IEEE India Council

Secretary's Report, Annual General Meeting

12 December 2020, NSUT, New Delhi (Online)

This report summarizes activities and initiatives taken by
IEEE India Council during the year 2020

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1.0 Executive Summary

2020 was the year of many unique initiatives and brought many achievements to IEEE India Council. During beginning of the year, Chairman of IEEE India Council outlined initiatives, plans and goals for the Council. With the help of active and dynamic volunteers, council has been able to deliver on many of its plans and conducted several activities with the help of constituents sections.

Council was successful in conducting Webinar Series on AatmNirbhar Bharat, IEEE PES Day Celebrations, Webinar on Role of India Space Program in New Space Age, 4 YP Webinar, 4 WiE Webinar, 5 SCT Webinar and1 EA Webinar. These events were a true success for the relentless efforts of volunteers.

On technical front, Council along with Delhi Section is organizing it's flagship conference INDICON at NSUT New Delhi. 850 papers were received and 442 papers were accepted after technical reviews. To recognize subsections and to provide opportunity to host and organize technical conference of International level an New series of conference, namely INDISCON is conceived. The first INDISCON was organized by VIZAG Section during Oct 2020 and 57 papers were presented. Second INDISCON will be organized by Nagpur Subsection in 2021.

With advancements to social media, Council has invested time and resources to keep its website updatedand Facebook feeds active. This has enabled many of our members to stay connected.

NEW INITIATIVES: During 2019-2020Council has started following new initiatives:

1. India Council sections/subsections Life-Time Achievement Awards and IC Chair Lifetime Achievement Award.
2. Industry Awards
    a. IEEE IC Technologist of the Year
    b. Women Technologist of the Year
    c. Technology Start-up of the Year
3. Modifications in IC Bylaws with following updates:
    · Formation of Core Committee
    · Inclusion of Advisor(s) in the ExCom and Core committee
    · Closure of IC Society Chapters
    · Inclusion of various Vice-Chairs (VC) in the bylaws
4. Printing of IC Annual Report
5. MoU with IE(I) and IEEE. IEEE President signed the same.
6. Opening of e-notices to the members of IEEE IC with charge basis and two free e-notices to sections.
7. Annual India Council International Subsection Conference (IDISCON) from 2020
8. Increase in Hope Research Foundation Awards from 2 to 4 and widening of its jurisdiction to all SAARC Countries from 2020.
9. Collaborative Events along with IC sections
10. Starting of WiE International Leadership Submit (ILS) with Subsections/Section.
11. Continuously maintainingreceipt of the highest council incentive from R10.

2.0 India Council Executive Committee (IC-EXECOM)

The India Council Executive Committee – 2020 comprises the following Members along with all the Section Chairs as its ex- officio members

S.No.	Name	Role
1	Prof. Sri Niwas Singh	Chair
2	Mr. Puneet Kumar Mishra	Secretary
3	Dr. R.B. Jadeja	Treasurer
4	Prof. Sivaji Chakravorti	Immediate Past Chair
5	Dr. Suresh Nair	Chair-Elect
6	Mr. Deepak Mathur	Advisor
7	Mr. RK Asthana	Ombudsman
8	Prof. Sujit K Biswas	Vice Chair - Technical Activities
9	Dr. Rajshree Jain	Vice Chair - Student Activities
10	Prof. KV Srivastava	Vice Chair - Awards
11	Dr. Y V S Lakshmi	Vice Chair - WIE
12	Mr. Archit Goswami	Vice Chair-YP & SCT
13	Prof. Preeti Bajaj	Vice Chair - Branding
14	Mr. Sabarinath Pillai	Vice Chair-Professional Activities
15	Dr. Amit Kumar	Vice Chair-Section & SS Coordinator
16	Mr. N Venktesh	Vice chair - Industry Relations
17	Dr. Bindumadhava	Vice Chair - Conferences
18	Dr. D. Devaraj	Vice Chair - Educational Activities
19	Dr Vinit Kotak	Vice Chair - Membership Development
20	Dr. Chankya Jha	Vice Chair-HTA
21	Dr. Satish Kumar Singh	Vice Chair-OOSP
22	Mr. Vamsikrishna J	VC-ECIM &News Letter Editor
23	Mr. Harish Mysore	India Office

Section Chairs

S.No.	Name	Role
1	Mr. Puneet Kumar Mishra	Section Chair
2	Dr. Prerna Gaur	Section Chair
3	Prof. Maniklal Das	Section Chair
4	Dr. Amit Kumar	Section Chair
5	Dr Debabrati Sen	Section Chair
6	Mr. Sanjay Kar Chaudhary	Section Chair
7	Dr. Kumarappan	Section Chair
8	Mr. Girish Khilari	Section Chair
9	Dr Asheesh K Singh	Section Chair
10	Ms.SaradaJayakrishnan	Section Chair
11	Prof. Surya Doolla	Section Chair
12	Dr. Lakshminarayana Sadasivuni	Section Chair

3.0 IC-EXECOM/Core Committee Meetings

Total 7 EXECOM meetings and 1 Core committee meeting was conducted for smooth operation of council activities. Last EXECOM Meeting and AGM is planned on December 12, 2020 in hybrid mode on the sidelines of INDICON 2020.

SNo.	Date	Meeting	Description
1	28/01/2020	Core Committee Meeting	Online Mode
2	15/02/2020	EXECOM Meeting	MMMUT, Gorakhpur
3	19/04/2020	EXECOM Meeting	Online Mode
4	21/06/2020	EXECOM Meeting	Online Mode
5	16/08/2020	EXECOM Meeting	Online Mode
6	19/09/2020	EXECOM Meeting	Online Mode
7	22/11/2020	EXECOM Meeting	Online Mode
8	27/11/2020	EXECOM Meeting	Online Mode
9	12/12/2020	EXECOM Meeting	NSUT, Delhi (Physical and Online Mode)
10	12/12/2020	AGM 2020	NSUT, Delhi (Physical and Online Mode)

4.0 Webinar Series on AatmNirbhar Bharat

To keep members engaged during pandemic COVID-19 India Council has initiated a webinar series namely AatmNirbhar Bharat. Under this series two webinars were organised in association with IEEE Bangalore Section. First webinar on Chemiresistive Gas Sensors: Towards Electronic Nose was organized on May 23, 2020. Prof. Navakant Bhat, Chair, CNeS, IISc delivered the webinar. More than 500 delegates attended the same. Second webinar under this series was organized on May 24, 2020.

Prof. Ashutosh Sharma, Secretary, Department of Science and Technology, Govt. of India provided his perspective on "Post COVID-19: Role of Science and Technology towards a self reliant India". More than 750 delegates attended the same.

5.0 IEEE PES Day Celebrations

As part of IEEE PES day celebrations on May 6, 2020, IEEE India Council in association with IEEE PES organized a Panel discussion on "Impact of Electrical Vehicles in the Post Covid world. IEEE PES President, Er. Frank Lambert and India Council Chair, Prof. S N Singh were the panellist. Panel was moderated by Er. Puneet Kumar Mishra, Secretary, IEEE India Council. More than 400 delegates attended the panel discussion and got benefitted. IEEE PES President observed that India can play a very important role in Electric vehicle arena in the post Covid world.

6.0 Webinar on "Role of Indian Space Program in New Space Age

IEEE India Council in association with IEEE Bangalore Section, IEEE Santa Clara Valley Section, IEEE Boston Section and IEEE Industry Engagement Committee organized a webinar of Role of India Space Program in New Space Age. Dr. K Radhakrishnan, Former: Secretary, Department of Space & Chairman ISRO, Presently Chairman, BoG-IIT-K and Chairman, Standing Committee of IIT Council delivered a mesmerizing talk. More than 900 delegates attended the Webinar. Dr. Radhakrishnan observed that India is poised to play a meaningful role in $600 billion global space industry with landmark space sector reforms announced by Govt of India.

7.0 INDISCON 2020

The First India Council International Subsections Conference (INDISCON-2020) was successfully organized on Oct 3-4, 2020 in hybrid mode at GVP College of Engineering, Vishakhapatnam. Prof. S N Singh, Prof. S.K. Ramesh, Prof S.N. Singh, Sri Deepak Mathur, Dr. Suresh Nair, Sri Puneet K Mishra, Dr Supavadee Aramvith, K.V. Sriram were the distinguished speakers in the conference. Dr Abhay Gandhi (Nagpur Sub-Section) participated and presented their plans for INDISCON -2021. Total 57 papers were presented during INDISCON 2020. One Keynote and six Invited Talks were delivered during INDISCON 2020.

8.0 All India Student –Young Professionals –Women in Engineering-Life Members Congress (AISYWLC-2020)

The annual flagship event of IEEE India Council was organized by IEEE Delhi section at Chitkara University, Chandigarh during18-19-20 December 2020 & 26-27 December 2020 in virtual mode. AISYWLC'2020 is being organized by IEEE Delhi Section this year. The event comprises of various tracks spread across 5 days. On 18th December, the event will be inaugurated and on 19th December the event will start by Keynote Session of Dr. Aloknath De, CTO of Samsung. This will be followed by WIE panel discussion with speakers from diverse backgrounds. The panel consists of Karamjyoti Dalal (Bronzemedal IPC World Para Athletics Championship), Simran Khosla (Founder & CEO – Butt Like An Apricot) and Denise Vorraber. On 20th December, the day will begin with the event Flavours of IEEE followed by the Life Members Meet. After the meet a Student branch video presentation competition will be conducted. This will be followed by Dr. Gulshan Rai (First Chief of Cyber Security, PMO India). After the address of Dr. Gulshan Rai a panel discussion on the topic Role of next generation in Space, Technology & Exploration will be conducted. Panelist for this panel discussion are Dr. Goutam Chattopadhyay, NASA, Shreyansh Daftry, NASA and Rajeev Jyoti, ISRO. Panel will be moderated by Puneet Kumar Mishra, ISRO.

On 27th December, PES Panel Discussion will be organized followed by a Panel Discussion on Entrepreneurship. The day will be concluded by Keynote Session of CEO IAMPL, Rolls Royce. The last day of the event i.e. 28th December, will begin by a Panel Discussion on the topic 5G-Networks.After the panel discussion cultural activities will be conducted to entertain the delegates. This will be followed by much awaited Comedy night. The closing ceremony will mark the conclusion of AISYWLC'2020.

9.0 INDICON 2020

INDICON 2020, will be held during 11-13 December, 2020 at NSUT, New Delhi. Total 850 papers were received and 442 papers were accepted after 3 technical reviews. Total 405 papers are registered for the presentation. INDICON 2020 will have 3 tutorials from eminent experts viz. Prof. J R Saini,

Dr. C P Ravikumar, and Dr. Aman Jha. Keynote address will be delivered by Prof. Toshio Fukuda. Dr. K Radhakrishnan Former, Secretary, Department of Space and Chairman IIT Governing council will inaugurate the INDICON2020 as Chief Guest. Er. Rajeev Sharma, Former Chairman & MD PFCL and Prof. Toshio Fukuda, President IEEE will be the Guest of Honors. Prof. Lance Fung, R10-Director Elect (2021-2022), Prof. Shiban Koul, IIT-D, Dr. Suresh Nair, Chair-Elect, India Council, Mr. Meenu Singhal, Schneider Electric, Prof. Jaydevra, IIT-D, Prof. Bheem Singh, IIT-D, Prof. Preeti Bajaj, GU and Mr. Puneet Kumar Mishra, ISRO have agreed to deliver plenary talks.

10.0 YP Activities

1. YP Chair's Meet: IEEE India Council Student Coordination Team hosted the YP Chairs' Meet on 09 July 2020 with Prof.Takuo Suzuki R10 Young Professionals Chair and India Council Executive committee members. The YP Chairs of all the twelve sections had a virtual interaction where all the section YP chairs shared their thoughts and insights. In this meet the YP Chairs discussed about the various initiatives taken by each section to increase the membership and also the probable reason for the membership decline. This meet paved a way for the YP chairs of all the section to share their ideas, opinions and suggestion with Prof. Takuo Suzuki. The meeting was synergetic and turned out to be successful with fruitful discussion among the chair and Prof. Takuo Suzuki.

2. Paytm: Build for India Webinar: A webinar was conducted in collaboration with IEEE Delhi Section on "Build for India: A step towards Atma-nirbhar Bharat" on May 6, 2020. It was delivered by Mr. Saurabh Jain, Paytm-Vice President. This event had the record 3000+ registrations and 1400+ attendees which is a 'first' in the history of IEEE India Council. The webinar was also posted in Paytm official twitter account. The conclave redeemed all its stature and glory owing to the fact that Saurabh sir made every student realize the importance of self-reliance. The true power of the nation lies in its own youth who determine their own destiny, creating new jobs and making their country youthful again.

3. Webinar on Personal Branding : IEEE India council organized a webinar with the Ms. Miri Rodriguez, the Global Head of Internship at Microsoft. Ms. Miri kick started the session with a quote on personal branding. She mentioned the key elements of a brand. Purpose: brand mission, the importance of these word were shared by her journey in Microsoft. Ms. Miri put forth certain statements which helped her improve her own personal branding. She shared her options on personal branding and its need and

also certain points on empathy. This session was an inspiring session Ms. Miri made this more insightful sharing her journey and her motive to write a book. Ms. Miri captivated all the participants and polished them to create their own story. A record breaking 2200+ delegates attended the webinar and got benefited.

4. Webinar on IEEE Resources: "Collabratec & vTools": IEEE Collabratec and v Tools are the vital resources which integrated the online community where technology professionals can network and collaborate. IEEE India Council organized webinar on IEEE Resources: "Collabratec & vTools". Mr. John Day, Director, Member Products & Programs IEEE member & Geographical activities expounded the various resources available in collabratec and the services available for IEEE Members. The next half of the session was with Ewell Tan, Project manager IEEE Asia-Pacific

Limited on vTool. Ewell stated the importance and the need for vTools reporting by explaining the process involved in vTools reporting. The eminent speakers John Day and Ewell Tan enlightened the participants about the two important resources available in IEEE.

11.0 Student Activities

Amidst the pandemic and policies, year 2020, was indeed another active year with full of engagements for student Activities, IEEE India Council. Some of the activities are under progress yet many engagements with student members happened in virtual mode are worth to note for this year.

Professional Development:

1. A number of virtual meets and webinars were organized by Student Coordination Committee, IEEE IC in association with YP, WIE and Membership development. Students across the country could participate in large numbers in many of these sessions due to the format- in the form of new normal practice as "online mode"- without the fear of outside pandemic and worries of managing travel, time and money. A handson workshop on "The Initial Era vs The Future-Artificial Intelligence" was also organized and was attended by more than 150+ delegates.

2. The legacy student contest in the name of M.V Chauhan Paper contest under the umbrella of IEEE India Council is in progress and has continued to attract good number of research papers from both graduating and undergraduate students. The presentations and winner announcements are slated during INDICON 2020.

Community Service

3. A national level technology dissemination contest – EUREKA2020 preparations are in full swing. The team is hoping to have great participation from students across the nations.

Achievements

4. IEE IC Award applications for Student volunteer and Student branches are under progress.

   SAC Chairs/SSRs Virtual MEET/Interaction with R10 SAC Chair, R10 Student Representative and IEEE India Council Execom Members

5. A meeting was arranged on 31 May 2020 to discuss activities, objectives, projects, budgets and tasks undertaken. Later on, an interactive session was conducted in which various queries were addressed. After hearing various suggestions, approaches were discussed and the meeting was concluded. A total of 53 participants took part in the conclave. The meet was very precisely taken by Ms. Huynh Thi Thanh Binh, R10 SAC and Ms. Saavethya Sivakumar R10, RSR where both of them emphasized on how the activities of regional and IC should be streamlined to obtain better output. The section response and participation on behalf of student members had dwindled in the last few years. A low retention rate being another area of concern. A lot of new initiatives were taken so as to overcome these obstacles for a smoother function of activities at all levels.

12.0 Women in Engineering (WiE) Activities: The salient points of WiE activities are as follows:

1. A Panel discussion on "Is Work-Life balance for Women Engg an Illusion?" was organized WIE Team, IEEE India Council Student Coordination Team'20, witnessed female engineering brainstorming and discussing on the hot topics of work-life balance of women engineers. The event commenced with the discussion of the success stories of the panel members and then the last hour of the discussion witnessed vigorous discussions on the importance of women in STEM, the reason for the decreased amount of this category representation, the ways to promote STEM among Women. Total 109 delegates participated in this program and 4 panelists shared their perspective.

2. IEEE WIE Bangalore Section in association with IEEE Bangalore Section and IEEE India Council with IBM India as technical partner is organising Ada Lovelace Day Celebrations on October 13th from 3PM-5PM.As a part of the celebrations, an interesting Hackathon on AI-based Poetry (Sonnet) generation was organized for Students from 13th September to 13th October 2020. The hackathon had preliminary and final rounds. In the preliminary round participating teams were given text data using which they were required to submit a Model with the Training & Test Dataset used and a methodology with a detailed solution document. Shortlisted teams were called for an online final round where the teams were provided with an image dataset and were expected to build an AI model to decipher the context of each of these images and use this context to generate a poem. They were supposed to check for plagiarism by developing a tool for it. An online workshop will be organized for shortlisted teams before the finals. In finals, each shortlisted team will be evaluated by a LIVE online presentation followed by a demonstration and a short Q&A for a duration of 20 minutes and solution will be evaluated based on test data (image/text) by Jury of technologists and a poet. Judges evaluated the participants based on the results of both rounds and declared the 1st, 2nd and 3rd placed teams bagging INR 20K, 12K and 8K award money.

Nikitha Srikanth Sai Keerthana Sakshi Kamal	Risha Dassi	R.V. College of Engineering	Bangalore	ADAWIE20GURLZ	First
John P Vellanikaran Gayathri Aravind	John P Vellanikaran	National Institute of Technology, Calicut	Kerala	ADAWIE20WATTS	Second
Akshita Gupta Siddharth Srivastava Anamika Pal Nitish Mangesh	Akshita Gupta	PRANVEER SINGH Institute of Technology+ IITK	UP	ADAWIE20GANES	Third

ADA LOVELACE DAY CELEBRATIONS (HACKATHON AND TALKS)

September 13, 2020 to October 13, 2020

Registration closes on: 12 September 2020

Organised By:
IEEE WIE Bangalore Section
IEEE Bangalore Section
IEEE India Council

Technical Partner : IBM India Pvt. Ltd.

3. IC-WiE team in association with IEEE Madras Section AG, IEEE Pune section, IEEE Sri Lanka Section have organized IEEE WiE-ILS on December 5-6 & 12-13, 2020.

4. A webinar was organized in collaboration with IEEE Kharagpur Section on Building a Social Enterprise product: Technology used and my journey by Gnana Lakshmi T Senior Leadership Fellow at Women Who Code & Engineering Head, Trustln. The meet was an eye opener to the budding entrepreneurs, as long the term is so is the hurdles intertwined with it. Gnana Lakshmi Ma'am saw to it that every attendee took with him or her a rejuvenated energy to be their own boss. 100+ delegates attended the webinar and excellent feedback was received.

13.0 IEEE IC-Hope Foundation Prahlad P.Chhabria Award

In the honor of Late Shri Pralhad P. Chhabria's, Hope Foundation and Research Centre, IEEE India Council and Women in Engineering (WIE) Affinity Group, IEEE Pune Section has constituted two awards that are designed to recognize and applaud outstanding female student/s specifically from the faculties of Science, Engineering or Technology as well as young women Scientists, Engineers or Technocrats who are in their early career stage. Each award is a cash prize of 1,25,000/- (Rupees One Lakh Twenty Five Thousand only) Taxes as applicable shall be deducted from this prize money, a medal and a citation. The awards were presented during WiE-ILS 2020, held in virtual mode.

I. Award I - Best Outgoing Female Student (from faculty of Science / Engineering / Technology) For 2020 Awarded to Janani R., Anna Univerity

II. Award II - Best Women Engineer / Scientist / Technocrat (working Professional -Early Career Stage). For 2020 Jointly Awarded to Dr. Anupama Kowli, IIT Bombay and Dr. Esther Flowrence, SSN College

Dr. Anupama Kowli   **Dr. Esther Flowrence**   **Janani R.**

14.0 Eu-Reka 2020

Eu-Reka 2020 is being conducted by Education Society of IEEE Pune section cosponsored by IEEE Pune Section and India Council. This year, AICTE is promoting the program. Apart from a local committee, a national coordination committee was formed with members from different sections for coordination at national level. In view of the uncertain conditions due to COVID-19 Pandemic, it was decided to conduct the complete program in virtual mode. About 450 student / 130 team registrations from 16 states have registered for the program, including a few from far-off states like WB, J&K, Meghalaya, and Sikkim. About 50 teams have completed their interaction with high schools and have submitted on-line reports. These are being evaluated by a nation-wide group of reviewers and results are expected to be available by mid-December.

To clarify all doubts and assist participants, an online Q& A Session 'Know your IEEE and Eu-Reka2020' was held. Dr Lance Fung, Chair, R-10 Education Activities Committee addressed the students on 'IEEE Educational Resources'.

15.0 ConferenceActivities: IC-POCO

IEEE India Council organized and conducted the Panel of Conference Organizers Workshop. The event was held virtually through Webex on October 31, 2020. This workshop was partially sponsored by IEEE Region 10. It provided the complete insights on the execution model of a conference from application submission till conference proceedings submission. Resource persons talked on various topics starting from the application drafting till the paper appears in IEEE Xplore.

In the first session, Prof. S N Singh, inaugurated the workshop and set the context by providing details and importance of quality in organizing the conferences. Subsequently, Dr. Suresh Nair gave the insights of Organizing Big and Flagship Conferences-TENCON 2019.Mr. Puneet Kumar Mishra set the tone of the workshop by providing details of "Why to Organize the Conference & IEEE Conference Application Process". Mr. Dhanu of IEEE India office gave information about IEEE Xplore, Open Access and IEEE Author center. Session ended with wonderful session of Mr. Puneet Kumar Mishra on "Types of Sponsorships and Timeline for Yearly Conferences"In the Second session session started with excellent information on how to write a paper by Prof. J Ramkuar. Then next 3 session were taken by Fred Schindler, IEEE Conferences Committee on: 1.

Technical Program Quality, 2. Peer Review Overview, 3. The Conference Quality Committee (CQC). "Issues and challenges in organizing Conferences" was covered by Dr. Amit Kumar.

At the end Q&A session was conducted and clarifications on the questions raised by participants were provided. Total 375 participants registered for the workshop and more than 200 delegates participated in the workshop. Ninety percent of attendees expressed that they are interested in conducting an IEEE conference at their Institute and 5% said maybe. In the feedbacks, 87% delegates expressed that the presentation content was very relevant and 12 as relevant on a Likert scale of 0 (Not relevant) – 3 (Very relevant).

16.0 Educational Activities

IEEE INDIA COUNCIL Organized a webinar on "Exploring the E-learning resources of IEEE" in online mode on July 18th 2020. This webinar was organized to provide awareness to the members about all the learning opportunities and inspire them to take up proactively. Two hundred and seventy Participants including faculty members, IEEE student branch counsellors, IEEE volunteers and student members attended this webinar. Dr.D.Devaraj, Vice Chair, Educational activities, India Council welcomed the resource persons and the participants. Dr.S.N.Singh, Chair, India Council and Mr.Puneet K Mishra, Secretary, India Council in their introductory remarks highlighted importance of the

technical and professional development resources from IEEE for the benefit of the members and volunteers, especially during this lockdown period.

The resource persons, Prof. Lance Fung, Coordinator, IEEE R 10 Educational Activities and Dr. SupavadeeAramvith, Chair, IEEE EAB Section Education Outreach Committee were introduced by the IEEE Volunteers. The first session was handled by Dr.SupavadeeAramvith on "Pre-University Learning resources". She explained the different learning resources available for the school students. He encouraged the participants to utilize these resources to educate the school students on STEM education. The second session was handled by Prof. Lance Fung on "Continuing Education'". He mentioned the activities of IEEE for students and professional members and publications in IEEE. He also highlighted the different online courses organized by IEEE. The sessions were followed by questioner session in which the participants clarified their doubts with the resource persons.

The Webinar enabled the participants to understand the different learning resources available for the School students, College students, faculty members and working professionals. It also provided an opportunity to know the various online courses offered by IEEE. The session ended with the vote of thanks and received positive feedbacks from the participants.

17. Branding Activities: WiE-ILS Nagpur

With the approval from Global WIE, IEEE Women in Engineering International Leadership Summit 2020 Nagpur was planned, and executed virtually during 6-8 November 2020 with the theme "Ignite, Inspire & Engage". The event was hosted by IEEE Nagpur Subsection in association with IEEE India Council & was supported by IEEE Pune Section, IEEE Delhi Section & IEEE UP Section with Technical & workshop Partnership by IBM & Resource Partner IIIT, Nagpur. Dr. Preeti Bajaj was organizing Chair & Honorary chair for the summit was Dr. S. N. Singh, Chair India Council. Dr. AmoliBelsare, Vamsi Jadala, Ravikumar Tiwari, Dr. Prachi Palsodkar, Pooja Jain & Dr. Manoj Shanti were the co-chairs for the summit who executed the

Inauguration of IEEE WIE ILS-Nagpur, 2020

online program. IEEE WIE ILS 2020 has provided regional opportunities to all participants who fostered networking, mentor-ship, and collaboration. The summit began with pre-summit workshop on Blockchain by IBM, and Keynotes on the theme of summit, track speeches on Innovation, Empowerment, Social Leadership & Engagement, panel discussions on WIE Leadership, work flexibility etc. on Day2 & Day 3 of the summit. 65 experts, entrepreneurs, mentor from technology industry, academician and IEEE who are themselves change makers of the society (mix of locals, national and international speakers and journey through rural India to the frugal innovations)were called at the summit. Event witnessed 65 speakers from 15 plus countries and 700+ registrations from 200 plus organizations and viewers have crossed in all 10k. The summit was inaugurated at the hands of Akinori Nishihara, Director Region 10 & Deepak Mathur, Director-Elect Region 10. Prof. S N. Singh, Chair, IEEE India Council was also present as Honorary Chair for the Summit. Prof. B. Ravi, Founder & PI-BETiC, IIT-Bombay delivered inaugural keynote on the topic "Innovation and Entrepreneurship; Success Stories of BETIC's Biomedical Startup". Mary Ellen Randell, FIEEE, President/CEO of Ascot Technologies Inc USA delivered keynote address in "Inspire & Engage".Closing ceremony of the summit was conducted virtually on 8th November 2020 at 3.15pm. Dr. Suresh Nair, IEEE India Council Chair Elect & Dr. Lance Fung, Director Elect R10 2021-22 graced the valedictory function as chief guest and guest of honor. There was a keynote address by Dr. Lance & he emphasized on "Ignite, Inspire & Engage via IEEE". The summit was attended by large number of volunteers, IC members and students and open community. The feedback from speakers is very high.

18.0 Technology Management and Industry Webinar Series

As part of Technology Management and Industry Webinar Series, two webinars on (i) Technology driven logistics and supply chain during Covid-19 was organized on May 19, 2020 in virtual mode. Prof. Manoj Tiwari, Director, NITIE Mumbai delivered the webinar and provided his insights on the technologies used in logistics and supply chain management during covid-19. He also emphasized that AI will play a pivotal role in post covid-19 world in the supply chain and ERP domain. Autonomous vehicles and drones will change the world for betterment and India has sufficient talent and expertise to deal this. More than 600 delegates attended this 2 hour session. 90% of the attendees gave excellent feedback for the session. (ii) Second webinar under this series was organized on "Understanding the world of complexity". Mr. Tathagat Varma, Senior Director, Strategy and Operations, Walmart Labs have provided his deep insights on Complex systems. He started his talk with a very pertinent question "Have you ever

Technology Management & Industry Webinar Series

Technology Driven Logistics & Supply chain during COVID-19

Prof. Manoj Tiwari
Director
NITIE, Mumbai

May 19, 2020 | 06:00 - 07:00 PM IST

wondered how thousands of birds can fly together without colliding with each other without a leader telling them how to fly?"Further, he asked, "how come we suddenly find ourselves in a traffic gridlock, and then just as it happened, it slowly opens up – seemingly all by itself?" What is the explanation behind these real-life phenomenon? In this introductory talk, he nicely explained the world of complexity around us, and discusses how some of thesephenomenon could be explained. He also discussed why it is important to study the field of complexity science, and how one can design better systems using those ideas. 500+ delegates attended this webinar. 97% delegates rated this webinar as excellent and requested to organize such webinars in future. This Webinar Series was organized in association with IEEE India Council.

19.0 Membership (As on December 1, 2020)

India Council Membership has reducedfrom 49900 to 41082, YoY with a rate of 17.67% approximately. This is mainly due to COVID-19 Pandemic. Following are grade wise comparison in various member grade levels.

Member Grade	Count		Member Grade	Count	
	2019	2020		2019	2020
Honorary Member	01	01	Standards Association Member	14	13
Life Fellow	29	29	Life Member	40	45
Fellow	48	46	Member	13374	11769
Life Senior Member	165	179	Graduate Student Member	4900	4522
Senior Member	2790	3577	Student Member	28083	20457
Affiliate	149	138	Associate Member	424	311

Section Wise Membership details are provided below:

SECTION	MEMBERSHIP	SECTION	MEMBERSHIP
Bangalore	8588	Kharagpur	320
Bombay	3866	Kolkata	3167
Delhi	3817	Madras	5390
Gujrat	1128	Pune	980
Hyderabad	3630	UP	2479
Kerala	6568	Vizag	1027

20.0 India Council Awards

The India Council Awards are administered by IC Awards Committee. In order to recognise the dedicated efforts of IEEE Volunteers IEEE India Council following awards were declared.

1. IEEE IC- Life Time Achievement (LTA) for Council Chairs- 2020:Er. Fakir Chand Kohli, Bombay Section, Director Region 10- 1973-74 & Founder Chair, India Council.

2. IEEE IC- LTA for Sub-Section I Section Chairs- 2020
   1. Dr. K. Ramakrishna, Bangalore Section
   2. Prof. S. Mukhopadhyay, Delhi Section
   3. Dr. B. L. Deekshatalu, Hyderabad Section
   4. Prof. V. K. Damodaran, Kerala Section
   5. Prof.S. C. Srivastava, U. P. Section
   6. Dr. Preeti Bajaj, Nagpur Sub-Section

3. IEEE IC Technologist of the Year 2020   : Er. Rajeev Jyoti, ISRO

4. Women technologist of the Year 2020   : Dr Suparna Bhattacharya, HPE

5. Technology Start-up: AyeAI&   McGeeks Mechatronics Pvt. Ltd

6. IEEE IC – Outstanding Volunteer (>35 years) Awards
   1. Ms. D N Sujatha, Bangalore Section
   2. Mr. Amit Kumar, Hyderabad Section
   3. Mr. A. Suhair,   Kerala Section
   4. Ms. Nithyavathy N, Madras Section
   5. Ms. Surekha Deshmukh, Pune Section

7. IEEE IC – Outstanding Student Volunteer Awards
   1. Mr. Yeshwanth L M, Bangalore Section
   2. Mr. Shashank Simha M R, Bangalore Section
   3. Mr. Chinmay Tompe, Bombay Section
   4. Mr. Virendra Pratap Singh Rathore, Delhi Section
   5. Ms. Ritika Jain, Delhi Section

6. Mr. Dhruvinsinh Rathod, Gujarat Section
7. Mr. Srikar Gundu, Hyderabad Section
8. Ms. ANAGHA N, Kerala Section
9. Mr. Shylesh S, Kerala Section
10. Ms. Anishka S, Madras Section
11. Ms. Aditi Khaire, Pune Section
12. Mr. Vineeth Vijayan, Uttar Pradesh Section

8. IEEE IC – Outstanding WiE Volunteer Awards
1. Ms. Anupma Thakur, Delhi Section
2. Ms. Anishka S, Madras Section

9. IEEE IC – Outstanding YP Volunteer Awards
1. Ms. Shaik SuraiahThaseen, Bangalore Section
2. Ms. Ashwini Appaji M, Bangalore Section
3. Mr. Jeet Dagha, Bombay Section
4. Mr. Akash Nambiar, Kerala Section
5. Mr. Shankar J, Kerala Section
1. Mr. Nishant Kumar, Kolkata Section (Consolation)
2. Mr. Sandeep Vuddanti, Vizag Section (Consolation)

10. IEEE IC – Outstanding Student Branch Award
1. IEEE Student Branch Chengannur College of Engineering, Kerala Section

11. IEEE IC – Outstanding Emerging Student Award
1. Silver Oak University IEEE SB, Gujarat Section

21.0 M V Chauhan Student Paper Contest 2020 : Following papers were adjudged as best paper under M V Chauhan Student Paper Contest.Undergraduate Category

1570652974, Siddhant Banyal, OSEPCloud: Opportunistic scenario-based Security and Privacy enhanced data forwarding framework for Cloud computingGraduate Category
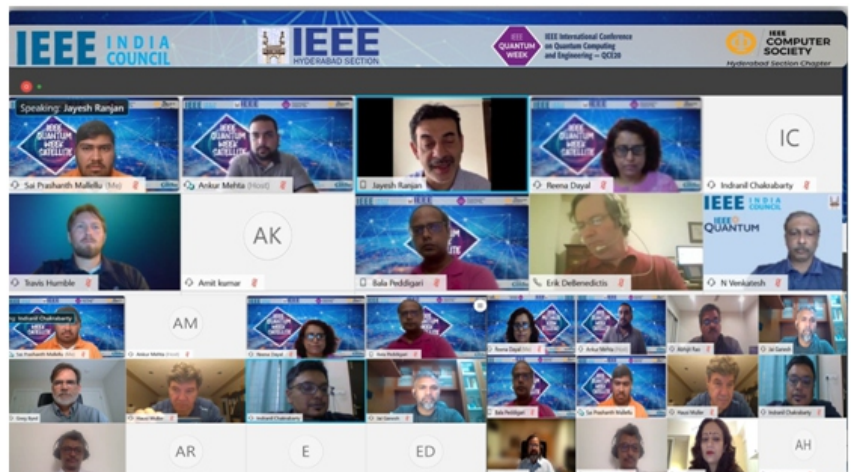
1570652556, SMRITI REKHA BARUAH, Outage Analysis of DF based Mixed Hybrid Multi-hop Cooperative System

22. IEEE Quantum Week Satellite Event

IEEE Quantum Week is a multidisciplinary quantum computing event where attendees have the unique opportunity to discuss challenges and opportunities in the field of quantum computing and related areas. The event was held in the second week of October 2020. As a run-up to that global event, the Quantum Computing Special Interest Group, a part of the Computer Society Chapter of

IEEE Hyderabad Section, along with IEEE India Council, organized the IEEE Quantum Week Satellite Event on 3rdOctober, 2020.

The event had speakers from the US, UK, France, Australia and India along with Future Directions Quantum Initiative leaders. There were over 500 registrations with over 200 participants from academia, industry and government from multiple countries. The topics covered included the IEEE Quantum Initiative, Quantum Computing and Algorithms, Hardware Technologies, Applications, and Quantum Photonics, among others. Among the

speakers was the IT Secretary of the Telangana Government who reiterated support for all Quantum related startups and a focus on Quantum Education in the state. The TSDSI (Telecom Standard Development Society of India) reached out for collaboration with IEEE Quantum SIG.
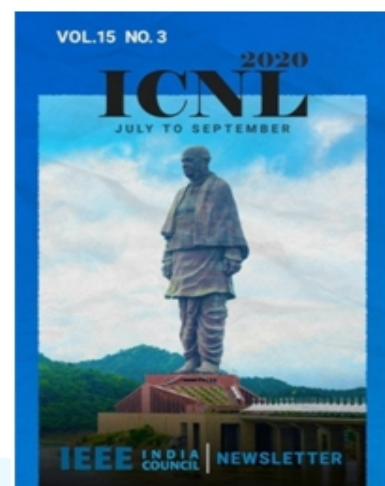

23.0 IC Newsletter

In the last 9 months, ICNL has released following 3 editions each quarters namely January - March, April - June & July-September. These 3 releases majorly focussed on section initiatives, leadership webinars, technical webinars, notes from leaders in crisis management, awards & accolades. One can read the following newsletter with the mentioned links. The exclusivity of these newsletters is the cover pages which cover North, South, West & 4th edition will premiere Eastern India. Should you've any questions, feel free to write to ic-ecim@ieee.org.

Read it here:
https://bit.ly/ICNLV15-1

Read it here:
https://bit.ly/ICNLV15-2

Read it here:
https://bit.ly/ICNLV15-3

24. Slate for 2021

The nomination Committee for the year 2021 was formed by IEEE IC Chair as per By- laws of IC. The IC Nomination Committee is as below.

Chair – Prof. Sivaji Chakravorti, Immediate Past Chair of IC

Member – Dr. S.M. Sameer, Past Chair of Kerala Section

Member – Prof. J Ramkumar, Past Chair of UP Section

The committee has unanimously, resolved to nominated Prof. Debabrata Das of Bangalore Section as IC Chair-Elect 2021. No Petition was received within the stipulated time as per IC Bylaws. In view of this Nomination Committee declared the Prof. Debabrata Das as IC Chair-Elect 2021.

25.Liaison with IEEE India Office:

Mr Harish Mysore, Director IEEE India Office in Bangalore, continues his close association with the activities of India Council and is regularly present at IC meetings. India Council acknowledges the various efforts of IEEE India Office, which have added value to members in India.

26. Financial Status (as on 09.12.2020)

Income	Amount (INR)	Expenditure	Amount (INR)
Opening Balance (as on 01/01/2020)	14,24,853.69	Payment during the year	3,27,228.00
Receipt during the year	7,06,233.00	Closing Balance (as on 09.12.2020)	18,03,858.69
Total*	21,31,086.69		21,31,086.69

* Excluding IEEE R10 Incentive and R10 POCOof US $ 2250 (INR 1,65,000 approx.). Expected to be received soon.

27. Acknowledgements:

I wish to place on record my sincere thanks to the IC Chair, Past Chair, Chair-Elect, Treasurer, Section Chairs, all IC Vice-Chairs and Executive Committee Members, Ombudsman, Editor IC Newsletter, IC and Section volunteers, who have worked hard throughout the year and helped us in organizing meetings, conducting events and taking India Council to new level.

Puneet Kumar Mishra

Secretary, IEEE India Council 2020