cake cutting:

Drawing Competition:

Participants: 65 Students

We distributed 65 environment Friendly LCD Slate to Students after successful completion of the drawing competition.

Tree Plantation:

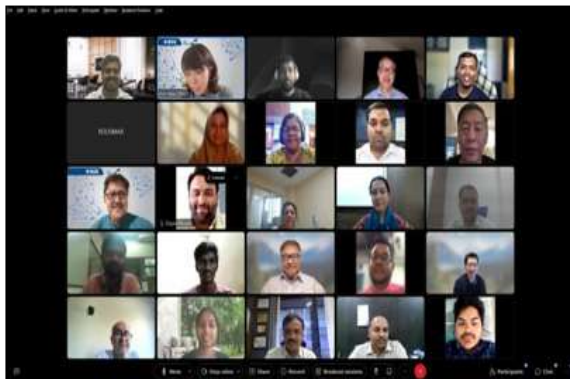Online Session for the Women role in Building community.

Speaker :Pooja Sharma &WarunikaHipola

Fun Quiz:

We distributed 7 Quiz Winners we gifted them 4 power bank & 3 Wireless headset along with IEEE SIGHT Membership card conducted at DJ Shanghvicollege Mumbai.

GABFEST 2k23 event conducted at Cummins College of Engineering for women,Nagpur

MKSSS's Cummins college of Engineering for women,Nagpur IEEE student branch hosted GABFEST on Saturday 29th of April 2023, which is the flagship event of IEEE Nagpur subsection which comes under the Bombay section. With the aim of making students placement ready and carrying a sheer tech spirit, the event was inaugurated and graced by the presence of chief guest Mr.RanjitSingh,CEO& MD of syslogyx technologies ,Nagpur, guest of honor Dr.Prabhat Sharma IEEE Chair of Nagpur Subsection, Dr.Abhay Gandhi immediate IEEE NS Past chair, Principal of Cummins college of Engineering for women,NagpurDr.MilindKhanapurkar along with the management members and the star of the event i.e the guest speaker Mr.Arsh Goyal, senior software developer at samsung. Principal Sir addressed the gathering and welcomed all the guests .All the guests shared their experience in Tech Industry and their journey in IEEE. The event was then taken forward by the Guest Speaker Mr.ArshGoyal. The session mainly focused on proper preparation for placements. Every point was covered and the session was quite interactive.Aptitude test was conducted in collaboration with Coding Ninjas for which the winners were given gift hampers. After that, Q&A session with ArshGoyal continued where inquisitive minds were getting food for thought and their doubts were resolved.The event ended with the Badge Distribution ceremony of the upcoming IEEE core team members. Vote of thanks was given by the current Chair of CCOEW Student Branch.Event was coordinated by Dr. Jaya Gadge Branch counselor and Ms.Rashmikumari student chair of IEEE CCoEW under the guidance of Principal Dr.Milind Khanapurkar.
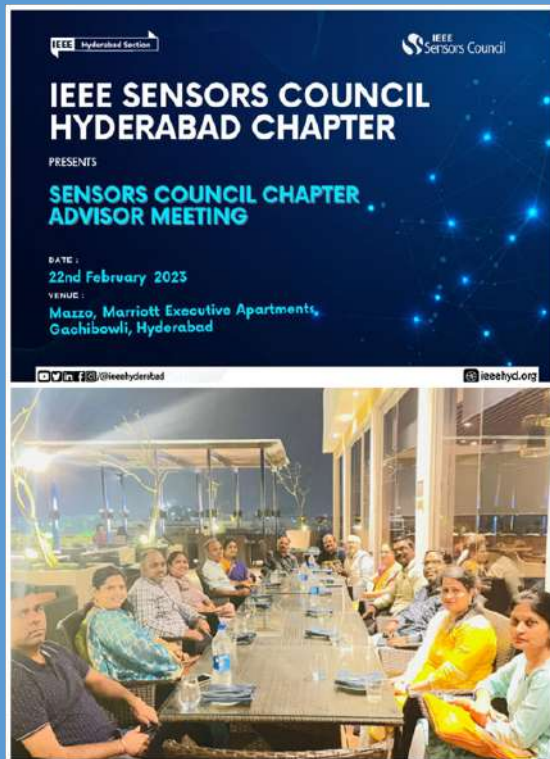
Hyderabad Section

Sangeetha Singh
Chair

IEEE Sensors Council Hyderabad Chapter

1. IEEE Sensors Council Hyderabad Chapter organized a "Sensors Council Chapter Advisor Meeting"on 22nd February 2023at Mazzo, Marriott Executive Apartments, Gachibowli,Hyderabad. The welcome address was given by Dr.Amit Kumar, Chair, IEEE Sensors Council Hyderabad Chapter.

The meeting provided an opportunity to all the Chapter Advisors todirectly interact with the section representatives and learn the objectives of Sensors Council Chapter. The advisors presented a brief on various activities conducted at their respective Student Branch Chapters. The participants took away key points related toconduction of multiple events and the procedure to apply for funding so as to fulfill the mission of sensors council chapter at their respective SBs.

IEEE Hyderabad Section WIE AG

1. IEEE Hyderabad Section WIE AG organized a talk on "Metaverse -Evolving Technology" on 1st Feb 2023. The speaker for the session was Ms.NirmalaDatla, Executive Vice President, Engineering & Research Services, HCLTech.The participants were enlightened with the concepts of Metaverse and its importance in our life.

2. IEEE Hyderabad Section WIE AG in association with IEEE Sensors Council Hyderabad Chapters and IEEE Women in Sensors organized "Women in Sustainability and Leadership" along with "Women's Day Celebrations" on 12th March 2023 at HITEX, Hyderabad. Women have played a critical role in sustainability and leadership, working to create a more just and equitable world that addresses the pressing environmental and social challenges. The speakers and panelists have shared their experience in working towards achieving SDG goals. They also emphasized on prominent role of women in creating sustainable development in Leadership, Space, Entrepreneurship, Healthcare, and Technology in SDG.

IEEE PES/IAS Jt Chapter

(Reported by: Dr. C Harinatha Reddy, Chairman of PES Jt Chapter)

Collaborating Organization : GPREC IEEE PES SBC, PELS SBC and IAS SBC

1. Name of the Activity : Student Interaction Meet with R10 PES

Date and Time of Activity : 15-04-2023 from 9.30 to 10.00 AM

Details of Resource Persons : Dr. Ramakrishna Kappagantu is an independent consultant and advisor to industries, research and utilities in the Electrical Power Sector of India with over 38 years of experience in research, design, engineering & mangagement. He is a senior member of IEEE, Eta Kappa Nu of IEEE-HKN, the Honors Society and a Life Fellow of the Institution of Engineers, India.

Number of Participants : Total number of students is 94

Description of Event : This event is mainly for the benefit of EEE students' community who attended both in Online and Offline Mode.

Objective: The main motto of the event is to provide an awareness on importance of IEEE membership and then PES chapter membership. The speaker also enlightened about the latest benefits for all the PES members that includes PES webinars, tech talks, technical videos, conference videos, outreach activities etc. which are all free for PES active members. At the end the speaker suggested to join IEEE and also PES society that will enhance the student professional career.

Outcome: At the end of the session the students are able to know the benefits of IEEE and PES society benefits that enhance the career growth s well as professional growth.

Photos: Highlighting the resource persons, motto of activity, etc. (Geo tagging photos)

Activity Report of IEEE PES/IAS Jt Chapter

2. Name of the Activity: Technical talk on "Heralding Smart Technologies" Date and Time of Activity : 15-04-2023 from 10.00 AM to 11.00 AM

Details of Resource Persons, if any : Dr. Ramakrishna Kappagantu

Number of Participants : Total number of students is 82

Description of Event: This event is mainly for the benefit of EEE dept students' community for all those who attended both in Online and Offline mode.

Objective: The objective of the event is to provide an awareness on various smart technologies involved in SMART GRIDs. He explained the pilot project taken up under his supervision at Puducherry. Also he explained about meter management system, outage management system, micro grid controllers, benefits to Utility and consumers.

Outcome: At the end of the session the students were able to know various technologies involved in SMART GRID projects.

3. Name of the Activity: Professionals Interaction Meet with R10 PES

(Talk on "A ladder to Techno-Professional advancements in Power Engineering")

Date and Time of Activity : 15-04-2023
from 11.30 AM to 12.30 PM

Details of Resource Persons, if any : Dr. Ramakrishna
Kappagantu

Number of Participants : Total number of
students is 42

Description of Event: This event is mainly for the benefit

of IEEE Professionals community especially the faculty members of various colleges who attended in both offline and online mode.

Objective: The objective of this event is to provide an awareness on importance of IEEE membership and then PES chapter membership. Dr. Kappagantu Ramakrishna delivered a talk on "A ladder to Techno-Professional advancements in Power Engineering". The speaker also enlightened about the latest benefits for all the PES professional members that includes PES webinars, tech talks, technical videos, conference videos, outreach activities etc. which are all free for PES active members. At the end the speaker suggested to join IEEE and also PES society that will enhance the student professional career.

Outcome: At the end of the session the students are able to know the benefits of IEEE and PES society benefits that enhance the career growth s well as professional growth.

Er. Biju G R,
Associate Editor
IKS NL

Kerala Section

1. Sub Section Activities

Malabar Sub Section

Bi-weekly is a webinar organized in every alternate Thursdays in association with IEEE Malabar Hub and we have successfully organized four Bi-weekly series, with each session focusing on cutting-edge topics in the field of technology.

• Bi-weekly series 18 to 24 were conducted in different dates.
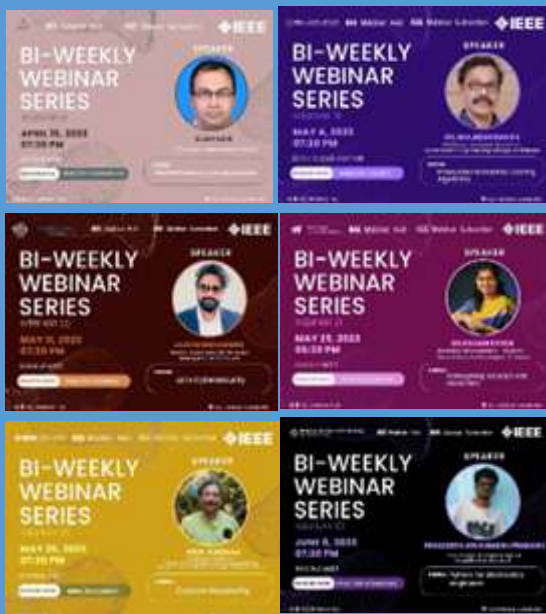
EXECOM Meeting

The second executive committee meeting of IEEE Malabar Sub Section was held on May 28, 2023, at the IEEE Malabar Sub Section office in Calicut in Hybrid mode. Distinguished IEEE Life Senior Member K.P. Mohandas and IEEE Kerala Section Vice Chair Dr. Gilesh M.P. graced the occasion with their presence, adding value to the event.

TechXplore

TechXplore, a pre-event of Road Map to Success in Engineering Studies conducted on 11th June 2023, organized by IEEE Malabar Subsection in collaboration with IEEE SB NITC and GECK. This is a one-day

hands-on session specially designed for 9th, 10th, 11th, and 12th standard students.

Road Map to success in Engineering Studies

IEEE Malabar Subsection in association Government Cyber Park Kozhikode hosted 12th edition of "Roadmap to success in engineering studies" for higher secondary school students and their parents at Cyberpark.

Green Energy Students' Movement (GESM)

The Green Energy Students' Movement of MSS was inaugurated on 5th June 2023 in collaboration with IEEE PES SBC MESCE, IEEE IAS SBC MESCE, Energy Conservation Society Malappuram Chapter.

Kochi Sub Section

Organized an event titled "Sound, Music, and Engineering" on April 17th and took place at the DOE Auditorium.

Another event organized was a webinar on 'Tax and Investment Planning for Professionals' on 20th April at 7:30 pm.

A Panel Discussion was organized on 9th June 2023 at International School of Photonics, in connection with World Environment Day.

2. Affinity Group Activities

Women in Engineering

Women in Engineering, conducted four major events during the period of April – June 2023 – SAAGA 2023, WiE Chairs Meet, NetZero Homes and Panel Discussion - Breaking Barriers: Unveiling the Glass Ceiling in Tech. The details of the events are given below.

On 1st April 2023, organized SAAGA 2023: "A Tale of Thousand Stars", at Christ University Nodal Office, Vazhuthacaud, Thiruvananthapuram.

Workshop 2 was on Breathe, a live transformative workshop on Vipassana breathwork therapy, a powerful technique that can help one cultivate mindfulness and inner peace. It was conducted by Dr. R Gopakumar (Assistant Teacher, Vipassana Meditation).

On June 10, 2023, WIE organized the WIE Chairs Meet. The virtual event took place via Google Meet.

On 11th June 2023 in collaboration with IEEE Power and Energy Society (PES) Kerala Chapter and Poojappura Yuvana Samajam Library, organized an awareness campaign titled "Net Zero Homes."

The last activity for this quarter was conducted on June 23, 2023 to celebrate International Women in Engineering Day, was a thought-provoking panel discussion titled "Breaking Barriers: Unveiling the Glass Ceiling in Tech.

Circuits and Systems Society (CASS)

Awards and Fundings received

Winner of Chapter of the Year award: Region 10

Funding: US $750

Won outreach proposal: "Making CASS inclusive-workshop series"

Funding: US $9600

Granted received for Technovation-2023 event proposed by Vimal Jyothi College of Engineering. Funding: US $500

5-day Workshop & FDP on "Integrated Circuits and Systems for AI" - during 8-12 May 2023 organized "Integrated Circuits and Systems for AI".

Annual General Body Meeting 2023 - The first IEEE CASS Kerala Annual General Body Meeting (AGM) 2023 was organized on 03-06-2023 by the IEEE CASS Kerala hosted by Digital University Kerala at Maker Village Kochi.

CAS TECH Play 2023 - CAS TECH play is organized on 03-06-2023 by Digital University Kerala at Maker Village Kochi in collaboration with IEEE CASS Kerala.

Talk on "MEMS, Nanotechnology and Aerospace Applications" - Speaker: Dr. Sreelal S Pillai, Scientist/ Engineer G, Vikram Sarabhai Space Research Center, ISRO, Trivandrum on 12-05-2023.

Interactive Session "Trends and Opportunities in the domain of IC Design" -

Speaker: Prof. Mukul Sarkar, Department of Electrical Engineering, IIT Delhi on 21 June 2023 at NIT Calicut.

Workshop on PCB Design - on 10 June 2023.

Basics of Battery Management System – a talk on 10 June 2023.

CASS supported many student project activities at TKMCE (details not given).

IEEE Computer Society

Elever 3.0: Portfolio Website - organized on 3rd April 2023.

TERNION - was a treasure hunt organized on 14 April 2023.

Scholars Unite - Scholars unite was planned to be an exclusive event with the past REM Scholars

AI Tools - is a talk session called "AI Tools to Supercharge Your Life" which was handled by Vaishakh Suresh, Special Interest Group AI Lead of IEEE CS KS. It was held on 19th April 2023.

Pushing Boundaries: Path to Progress - On 29th April 2023, an inspiring experience sharing session, titled "Pushing Boundaries: Path to Progress" was held online.

Talk With Scholars- 3 - The 3rd edition of "Talk with Scholars", presented by IEEE CS WIC Kerala .

Slash Key 2.0 - conducted by IEEE Computer Society Kerala Chapter was held on the 27th and 28th of May at Kochi Office, IEEE Kerala Section.

Communications Society (ComSoc)

IEEE Graduate Congress : GraTE '7' - On April 21, 2023, the Chapter, in collaboration with ComSoc Bangalore, Kolkata, and Hyderabad Chapters, successfully organized the 5th edition of The Graduate Congress: Graduate Thesis Evaluation in 7-minutes (GraTE-7).

Pardhasaradhi Bethi from NITK Suratkal, Venkatarami Reddy Chintapalli from IITH, and Amit Baran Dey from NIT Silchar were acknowledged for their exceptional theses, receiving the highest recognition in the PhD category.

Morse iT! 2.0 The Chapter successfully conducted the Morse iT!2.0 decoding competition on June 10th and 11th, 2023.

1. ARISE - In May 24th, organized an online event called ARISE.

2. VOLT and F2F - The Chapter organized a Face to Face Meeting and Volunteer Training on the 25th of June, 2023. at the IEEE Kochi Subsection Office.

Educational Activities

Talk on Mobile Robotics #2 - on 04/05/2023.

Talk on AI in Cybersecurity - The program was conducted at 7.30 pm IST on 11th May 2023, Thursday.

Summer Camp for B.Tech Aspirants - jointly with SB KMCT College of Engineering organized a Five-day summer camp for B.Tech aspirants.

Faculty Orientation Program - A session on Mutual Funds, on 30/06/2023.

Educational Society Activities (EdSoc)

Internship on Solar Energy – held on 5/08/2023 - 5/31/2023 (Slot wise). Participant: 200 | IEEE 180 | Non-IEEE 20 | Undergraduate | General

Talk session on 'Blockchain' - 4/04/2023 | 8:00:00 PM. Participant: 119 | IEEE 69 | Non-IEEE 50 | Undergraduate | Computer Science

Her Quest Episode #2 - Changing Phases of Engineering Education and Priorities of Women held on 4/18/2023 | 8:00:00 PM. Participant: | IEEE 100| Non-IEEE 50 | Undergraduate | General

Dr Bindu G. R., started by presenting her views on women pursuing engineering as their career. Ms Ardra Saji, Ms Alna Maria Ben, Dr Bindu G. R. were handled the session.

Powering The Future - Innovative Assets Management and Maintenance Technology in Power Systems – held on 4/22/2023 | 7:30:00 PM. Participant: 138 | IEEE 58 | Non-IEEE 80 | Undergraduate | General

Distinguished Lecture Program on Scholarship of Teaching and Learning - What it is, Why and How to do it? – Held on 5/17/2023.

SB Activities: Mohandas College of Engineering and Technology, Anad, Thiruvananthapuram organized follwing events in the current quarter.

1. The New Age of Engineering and Management: A webinar session taken by Mr. Adithya Sankar V, MCET Alumini, pursuing PGDM in Great Lakes Institute of Management. on 9th April 2022 at 7PM via Google Meet.

2. Tech Talk #1 :   An open group discussion on the topic 'Computer Vision', handled by Mr. Jerome S, SB MCET Chairman on 4th May 2022.

3. Poster Design Contest: As part of National Technology Day, a competition of poster designing was conducted on the topic 'Technology for a sustainable future' on 11th May 2022.

4. Introduction to Nanotechnology: The webinar on 'Introduction to Nanotechnology' conducted by Mr. Jithin J Jose, Chairman IEEE Photonics SB Chapter CUSAT on 24th June 2022.

5. IEEE Membership Development Drive: The session was taken by Mr. Salih Yoosaf, Secretary, MD Committee, IEEE Kerala Section to convey the benefits and values of IEEE Membership for every technical students. It was held on 15th May 2023 at 7PM via Google Meet.

Higher Education Options for Young Professionals

The IEEE EdSoc Kerala Chapter organized an insightful talk session on the topic of "Higher Education Options for Young Professionals" on 24th May 2023. Eminent personalities handled the sessions were:

Dr Liad Wagman:

Title: John and Mae Calamos Dean Endowed Chair, Professor of Economics at Stuart School of Business at Illinois Tech.

Topic: "The Economic Impact of Data Regulation"

Dr Bulent Erenay:

Title: Assistant Professor of Management, Haile College of Business at Northern Kentucky University. Topic: "Global Supply Chain Analytics"

Industry Nexus

The keynote speaker was Dr Sukumar Kamalasadan, a distinguished professor in Electric Power Engineering in the University of North Carolina at Charlotte.

HerQuest Episode #3 - Challenges & Opportunities for Women in Director Boards

The event held on 5/31/2023. An interview session on the topic "Challenges & Opportunities for Women in Director Boards

Build up your skills and make your going bright

A webinar held on 6/03/2023. The webinar, featured by Dr O.T. Remadevi as the speaker.

The Evolution of Lights and the Engineering Brilliance of Blue Light

The event held on 6/24/2023

Empowerment Sessions for SLT Members

There were seven sessions on this event held online as Empowerment Sessions for the Student Leadership Team Members during the second quarter. The sessions were handled by Er. M. Anil, Secretary, of the Chapter.

Geoscience & Remote Sensing Society (GRSS)

AGM held on 29/04/2023

IEEE GRSS Kerala Chapter drone flying hands-on 16/6/2023

Intersociety Activities Report

Sl.No	Date	Topic	Speaker	Attendance
1	05-04-2023	Universal Human Values & Ethics: Part	Dr S Ushakumari, Professor and Dean Corporate Relations, Mar Baselios College of Engineering, Thiruvananthapuram	46
2	12-04-2023	Reusable Satellite Launch Vehicles-an Overview	Dr C K Krishnadasan, Deputy Director, Structures Entity, VSSC Trivandrum (Retd.)	34
3	19-04-2023	ChatGPT-A Paradigm Shift in AI	Mr Satish Babu, Chairman InApp, Trivandrum	33
4	26-04-2023	Quality in the Medical Device Domain	Mrs Sarada Jayakrishnan, General Manager, Quality, Terumo-Penpol Private Limited, Trivandrum	27
5	03-05-2023	Hidden Messages of Water	Prof.(Dr.)V.Rajendra Babu, Professor of Civil Engg., & Dean (PG Studies) (Retd.) College of Engineering Trivandrum	37
6	17-05-2023	Empowering Least Developed Regions of India Through Information and Communication Technologies (as part of World Telecommunication and Information Society Day Celebration 2023)	Er R Sajikumar ITS, Principal General Manager, Trivandrum District, BSNL	28

Newsletter IEEE INDIA COUNCIL

7	24-05-2023	Our Earth and Our Engineer-Raw Materials and Value Addition for Electric Vehicles	Dr R Bhima Rao, Geo Scientist, Advisor to Ministers of Mines, Govt of India & Former Chief Scientist CSIR-IMMT Bhubaneswar	31
8	31-05-2023	Arbitration in Environment and Climate Change	Dr K.R.S.Krishnan, Director, Karunya Institute of Science and Technology (Deemed University)	25
9	07-06-2023	Pendula Sastra and Its Use-A Live Demonstration	Prof.(Dr.)V.Rajendra Babu, Dean (PG Studies) College of Engg., Trivandrum (Retd.)	26
10	14-06-2023	Accidents due to falling down in bath rooms	Er R Subhash Chandra Bose FIE, Superintendenting Engineer (Retd.) Kerala Public Works Department	28
11	21-06-2023	Aasayavinimayathile Velluvilikal-Kudumbapachathalathil (Translated as: Challenges in Communication-In a Family Background)	1. Er. Matius Vengal, Director, Sanjeevani. 2. Dr G Jayakumar, Former Principal, MG College Trivandrum (Retd.) & Deputy Director, Sanjeevani	35

IA/IE/PELS Jt. Chapter

The joint chapter organized the following events in the last quarter:

1. INNOVATEX is an All-Kerala Project Competition - The two-day event

First prize: Mr. Ashwin (Government Engineering College, Thrissur)

Second prize: Mr. Harishankar (Sahrdaya College of Engineering and Technology)

Third prize: Mr. Navaneeth Nalesh (Jyothi Engineering College, Thrissur)

2. Basic Digital Technologies Session for underprivileged women - PELS Day 2023

Organized on 30 June 2023 at Valungamuri Sahakarana Bank Hall, Koratty.

3. INSIGHT:

IEEE PELS SBC GCEK and IEEE IAS SBC GCEK, in

collaboration with IEEE IA/IE/PELS Jt. Chapter Kerala, organized "INSIGHT", a membership development session to emphasize the assets and advantages of being a member of the IAS and PELS societies.

4. SBC's Chair Meet: Held on 05/04/23, 8 pm to 9 pm on the Cluster War.

Life Member Affinity Group

Twin Honor for Er. Koruthu P Varughese

Er. Koruthu P Varughese, Immediate Past Chair of LMAG Kerala honoured with prestigious Twin Awards: Individual Life Member Service Regional Award 2023 and the Individual Life Member Service Global Award 2023. LMAG Kerala recalls with pleasure the efforts of Koruthu Varghese as Chairman during the two years of COVID pandemic, to raise the level of activities to a hitherto high for LMAG linking with sister societies and also with LMAGs in other Sections.

Power Engineering Society

PES R10 West Zone (india) Professional Chapters Meet

PES R10 west zone Professional Chapters meet up

was conducted at Gwalior on April 21st , 22nd at Indian Institute of Information Management .

Climate Change Impact on Power Systems

IEEE PES SBC CEAL organized a webinar on "Climate Change Impact On Power Systems" on 27th April 2022 from 7:00 pm- 8:00 pm(IST) through the Google Meet platform.

PES SLT Execom 2023

The first online execom meet up of IEEE PES SLT 2023 was held on May 1st 2023, through google-meet.

Future Power Grid

An online talk session arranged on 12th May on 'Future Power Grid'

Powering a Climate Safer Future

As a part of the PES Day celebrations, on 18th May IEEE PES Kerala Chapter, in collaboration with IEEE SB RIT and IEEE SB GECT Chapter, hosted an online interactive talk session on 'Powering a Climate Safer Future'.

Photovoltaic Solutions Helping   the Global Energy Transition

A webinar on 26th May on "Photovoltaic Solutions Helping the Global Energy Transition" under the series of events SPARK by the IEEE R10 PES Student Chapter Committee.

PES SLT, YP and Advisors meet up

The first ever offline execom meet up of IEEE PES SLT 2022 &23-YP-SBC Advisors was held on 28th May in Bolgatty Palace, Kochi.

Basics of Low frequency oscillation and methods for improving their damping in Power system

IEEE PES Kerala Chapter held an International Lecture on 31st May on "Basics of Low frequency oscillation and methods for improving their damping in Power Systems".

World Environment Day

Under IEEE PES Kerala Chapter, various programs were conducted on World Environment Day on 5th June by different colleges.

Understanding Mat lab Solvers for Power Electric Simulation

On 22nd June, "Enlighten", featuring its first webinar titled "Understanding MATLAB Solvers for Power Electronics Simulation" was conducted.

Photonics Society

International Day of Light Celebration

Celebrated the International day of light on 16th May at Nippon Kerala Centre, Kalamassery.

World Environment Day Program A Panel Discussion on 9th June 2023 at International School of Photonics, in connection with World Environment Day.

Bootcamp 2.0 on Drone/UAS Allied Technologies
(9th to 13th May 2023)

NATIONAL INSTITUTE OF ELECTRONICS AND INFORMATION TECHNOLOGY, CALICUT

Distinguished Lecture Program

Chapter collaborated with IEEE Education society Chapter for a Webinar titled "Evolution of Light and Engineering Brilliance of Blue Light" by Mr. Abhinav. R, JRF, IIT Palakkad on 24th June, 7.30 PM in Virtual mode.

ROBOTICS & AUTOMATION SOCIETY (RAS)

All Kerala Robotics and Automation Society Conclave 2022-23 (AKRASC 2.0)

The Panel Discussion was held as a part of the second edition of the flagship event.

Talks and workshops were arranged on the 10th and 11th. SB CET at the College of Engineering, Trivandrum. Topics were Space Robotics, Mobile Manipulators in Modern Industry and Agriculture Marine Robotics: Accelerated Architectures for Deep Neural Networks, Challenges and Opportunities, The World of Brain-Computer Interface, Workshop on RPA (Robotic Process Automation), and Workshop on Vega Processor.

BootCamp 2.0 on Drone/UAS Allied Technologies - Workshop on Drones and its Applications

Online talk session on Types, Anatomy, Mobility & Ethics of Robotics - Robotics & Intelligent Systems Sessions 1 & 2 were organized.

Webinar series featuring women engineers from the Robotics domain - The RoboCrew Tales. Session 3: Autonomous Robotics, Basic Ideas, and Applications

The RoboCrew Tales: Autonomous Vehicles & Sensor Fusion in autonomous vehicles - Webinar series featuring women engineers from the Robotics domain

SIGHT

Major events organized are:

1. ENCORE PHASE 2 - INITIATE SIGHT

2. Meeting with IEEE CEC SIGHT Group for Proposal

3. Communication Protocols I2C and SPI - R&D Team

4. Electronic Speed Controllers and Flight Controllers - R&D Team

5. IEEE Kerala Section and Humanitarian Projects:Witness to History

6. Introduction to SolidWorks- R&D Team

7. F2F meeting report

8. Case Study on Solar drivers by Prof. Gayathri Manikutty

9. General R&D

10. STEM.PY DISCUSSIONS

12. Session on OpAmps and ADCs

13. BLE and WiFi Communication

14. SIGHT CAMP'23: VISIT TO KUTHIRALAKUDI

15. Meeting with IEEE MOVE INDIA Committee to Manufacture Disaster Resilience Products under IEEE SIGHT R&D Kerala in Collaboration with IIT Palakkad.

16. Meeting Report of Project- 'Resilient Light'

17. Meeting Report II of Project - 'Resilient Light'

Kharagpur Section

Reported by
Dr. Mrinal Mandal
Section Chair

Kharagpur Section Women in Engineering Affinity Group Activities	
Section name:	IEEE Kharagpur Section
Event name:	Invited lecture
OU name:	IEEE Women in Engineering Affinity Group Kharagpur Section
Reporter name:	AtreyeeKundu
Designation in OU:	Chair

Event details:

The IEEE Kharagpur Section Women In Engineering affinity group organized an invited talk on "Learning to Learn: Understanding Generalization and Quantifying Uncertainty via Information Theory" by Dr. Sharu Theresa Jose, Assistant Professor, Department of Computer Science, University of Birmingham, United Kingdom. The talk was conducted on 12-04-2023 during 6pm-7pm IST in online mode. The speaker described her recent works towards determining the right choice of inductive bias in any learning task from an information theoretic perspective. The results include an optimal choice of the hypothesis space (or model class) and that of the hyper parameters of a learning algorithm (such as learning rate or initialization).

Event date: 12-04-2023

Participants: 5

Section name:	IEEE Kharagpur Section
Event name:	IEEE AP-DL Lecture on "The Design of Compact & Wideband Antennas"

OU name:	IEEE APMTTs Kharagpur Section
Reporter name:	Anuradha Gupta
Designation in OU:	Vice Chair

Event details:

The IEEE AP-MTTS Student Branch chapter at IIT Kharagpur, in collaboration with the Kharagpur section, hosted a remarkable IEEE AP DL Talk on May 19th, 2023. The event centered on the intriguing topic of "The Design of Compact & Wideband Antennas." Distinguished lecturer, Prof. ZhongxiangShen from the School of Electrical and Electronic Engineering at Nanyang Technological University, Singapore, delivered an enlightening presentation.

In his talk, Prof. Shen addressed the pressing challenge antenna engineer's face in meeting the growing demand for wireless connectivity and services. The primary objective is designing antennas with wide-band or multiband capabilities while maintaining a significantly small footprint. Prof. Shen meticulously explored this paradoxical challenge and proposed various strategies to overcome it. The session began with an overview of the fundamental concepts for achieving wide-band operation in antennas. Prof. Shen then introduced effective techniques for minimizing the antenna's size without compromising its wide-band functionality. He showcased several practical examples of successfully designed compact and wideband antennas to exemplify these principles.

The event garnered immense interest, attracting an

audience of 40 participants from the IIT Kharagpur IEEE community. The attendees actively engaged in a brief yet insightful question-and-answer session, leveraging the opportunity to clarify their doubts and delve deeper into the topic. The IEEE AP DL Talk proved to be a resounding success, leaving a lasting impact on the audience. The event showcased the commitment of the IEEE AP-MTTS Student Branch chapter at IIT Kharagpur to foster knowledge sharing and advancement in the field of antennas and wireless communication.

By organizing this talk, the chapter provided a valuable platform for professionals and enthusiasts to stay abreast of cutting-edge research and developments in antenna design. The event's success is a testament to the chapter's dedication to promoting excellence in engineering education and research. The IEEE AP-MTTS Student Branch chapter at IIT Kharagpur looks forward to hosting more such engaging events in the future, contributing to the growth and dissemination of knowledge in the field of antennas and microwave theory.

Event date: 19-05-2023

Participants: 40

Pics:

Section name:	IEEE Kharagpur Section
Event name:	ADMINISTRATIVE MEETING
OU name:	IEEE HIT SB - STB66361
Reporter name:	AbhinavKashyap
Designation in OU:	Chair

Event details:

The IEEE HIT SB conducted an administrative meeting on 15-04-2023 to address and plan for the upcoming workshops and events scheduled in the following months. Various topics were deliberated, including workshop themes, resource allocation, guest speaker invitations, and marketing strategies. Each member contributed their

ideas and expertise, fostering a collaborative environment aimed at maximizing the impact of the upcoming activities.

Event date: 15-04-2023

Participants: 45

Section name:	IEEE Kharagpur Section
Event name:	IEEE MEMBERS DEVELOPMENT PROGRAM
OU name:	IEEE HIT SB - STB66361
Reporter name:	AbhinavKashyap
Designation in OU:	Chair

Event details:

The IEEE HIT SB organized members development program on 17-05-2023 from 07:00 pm to 10:00pm in online mode. In the program the members were introduced about the basics of Python programing language and Arduino.

Event date: 17-05-2023

Participants: 40

Section name:	IEEE Kharagpur Section
Event name:	SMART VISION ROBOT: PYDUINO
OU name:	IEEE HIT SB - STB66361
Reporter name:	AbhinavKashyap
Designation in OU:	Chair

Event details:

The Workshop of SMARTVISION ROBO: "PYDUINO", was conducted by IEEE_HIT_SB from 19th to 21st of May' 2k23. Day 1 was inaugurated by Ms. Mohini Singh, the WIE Chair and Joint Secretary. The participants were taught Basics of Python and Arduino Basics. Spandan Das and Ayush Kumar took command on DAY 1.

Day 2 was inaugurated by Sushant Kumar, Secretary. The topics covered was Basics of Python, Arduino and Open CV + Mediapipe. Ayush Kumar, Spandan Das and AbhinavKashyap from the Technical team shared their knowledge with the participants. The event consists a couple of lectures and hands-on practice of circuit making and finally the participants were successfully able to control their servo motors and led with the help of hand gestures. After the successful completion of the Workshop, there was a certificate handling program at end.

Event date: 19-05-2023 to 21-05-2023

Participants: Members-17 | Non-Members-59
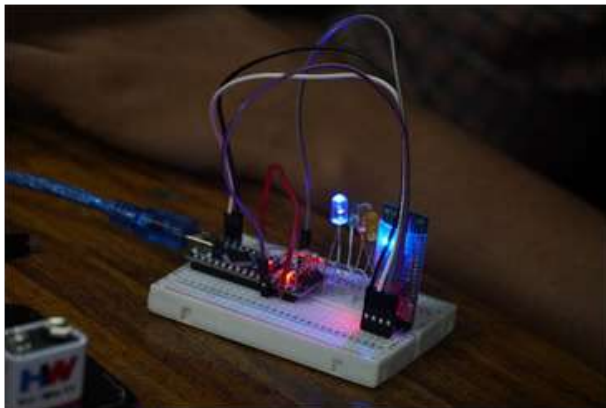
Section name:	IEEE Kharagpur Section
Event name:	SOURCE-O-CODE
OU name:	IEEE HIT SB - STB66361
Reporter name:	AbhinavKashyap
Designation in OU:	Chair

Event details:

IEEE HIT SB conducted SOURCE-O-CODE on 4th June 2023 on the Coding Ninjas platform. The event aims to foster a spirit of innovation and problem-solving among participants. It encourages them to think critically and develop creative solutions to coding challenges. Whether participants are beginners or experienced programmers, Source-o-Code provides a platform for everyone to learn and grow. Throughout the event, participants are presented with 6 coding problems that test their algorithmic thinking, data structures knowledge, and coding proficiency. These challenges are designed to be engaging and intellectually stimulating, pushing participants to explore new approaches and optimize their code.

Event date: 04-06-2023

Participants: Members-40 | Non-Members-234

Section name:	IEEE Kharagpur Section
Event name:	IEEE MEMBERS DEVELOPMENT PROGRAM
OU name:	IEEE HIT SB - STB66361
Reporter name:	AbhinavKashyap
Designation in OU:	Chair

Event details:

IEEE HIT SB had organized for INTERAGADO'23 on 9 June 2023 to honor our graduating seniors from IEEE. The event started with some golden words from our faculty coordinator dr. PratyayKonar and members of IEEE. Mr. Subham Kumar Singh passed their prestigious posts to well-deserving members of the new team.

Event date: 09-06-2023

Participants: 26

Section name:	IEEE Kharagpur Section
Event:	Technical Talks
OU name:	IEEE Engineering and Medicine in Biology Student Branch Chapter IIT Kharagpur Section

Reporter name:	AritaHalder(Talk 1 and Talk 2) and Pallab Das(Talk 3 and Talk 4)
Designation in OU:	Secretary and Treasurer

Talk1: Transforming Mental Health Care With Ai And Language Technologywhich highlights the following (a) counselling dialogue understanding, (b) rich dialogue generation in VMHAs, (c) understanding support-seekers in various counselling methods, and (d) counselling summarization.; Dr. TanmoyChakraborty,Associate Professor Indian Institute of Technology Delhi

Date: 11 May 2023 Venue: Virtual,

Participants: IEEE Members: 9, Guests: 9

Talk2: Distilling The Neural Code For Word Recognitionwhichdescribes about the neural basis of how letters and their positions are encoded in our brain whis not known. To investigate this, they devised a series of experiments to investigate the neural representation space of words and used compositional models to predict the response to words using their individual letter responses. Further, deep neural network based simulations helped them to track how the representations transit from retinotopic to the ordinal letter-position coding scheme. He also proposes a new schema on how letter positions might be encoded in our brains;Dr.

Aakash Agrawal, Postdoctoral Fellowship, Paris Region Fellowship Programme

Date: 19 May 2023 Venue: Virtual Seminar room

Participants: IEEE Members: 11, Guests: 12

Talk3: Active And Passive Imaging Strategies For Therapeutic Ultrasound Guidancewhich highlights the passive imaging approach using nonlinear beam formers for localizing the ablation region and an optical sensing method to guide therapy.He has also described a nonlinear imaging approach based on chirp-coded excitation and Volterra filtering for visualizing the ablation region; Dr. HimanshuShekhar, Assistant Professor, IIT Gandhinagar

Date: 24 Jun 2023 Venue: Virtual,

Participants: IEEE Members:12, Guests: 5

Talk4:The Role Of Artificial Intelligence In Eeg Driven Healthcarewhich highlights the opportunities and challenges in Artificial Intelligence (AI) driven healthcare through EEG Analysis. She has also discussed an example application in neuroscience covering artifact removal, feature selection, channel selection and source localization with context to AI. She has also briefly discussed about the generative AI, interpretable machine learning and the social impact of AI enabled EEG Analysis.; DrReshmaKar, Assistant Professor,Saint Peter's University, NJ, USA

Date: 27 Jun 2023 Venue: Virtual,

Participants: IEEE Members: 11, Guests: 3

Section name:	IEEE Kharagpur Section
Event name:	LaTeX for Technical Writing and Beamer Presentation
OU name:	IEEE Young Professionals Affinity Group Kharagpur Section
Reporter name:	Aditya Kameswara Rao Nandula
Designation in OU:	Chair

Event Details:

The IEEE Young Professionals Affinity Group Kharagpur Section, Kharagpur in collaboration with IEEE Raghu Institute of Technology Student Branch, Visakhapatnam is pleased to announce a two-day online workshop on LaTeX. In this workshop, we will showcase the advantage and usage of LaTeX for TechnicalWriting and Beamer Presentation. This workshop is targeted to the students, faculty or industry personnel who are interested in report, article, research paper writing, and presenting it in a more effective and interactive way.

Date of the event: 15-16 April 2023

Time: 10:00 am to 1:00 pm(each day)

Event mode: Virtual (through MS teams)

Key Takeaways:

- A better understanding of LaTeX and Beamer

- Online and offline LaTeX script handling

- Identifying proper IEEE conference or journal paper format

- E-Certificate will be issued to active participants on both days

Participants:

Day 1: 133

Day 2: 110

Event flier and pics:

Section name:	IEEE Kharagpur Section
Event name:	"Me as the IEEE Volunteer"
OU name:	IEEE Young Professionals Affinity Group Kharagpur Section
Reporter name:	Aditya Kameswara Rao Nandula
Designation in OU:	Chair

Event Details:

On the occasion of first IEEE India Council day, the IEEE Young Professionals Affinity Group Kharagpur Section in collaboration with IEEE Kharagpur Section is conducted an hybrid event titled "Me as the IEEE Volunteer" on 21st April 2023 from 6:00 pm to 7:30 pm. In this event, we gathered to share some of the notable activities done as the IEEE Volunteer in the respective OU's under IEEE Kharagpur Section. The OU officers shared their motivation to be the IEEE volunteer and shared their notable events in their respective OUs. This event was led by the team Aditya, Soujanya, Diwakar, and Shailesh.

Date of the event: 21st April 2023

Time:6:00 pm to 7:30 pm

Event mode: Hybrid

Offline Venue:IEEE Office, NA-203, Nalanda Complex, IIT Kharagpur

Virtual: Through MS teams

Event Schedule:

S/N #	Description	Name of Speaker	Designation	OU name
1	Welcoming All	Aditya Kameswara Rao Nandula	Chair	IEEE YPAG Kharagpur Section
2				
3		Dr. Debdoot Sheet	Imm. Past Chair	IEEE Kharagpur Section
4		Dr. AlokKanti Deb	Membership Development Chair	IEEE Kharagpur Section
5		SoujanyaThallapalli	Vice-Chair	IEEE YPAG Kharagpur Section
6		Eashita Chowdhury	Vice-Chair	IEEE EMBS SBC, IIT Kharagpur
7	Me as the IEEE Volunteer	Anuradha Gupta	Vice-Chair	IEEE AP-MTTS SBC, IIT Kharagpur
8		AbhinavKashyap	Webmaster	IEEE HIT SB
9		PrajaktaSathe	Chair	IEEE IIT Kharagpur SB
10		Aakashjit Bhattacharya	Vice-Chair	IEEE IIT Kharagpur SB
11		AnanyaDey	Secretary	IEEE IIT Kharagpur SB
12		Apoorva Srivastava	Vice-Chair	IEEE SPS SBC, IIT Kharagpur
13		Kounteya Sarkar	Treasurer	IEEE CS SBC, IIT Kharagpur
14	Vote of Thanks	Aditya Kameswara Rao Nandula	Chair	IEEE YPAG Kharagpur Section

Participants: 16

Section name:	IEEE Kharagpur Section
Event name:	ICRA 2023 Stellite Conference Center
OU name:	IEEE Young Professionals Affinity Group Kharagpur Section
Reporter name:	Aditya Kameswara Rao Nandula
Designation in OU:	Chair

Event Details:

For the first time, we are bringing the ICRA experience to roboticists around the world via remote Satellite Conference Centres. IEEE Kharagpur Section will act as a Satellite Conference Centre for ICRA 2023. The IEEE Kharagpur Section in collaboration with IEEE Young Professionals Affinity Group Kharagpur Sectionhosted the ICRA 2023 Satellite Conference Center from 29th May - 2nd June 2023. This event coordinators are Prof. AlokKanti Deb, Membership Development Chair, IEEE Kharagpur Section and Mr. Aditya Kameswara Rao Nandula, Chair, IEEE YP AG Kharagpur Section. The volunteers Soujanya, Smriti, Eashita, Shailesh, Diwakar, Kamal supported at various stages of the event.

https://www.icra2023.org/satellite-conference-centres-zh89

Date of the event: 29th May 2023 - 2nd June 2023

Time: From 1:00 pm(each day)

Event mode: In person

Venue: IEEE Office, NA-203, Nalanda Complex, IIT Kharagpur.

Participants (29-5-2023 to 2-6-2023): 63

Event flier and pics:

Upcoming Events:

Section name:	IEEE Kharagpur Section
Event name:	IEEE R10 Young Professionals UpSkill 2023: Kharagpur
OU name:	IEEE Young Professionals Affinity Group Kharagpur Section
Reporter name:	Aditya Kameswara Rao Nandula
Designation in OU:	Chair

Event Details:

We are pleased to inform you that, the IEEE Young Professionals Affinity Group Kharagpur Section in collaboration with IEEE Kharagpur Section, and IEEE EMBS SBC IIT Kharagpur is organizing an event "IEEE R10 Young Professionals UpSkill2023 - Kharagpur" on 15-16 July 2023. This event is supported by IEEE Region 10 Young Professionals and IEEE UPP.

The theme for this event is RoBoNeeRs and its main focus is to give an overview of robotics to the participants who want to step into the robotics field. This event is packed with the keynote talks from industry and academia, hands-on sessions with software and electronic hardware.

https://www.icra2023.org/satellite-conference-centres-zh89

Date of the event: 15th May 2023 - 16th July 2023

Time: 9:00 am to 5:30 pm (IST)

Event mode: Hybrid

Offline Venue: IEEE Office, NA-203, Nalanda Complex, IIT Kharagpur.

Online: MS Teams (Link will be shared to the registered participants)

Event flier and pics:

Kolkata Section

Dr.ChandiPani
Kolkata

IEEE Kolkata Section's Sir J.C. Bose Milestone Program

It was a mesmerizing experience in organizing the IEEE Kolkata Section's Sir J. C. Bose Milestone Lecture on April 10, 2023 at Dr. Triguna Sen Auditorium, Jadavpur University, well attended by almost 200 audiences, include academicians, industry professionals, scientists and students from various Institute across the state of West Bengal. Several luminaries in the field of science and technology joined in celebrating the legacy of Acharya Jagadish Chandra Bose and pay homage to his immense contribution towards humanity.

The milestone lecture was delivered by Dr. Goutam Chattopadhyay, Senior Scientist, NASA's Jet Propulsion Laboratory, USA on the topic, NASA Millimeter-Wave and Terahertz Space Instruments: 'Following Sir J. C. Bose's Footstep'

At the onset Prof. ItiSahaMisra, Chair, IEEE Kolkata Section addressed and welcomed the august gathering highlighting Sir J.C.Bose's life and immense research work across the fields of Engineering, Physicsand Biology. An insightful recount of the historical relevance of the Milestone Lecture was delivered by Prof. Sivaji Chakravorti, Professor, Department of Electrical Engineering, Jadavpur University and former

Chair of IEEE Kolkata Section. This was followed by a deliberation by Prof. Parul Chakrabarti, Coordinator, J. C. Bose Science Heritage Museum, Acharya Bhaban. She highlighted the various path breaking contributions of the revered polymath and the ongoing efforts in conserving the scientific set-ups in conjunction with the Government of India.

Audiences at the J.C. Bose Milestone Event

Dr. Chattopadhyay highlighted how NASA has been building millimeter-wave and terahertz space instruments for decades inspired by the work of legendary Prof. J. C. Bose who worked on them in the late nineteenth and early twentieth century.

Section Chair Prof. Iti Saha Misra awarding plaque to Milestone Speaker Dr. GoutamChattopadhyay at Dr. Triguna Sen Auditorium, Jadavpur University, Kolkata

Celebrating IEEE India Council Day by Kolkata Section: two-day hands-on workshop on VEGA Microprocessor ecosystem during 17-18 April, 2023.

Students doing hands on program with Vega processor

program at the Electrical Engineering Department, Jadavpur University by organizing a two-day hands-on workshop on VEGA Microprocessor ecosystem. A team of 3-scientists from CDAC (Center for Development and Advanced Computing, Trivandrum, Govt. of India) provided a hands-on training on the indigenous VEGA Microprocessor boards. There was 56 participants (40 IEEEmembers + 16 Non-IEEE members) attended the workshop successfully.

Celebrating India Council Day by IEEE Kolkata Section on 17 th April 2023

2-day hands on workshop on Vega Microprocessor by C-DAC scientists

EarthXChange, a unique event organized by IEEE Jadavpur University Student Branch aimed to address the urgent need for action on climate change. The event brought together industry professionals, students, and participants interested in finding sustainable solutions to combat climate change. The event began with a warm welcome note delivered by Urwah Jawed, the Chair of IEEE SB, Dr. Sarbani Roy, CS Chair, and Dr. Sayan Chatterjee, the branch Counsellor. The inauguration was marked by an inspiring speech from Prof. Iti Saha Misra, Chair, IEEE Kolkata Section, which set the tone for the

day's activities. Apart from the invited speeches, there are two competitive tracks for the students: Climate Connect and Venture Quest, which aimed to foster data analysis techniques, problem-solving capabilities, and entrepreneurial spirit.

Dr Iti Saha Misra(Chair, IEEE Kolkata Section), Dr Sayan Chatterjee(Branch Counsellor), Dr Sarbani Roy(CS Chair) along with the esteemed Speakers, the Volunteers and Speakers talk session attendees.

**Dr. K. Porkumaran
Chair**

Madras Section

Mas Student Project Funding Project Expo and Award Ceremony

IEEE Madras section hosted the IEEE MAS Student Project Funding- Project Expo and Award Ceremony on May 23 at Birla Planetarium in Chennai. Students from diverse Student branches (SB) participated in the event and demonstrated their projects.

Dr.K.Porkumaran, IEEE Madras Section Chair, highlighted the section's accomplishments and described the section's new initiatives and impending schedule of events. Dr. G. Sainarayanan, Technology

Director at HCL Technology Ltd., and IEEE SPF Chief Guest, discussed the significance of New Technological Innovations in addressing societal needs.

The jury consisted of Dr. V. Bala Naga Jyothi, Scientist E, Deep Sea Technologies, NIOT; Dr. V. Kamaraj, Professor at SSN college of engineering; Dr. R.G. Sangeetha, IEEE MAS Execom Member; and Dr.D.Vydeki, Professor, School of Electrical and Electronic Engineering, VIT Chennai. Dr. V. Nagarajan,Chair, Sub-Committee IEEE Student Project coordinated the event.

"IEEE Madras Industry Forum 2023 (MASIF 2023)"

The session provided valuable insights into recent scientific developments, allowing students to expand their knowledge and network with research entities. Cash prizes where distributed to winners & participants.

IEEE Madras Section & IEEE MAS Young Professionals hosted 'IEEE Industry Forum - 2023' on 01.04.23, at VIT Chennai Campus. In today's rapidly evolving business landscape, the integration of technology and business practices is crucial for success across various industries. The event aimed to foster collaboration and bridge the gap between industry and academia. The event was sponsored by the IEEE Madras Section, IEEE Madras Young Professionals and IEEE Madras Women in Engineering.

Dr. K. Porkumaran, Chairman of IEEE Madras Section and Principal/Senior Professor at Sri Sairam Engineering College, initiated the session with a Welcome address. Respected Chief guest, Mr. George Koshi, Director of Learning & Development at Sify Technologies Ltd and a Leadership Coach and Design Thinker, took part in the event. Event's Special address was given by Dr.KanchanaBhaaskaran V. S, Pro-Vice Chancellor at VIT Chennai Campus; Keynote address was given by Dr. S. Joseph Gladwin, Vice Chairman - Industry at IEEE MAS and associated with Big Cat Wireless Pvt Ltd in Chennai and Dr.VydekiVijayakumar, Counsellor at IEEE VIT Chennai SB. The thanking note for the inaugural session given by Mr.Ashvanth B, ExCom Member, IEEE Madras Section, Vice Chair, IEEE Madras YP.

The event was filled with exceptional speakers who shared their expertise and inspired the participants. Mr.Vinod Sharma, the Area Sales Manager, Key Accounts at Siemens, delivered a talk on the promising career path of product management. He provided a clear vision of this field and offered valuable insights and ideas for success. Ms.RadhaRengachari, the Founder & CEO of Spikra Pvt Ltd, discussed the transformation of passion projects into real businesses. She shared practical strategies and entrepreneurial ideas, encouraging the budding minds in the audience.

Mr. S. Princely Samuel, a Senior Associate in Learning & Development at Infosys, shed light on the crucial role of human resource management. He explored both fundamental and advanced concepts necessary for thriving in rapidly evolving industries, emphasizing the importance of understanding people to comprehend the world. Overall, these speakers contributed to an enlightening and engaging event, leaving participants inspired and equipped with valuable knowledge.

A Panel discussion was also held during the forum with a focus on the topic "Equip Yourself As Per The Industry Standards. Mr.Ashvanth B, ExCom Member, IEEE Madras Section, Vice Chair, IEEE Madras YP, served as the moderator for the panel discussion. The panel discussion featured industry experts from Infosys who shared their insights and experiences regarding the current scenario in IT fields and offered advice on how to equip oneself as per industry standards. The panelists were as follows: Mr.SriniMurali, Lead BPHR, Infosys, discussed the prevailing trends and challenges in the IT industry. He emphasized the importance of aligning one's skills and knowledge with the dynamic IT environment. He provided valuable insights on how professionals can adapt and stay relevant in the rapidly changing IT landscape.

Ms.Hepzibah T, Lead BPHR, Infosys, focused on the analysis of major industry trends and highlighted strategies to navigate the IT environment successfully. She shared valuable advice on how professionals can handle the challenges and complexities of the IT industry while ensuring personal and professional growth. Mr.ArunPrashanth, Business Partner HR, Infosys Mr.ArunPrashanth shed light on the recruitment process in the IT fields. He discussed the essential skills and qualities that recruiters look for in candidates and provided

valuable tips on how to crack the recruitment process. His insights aimed to help aspiring professionals in their journey towards securing employment in the IT industry. Overall, these panelists contributed to an informative and engaging session.

Finally, the event ended with thanking all the participants and volunteers for their presence by Mr.Arun M, ExCom Member, IEEE Madras Section, Chair, IEEE Madras YP. The speakers were felicitated with memorandums. The participants were able to gain more knowledge on IEEE and had a great chance to expand their networking.

Major takeaways:

* To Create a bridge between industry and students.

* Effective understanding of future technology and trends that will change human life.

* Get a clear picture about recession and methods to tackle this problem.

* Come up with a solution with like-minded individuals.

* Create a bridge between the affected individuals and overcome individuals.

* Opportunity to re - enter workspace.

* Networking with prominent leaders.

IEEE Madras Computer Society Chapter

IEEE CS Madras, CSI Chennai & ACM Chennai Organized release of the book titled "Fun with Machine Learning" written by Mr.ArockiaLiborious, Practice Head, Data Science & Cognitive Analytics, ICICI Bank &Dr.Rik Das, Principal Consultant (Data Science), PwC India

on 15.5.23. Dr. B. Ravindran, Prof. Dept. of Computer Science & Engineering, Head, Robert Bosch Centre for Data Science and AI & Centre for Responsible AI, Indian Institute of Technology, Madras has released the book.

IEEE CS Madras, CSI Chennai & ACM Chennai Organized a ICT Tech Update Seminar on Metaverse, UI and UX, DP Law and Digital India Act, DevOps& Edge AI on 22.04.2023.

Sessions:

* Demystifying Metaverse and Business Value Creation Leveraging It by Mr. Sunil David, Digital Technology Consultant, Ex Regional Director (IOT), AT&T

* UI and UX in Application Development by Mr.ShivanKannan, Design Community Leader, Interaction Design Foundation

* Personal Data Protection Law and Digital India Act by Na. Vijayashankar (Naavi), Promoter Naavi. org and Chairman, Foundation of Data Protection Professionals in India

* DevOps Practice in Software Development by Mr. Sridhar Pandurangiah, Founder and Chief Technology Officer, Sastra Technologies Pvt Ltd

* Edge AI Models for Smart Applications by Dr.Pethuru Raj, Vice President & Chief Architect, Edge AI Division, reliance Jio Platforms Ltd

* Mini ICT Quiz (with cash prizes) by Mr. H.R. Mohan, Chair-Events &Imm. Past Chair, IEEE Computer Society, Madras

IEEE CS Madras, CSI Chennai & ACM Chennai Organized a webinar on

1. Digital Disruption - Impact on Financial Services by Mr. Chandra Mouli Director, Pi One Technologies on Saturday, 24.06.23 :: Time: 6 pm to 7.15 pm IST

2. Design Thinking for Innovation by Dr. V. MuraliBhaskaran, Dean-Academics and Professor in CSE Rajalakshmi Engineering College, Chennai on Saturday, 10.06.23 :: Time: 6 pm to 7.15 pm IST

3. Systems Thinking for Profession and Life on 06.05.23

by Dr. L. S. Ganesh, Professor (retired), DoMS, IIT Madras, VC, ICFAI Foundation of Higher Education. Hyderabad &Dr. T. S. Hariharan,Assistant Professor, Bharathidasan Inst. of Management, Trichy

4. Machine Learning, Artificial Intelligence and Optimization, Opportunities for Inter-Disciplinary Innovation by Dr.Radhika Kulkarni, Former Vice President (Advanced Analytics R&D), SAS Institute Inc., USA,2022 President of INFORMS on Saturday, 29.04.23 :: Time: 6 pm to 7.15 pm IST

5. Is Language Art, Science, Technology or Engineering? by Dr. VLN Simhan, rofessor and Chair, Department of Computer Science, outhern Georgia University, Statesboro, GA, USA on 29.03.23, Time: 6 pm to 7.15 pm IST

IEEE Madras Power Electronics SocietyChapter

"Webinar on Optimization Methodology in Power Electronics"

IEEE Madras Power Electronics Society Organized Webinar on Optimization Methodology in Power Electronics by Dr.AnamikaYadav on 22.06.23. The event covered crucial ideas about the Optimization Methodology in Power Electronics, where they delve into the techniques and strategies that revolutionize the efficiency and performance of power electronic systems. This webinar brings together to share their knowledge, practical insights, and cutting-edge research and their Salient features. Session was organized by Student coordinators Jasmine J and Alex A, Student Execom members of IEEE MAS PELS.50 participants participated.

"IEEE MAS Signal Processing Society Chapter"

SPECTRA - 75THYear of IEEE Signal Processing Day Celebration

"Signal Seekers"

IEEE Signal Processing Society Madras Section Chapter in collaboration with Sri Sairam Engineering College

Sirukalathur, Tamil Nadu, India
CS BLOCK, SRI SAIRAM ENGINEERING COLLEGE, Sai Leo Nagar,
Sirukalathur, Tamil Nadu 602109, India
Lat 12.961493°
Long 80.057605°
02/06/23 10:27 AM GMT +05:30

organized an event Signal Seekers as a part of SPECTRA on the occasion of 75th Inaugural Anniversary of the Signal Processing Society (SPS) on 02.06.2023. Event had two rounds, Round 1: Quiz Enigma and Round 2: Final Round. The event focused on signal processing. In this event, clues and questions related to this technical field. The teams were presented with a tangram puzzle. Once they arranged the puzzle correctly, they discovered a QR code hidden behind it. Scanning the QR code revealed a riddle related to signal processing. The teams solved the riddle to find the answer. The student coordinators Mahalakshmi, Ramakrishnan, Monikha, Vijay Bala, Kaviyarasi coordinated the event along with the Staff Coordinator M. A. Rashmi AP/ECE.

"Fourier's Fantasy"

IEEE Signal Processing Society Madras Section Chapter in collaboration with Sri Sairam Engineering College organized an event Fourier Fantasy as a part of SPECTRA on the occasion of 75th Inaugural Anniversary of the Signal Processing Society (SPS) on 02.06.2023. Event had two rounds, Round 1: Quiz Enigma and Round 2: Final Round. The event is centeredaround the concept of "Fourier Transform" At the beginning of the event,

Sirukalathur, Tamil Nadu, India
CS BLOCK, SRI SAIRAM ENGINEERING COLLEGE, Sai Leo Nagar,
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Long 80.057606°
02/06/23 12:06 PM GMT +05:30

Coordinator provided an explanation of the Fourier Transform and its significance in our daily lives. This introduction aimed to ensure that all participating teams had a solid understanding of the concept before proceeding with the event. Teams are evaluated based on individual task completion and the ability to justify their chosen keyword/answer, ensuring each member performs their assigned role effectively. The student coordinators Mahalakshmi, Ramakrishnan, Monikha, Vijay Bala, Kaviyarasi coordinated the event along with the Staff Coordinator M. A. Rashmi AP/ECE.

"Word Wave"

IEEE Signal Processing Society Madras Section Chapter in collaboration with Sri Sairam Engineering College organized an event Word Wave on 02.06. 2023.This event consisted of 2 members in a team where the 1st person has to choose the select a word from the set of words and within 3 clues the person 2 should have guessed the word and pick up the next word and this cycle continues till 3 minutes. The participant should not say any sentence, not show sign languages or give clues in other languages except English. The student coordinators Mahalakshmi, Ramakrishnan, Monikha, Vijay Bala, Kaviyarasi coordinated the event along with the Staff Coordinator M. A. Rashmi AP/ECE.
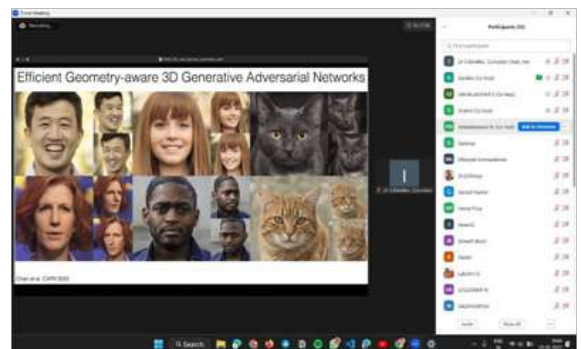
"Distinguished Lecture Program on Efficient Neural Scene Representation, Rendering and Generation."

IEEE Signal Processing Society(SPS) Madras Section Chapter in association with IEEE SEC SPS SBC, ECE ,Sri Sai Ram Engineering College & IEEE Madras Section organized a Distinguished Lecture Program on Efficient Neural Scene Representation, Rendering and Generation Gordon Wetzstein, Associate Professor, Electrical Engineering Department, Faculty Co-Director, Stanford University on 25.2.2023 at 7:00 pm. The Speaker Gordon Wetzstein discussed the expressive scene representation network architecture, efficient neural rendering approaches, and generalization strategies that allow us to generate photorealistic multi-view-consistent humans or cats using state-of-the-art 3D GANS in the session. More than 100 professional members attended.

• Recent Trends in Biomedical Image Analysis by Dr.VarunGopi, NIT, Tiruchirappalli

"Distinguished Lecture Program on Statistical Inference Bounds on Computational resources"

Department of ECE ,SriSai Ram Engineering College in association with the IEEE Madras Section, IEEE Signal Processing Society Madras Section Chapter , IEEE SEC SPS SBC organized a Distinguished Lecture Program on Statistical Inference Bounds on Computational resources by Prof.Gesualdo Scutari, Department of Industrial Engineering, Scientific Director for Big Data Analytics, Purdue University on 15.2.2023. Prof.Gesualdo Scutari addressed some vignettes from high-dimensional statistical inference suggesting new analyses aiming at bringing statistical thinking in distributed optimization and also about the Modern massive datasets how they create a fundamental problem at the intersection of the computational and statistical sciences: how to provide guarantees on the quality of statistical inference given bounds on computational resources, such as time and communication efforts were discussed . More than 100 professional members attended

"Distinguished Lecture Program on Neural Language Generation: From Self- Supervised Representation Learning to Multimodal Contextualization."

Department of ECE ,SriSai Ram Engineering College in association with the IEEE Madras Section, IEEE Signal Processing Society Madras Section Chapter , IEEE SEC SPS SBC organized a Distinguished Lecture Program on Statistical Interference Bounds on

Computational resources on 22.2.2023. The Speaker Nancy.F.Chenillustrated how to harness the capabilities of these language models in a research perspective and also on-going technical challenges. The Speaker delve into four research themes: scalable data augmentation, factually consistent generation, controllable neural modelling, and multimodal contextualization. The speakers delivered More than 100 professional members from all zones of the India attended the FDP and the participants were presented with E-certificates.

"Seasonal School on Optical Signal Processing for Communication Computing & Sensing"

 Department of ECE ,SriSai Ram Engineering College in association with the IEEE Madras Section, IEEE Signal Processing Society Madras Section Chapter , IEEE SEC SPS SBC organized a 5 days hybrid mode Faculty Development Program on Optical Signal Processing For Communication, Computing & Sensing from 6.3.2023 to 10.3.2023. The inauguration ceremony started with a Welcome address by Dr.S.Brindha, Convenor of the FDP & Vice Chairman-SPS Madras section Chapter , the Inaugural Address by Dr.K.Porkumaran, Chairman-IEEE MASand Special address by Dr J.Raja , HoD /ECE. The speakers delivered most of the latest information about Optical Signal communication technologies and research work carried out in the field of antenna, Optical Communications, MM wave and hands session for Machine Learning, Optical simulation tools and HFSS. Technical sessions are handled by eminent personalities from prestigious Institutions & Industry like Dr M.GaneshMadhan, Dr SrinivasT , Dr A Gowri , Dr N.Venkateswaran,DrS.Brindha , Dr PreetaSharan , Dr Meenakshi , Dr Sandip Kumar Roy, Dr Tejendra Dixit, Dr Shanthi Prince. More than 100 professional members from all zones of the India attended the FDP

"FDP on Emerging Trends in Biomedical Engineering Research for Healthcare 4.0"

IEEE MAS SPS & SSN College of Engineering organized a FDP on "Emerging Trends in Biomedical Engineering Research for Healthcare 4.0" on 27-29.03.23. Speakers of the event includes:

- Neuromorphic Circuits by Dr.Binsu J Kailath, ECE, IIITDM, Kanchipuram,

- Evolution of Medical Robotics and its Current Status by Dr.TummalaSaiVenkat Manoj,Chennai Urology and Robotics Institute, Chennai

- Medical device design by Dr. De Britto, ICMR-Vector Control Research Centre Puducherry

- Biomechanics and 3D Printing by Dr. M. Marieswaran,ECE, NIT, Raipur

- Biomedical Image Processing by Dr.PriyankaKokil,ECE,IIITDM, Kanchipuram

- The Role of Computational Physiology in Modern Healthcare by Dr Hemalatha K,ECE,Bannari Amman Institute of Technology,Sathyamangalam

- Medical Device Standards, Patient safety and Risk assessment by Srinivasa Raja, Phoenix Medical Systems (R&D), Chennai

- Retinal Disease Classification with Thermography by Dr. N. Venkateswaran,BME, SSNCE Chennai

- Medical Data Analytics and Visualization by Mr. S. S. Siva Kumar ,NEC corporation of India,Chennai

- Augmented reality for medical application by Dr. S. Pravin Kumar, BME, SSNCE Chennai

- Aids and assistive devices for mobility enhancement by Dr. M. DhanaLakshmi, BME, SSNCE Chennai

- Medical Image Retrieval by Dr. Vijay Jeyakumar, BME, SSNCE Chennai

IEEE Madras Vehicular Technology Society Chapter

"Technical Talk on Wireless Charging"

IEEE Vehicular Technology Society Madras Section Chapter organized technical talk on 12.05.2023 at 8.00 AM. The Program started with a Welcome address by Dr.S.Brindha, Chairman-VTS Madras section Chapter. The technical talk on the topic Wireless Charging was delivered by Dr Chris Mi, Distinguished Professor of Electrical and Computer Engineering, San Diego State University. The speaker has explored wireless charging

uses cases use cases in an interesting example. More than 125 professional members from all zones of the India attended the talk.

"Technical Talk on Software Defined Distributed Battery Management Systems"
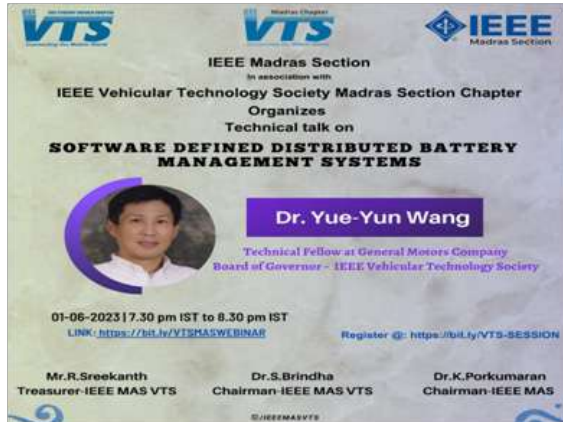
IEEE Vehicular Technology Society Madras Section Chapter organized a technical talk on 01.06.2023 at 7.30 PM. The Program started with a Welcome address by Dr.S.Brindha, Chairman-VTS Madras section Chapter. The technical talk on the topic Software Defined Distributed Battery Management Systems was delivered by Dr Yue-Yun Wang, a Technical Fellow at General Motors Company, USA. The speaker explored various software

defined battery management systems in an interesting manner. More than 145 professional members from all zones of the India attended the talk.

IEEE Madras Young Professionals

"Opportunities for YP in IEEE Computer Society"

IEEE Madras Young Professionals Affinity Group and IEEE Madras Section and IEEE Madras Computer Society Chapter organized a session on the topic Opportunities for YP in IEEE Computer Society on 24.04.2023. The Speaker of this session was Eric Berkowitz, membership development director of IEEE Computer Society, Senior Membership Marketing Leader: Strategy, Tactics, Execution, CX and Community Building. Mr.Arun M,
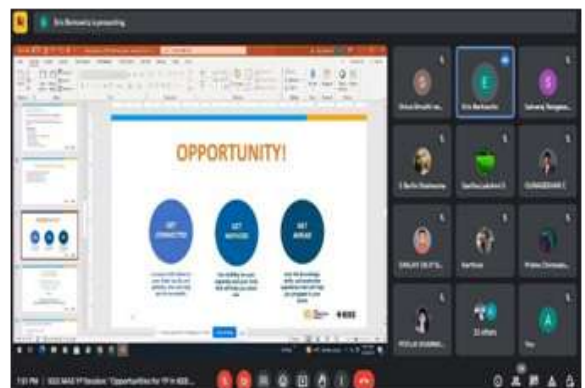
Chairman of IEEE MASYP and Ms.Akshaya S, Exe-com member IEEE MASYP welcomed the attendees and hosted the session.

The speaker shared geographic statistics of IEEE members and the statistics of grades of members in IEEE Computer Society in India. He provided the overview of the IEEE Computer Society. He emphasized the importance of joining society and highlighted the various opportunities it offers to young professionals.Next, he delved into the specific opportunities available for young professionals within the IEEE Computer Society. Participants learned about networking events, conferences, and publications that provide avenues for career growth and development. The speaker also discussed the importance of building a strong professional network and leveraging it to advance in the field.

The speaker shared about scholarship opportunities in the IEEE CS. He mentioned about the awards and recognitions provided by IEEE Computer Society for the active volunteers of the society. The session ended with a gratitude note delivered by Akshaya S. Around 40+ participants from 16 institutions joined and benefited from this session.

"Webinar on Women in Leadership through IEEE Activities"

IEEE Madras Young Professionals, Panimalar Institute

of Technology in association with IETE ISF and IEEE WIE had organised a webinar on Women in leadership through IEEE activities by Ms. Syed Sadia Hossain, Associate Manager, SME Products, BRAC Bank Limited on the occasion of IEEE WIE Day Celebrations 2023 on 21.06.2023. Ms. Syed Sadia Hossain explained about the typical and primary qualities of leaders. She also shared more information about IEEE Activities like technical, creative, grooming, humanitarian. The student coordinators Reshma B, Sushmitha M, Santha Lakshmi S and Deephikaa K G   coordinated along with staff coordinators Mrs. V. JeyaRamya, Dr. S. SathiyaPriya and Mr. M. Arun, Chairman, IEEE Madras YP.

 "Webinar on Key Essential for Professional Development for Young Engineers"

 IEEE Madras Young Professionals, Panimalar Institute of Technology in association with IETE ISF and IEEE WIE had organised a webinar on IEEE WIN/WIE: Key essential for Professional development for Young engineers by Kanika Singh, Project manager in ABS, IEEE NTC WIN Chair, IETE fellow on the occasion of IEEE WIE Day Celebrations 2023 on 22.06.2023. Kanika Singh explained about the essential professional skills like public speaking, time management, leadership skills, teamwork, Career plan. She also shared about power of collaboration and defined many terms like career plan, PDP, etc., Around 35 participants attended. The student coordinators Reshma B, Sushmitha M, Santha Lakshmi S, Prethi A coordinated along with staff coordinators Mrs. V. JeyaRamya, Dr. S.

SathiyaPriya and Mr. M. Arun, Chairman, IEEE Madras YP

"Webinar on Creativity, Technology and Women".
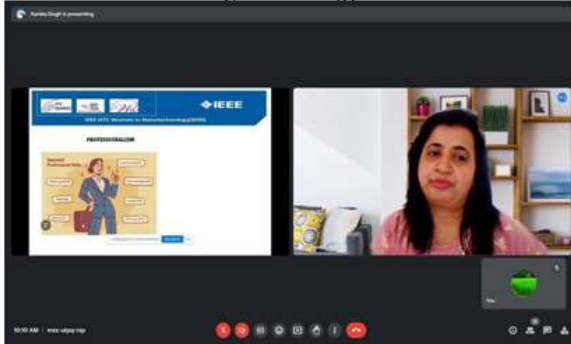
IEEEMadras Young Professionals, Panimalar Institute of

had organised a webinar on Creativity, Technology and Women by Ms.Nupur Kulkarni, Associate QA Analyst at PTC on the occasion of IEEE WIE Day Celebrations 2023 on 24.06.2023. Ms.Nupur Kulkarni explained about the qualities that defines creativity and elaborated about STEAM as science, technology, engineering, arts, mathematics which plays a major role in this modern world. Around 35 participants attended. The student coordinators Reshma B, Sushmitha M, Santha Lakshmi S and Kamaleeshwari P coordinated the sesion along with staff coordinators Mrs. V. JeyaRamya, Dr. S. SathiyaPriya and Mr. M. Arun, Chairman, IEEE Madras YP

"Webinar on By Empowering women, We Empower the

Nation"

IEEE Madras Young Professionals, Panimalar Institute of

Technology in association with IETE ISF and IEEE WIE had organised a webinar on By Empowering women, We Empower the nation by Ms.Preethi Daniel, Head of Partnership - I'm Safe on the occasion of IEEE WIE Day Celebrations 2023 on 26.06.2023. She explained how importance of Empowering women in society will cause Empowerment to the nation with several examples. She mentioned Technical, Leadership, Creative activities. Around 30 participants attended. The student coordinators Reshma B, Sushmitha M, Santha Lakshmi S and Narmadha K coordinated the sesion along with staff coordinators Mrs. V. JeyaRamya, Dr. S. SathiyaPriya and Mr. M. Arun, Chairman, IEEE Madras YP

"Webinar on Empowering Women in Tech: Navigating Career Challenges and Opportunities"

IEEE Madras Young Professionals,IEEE Madras Women in Engineering, Panimalar Institute of Technology and Panimlar Engineering College in association with IETE ISF and IEEE WIE had organised a webinar on Empowering

Women in Tech: Navigating Career Challenges and Opportunities by Ms.Shrutikuhar, Chairperson at IEEE WIE CU AG, SM & Communication, IEEE Smart Cities on 27.06.2023. Ms.Shrutikuhar mainly explained about the gender gap in tech with accuracy rate in all the domains. She focussed in the points where the stakeholders, policymakers and educational institutions need to put concern efforts and ended the session with challenging stereotypes. Around 35 participants attended. The student coordinators Reshma B, Sushmitha M, Monisha R and HariPriya K coordinated the session along with staff coordinator Mr. M. Arun, Chairman, IEEE Madras YP

"Webinar on Women in Technology "

IEEE Madras Young Professionals, IEEE Madras Women

in Engineering, Panimalar Institute of Technology and Panimlar Engineering College in association with IETE ISF and IEEE WIE had organised a webinar on

Women in Technology by Ms.SonaaRajgopal, Technical member at IEEE WIE VIT AG, Chennai on the occasion of IEEE WIE Day Celebrations 2023 on 29.06.2023. Ms.SonaaRajgopal talked about the challenges faced by women in society. She gave ideas on how to overcome it and what are the ways to achieve women leadership. She also played some powerful videos which motivated women to achieve their ambition and dream. Around 30 participants attended. The student coordinators Reshma B, Sushmitha M, Monisha R and HariPriya K coordinated the session along with staff coordinator Mr. M. Arun, Chairman, IEEE Madras YP.

"Webinar on Women in Leadership"

IEEE Madras Young Professionals, IEEE Madras Women

in Engineering, Panimalar Institute of Technology and Panimlar Engineering College in association with IETE ISF and IEEE WIE had organised a webinar on Women in Leadership by Ms.Varshaswi B, Intern at Ericsson, chairperson of IEEE Stanley For Womenon 29.06.2023. Ms.Varshaswi B discussed the different types of women's leadership includes integrated women and women of inspiration. She also briefed about the characteristics of women's leadership, the main challenges faced by female leaders and 10 reasons why we need more women in leadership. She concluded the webinar with the line female leaders need to take deep dives to integrate themselves and lead from their higher purpose. Around 35 participants attended. The student coordinators Reshma B, Sushmitha M, Deephikaa K G and Prethi A coordinated the session along with staff coordinator Mr. M. Arun, Chairman, IEEE Madras YP.

"Webinar on Gender Equity and Women Empowerment "

IEEE Madras Young Professionals, IEEE Madras Women in Engineering, Panimalar Institute of Technology and Panimlar Engineering College in association with IETE ISF and IEEE WIE had organised a webinar on Gender Equity and Women Empowerment by Dr.Harivarhagini, Professor & Head, EIE Department, CVR College of Engineeringon 30.06.2023. Dr.Harivarhagini explained about promoting equality and empowering women, addressed the key challenges and strategies for positive change, talked about exploring the importance of gender equity and working towards a more inclusive and empowering future for all. The student coordinators Reshma B, Sushmitha M, Santha Lakshmi S and Thigazhvazhaki B coordinated

the session along with staff coordinator Mr. M. Arun, Chairman, IEEE Madras YP.

First IEEE India Council Day Celebration - 2023

IEEE Madras Section, IEEE Madras Young Professionals cordially invites you to attend the Webinars as a part of the First IEEE India Council Day Celebration.

"Webinar on Powering Critical Applications on Earth Moon and Beyond"

IEEE Madras Young Professionals and IEEE Madras Section organized a webinar on Powering Critical Applications on Earth, Moon and Beyond by Harish SarmaKrishnamoorthy, Assistant Professor(Power & Energy), University of Houston on the occasion of First IEEE India Council Day Celebration 2023 on 22.04.23. Speaker discussed on the following topics Grids and Microgrids, Electric Grid Transformation, Subsea & Renewable Energy Interface, Offshore Operations,

Artemis Base, Electrochemical Power, and Energy Storage. He discussed how this application might be used in the future.Almost 40+ participants attended.

"Webinar on Complete Roadmap of Machine Learning"

IEEE Madras Young Professionals and IEEE Madras Section organized a webinar on Complete Roadmap on

Machine Learning by Ms.GeetaKakrani, Data Scientist, CEO, Kanishka Information Technology Private Limited & Ambassador, WTM Gwalior on the occasion of First IEEE India Council Day Celebration 2023 on 23.04.23. She provided an overview of machine learning and showed some examples of novel concepts. She also suggest some machine learning software.She carried out several programmes and provided project ideas. Almost 40 participants attended.

IEEE Madras Section SIGHT
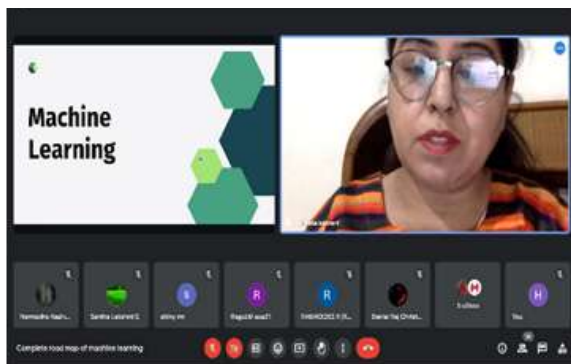
"HYGIENE HYDRO A RO WATER TREATMENT PLANT – LAUNCH"

HYGIENE HYDRO is a Humanitarian project proposed and

implemented by a student team of Sri Sairam Engineering College with a fund amount of 3500 USD from IEEE HAC/SIGHT. Our project focuses on providing clean drinking water to the general public of the village Pudhunallur. Our project aims to provide potable water by purifying impure water from nearby water bodies and making it fit for consumption.

The RO Water Plant HYGIENE HYDRO was launched

on June 23, 2023 at Pudhunallur in the presence of multiple dignitaries such as CEO of Sairam Institutions, Dr.Sai Prakash Leomuthu, Our Principal and IEEE Madras Section Chairman, Dr.Porkumaran, Principal investigator of our project, Dr.Umamaheswaran, Poonthandalam village President Mr.Gnana Prakash, and Village Union Councillor Ms.MalarvizhiMurugan, Project Leads, Mr.Niranjan Kumar, S and Mr.KharthickRham, along with the team members, Ms.Buvana C, Mr.GnanaPadmesh C K, and Mr.Ramkumar L.

The project was kickstarted with a laying of the first stone on January 06, 2023 in the presence of our Team with village president and members and it was implemented in three stages. Firstly, the civil construction of the building and water tanks was carried out. After which the whole RO plant was constructed along with the integration of pumps, Sediment filter, Carbon filter, and Polish filter for the purpose of filtration. Our project's implementation came to an end after the electrical and plumbing works were done.

Project Impact and Outcome

Reducing water scarcity, improving rural people's health and reducing water pollution to a greater extent. Our project also promotes sustainable development by recycling and reusing waste water, communities can reduce their dependence on non-renewable resources. This can help to reduce the cost of providing clean drinking water to community of 300 people and can also help to reduce the cost of treating and disposing of waste water rather than building new sources of freshwater.

RURAL SOLAR ELECTRIFICATION STATION - LAUNCH

Rural Solar Electrification Station is a humanitarian project undertaken by Sri Sai Ram Engineering Collegewith a funding of 4000 USDUSD (Rs.3,28,720) from IEEE HAC/SIGHT and was implemented in 3 phases. The project focuses on providing electricity to the neighbouring areas in case of natural calamities or in the situation of shortage of electricity. The Project "RURAL SOLAR ELECTRIFICATION STATION" is ideated to support the nearby villages in light of the fact of shortage of electricity and also to support the village members in case of occurrence of natural calamities.

The Project was launched on 23rd July 2023 atNallur Govt. Higher Sec School on the presence of multiple dignitaries such as CEO of Sairam Institutions, Shri. Sai Prakash Leomuthu, Poonthandalam Village President Mr.Gnana Prakash, Government High School Headmaster Mr. Stephen, Village Union Councillor Ms.MalarvizhiMurugan. The dignitaries were welcomed by Dr.SheelaThavasi, Head of IT Department, Sri SairamEngineering College and

Project coordinators Dr.Soma Prathibha and V.Narmadha explained about the project.

The inaugural of the project was kick started on 08-02-2023 at the Government High School in Nallur, Poonthandalam village and carried out in three phases. In the first phase, 8 Nos of Solar Panel Modules were installed and in the second phase DC Combiner Box connections, Solar Inverter connections and Solar Batteries Connections were given.AC Wiring connections were given as per the design from the Solar Inverter to the Termination point.Finally,4KW with 3.5KVA was started to have a test run and based on the Initial Test conditions the Solar Battery bank will have 54Vdc as max DC capacity with respect to the Charging/Discharging.

Project Outcome

Two Class rooms, Office Room, Staff Room, and Computer Lab appliances are connected to the solar plant 11 fans, 10 tube lights and 30 charging points are also made available and Expected 12KWhr of Solar Energy will be utilized from the Solar Off-Grid Inverter.

Pune Section

Dr. Surekha Deshmukh
Chair

VIIT Student Branchorganized the following activities in the second quarter comprising the period from April to June 2023.

Name of the session:"Bio-Medical Instrumentation & Design Workshop"

Date of Workshop: 03/04/2023 - 07/04/2023

Organizers: IEEE VIIT Student Branch, E&TC & Mechanical Departments.

Conveyor:Dr. ShraddhaHabbu HOD E&TC.

Co-conveyor:Dr. RohiniBhalerao-Panajkar, E&AS.

Faculty Co-Ordinator: Prof. Vishal Ambhore Assistant Professor, E&TC.

Organizing Committee:Prof. DiptiPandit, Branch Counsellor IEEE-VIIT &

Assistant Professor, E&TC. Mr. ShreeyashKelkar, Chairperson IEEE – VIIT Mr. Mayur More, Joint-Secretary IEEE – VIIT & IEEE - VIIT Committee.

About the Workshop: Bio-Medical Instrumentation & Design Workshop:This 5 Days workshop was held recently for students from SVJCT B.K.L. Walawalkar Hospital & Rural Medical College, Sawarde, Ratnagiri by the Faculty & Students of VIIT. This workshop was an inter-college event, and it was attended by both students and faculty of B.K.L. Walawalkar institution.

The purpose of the workshop was to provide a platform for the students to enhance their knowledge and skills in their field of study. Various sessions were conducted during the workshop, and speakers from VIIT were chosen to impart their Knowledge & Experiences.

Morning 9am - 10:30am: Inauguration, Introduction to Catia, use of Catia as tool for Modelling.

Resource Person:Prof. Praveen Rathod, Assistant Professor, Mech.

The Workshop was inaugurated by the Conveyor and Co-conveyor. The first session was scheduled to outline a training or workshop session focused on Catia, which is a computer-aided design software commonly used in the manufacturing, engineering, and product design industries. The session was scheduled to take place on Day 1 in the morning and lasted for 1.5 hours.

The main content of the session was an introduction to Catia, in which Prof. Praveen Rathod covered the basics of the software, its user interface, features, and tools. Participants also learned about Catia's use as a modeling tool, which involved creating 3D models of objects or structures. Sir likely demonstrated various modeling techniques and provided hands-on exercises for participants to practice using Catia.

As the session took place in a physical location, participants likely had access to computers or laptops with the Catia software installed. They were able to follow along with the instructor's demonstrations and complete the exercises provided. Additionally,

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participants had the opportunity to ask questions and receive feedback from the instructor.

Overall, this session aimed to provide participants with a foundational understanding of Catia and its use as a modeling tool. By the end of the session, participants should have felt comfortable navigating the software and creating basic 3D models.

Afternoon 3pm - 4:30pm: Case Study of a mechanical model using Catia&

Assignment

Resource Person:Prof. Praveen Rathod, Assistant Professor, Mech.

This session was built upon the morning session by providing participants with a practical application of the skills they had learned. During the afternoon session, participants were given a case study of a mechanical model and learned how to create it using Catia.

Prof. Praveen Rathod began by introducing the case study and explaining the objective of the assignment. Participants then observed the instructor as they created the mechanical model step-by-step using Catia. He explained the reasoning behind each step and demonstrated the tools and features used to create the model.

After the demonstration, participants were given an assignment to recreate the mechanical model on their own using the skills they learned during the session. As the session took place in a physical location, participants likely had access to computers or laptops with the Catia software installed. They were able to follow along with the he's demonstration and complete the assignment on their own.

The assignment was designed to test the participants' understanding of Catia and its use as a modeling tool. It might have required participants to use various tools and features of Catia to create the mechanical model accurately. The instructor provided feedback on the participants' work to help them improve their skills and provided guidance where needed.

Overall, the session aimed to provide participants with a deeper understanding of Catia and its application to real-world scenarios. By completing the assignment, participants had the opportunity to reinforce their understanding of the software and its use as a modeling tool. The practical application of the skills learned during the session helped participants retain the information and improve their ability to use Catia effectively.

Morning 9am - 10.30am: Introduction to Fusion 360, a tool forModelling.

Resource Persons:Nayan Sharma.&KshitijaSatao Students Mech.

During the session, participants learned the basics of Fusion 360, including the interface and navigation, sketching tools, and how to use constraints and dimensions to create precise models by Nayan Sharma &KshitijaSatao. They also learned how to create assemblies, apply materials and appearances, and perform simulations and analysis.

In addition to learning about Fusion 360, It is a CAD software primarily used in the automotive and aerospace industries. It is a powerful tool that allows users to create complex 3D models and assemblies. Participants learned how to use it alongside like Catia to model different parts and assemblies.

The session was 1.5 hours long and took place in the morning from 9:00am to 10:30am. Participants had the opportunity to ask questions and receive guidance as they worked through the exercises and learned about the different features and tools available in Fusion 360.

By the end of the session, participants had gained a foundational understanding of Fusion 360 as tools for modeling, and they were equipped with the knowledge and skills to create their own 3D models and assemblies.

Afternoon 3pm - 4:30 pm: - Case Study of a mechanical model using Fusion 360 &

Assignment.

Resource Persons:KshitijaSatao, Student, Mech.

During the afternoon session, Attendees had access of guidance and support from Miss. KshitijaSatao, who

was available to answer any questions they had and provide feedback on their progress & also had access to resources such as tutorials and reference materials to help you complete the assignment.

The assignment was designed to give you hands-on experience with Fusion 360 and to help you develop their modeling skills. By the end of the session, they had completed a 3D model of a mechanical part or assembly and had gained a deeper understanding of how to use Fusion 360 to create complex models.

Overall, the afternoon session was a practical and engaging opportunity to apply the knowledge and skills students had gained in the morning session and to further develop your modeling abilities.

The case study involved creating a 3D model of a mechanical part or assembly using Fusion 360. Students were provided with a set of specifications and requirements for the part or assembly, and you needed to use Fusion 360 to create a model that met these specifications. They had access of guidance and support from Miss. KshitijaSatao, who was available to answer any questions you had and provide feedback on your progress.

Morning 9am - 10:30 am:Basic Electronic Design Concepts, Different

Biomedical Sensor and Data sheets, Sensor Selection, Amplifier Design, Op Amp Selections, Data Acquisition System, and simulation.

Resource Person:Prof. Vishal Ambhore, Assistant Professor, E&TC.

The first part of the session focused on basic electronic design concepts, such as electronic components, circuit design, and circuit analysis. Participants learned about different types of sensors used in biomedical applications, their specifications, and the importance of sensor selection for accurate measurement and data acquisition.

Next, participants learned about amplifier design and the selection of op amps for biomedical sensor applications. The session covered the basics of amplifier circuits,

including operational amplifiers, and how to select the appropriate op amp for a given application.

The session also covered data acquisition systems and simulation, which are critical for accurately measuring and analyzing sensor data. Participants learned about different types of data acquisition systems, their specifications, and how to select the appropriate system for their application. They also learned about simulation techniques that can be used to design and optimize electronic circuits and systems.

Throughout the session, participants had the opportunity to ask questions and receive feedback from the Prof. Vishal Ambhore. They also had access to resources such as tutorials and reference materials to help them better understand the concepts covered in the session.

By the end of the morning session, participants had gained a deeper understanding of basic electronic design concepts, biomedical sensors, amplifier design, op amp selections, data acquisition systems, and simulation. They were better equipped to select and design electronic circuits and systems for biomedical applications.

Afternoon 3pm - 4:30pm: Circuit design and verification of parameters using EDA

Tools & Q&A

Resource Persons:Mayur More, Student, E&TC.

ShreeyashKelkar, Student, E&TC.

In the first half of the workshop on basics of Multisim taught participants by Mayur More how to use the software for circuit simulation and design. The session covered a range of topics, including the interface and navigation of Multisim, creation of simple circuits using basic components such as resistors and capacitors, and using advanced features such as the function generator and oscilloscope. By the end of the workshop, participants were able to design and simulate basic circuits using Multisim and had a better understanding of circuit simulation and design concepts.The workshop here by ShreeyasKelkar focused on the basics of high pass, low pass, and band pass filters. Participants learned about the different types of filters and their applications in signal

processing. He taught how to design and simulate each filter using Multisim software. Throughout the workshop, participants had the opportunity to ask questions and receive feedback. By the end of the workshop, participants had gained a deeper understanding of filter design and simulation and were able to apply this knowledge to their own projects.

In the second half, Mayur More taught the overall ECG demo model in Multisim tool & simulated the electrical activity of the heart and generate ECG waveforms. It includes a circuit model that incorporates the electrical behaviour of the heart and can be customized to simulate different conditions or pathologies. Overall, the Multisim ECG demo model is a useful tool for understanding the electrical activity of the heart and its relationship to the ECG waveform.

The calibration of DSO (Digital Storage Oscilloscope) was covered in a workshop by Mayur More, where participants learned how to calibrate the instrument to ensure accurate and reliable measurements. The workshop also covered the importance of calibration in obtaining accurate measurements and reducing measurement errors. By the end of the workshop, participants gained a better understanding of how to calibrate and use a DSO for precise electronic measurements on Multism.

Morning 9am-10:30am: - Arduino based circuit Design & Simulation, IoT Concepts Resource Person:Dr. PravinGawande, Assistant Professor, E&TC.

Dr. PravinGawande started the morning session by introducing the basic concepts of IoT boards and sensors to the attendees. He explained how these boards and sensors can be used to collect data from the environment, which can then be analysed and used to make decisions. He also discussed the different types of sensors that are commonly used in IoT applications, such as temperature sensors, humidity sensors, and pressure sensors.

After this introduction, He went on to explain some of the key concepts of IoT, including cloud computing, big data, and machine learning. He discussed how these technologies are used to process the large amounts of data that are generated by IoT devices, and how they can be used to make predictions and automate processes.

Following the lecture, the attendees were given the opportunity to work on designing and simulating Arduino-based circuits. He also demonstrated how to use software tools like Proteus to design and simulate circuits using Arduino boards and sensors. The attendees then worked on some sample circuits themselves, which gave them hands-on experience with designing and simulating Arduino circuits in afternoon session.

Overall, the session was very informative and provided a good introduction to the world of IoT and Arduino-based circuit design. Dr. PravinGawande was an excellent resource person, and his explanations were clear and easy to understand. The attendees look forward to applying the knowledge gained from this session in their future projects and endeavours.

Afternoon 3pm – 4:30pm:Sensor based circuit simulation using Blynk App, Q&A

Resource Persons:Mayur More, Student, E&TC.

AniketBhandigare, Student, E&TC.

The afternoon session was conducted on Sensor-based circuit simulation using Tinker Cad and Blynk App. The session was conducted by two students from the Electronics and Telecommunication Engineering Department, Mayur More and AniketBhandigare.

The first half of the session was conducted by AniketBhandigare, where he introduced the Tinker Cad platform and demonstrated how to create basic and intermediate circuits using the platform. He explained the various components available on the Tinker Cad and how to use them to create different circuits.

In the second half of the session, Mayur More took over and gave a detailed explanation of how to set up the Blynk app. He demonstrated the BlynkIoT app to the participants and explained the ESP01 and ESP8266 Node MCU. He also explained how to connect the Node MCU to the Blynk app and how to control the circuit using the app.

The session was informative and interactive, and the participants were able to learn about the different aspects of sensor-based circuit simulation using Tinker Cad and Blynk App. The resource persons were able to answer the

questions raised by the participants, and the session was overall productive.

In conclusion, the afternoon session on Sensor-based circuit simulation using Tinker Cad and Blynk App was informative and well-organized. The participants were able to learn about the different aspects of the topic and were able to clarify their doubts through the Q&A session.

Morning 9am – 10:30am:Types of PCB, concept of PTH, design guidelines for

PCB, routing topology, grounding methodologies, Simple artwork on single sided PCB

Resource Person:Prof. Vishal Ambhore, Assistant Professor, E&TC.

The session began with an introduction to different types of PCBs and their applications. Participants also learned about the concept of PTH and how it is used in PCB manufacturing by Prof. Vishal Ambhore.

Next, the session covered design guidelines for PCBs, including component placement, trace width, and clearance rules. Participants also learned about routing topology and how to optimize it for different applications. Additionally, the session covered grounding methodologies, including the use of ground planes and the placement of decoupling capacitors.

Throughout the session, participants had the opportunity to ask questions and receive feedback from the instructor. They also had access to resources such as tutorials and reference materials to help them better understand the concepts covered in the session.

By the end of the morning session, participants had gained a deeper understanding of types of PCBs, concept of PTH, design guidelines for PCBs, routing topology, grounding methodologies, and how to create simple artwork on a double-sided PCB. They were better equipped to design and manufacture PCBs for different applications.

Afternoon 3pm - 4:30pm:PCB Circuit design and verification of Parameters using EASY EDA, Q&A

Resource Persons:Mayur More, Student, E&TC.

Jay Daflapurkar, Student, E&TC.

Mayur More began the afternoon session by teaching how to build a dual polarity power supply and how to simulate it in Multisim. He demonstrated the step-by-step process of building the circuit and explained the importance of the components used. He also explained how to test the circuit and make necessary adjustments to ensure it is functioning correctly.

After that, Jay took over the session and demonstrated how to build the same circuit on EasyEDA for printed circuit board (PCB) design. He explained the importance of designing the PCB correctly and the different steps involved in designing the PCB on EasyEDA. He also explained how to ensure that the design is correct before exporting it for manufacturing.

The session was informative and interactive, and the participants were able to gain a better understanding of sensor-based circuit simulation and PCB design. During the Q&A session, the participants asked several questions related to the topics discussed, and the resource persons were able to answer them effectively.

Overall, the session was well-organized, and the resource persons were able to convey the concepts clearly. The participants were able to gain practical knowledge and hands-on experience in building and simulating circuits using the Blynk app,

Multisim, and EasyEDA.

Overall, the workshop was a success, and the students gained valuable insights into their field of study. They also had the opportunity to interact with experts in their field and network with other students from different institutions. The faculty members from SVJCT B.K.L. Walawalkar Hospital & Rural Medical College were actively involved in the workshop, and they provided valuable guidance and support to the students throughout the event.

JSPM'sRajarshiShahu College Of Engineering

Department of Computer Science and Business Systems in Association with IEEE SB RSCOE, organized aWorkshop on Java and Android Boot camp

Name of Session   : Workshop on Java and Android

Date & Day	:	15/05/2023 and 18/05/2023
Total No. of students	:	49
Name of speaker	:	Mr.Alok Gupta
Location	:	DSA Lab, A-301

4-day workshop on Java and Android Boot camp was conducted to provide participants with a comprehensive understanding of Java programming and Android application development. The workshop covered fundamental concepts of Java, object- oriented programming, and practical hands-on exercisesto develop Android applications. Participants gained valuable knowledge and skills to kick start their journey in Java and Android development.

Objectives:

1. Introduce participants to the Java programming language and its key features.

2. Teach participants the concepts of object-oriented programming and their application in Java.

3. Familiarize participants with the Android development platform and its architecture.

4. Enable participants to develop basic Android applications using Java.

Day 1: Introduction to Java

The first day of the workshop focused on introducing participants to the Java programming language. The topics covered included:

• Java syntax and structure

• Variables, data types, and operators

• Strings and Operations

• Arrays

• Introduction to object-oriented programming (OOP) concepts

Participants were provided with hands-on exercises to practice Java coding and reinforce their understanding of the concepts covered.

Day 2: Object-Oriented Programming in Java

On the second day, the workshop delved deeper into object-oriented programming (OOP) concepts and their implementation in Java. The key topics covered were:

• Classes and objects

• Inheritance and polymorphism

• Encapsulation and data hiding

• Abstraction and interfaces

• Exception handling

• Static and Final key word

• Final vs Static

After Lunch it was the introduction to Android application development. The topics covered included:

• Overview of the Android platform and its architecture

• Setting up the development environment (Android Studio)

• User interface design using XML layout files

• Introduction to Android components (activities, fragments, intents)

Participants engaged in coding exercises that involved designing and implementing class hierarchies and applying OOP principles in Java programs.

Day 3: Android Development Basics

The third day of the workshop focused on providing participants with an

• Event handling and user interaction

• Desktop applications using NetBeans IDE

• Handling permissions and security

• Testing and debugging Android applications

• Publishing an Android application on the Google Play Store

• Worked on project. (College Registration App)

Participants were guided through practical exercises

where they created simple Android applications with basic user interfaces and implemented event handling functionality.

Day 4: Developing Android Applications

The final day of the workshop was dedicated working with data storage, Layouts, Test.

Participants collaborated on a group project, where they applied their knowledge to develop a functional Android Application. They learned about best practices for testing, debugging, and deploying their applications.

Conclusion:

The 4-day workshop on Java and Android Boot camp successfully equipped participants with the essential skills and knowledge required to develop Java applications and Android applications. Through a combination of theory sessions and practical exercises, participants gained a solid foundation in Java programming, object- oriented programming principles, and hands-on experience in creating Android applications. The workshop fostered an interactive learning environment, encouraging participants to actively engage with the material and collaborate with their peers. Overall, the workshop provided a valuable learning experience and empowered participants to pursue further exploration and growth in Java and Android development.

BansilalRamnath Agarwal Charitable Trust's

Vishwakarma Institute of Information Technology,

(An Autonomous Institute Affiliated to SavitribaiPhule Pune University)

(Approved by AICTE, New Delhi)

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INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS VIIT STUDENT BRANCH

Name of the Event: "Capturing the Environment through Posters & Videos"

Date of Event: 04/06/2023 To 07/06/2023

Organizer: IEEE VIIT Student Branch in collaboration with IEEE Pune Section

Summary of Event

IEEE VIIT Student Branch, in collaboration with the IEEE Pune Section, organized a remarkable event called "Green Frames: Capturing the Environment through Posters & Videos." The event aimed to celebrate the power of visual media in raising awareness about environmental issues and promoting the importance of environmental conservation. Participants were encouraged to creatively express their perspectives on environmental topics through poster designs and videos.

The event was conducted entirely online, allowing participants from various locations to showcase their talents and contribute to the cause of environmental awareness. The event spanned four days, from 4th June to 7th June 2023, during which participants had the opportunity to submit their entries via a Google Form. After the submission period ended, the event organizers carefully evaluated the entries based on creativity, relevance to the theme, and overall impact.

The results were announced on 9th June 2023, two days after the event concluded.The Winner was ShrutikaWagh, runner ups were Pradnyanandbhadarge and YuvrajSankilwar .They were acknowledged for

their exceptional contributions towards promoting environmental consciousness through visual media.

The Green Frames event organized by the IEEE VIIT Student Branch successfully provided a platform for participants to showcase their creativity and express their concerns for the environment. The competition encouraged participants to think critically about environmental issues and present their ideas through engaging posters and videos. By harnessing the power of visual media, the event aimed to inspire greater awareness and appreciation for our precious environment.

The IEEE VIIT Student Branch expresses its gratitude to all the participants for their enthusiastic involvement and dedication to the cause of environmental conservation. The event not only highlighted the talent within the IEEE community but also served as a reminder of the urgent need to protect and preserve our planet for future generations.

With such initiatives, IEEE continues to promote sustainable practices and encourage individuals to actively contribute to a greener and healthier world.
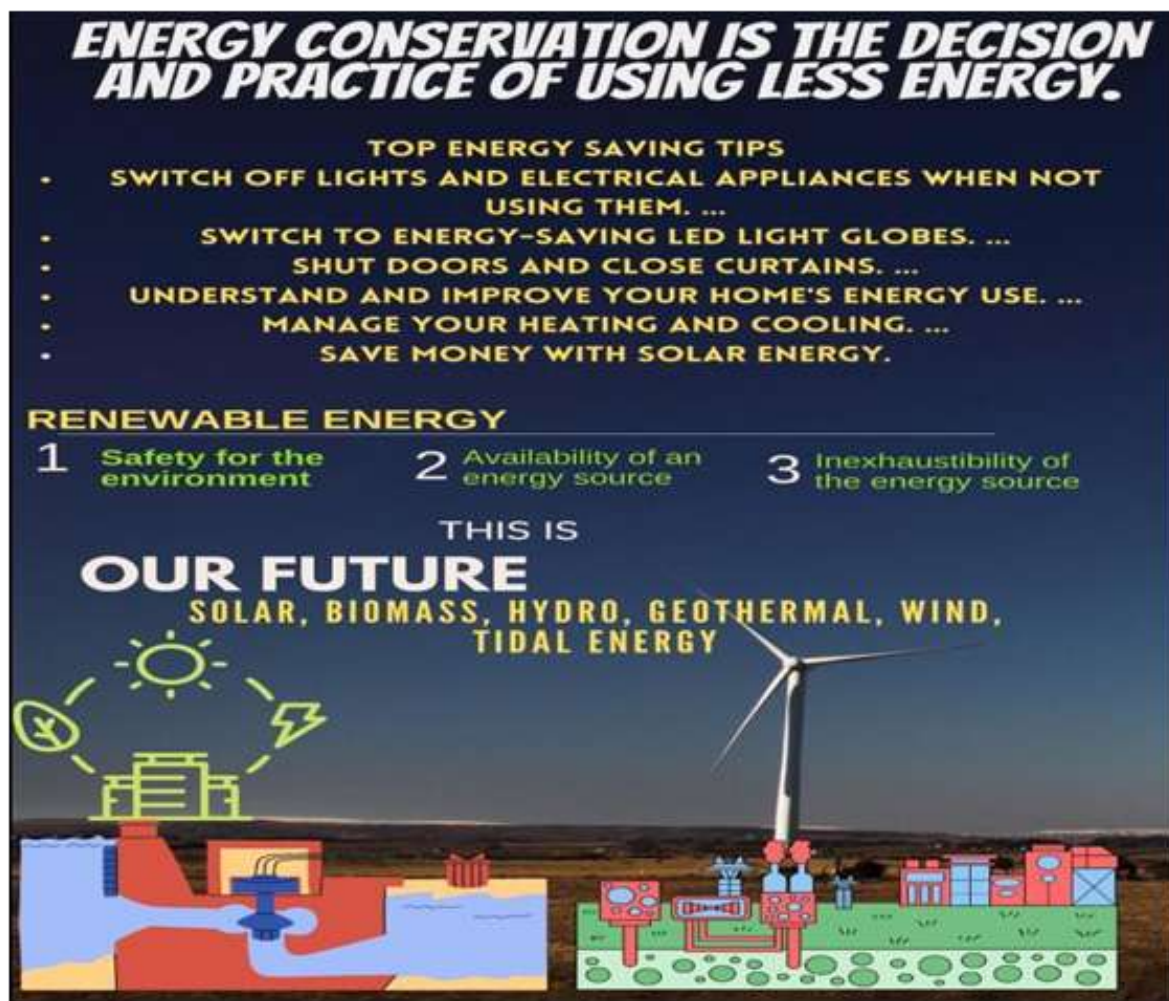
1st runner up-Pradnyanand Bhadarge

Winner- Shrutika Wagh

2nd runner up - Yuvraj Sankilwar

(Reported by : Abhijit Khu Rape, Joint Secretary)

Diary of Events
In & Around IC

Events in the Second Quarter – 2023

April

01   IEEE Madras Section & IEEE MAS Young Professionals hosted 'IEEE Industry Forum - 2023' at VIT Chennai Campus.

03 - 04   Five days' Workshop: Bio-Medical Instrumentation & Design Workshop: IEEE VIIT Student Branch, E&TC & Mechanical Departments under Pune Section.

03 - 07   IEEE 39th International Conference on Data Engineering (ICDE 2023) will take place in (the happiest place on earth) Anaheim, California, USA at the Marriott Anaheim

04 - 07   IEEE Silicon Photonics Conference at Arlington, VA, USA.

05 - 06   PCEMS 2023, an international conference technically sponsored by IEEE Bombay Section, Dept. of ECE, VNIT Nagpur hosted in hybrid mode at VNIT Nagpur.

05 - 07   Second IEEE Sponsored International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2023), organised K. Ramakrishnan College of Engineering, Trichirappalli, Tamil Nadu, India.

07- 09   2023 IEEE 8th International Conference for Convergence in Technology (I2CT) at Lonavala, Pune.

10   IEEE Kolkata Section's Sir J. C. Bose Milestone Lecture, by Dr. Goutam Chattopadhyay, Senior Scientist, NASA's Jet Propulsion Laboratory, USA on the topic, NASA Millimeter-Wave and Terahertz Space Instruments: 'Following Sir J. C. Bose's Footstep'.

12   IEEE AP-DL Lecture on "The Design of Compact & Wideband Antennas", under IEEE APMTTs Kharagpur Section.

14 - 15   Two days' Workshop on VEGA processor Ecosystem at IIT Guhavati.

15   IEEE MEMBERS DEVELOPMENT PROGRAM by IEEE Kharagpur Section.

15   Student Interaction Meet with R10 PES by GPREC IEEE PES SBC, PELS SBC and IAS SBC. Technical talk on "Heralding Smart Technologies". Professionals Interaction Meet with R10 PES. Resource Person - Dr. Ramakrishna Kappagantu. Under Hyderabad Section.

15 - 16   The IEEE Y P Affinity Group Kharagpur Section, Kharagpur in collaboration with IEEE Raghu Institute of Technology Student Branch, Visakhapatnam organized two-day online workshop on LaTeX. In this workshop, we will showcase the advantage and usage of LaTeX for Technical Writing and Beamer Presentation.

17   India Council day Celebrations – 2023 (Virtual Mode).

17 - 18   Two days' Workshop on VEGA processor Ecosystem at Jadavapur University by Kolkota

| | Section19-21 International Conference on 'Power, Instrumentation, Control & Computing' (PICC 2023) by Government College of Trissur and cosponsored by IEEE Industry Applications Society and IEEE Kerala Section. |

22   IEEE Madras Young Professionals and IEEE Madras Section organized a webinar on Powering Critical Applications on Earth, Moon and Beyond by Harish Sarma Krishnamoorthy, Assistant Professor(Power & Energy), University of Houston on the occasion of First IEEE India Council Day Celebration 2023.

24 - 25   Talk on Harnessing AI for Healthcare at West Campus of Netaji Subhas University of Technology under IC & Delhi Section. In the second day on Accreditation Process.

25 - 27   11th International Conference on Neural Engineering at Baltimore, MD, USA.

27   Online Webinar # 7 by Prof. R. Balasubramanian, Retired NTPC Chair Professor IIT Delhi and Founding Chair LMAG IEEE Hyderabad Section on topic: Emerging Trends in Smart Power Systems Operation

28   IEEE SIGHT DAY 2023 celebrated by IEEE Bombay SIGHT at Ratnabai charitable trust.

29 - 30   Bangalore Section Hackathon 2023.

May

01 - 04   IEEE International Symposium on Hardware Oriented Security and Trust (HOST) at San Jose, California, USA

04 - 06   11th Edition of IEEE Embedded Systems Devices and Computing (ESDC) Conference, hosted by IIIT Sri City, India, theme being Cyber Physical System (CPS)/ Industry 4.0. www.ieee-esdc.com

12   IEEE Vehicular Technology Society Madras Section Chapter organized technical "Technical Talk on Wireless Charging".

14 - 20   ICSE, the IEEE/ACM International Conference on Software Engineering, at Convention & Exhibition Centre, Melbourne, Australia.

15 - 17   Three day workshop in collaboration with Visvesvaraya Industrial and Technological Museum Bangalore. A program of IEEE MOVE Outreach India.

15 - 18   4 day's workshop on Java and Android Boot JSPM's Rajarshi Shahu College Of Engineering under Pune Section.

17   SMART VISION ROBOT: PYDUINO an event by IEEE Kharagpur Section.

19   ADMINISTRATIVE MEETING of IEEE Kharagpur Section.

19 - 21   An event SOURCE-O-CODE by IEEE Kharagpur Section

19 – 21   5th International Conference on 'Control, Computerization and Computing' (ICCC2023) by CET, Thiruvananthapuram. Cosponsored by IEEE Kerala Section.

23   Madras section hosted the IEEE MAS Student Project Funding- Project Expo and Award Ceremony at Birla Planetarium in Chennai.

25	Online Webinar by Prof. Juzer Vasi , Professor Emeritus, Indian Institute of Technology Bombay. On topic: Current Status of Deployment and Manufacturing of Solar Photovoltaics in India
26 - 28	4th International Conference for Emerging Technology (INCET), Technically Co-Sponsored by IEEE Bangalore Section) Hosted by Jain College of Engineering, Belgaum, Karnataka.
27	Event 'Empowering Young Professional' by IC YP & Delhi Section.
29 - 2nd	June - Program ICRA 2023 Stellite Conference Center at : IEEE Office, NA-203, Nalanda Complex, IIT Kharagpur.
31	The IEEE Kolkata Section SIGHT Group hosted its first in-person event on "Humanitarian Technology for Sustainable Development" along with IEEE Kolkata Section.

June

	The IEEE EMBS Student Mentoring Program (SMP/ the Program for a period of six months from June 2023 to November 2023). A student-led initiative by the Student Activities Committee, an annual series of events that aim to offer a support network for students to connect with experienced professionals that align with their interests all over the world.
01	IEEE NOCE -1 organized by WiE launched by Kolkota Section.
02	IEEE Signal Processing Society Madras Section Chapter in collaboration with Sri Sairam Engineering College organized an event Word Wave.
04	IEEE MEMBERS DEVELOPMENT PROGRAM by IEEE Kharagpur Section.
04 - 7	"Capturing the Environment through Posters & Videos" event at "Capturing the Environment through Posters & Videos" under Pune section.
05	World Environment Day celebration by Bangalore Section.
07	Technical session by Pune Section (Jt Chapter of AP, MT, and EMC) on 'From Engineering Electromagnetics to Electromagnetic Engineering'. Lucturer: Prof. Dr. Levent Sevgi at Symbiosis Institute of Technology.
08 - 10	The IEEE Sustainable Smart Lighting World Conference & Expo (LS:18), along with the 5th IEEE Bombay Section Signature Conference (IBSSC 2023) at Mukesh Patel School of Technology Management & Engineering in Mumbai, India.
09	Technical talk: Transforming Mental Health Care with Ai and Language Technology by IEEE Engineering and Medicine in Biology Student Branch Chapter IIT Kharagpur Section.
09	A session on preparation of NAAC by Prof. Buta Singh, VC, PTU organized by IC & Delhi Section.
10	One day seminar on Navigating the research landscape: Strategies for success by IEEE Gujarat Section YP collaborated with IEEE Bombay Section YP.
11	Talk - Distilling The Neural Code For Word Recognition
11	World Environment Week celebrations organized by Pune Section & IEEE North Jersy Section. Speakers: Dr. Debabrata Das IC Chair, Deepak Mathur, VP Elect 2023 MGA, Bala Prasanna

	Director IEEE R1and Priyadarshini Karve, MD Samuchit Enviro on different topics.
15	IEEE CS Madras, CSI Chennai & ACM Chennai Organized release of the book titled "Fun with Machine Learning" written by Mr. Arockia Liborious, Practice Head, Data Science & Cognitive Analytics, ICICI Bank & Dr. Rik Das, Principal Consultant (Data Science), PwC India.
15 - 17	The 5th International Conference on Energy, Power, and Environment (ICEPE 2023) in Hybrid Mode, technically Co-Sponsored by IEEE Industry Applications Society (IAS), IEEE Smart Cities, IEEE Kolkata Section, IEEE Guwahati Sub-Section, and others. Basic theme "Towards Flexible Green Energy Technologies".
19	Technical talk - Distilling The Neural Code For Word Recognition by Kharagpur 10Section.
21	IEEE Madras Young Professionals, Panimalar Institute of Technology in association with IEEE WIE had organised a webinar on Women in leadership through IEEE activities by Ms. Syed Sadia Hossain, Associate Manager, SME Products, BRAC Bank Limited.
22	IEEE Madras Power Electronics Society Organized Webinar on Optimization Methodology in Power Electronics by Dr. Anamika Yadav.
23	The IBSYWLC'23 was held at Annasaheb Dange College of Engineering & Technology, Astha, Sangli. Section YP organised several talks in YP track.
23	The RO Water Plant HYGIENE HYDRO was launched at Pudhunallur in the presence of multiple dignitaries such as CEO of Sairam Institutions, Dr. Sai Prakash Leomuthu, Principal and IEEE Madras Section Chairman, Dr. Porkumaran.
23-25	IEEE Bombay Section's Student, Young Professionals, Women-In-Engineering and Life Member Congress 2023 (IB-SYWLC 2023).
24	IEEE Bombay Section YP organised a dual Industrial Visit to Rajarambapu Patil Sahakari Sakhar Karkhana Ltd, Rajaramnagar and Patil Dairy in Vasagade Road, Bhilawadi.
25	Online Webinar by Dr. Sriram Jayasimha Chief Scientist Commercial Applications at AST SpaceMobile Inc. On topic: "Global mobile communication using LEO satellites".
28	LMAG Tech-Talk series: by Dr. Sriram Jayasimha, Chief Scientist, Commercial Applications at AST SpaceMobile Inc. Texas, on 'Global mobile Communication using LEO satellites', hosted by Bangalore Section. Webex meeting.

Forthcoming Events

July

01	Workshop - Drive of IEE Kolkota Section towards Net Zero Carbon Emossion at 5.00pm Speakers: Megha Nath, Arjun P Gupta & Vivek Adhia. Online program.
03 – 07	IISC IEEE Summer School 2023: Enriching Educational Opportunitie, by Bangalore Section.
06	InDIITA Workshop 2023 at IIITB, Balgaluru.
08	A meeting of MDC in an online WebEx platform- Council and Section MD Meet.

09	2023 Chair-Elect Webinar topic: Meet the candidates – Chair-Elect 2023 IC.
01 - 02	NMITCON 202310 IEEE CESC Milestone Lecture 2023 Zoom meeting
10	Lecture on topic Climate Change and Net-zero Transition by IEEE President Dr. Saifur Rahman at Dr. Triguna Sen Auditorium, Jadavapur University.
12	Lecture by IEEE President Dr. Saifur Rahman at Lower Ground Floor, Mini Auditorium, MPSTME, Mumbai.
13	IC Execom #4 Zoom meeting.
13 - 14	International Conference on Innovations in Engineering and Technology (ICIET-23). Venue: Ilahia College of Engineering and Technology, Muvattupuzha, Kerala.
14 - 16	International Conference on Digital Applications, Transformation, and Economy (ICDATE 2023), Miri Malaysia, co-organized between Curtin University Malaysia and University of Technology Sarawak in collaboration with IEEE Malaysia Section Signal Processing Society.
15 - 16	IEEE R10 Young Professionals UpSkill 2023: Kharagpur
17	IC Chair-Elect 2023 - Closing of voting at 9.00pm.
17 - 19	2023 Summer Topical Meeting Series, IEEE Photonics Society at Sicily, Italy.
18	Google meet- IEEE Distinguished Lecture – Topologically Transformed Electronics for Internet-of-Things Applications. Organized by MalaysiaED/MTT/SSC, Penang Joint Chapter.
24 - 28	45th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC2023) at Sydney, Australia.

August

05-07	The IEEE INDISCON-2023 at GSSS Institute of Engineering & Technology for Women, in association with IEEE India Council and IEEE Bangalore Section, is the 4th flagship annual subsection International Conference of the IEEE India Council. The theme is to encourage researchers from academia and Industry to explore and exchange their ideas and knowledge in the cutting-edge research of Computational Intelligence and Learning Systems.
10 - 11	IEEE Sections Congress - one major meeting sponsored by IEEE at Shaw Centre in Ottawa, ON, Canada. A triennial gathering of section leaders from around the world who gain new perspective, knowledge and can share ideas, concerns, and solutions.
25 - 26	IEEE WiE International Leadership Summit 2023 at Babylon Capital, VIP Chowk, Raipur, Chhattisgarh. 'Inspiring minds empowering change'. Speaker: Sudeshna Choudhury & Rajesh Ingle.

September

01 - 02	NMITCON 2023 International Coference on Networking, Multimedia and IT at Nitte Meenakshi Institute of Technology, Bangaluru.
06 - 08	The IEEE Region 10 Symposium (TENSYMP), a flagship annual conference organized by the IEEE Region 10 (Asia Pacific). The theme for 2023 is ˜Technology for an Autonomous World™."

08 - 09   The 4th International Conference on Public Key Infrastructure and its Applications (PKIA 2023), a joint conference by IEEE CS (Computer Society) and IAS (Industry Application Society) Bangalore Chapter.

11 - 13   2023 IEEE Research and Applications of Photonics in Defense Conference (RAPID) at Hilton Sandestin Beach Golf Resort & Spa, Miramar Beach, FL, USA

21 - 23   The Third International Conference on Emerging Techniques in Computational Intelligence, ICETCI 2023 at Mahindra University, Hyderabad, technically co-sponsored by the IEEE Computational Intelligence Society (CIS)

October

04 - 05   The 14th International Conference on Information & Communication Technology and System (ICTS 2023)- "Securing the future, one byte at a time". held at the Informatics Department building, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia. https://icts2023.edas.info/

06 - 08   International Conference on Blockchain & Distributed System Seurity (IEEE ICBDS 2023) at Naya Raipur India.

16 - 18   11th, 2023 IEEE R10 Humanitarian Technology Conference (HTC 2023) – A flagship conference of R10 IEEE organized and hosted by the IEEE Gujarat Section, at Marwadi University, Rajkot, India.

16 - 18   22nd International Conference on Communications and Information Technologies (ISCIT 2023), Sydney, Australia.

16 - 19   IECON 2023 is co-organized by Industrial Electronics Chapter of IEEE Singapore Section, the School of Electrical & Electronic Engineering, Nanyang Technological University, and IEEE Industrial Electronics Society. It is supported by Singapore Exhibition & Convention Bureau. Held at Marina Bay Sands Expo and Convention Centre, Singapore.

November

06 - 07   IEEE Industrial Electronics and Applications Conference (IEACon 2023) hosted in Batu Ferringhi, Penang Island, MALAYSIA.

19 - 22   APCCAS 2023 at Hyderabad.

December

03 - 06   The 2023 IEEE International conference on Energy Technologies for Future Grids (IEEE ETFG 2023) (https://attend.ieee.org/etfg-2023/), the first biennial event organized by the Australian Research Council (ARC) - Industrial Transformation Training Centre in Energy Technologies for Future Grids (ARC Future Grids ITTC) in collaboration with the Government Organizations, Universities and Industries in Australia. Location: Wollongong, Australia.

14 - 17   INDICON 2023 at NIT Warangal.

Jan 2024

22 - 24   Apscon 2024 in Goa, 2nd International IEEE Applied Sensing Conference.

April 2024

14 -16   A three day event, IEEE Life Members Conference in Austin, Texas, USA. This is a specially curated conference for IEEE life members and their spouses or partners.

Students & Young Professionals

Prepared by
Dr. John Jose
Vice-Chair, Industry Academic
Relations, IEEE-IC

Collaboration with CDAC Trivandrum.

GCON-VEGATHON, a national hardware hackathon event was organized by IEEE India Council in collaboration with C-DAC Trivandrum, held during IEEE Guwahati Subsection Conference GCON-2023 from 23rd June to 25th June 2023. A total of 6 teams from various sections of the country attended the finals held at IIT Guwahati after a rigorous screening from 45 teams. The teams that secured first and second prizes were given 25000 and 15000 rupees, respectively. Travel and accommodation support was also given to all the finalists. CDAC Trivandrum is planning a pan India wide largest hands-on workshop on Indigenous microprocessor VEGA in the month of September to be held simultaneously at 10 states at the same time.

For more details visit: https://vegaprocessors.in/gcon-vegathon.html

Collaboration with IBM India

IBM is rolling out a 6 weeks Career Mentoring Program for Young Women Professionals (online mode) to foster professional growth, provide guidance, and promote networking opportunities for aspiring women professionals. This program will empower the participants to reach new heights in their career and enable meaningful connections with experienced mentors. The program will happen from July 1 to August 16, 2023. 27 young women were selected from various sections covering industry professional, faculty from engineering college sand students at UG, PG and PG level in engineering institutes.

Collaboration with Qualcomm India

Qualcomm in association with IEEE-IC is planning for a Hackathon for Students. Training and mentoring will be given to shortlisted candidates. The final details will be released by August first week. MoU with Qualcomm and IEEE IC is in final stage to signing.

eLearning

Tap into the Benefits of your IEEE Membership. Get an Extra 50% off eLearning.

IEEE has launched a special new additional 50% off eLearning discount for up to three courses available to our valued members. You can unlock access to a wide range of online courses on the latest cutting-edge technologies, there's something for everyone. Whether you're looking to enhance your skills or explore new topics, our IEEE eLearning has got you covered. So don't wait and start learning today!

IEEE Region 10 Young Professionals Career Leadership Aid Program 2023

The objectives of the CLAP Program are to:

1. Provide a comprehensive outlook on potential career paths in academia and industry after completing   their studies, as well as guidance on how to attain

2. Enhance the leadership abilities of the participants by fostering self-assurance and accountability

3. Aid the participants in recognizing their strengths and unique traits, and leveraging them to the fullest extent

The Career Aid and Leadership Program is open to undergraduates, recent graduates, early-career professionals and individuals looking to switch careers. The CLAP will cover the following areas:

Call for a Proposal

IEEE Region 10 Young Professionals Committee invites the Sections of R10 to submit proposals for hosting the Career Leadership Aid Program (CLAP) 2023. Interested Sections are requested to submit the proposal with full financial implications in organizing the event.

The proposal format should follow the template provided and should be submitted via Region 10 Young Professionals Submission Portal.

Ideas for MOVE-A-THON by IEEE MOVE Outreach India
(Sadhana Attavar, Vice Chair Humanitarian Technology Activities, IEEE-IC)

MOVE Outreach India is a collaboration between IEEE MOVE and IEEE India Council to provide emergency relief committed to assisting victims of natural disasters with short-term communications, computer, and power solutions.

IEEE MOVE Outreach India is organizing MOVE A THON which is an ideathon for Technologies for mitigating natural disasters for a sustainable future. The aim and objective of this ideathon is to invite ideas from students and young professionals for providing such immediate relief in the face of natural disasters that India is particularly prone to – floods, cyclones, droughts, earthquakes and landslides.

Themes: Floods, Droughts, Cyclones, Earthquakes and landslides, Open ideas.

Who can participate?

Open for participants across India. Maximum 4 members per team. The competition is open to all undergraduate students, post graduate students, and young professionals

Registration

For registration clink on the link given below:

https://challenges.hackworks.com/event/move-a-thon

Last date for submissions: July 15 2023

Prizes: Winning Team INR 25,000, 1st Runner Up INR 10,000, 2nd Runner Up INR 5,000.

Participation certificates shall be awarded for all the complete submissions.

For any queries please contact: Mr. Arun Tanksali arun@tanksali.com

Ethic Champion of IEEE R10

A golden opportunity to be recognized as an Ethic Champion of IEEE?

Do take up the IEEE Code of Ethics awareness assessment, organized by the IEEE R10 Ethics Awareness and Advancement Committee (EAAC)

Sections in R10 can take up this assignment!

For more details, please check out the link below:

https://www.ieeer10.org/2023/07/05/ieee-code-of-ethics-awareness-assessment/

Do You Know?

Anil Menon, M.D., Lieutenant Colonel, U.S. Air Force

Dr. Anil Menon was selected by NASA to join the 2021 Astronaut Candidate Class. He reports for duty in January 2022. Menon was SpaceX's first flight surgeon, helping to launch its first humans to space during the Demo-2 mission and building a medical organization to support the human system during future missions.

Menon was born and raised in Minneapolis, Minnesota, to Ukrainian and Indian immigrants. He is married to Anna Menon who works at SpaceX, and they have two children. Menon enjoys teaching general aviation as a certified flight instructor and has logged over 1,000 hours as a pilot. He enjoys endurance races such as Ironman and Kokoro and backpacking with his family.

Graduated Saint Paul Academy and Summit School in Saint Paul, Minnesota, in 1995. Bachelor's Degree in Neurobiology, Harvard University, Cambridge, Massachusetts, 1999. Master's Degree in Mechanical Engineering, Stanford University, Palo Alto, California, 2004. Doctor of Medicine, Stanford Medical School, 2006. Residency in Emergency Medicine, Stanford University, 2009. Fellowship in Wilderness Medicine, Stanford University, 2010. Residency in Aerospace Medicine, University of Texas Medical Branch at Galveston, 2012. Master's in Public Health, UTMB-Galveston, 2012. Current board certification in aerospace medicine and emergency medicine.

Menon reported for duty in January 2022 to complete two years of initial astronaut training as a NASA astronaut candidate.

April 1 - Fools' Day?

Why is April Fools' Day celebrated on April 1?

Let us see the History and Origin of this day.

The history behind April Fools' Day is unknown, and there have been multiple hypotheses regarding its origins. However, the most plausible theory links it back to the late 16th century, when Pope Gregory XIII proposed the implementation of the Gregorian calendar. When the Gregorian calendar came into effect, January 1 became the start of the year. It replaced the practice of starting the year at the end of March according to the Julian calendar. France became the first country to accept and implement the new calendar.

Despite the news being disseminated, some individuals were unaware of the change or refused to follow the new changes. They continued to observe New Year's Day on April 1. Thus, people who followed the Gregorian calendar started mocking and ridiculing these people. The general takeaway was that those who refused to follow the new calendar were considered to be fools and made fun of by those who did. Thereby, giving rise to the tradition of: April Fools' Day on April 1!

Announcement
2023 MGA Volunteer Leadership Training Program

The MGA Training Committee is pleased to announce the launch of the 2023 IEEE MGA Volunteer Leadership Training (VoLT) Program. The VoLT Program invites volunteers who have a desire to continue growing as IEEE volunteers and lead their local units to complete the program's prerequisite courses. Prospective candidates can apply to the program from now until 31 July 2023.

Study Abroad?
Open for Registration! IEEE | Rutgers Mini-MBA

By joining IEEE, you took an important step to distinguish yourself from other technical professionals. Members just like you are taking steps toward advancing their careers, learning from mentors, and expanding their networks by taking advantage of this exclusive offering.

Now registering for September 2023 sessions. Enroll today and engineer your future!

Bangalore Section

Global Conference for Advancement in Technology (GCAT)

GCAT Bangalore

6-8 Oct 2023 by Nagarjuna College of Engineering & Technology, Bengaluru.

Held in Bangalore in Hybrid Mode only. Conference URL: http://globeconf.org/

3rd GCAT is one of the premier international conferences dedicated to innovation in Engineering & Technology Systems. The conference is one of the technical events for a world-class gathering of researchers from academia and industry, practitioners, and business leaders, providing a forum for discussing cutting edge research, and directions for new innovative business and technology.

The conference will include a highly selective technical program consisting of submitted papers, a small set of invited papers on important and timely topics from well-known leaders in the field, and poster session of work in progress.

Important Dates:

Deadline to submit Full paper: 25th June 2023
Acceptance Notification: 15th July 2023
Date of Conference: 06th - 08th Oct 2023
Conference Promotional Chair
GCAT 2023
shatakumarpatil@gmail.com
WhatsApp - +918999689262

Bombay Section

Newsletter **IEEE** INDIA COUNCIL

Kerala Section

Hyderabad Section

IEEE ASIA PACIFIC CONFERENCE ON CIRCUITS AND SYSTEMS (APCCAS 2023)

19-22 November, 2023 www.apccas2023.org

APCCAS 2023 will bring together academia, industry, government & research organizations working in circuits & systems from across the globe to share their cutting-edge research.

ABOUT IEEE APCCAS 2023

The 19th edition of the Region 10 flagship conference of IEEE Circuits and Systems Society (CASS), the Asia Pacific Conference on Circuits and Systems (APCCAS 2023) will be held in Hyderabad, India. The conference will be held for the first time in India. The IEEE CASS Hyderabad Chapter is hosting the conference with the support of CASS chapters in Bangalore, Delhi, Kerala and Kolkata.

The theme of APCCAS 2023 is "Safe, secure and smart circuits & systems for a sustainable society ".

Safety is the foremost requirement for any commercial system, and especially automotive, aviation and other segments where human life is involved. Functional safety is thus the top priority. A secure system is must have for all IoT and other applications that contain user information. With time traditional systems are miniaturized and loaded with multifold features and deployed for different use-cases giving birth to smart systems for a sustainable society.

APCCAS 2023 will bring together academia, industry, government & research organizations working in circuits & systems from across the globe to share their cutting-edge research.

19-21 November 2023 at Hyderabad.

General Announcements

Workshops on

Evolution of Transistor and Emerging Research Devices

Those who are interested in the research area of nanoelectronic device modeling & simulation (TCAD using SILVACO/SYNOPSYS) can read the email below and register for the workshops through the Google form https://forms.gle/WXf2JARJE3ak2urT6

About the Series of Workshops

The Hybrid Workshops shall have 3-4 Lectures by leading EDS Luminaries from Academia and Industry. The registered participants will also get Online/Virtual Access (for 7-10 days) to use SILVACO 3D TCAD and/or SYNOPSYS TCAD Device Simulation tool to simulate Advanced CMOS, SOI, FinFET, HEMT, and Tunnel FET, helping them to better visualize and understand the rudiment of device physics and technology.

Tentative Schedule of Hybrid Workshops

July 2023 - August 2023 - Workshop on Modern Transistor Designs

July 2023 - August 2023 - Workshop on Electrical (DC, AC, and transient analysis) and thermal characterization of Advanced CMOS, SOI, and FinFET

September 2023 - Workshop on Electrical and thermal characterization of HEMT

November 2023 - Workshop on Electrical and thermal characterization of Tunnel FET and FeFET

All registered participants can attend the Hybrid Workshops with NO REGISTRATION FEES.

IEEE EDS Members/Student Members can attend the hands-on training on SILVACO 3D TCAD and/or SYNOPSYS TCAD Device Simulation tool and will receive a training certificate.

Non-IEEE/EDS Members who would like to attend the hands-on-training on SILVACO 3D TCAD and/or SYNOPSYS TCAD Device Simulation tool and would like to obtain the training certificate have to join IEEE and EDS society prior to the training program

For further details kindly contact:

Professor Manoj Saxena, SMIEEE

Chair-IEEE EDS Delhi Chapter (India)

and 75th Anniversary of the Transistor Adhoc Committee Chair

2nd International IEEE Applied Sensing Conference (APSCON)
on 22-24 January 2024 in Goa, India! https://www.aconf.org/conf_192323.html

IMPORTANT DATES

1 July 2023 - Paper Submission Opens

15 July 2023 - Proposal for Industry-led Focused Session

31 August 2023 - Paper Submission Closes

31 October 2023 - Notification of Acceptance

15 November 2023 - Final Submission

General Announcemets

Meet the Candidates - Chair Elect 2023 India Council Webinar

Dear voting members of IEEE India Council,

As you have already been informed via email dated 30th June 2023, the election for the 2023 India Council Chair-Elect is scheduled to start on 03 July 2023 09:30 PM IST and close at 17 July 2023 09:00 PM IST.

The 2023 India Council Nomination Committee has approved the slate of candidates for the 2023 IEEE India Council Chair-Elect Election as below.

Name of Candidate - Candidate Position
Dr. Prerna Gaur   -   Council Chair-Elect
Dr. Rajesh Ingle   -   Council Chair-Elect
Dr. Anil Roy   -   Council Chair-Elect

To assist voting members to make a well-informed decision, India Council is organizing a webinar as "Meet the Candidate webinar" on July 9th, 2023 from 09:00 pm to 09:45 pm (presentation/talk by all the three candidates). Interested voting members may join using the link below.

Webinar topic:
Meet the Candidates - Chair Elect 2023 India Council Webinar
Date and time:
Sunday, July 9, 2023 9:00 PM | (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
Join link:
https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=mbfdce28d35694e08dcabe739f30bf4de

Webinar number: 2533 415 1219

Latest News

Dr. Prerna Gaur
won the
IC Chair-Elect Election!

Congratulations!

IEEE Region10 Student Activities Committee (R10 SAC)

Greetings form IEEE Region10 Student Activities Committee!

Get ready to ignite the future as we invite the sections of IEEE R10 to host the extraordinary IEEE Region 10 Student Summit 2023!!

This incredible event aims to empower students by providing them with a comprehensive understanding, exposure, and training on IEEE operations and activities, preparing them to become the leaders of tomorrow.

Please visit and Submit your proposals at: https://bit.ly/R10StudentSummit

Submissions Deadline: 10th August 2023.

Let's come together, create an unforgettable experience, and shape the path for our future innovators !!

For enquiries please contact: r10sac@ieee.org

Vijay S Paul

2023 Chair, Information Management Committee, IEEE Region 10.

The position is responsible for all forms of electronic media (including website and social media), all kinds of information management (including but not limited to creation, ownership, and archiving) related to R10 and its sub-units.

MGA News

Call for Nominations

2024 IEEE MGA Committee Member and Liaison Positions Deadline: 1 August 2023

The IEEE Member and Geographic Activities (MGA) Nominations and Appointments (N&A) Committee is soliciting nominations for 2024 MGA committee member and liaison positions. These include:

Various MGA Committee Members

Various MGA appointments to other organizational unit boards/committees

Each IEEE Region is encouraged to submit nominations to help ensure that MGA is globally balanced. Self-nominations are encouraged.

The deadline to submit nominations is 1 August 2023.

Use the link below to access the nominations portal. Sign in with your IEEE account username and password. If you are on IEEE Awards page, go to "My Nominations" page located under the "Login" tab.

Nominate yourself or a colleague now

Click here to learn more about IEEE MGA Nominations and Appointments (N&A) process

Send questions to: mga-noms@ieee.org

2023 IEEE WIE Global Celebration

29 June 2023 - 31 July 2023

MBS to Launch Women in Biomedical Engineering (WIEMB) at EMBC'23

IEEE, the world's largest technical professional organization dedicated to advancing technology for humanity, and the IEEE Engineering in Medicine and Biology Society (EMBS), announced the inaugural 2023 Women in Biomedical Engineering (WIBME) Forum taking place on July 27, 2023, in Sydney, Australia.

The forum represents the launch of IEEE EMBS' strategic initiative to promote diversity and inclusion within the biomedical engineering field and to provide women with the opportunity to network and share their perspectives with like-minded professionals, clinicians, and researchers.

"Women have made substantial contributions to the field of biomedical engineering, and we believe their work should be recognized by our community," commented Paul Sajda, Ph.D., President of the IEEE EMBS.

Date and Time: Thursday, July 27, 2023 from 9:00 a.m. to 4:30 p.m. AST.
Location: International Convention Centre (ICC), Sydney, Australia

2023 IEEE 30th International Conference on Electronics Circuits and Systems
Date: 4 Dec 2023 – 7 Dec 2023

Invitation

Meet the 2024 IEEE President-Elect Candidates Forum

Dear IEEE Members,

The "Meet the 2024 IEEE President-Elect Candidates Forum" will be held on Saturday, 12 August 2023 from 5:45 pm to 6:45 pm EDT
at Sections Congress in Ottawa.

To learn more about the candidates, please visit https://ieee.org/pe24 Register today for this important livestream event and to receive the link to the event recording.

We will also be offering live re-broadcast options for viewing the Forum at times more convenient for our global community. These include:

3:00 UTC | 15 August
10:00 UTC | 15 August

Thank you.

Regards,2023 IEEE President-Elect Campaign Pilot Ad Hoc Committee

Let's Make Light Competition 2023: Now Open

Submission Requirement and Awards

For all tracks, entries should include all or most of the following:

- The design process: how did you approach the problem
- The design: solution description from start to finish, processes, procedures, flowcharts, drawings, schematics, mind maps, any visual representation of your description
- Analytical results: circuit simulation, manufacturing flowchart, distribution map, financial analysis, and anything that justifies and validates critical aspects of your proposed solution
- Demonstration of a direct connection and consultation with the communities to be served

R10 LM Awards

Rajendra Kumar Asthana
Ombudsman, IEEE IC &
Chair, Awards & Recognition
Life Member Committee.

MGA- Life member Committee issued call for following awards on 1st March 2023 with closing date being 15th April 2023.

1. **2023 Regional Life Member Affinity Group (LMAG) Achievement Award**

   This is Annual award one for each Region, Award is Certificate + $500 for LMAG future activities, All LMAGs in R10 are eligible.

2. **2023 Global Life Member Affinity Group (LMAG) Achievement Award**

   Out of 10 Regional Awardees one will be selected as Global Winner, Award is Plaque plus $ 2000 for future LMAG activities + expenses for travelling to an event to receive the award.

3. **2023 Regional Individual Life Member (LM) Service Award**

   Annual award one for each Region, Award is Plaque.

4. **2023 Global Individual Life Member (LM) Service Award**

   Out of 10 Regional Awardees one will be selected as Global Winner, Award is Plaque plus expenses for travelling to an event to receive the award.

4 Nominations were received for Individual LM Service award and 3 for LMAG Achievement award. These nominations were evaluated by region 10 LM Award Committee consisting of Chair and 3 other LMs members from R10. Committee recommended 1 nomination for each Award.

Both these awardees from R10 were included for consideration of Global Awardee.

Following are selected to Receive awards under the program.

REGIONAL (R10) AWARD Winners

1. Regional LMAG Achievement Award 2023 – **Hajime Imai** from Tokyo LMAG.

2. Regional Individual LM Service Award 2023 – **Koruthu Varughese**, Kerala, LM Member Coordinator, India Council

GLOBAL AWARD Winner

1. Global Individual LM Service award 2023 - **Koruthu Varughese**, Kerala, LM Member Coordinator, India Council.

Congratulations to above winners from R10.

2023 MGA Individual Awards

Call for Nominations

2023 MGA Individual Awards: Deadline 18 September

You can help recognize the efforts of outstanding volunteers by nominating individuals for one of the prestigious IEEE Member and Geographic Activities (MGA) Awards Program.

Each award has a unique mission and criteria and offers the opportunity to honor distinguished colleagues, inspiring teachers, and corporate leaders.

If you know someone who has made substantial regional IEEE volunteer contributions through innovative projects, exemplary leadership, service, or by fulfilling the MGA goals as related to transnational activities, consider nominating them for on of the following awards:

• **MGA Larry K. Wilson Transnational Award**

• **MGA Diversity & Inclusion Award**

• **MGA Innovation Award**

• **MGA Leadership Award**

• **MGA Achievement Award**

• **MGA Young Professionals Achievement Award**

Please visit the MGA Award nomination process to review the nominator guidelines and eligibility requirements. **MGA awards are peer-recognized awards and self-nominations are not permitted.**

The deadline to submit nominations is 18 September 2022. A complete nomination form with two letters of endorsement by two IEEE members are required to be eligible.

Nominate a colleague now

If the link above goes to the IEEE Awards home page, go to 'My Nominations' under the 'Login' tab. You may need your IEEE account login to access.

Email questions to mga-awards@ieee.org

Prof.(Dr.) Bijuna Kunju

From Kerala Section is being selected as the winner of the IEEE IAS CMD

"Outstanding Chapter Chair –2023"

The award giving ceremony will be on the IEEE IAS Annual Meeting 2023, Omni Nashville, Nashville,

Tennessee, USA, October 29 – November 2, 2023.

Congratulations!!!

IEEE Awards

Congratulations 2024 Technical Field Award Recipients!

IEEE Awards Board Chair <ieee-awards@deliver.ieee.org>

**2024 Technical Field Award
recipients just announced!**

On 20 June, IEEE announced the 2024 IEEE Technical Field Award (TFA) recipients. These recipients have made an impact on technologies ranging from speech signal processing to AI to the development of HDMI, and so much more.

2023 TFA recipients Kathleen McKeown and Yoshisuke Ueda were recently presented with their awards at IEEE conferences on behalf of the IEEE Board of Directors.

From left: IEEE Fellow Cecilia Metra presented the 2023 IEEE Innovation in Societal Infrastructure Award to Kathleen McKeown at the 2023 IEEE Conference on Artificial Intelligence (CIA) in Santa Clara, CA, USA; Akinori Nishihara, Region 10 Past Director, presented the 2023 IEEE Gustav Robert Kirchhoff Award to Yoshisuke Ueda at the Asia and South Pacific Design Automation Conference (ASP-DAC) 2023 in Tokyo, Japan.

The 2024 TFA recipients will be receiving their awards next year at IEEE Conferences.

Congratulations once again to all of the 2024 recipients!

U.N.'s ITU Secretary-General Receives
IEEE President's Award

Doreen Bogdan-Martin, Secretary-General of the International Telecommunication Union, was named the recipient of this year's IEEE President's Award. She is being recognized for "distinguished leadership and contributions to the public."

About... **Doreen Bogdan-Martin**

Bogdan-Martin began her career in 1989 as a telecom policy specialist in the U.S. Department of Commerce's National Telecommunications and Information Administration, in Washington, D.C. The agency advises the White House on telecommunications and information policy issues.

She left there after five years to join the newly created ITU telecommunication development sector as a policy analyst.

(The International Telecommunication Union (ITU) is the United Nations specialized agency for information and communication technologies (ICTs), driving innovation in ICTs together with 193 Member States and a membership of over 900 companies, universities, and international and regional organizations. ITU is committed to connecting the world).

Three years later, Bogdan-Martin was appointed chief of the ITU's Strategic Planning and Membership department, the most senior position in the general secretariat. She advised the secretary-general at the time, Hamadoun Touré. In addition she oversaw the organization's membership, corporate communications, and external affairs departments.

In 2010 Bogdan-Martin helped establish the U.N. Broadband Commission for Sustainable Development, where she served as executive director, advocating for universal, affordable broadband. She helped create the ITU's youth strategy, which aims to engage youngsters in the U.N.'s sustainable development agenda through programs and events. Its goals are to end poverty, protect the planet, and improve the prospects of communities around the world.

As an International Gender Champion, she works to break down barriers in science, technology, engineering, and mathematics. She is a member of the World Economic Forum 2030 vision leaders group and an affiliate of Harvard's Berkman Klein Center, which studies cyberspace dynamics, norms, and standards. She is also an amateur radio operator, whose call sign is KD2JTX.

She received the award on 5 May at the 2023 IEEE Vision, Innovation, and Challenges Summit and Honors Ceremony, held at the Hilton Atlanta.

IEEE
Advancing Technology
for Humanity

W h a t   W i l l   Y o u   D i s c o v e r   N e x t . . . ?

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C O M M U N I T Y

The IEEE community of engineers and technologists worldwide uses its expertise and know-how to help develop solutions for many critical climate change issues.

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