IEEE India Council

Secretary's Report, Annual General Meeting 2019

14 December 2019, Marwadi University, Rajkot

This report summarizes activities and initiatives taken by IEEE India Council during the year 2019

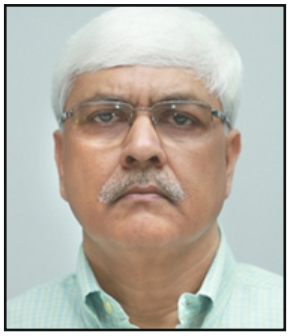
IEEE INDIA COUNCIL

IEEE
Advancing Technology for Humanity

IEEE India Council Core Committee

Prof. S N Singh
Chair

Mr. Deepak Mathur
Advisor



Prof. Sivaji Chakravorti,
Past Chair

Dr. Suresh Nair
Chair Elect

Mr. Puneet K. Mishra,
Secretary

Dr. R B Jadeja
Treasurer

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1.0 Executive Summary

2019 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 successfully hosted IEEE President's, Executive Director's and Public Policy Chair's Visit. Council was successful in conducting 160th Birthday Celebrations of Sir J C Bose, Public Policy workshop, mini POCO workshop, All India Students-YP-WiE Congress, 4 Industry Webinar, 3 YP Webinar, 2 Industry visits and 1 Hands-on workshop. These events were a true success for the relentless efforts of volunteers.

Professional activities garnered speed with the revised collaboration (MoU) with IEI. This collaboration effort is for member benefits as it opens up new horizons in the field of technology and management.

On technical front, Council along with Gujrat Section is organizing it's flagship conference INDICON 2019 at Marwadi University. 502 papers were received and 241 papers were accepted after 3 technical reviews.

To recognize the efforts the volunteers, Council has constituted several new awards. As part of Industry initiative council has constituted 3 new awards. To recognize subsections and to provide opportunity to host and organize technical conference of International level, A new series of conference is conceived, EoI to host this conference is floated. The first IC Subsections conference is planned to be organized during June/July 2020.

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

Council has taken some strong steps and dissolved all the chapters and merged them with respective sections to stream line their activities.

Council is happy to share that, under IEEE R10 Incentive Scheme, IC has scored highest point and secured first rank among all the three councils of IEEE R10. An incentive of US $2000 will be received from IEEE R10 for IC's activities and overall performance.

NEW INITIATIVES: This year Council has started following new initiatives:

1. IEEE IC – Nokia Industry Visits on Experimental Learning
2. IEEE IC-Anritsu Hand on Workshop
3. LM Track in All India Student-YP-WiE Congress
4. Regulation of IC e Notice
5. Industry Awards namely: Technologist of the year, Startup of the year and Women Technologist of the Year
6. India Council Leadership Awards: a. India Council Lifetime Achievement Awards for IC Chairs,b. India Council Leadership Awards for Section/Subsection Chairs
7. IEEE IC Subsections Conference
8. Revision of IC By laws for improved and efficient functioning

2.0 India Council Executive Committee (IC-EXECOM)

The India Council Executive Committee – 2019 comprises the following members along with all the Section Chairs as its ex- officio members.

S.No.	Name	Role	Section
1	Dr. Sri Niwas Singh	Chair	UP
2	Mr. Puneet K Mishra	Secretary	Bangalore
3	Dr. R.B. Jadeja	Treasurer	Gujarat
4	Dr. Sivaji Chakravorti	Immediate Past Chair	Kolkata
5	Dr. Suresh Nair	Chair Elect	Kerala
6	Mr. Deepak Mathur	Advisor	Gujarat
7	Mr. RK Asthana	Ombudsman	Delhi
8	Mr. H R Mohan	Newsletter Editor	Madras
9	Dr. Chankya Jha	VC-ECIM	Bombay
10	Mr. Vamsikrishna J	VC-YP	Hyderabad
11	Dr. Sujit K Biswas	VC - Technical Activities	Kolkata
12	Dr Rajashree Jain	VC - Student Activities	Pune
13	Dr. Preeti Bajaj	VC - Awards	Bombay
14	Dr. Rachana Garg	VC - WIE	Delhi
15	Prof. Kumar Vaibhav Srivasnata	VC - Educational Activities	UP
16	Ms.Sarada Jayakrishnan	VC-Professional Activities	Kerala
17	Mr. Girish Khilari	VC-Section and Subsection coordination	Pune
18	Dr. Sudeendra Kaushik	VC - Industry Relations	Bangalore
19	Dr. Amit Kumar	VC - Conferences	Hyderabad
20	Dr. T. Michael N. Kumar	VC - Branding	Madras
21	Mr. Ashok Jagatia	VC - Membership Development	Bombay
22	Mr. Harish Mysore	India Office	Bangalore

Section Chairs

1	Mr. Keshav Bapat	Section Chair	Bangalore
2	Mr. Abhay Phansikar	Section Chair	Bombay
3	Dr. Prerna Gaur	Section Chair	Delhi
4	Prof. Maniklal Das	Section Chair	Gujarat
5	Mr. N Venktesh	Section Chair	Hyderabad
6	Dr SK Varshney	Section Chair	Kharagpur
7	Mr. Sanjay Kar Chaudhary	Section Chair	Kolkata
8	Dr. Sameer S. M.	Section Chair	Kerala
9	Dr. P A Manoharan	Section Chair	Madras
10	Mr Dinanath Kholkar	Section Chair	Pune
11	Dr Asheesh K Singh	Section Chair	UP

3.0 IC-EXECOM/Core Committee Meetings & EGM

Total Six EXECOM meetings, One Core committee meeting and one EGM was conducted for smooth operation of council activities

SNo.	Date	Meeting	Description
1	17/02/2019	EXECOM Meeting	GIEEE India Office, Bangalore
2	03/03/2019	EXECOM Meeting	Melbourne, Australia
3	30/03/2019	EXECOM Meeting	Aerocity Aloft Hotel, New Delhi
4	04/05/2018	Core Committee Meeting	GIEEE India Office, Bangalore
5	08/06/2019	EXECOM Meeting	Biswa Bangla Convention Centre, Kolkata
6	27/07/2019	EGM 2019	WTC-Brigade Gateway, Bangalore
7	27/07/2019	EXECOM Meeting	GIEEE India Office, Bangalore
8	28/09/2019	EXECOM Meeting	CMR Group of Institution, Hyderabad
9	14/12/2019	EXECOM Meeting	Marwadi University, Gujrat
10	14/12/2019	AGM 2019	Marwadi University, Gujrat

4.0 Celebrating Sir Jagadish Chandra Bose

Sir Jagadish Chandra Bose, one of the fathers of Radio Physics, demonstrated in Calcutta, India, the generation, transmission and reception of electromagnetic waves at 60 GHz frequency over a distance of 23 meters through two intervening walls by ringing a bell and detonating gunpowder in 1895. He developed several components such as a spark-gap transmitter, coherer, horn antenna, dielectric lens, polarizer, and cylindrical diffraction grating.

IEEE celebrated the 160th anniversary of Sir Jagadish Chandra Bose by reflecting on his life and works through eminent speakers compassionately projecting his work to 150 plus aspirant IEEE members and engineers on 17 February 2019 at WTC, Bangalore. This workshop showcased the innovations of Sir J C Bose and its relevance & contribution to the modern technology. While Prof. B S Sonde (ASM Technologies), Prof. D P Sengupta (NIAS) and Dr. Surendra Pal (DRDO) reflected on the life of Sir Jagadish Chandra Bose, Mr. C S Rao (Quadgen Wireless Solutions) and Dr. Yeshwant Gupta (NCRA) presented the application of Sir J C Bose's work in unlicensed 5G band for communication networks and Radio Astronomy. The highlight of the workshop was the demonstration of the working replica model of JC Bose's millimetre wave experiment by Dr. Kareem (MJCET) and demonstration of microwave apparatus by Dr. Sudhir Phakatkar (NCRA).

IEEE Foundation as part of the "Furthering Indian Perception of IEEE" project sponsored the J C Bose workshop organized by IEEE India Council, IEEE Bangalore Section, IEEE Bombay Section and supported by IEEE APS-MTTS Bangalore Joint Chapter and IEEE SPS Bombay Chapter. The workshop held at the landmark World Trade Center Auditorium in Bengaluru was sponsored by World Trade Center, Bengaluru for this noble cause.

Attendees of the Celebration

Prof. S N Singh, Chair, IC Inaugurating the celebrations

5.0 IEEE President Visit

IEEE President & CEO, Dr. Jose F Moura visited Bangalore and met India Council EXECOM on July 27, 2019. A brief presentation on IEEE India Council was made before IEEE President and Executive Director to familiarize them about India Council activities and initiatives. It was informed to the IEEE President that Membership growth in India was 7% and 12% in the year 2017 and 2018 respectively. If 12% YoY growth rate is maintained, by 2026 (when IC will be celebrating its Golden Jubilee year) India Council will have more than135 thousand Members (Equal to 2018 membership of IEEE R10). Even at 7% YoY growth rate by 2031, India Council will have more than 135 thousand members. It was informed to President and Executive director that IC is facing following major challenges:

a. Membership

i. Retention and Addition
ii. Transformation of Student member to Regular member
iii. Higher membership Fee
iv. Limited Value to IEEE Members
v. Outlook

b. Collaboration with Govt & Industry

c. Volunteers

i. Deficit
ii. Motivation

A request to provide a dedicated secretarial assistant to India Council, who can also assist other India Sections if required was made in front of IEEE President and Executive Director.

IEEE President with IC EXECOM

IEEE India office has arranged a dinner meeting with India Council volunteers, IEEE President, IEEE Executive Director and few industry leaders in Bangalore on July 26, 2019.

IEEE President with IC EXECOM during Dinner Meeting

6.0 Workshop on Public Policy Imperatives

A workshop on IEEE Public Policy was organized by India Council. Dr. Gordan Day, Chair, IEEE Public Policy Committee gave detailed information about IEEE Public policy program and requested India Council to take lead in participating with Govt of India in formulation of Public Policy. He informed the India Council ExeCom members that NITI Ayog, GoI is looking for IEEE support in six identified areas.

7.0 Extra Ordinary General body Meeting (EGM 2019)

The 2019 Extraordinary General body Meeting (EGM) of IEEE India Council (IC) was held under the chairmanship of Prof. S N Singh, IC Chair, at WTC Brigade Gateways, Bangalore on July 27, 2019 from 9.30 AM to 10.30 AM. Discussion and Adoption of amendments to Article II, IV, V, VI and VIII of IC Bylaws in respect of objective, management, nomination and election of officers, eligibility criterion and finances were taken up and approved unanimously by general assembly. Updated Bylaws are posted on IC website at: https://site.ieee.org/indiacouncil/about-ieee/bylaws/

EGM 2019 Attendees

8.0 All India Student –Young Professionals –Women in Engineering Congress (AISYWC-2019)

The annual flagship event of IEEE India Council was organized by IEEE Hyderabad section at CMR Group of Institutions, Hyderabad from 28 to 30 September 2019. AISYWC is an amalgamation of inventors, professionals, entrepreneurs, visionaries and some of greatest minds of the country. By bringing together these brilliant minds a from all walks of life, the AISYWC envisions to provide its members a platform with dynamic career opportunities, path to connect with academicians, scholars and entrepreneurs from diversified field along with a reward for blending in cultures. Every year the AISYWC is held at different venues which gives a glimpse of what the host section has to offer along with the opportunity for each and every delegate to re-evaluate their capabilities.The theme of AISYWC 2019 was to acquire knowledge, Ideate to innovate, Strengthen skillset, Youngsters on a learning spree, weaving networks to nurture, Collaborate to change the world.

AISYWC was inaugurated with much fanfare at CMR Group of Institutions, Hyderabad on 28th September 2019. The event saw a host of distinguished guests, prominent among which were Sri C H Malla Reddy, Minister of Labor, Employment, Women and Child Development from 2019 in Telangana, Mr. M Janga Reddy, Director of CMRIT and Dr. CH. Gopal Reddy, Secretary and Correspondent CMRGI. From the IEEE gallery of stalwarts, there was Dr. S N Singh, Chair of IEEE India Council, Mr. Puneet Kumar Mishra, Secretary, IEEE India Council, Dr. Rajashree Jain, Vice Chair of IEEE Student Activities, Sri N. Venkatesh, Chair of Hyderabad Section, Dr. Y. Vijayalata, Chair of the Congress, Dr. Amit Kumar, Vice Chair of IEEE Hyderabad Section and Sri Vamsi Krishna J, Vice Chair of IEEE Young Professionals and Organizing Secretary of AISYWC 2019.

Prof. S N Singh, Chair IC

Dignitaries on the dais during Inaugural Session of AISYWC 2019

IEEE Tell-a-Tale, a first of its kind initiative, that aims to share the unique and inspiring experiences of volunteers was also launched on the first day of AISYWC 2019.

First Keynote Address on DSP through Digital Filtering was given by Dr. GVV Sharma, IIT Hyderbad. Subsequently, an Ice Breaking Session was led by Mr. Jeet Dagha and, Ms. Dimple Khilwani. Next session was on IEEE Microwave Theory & Techniques- Initiative & Opportunities for Young Minds by Dr.N. Srinivasa Rao. Dr. Sulakshana Chilukurigave a talk on The Importance of research in RF and Microwave Engineering. Session on Entrepreneurship in Global Perspective was taken by Mr. Murali Bukkapatnam. Last technical session was on Failures, Learning and Experiments: Achieving Something Meaningful by Mr. Puneet K Mishra Head, SACTDS/ISRO. Before cultural program a standup comedy by Mr. Sudeendra Koushik was performed. Host Institution performed a cultural night starting from traditional dances including folk to hip-hop and beat boxing.

IEEE Day Celebrations during AISYWC

The second day of the Congress started with a talk on "How to turn obstacles into opportunities" by Dr. Sandhya Kode, IIIT Hyderabad. Mr. Anil Rachamall Founder End Now Foundation gave a talk on Digital wellbeing - building a positive digital footprint. For TEMS panel discussion, the panelists were Dr. Sudeendra Koushik, Mr. K Gopalakrishna, Mr. J Krishnaswamy, Mr. Bala Prasad and Mr.AbhishekAppaji(moderator). Prof. Atul Negi University of Hyderabad, took a session on the future science artificial intelligence and AI for social good. Mr. N Venkatesh Chair, IEEE Hyderabad Section, handled a session on Wi-Fi connectivity for remote sensing drones.

The most awaited enthusiastic cultural night started with the Rock Band by the host institution CMRIT. The delegates from different sections showcased their talents. The performance started with Ganesh vandhana and the traditional Kathak dance. The participants from various sectionsparticipated inthe cultural night.Program ended with the celebration of the traditional Bathukamma festival of Telangana.

Cultural Program during AISYWC 2019

Third day first session of the final day congress was taken by Mr. Vamsi Krishna J & Mr. Abishek Appaji on the topic "Crossing the chasm from Student to Studentpreneur".The next session was by prof. ML Sai Kumar Past Dean of Academics, Institute of Public Enterprise about the Make a Difference (MAD). This was followed by the launch of Skill Connect Program website by Dr. Amith Kumar, Mr. Bala Subramanyam and Mr. Ravishankar. The flagship event of IEEE India Council AISYWC 2019 came to an end with valedictory session and certificate distribution followed by group photo with Congress T-shirt. The vote of thanks was given by Mr. J. Vamsi Krishna. The biggest event on the calendar for IEEE members in India was a remarkable one by achieving the mission and vision of AISYWC 2019 successfully. The Congress ended with Lunch & Wrap up from event place to Hotel

9.0 Life Member Track in AISYWC 2019

The Life Members (LM) track was added for the first time in AISYWC and was organized on Day 2. Prof. Sankaran, R10 LMC Chair, welcomed the attendees and opened the session with a brief on the background of how this LM Track came to be a reality. The track was attended by 14 LMs from various Sections of India including Chair/Vice Chair of all the 5 LMAGs in India – viz. Delhi, Bombay, Hyderabad, Bangalore & Kerala. The special guest was Dr V Prasad Kodali, IEEE Fellow, past R10 Director and one of the senior most LMs in India. DrKodali delivered an invited talk on "History and Contributions of LM grade in IEEE". Kodali's talk was followed by address by Sankaran who spoke on "Some IEEE experiences and vision of some things for IEEE". He also outlined his idea of "IEEE Laureate Forum" for the future of IEEE and benefit of young researchers in engineering fields.This was followed by brief speeches by LMAG Chairs. The next session was a Panel Discussion, with the theme "Experience of LMs with IEEE and giving back to IEEE & Community as LMs". Prof. Jenkins of Bangalore LMAG was the Moderator and initiated the panel with some opening remarks and invited LMs R K Asthana of Delhi, Madhu Mangal of Kerala and T S Rathore of Bombay to kick-start the session with their thoughts on the theme. Dr. Kodali appealed for focus by LMs on school & college students, explore possibilities for new IEEE Milestones in India, increase the winning of IEEE Field Awards by Indians and revive the earlier mooted regional budget to provide for annual meeting of LMAG Chairs.Jenkins concluded the Panel Discussion with observing the need to reflect on how much the world has changed and the need for innovative ways and means of finding solutions for the many challenges, where LMs can certainly contribute. Prof. Sankaran then did a wrapup of the LM Track, expressing hope that the LM Track would become an integral part of the AISYWC from the year 2020.

Life Members of India Council attending LM Track

10.0 INDICON 2019

INDICON 2019, will be held during 13-15 December, 2019 at Marwadi University, Rajkot, Gujarat. Total 502 papers were received and 241 papers were accepted after 3 technical reviews. INDICON 2020 will have 3 keynote talks by Ravindra Dahiya, University of Glasgow, Toshio Fukuda, IEEE President 2020, Professor, Beijing Institute of Technology/Meijo University (China), Cecelia Maitra, IEEE Computer Society President 2019. INDOCN 2019 will also have 15 invited talks, 2 tutorials, 2 workshops, 2 Focused sessions, Startup-innovation session, YP-WIE session, MVC paper contest and 241 paper and poster presentation through multiple parallel sessions.

11.0 Student Activities

Student Activity Committee, IEEE India Council set the following objectives for the year 2019.

- To act as an Interface between IEEE HQ, Region 10, and IEEE Sections in India
- Design and Implement student exclusive programs
- Community Development, Awards and Appreciations
- Membership Development, Retention, Conversion to full members

The same are achieved by the following activities

Sl No	Activity Name & brief Description	Date and Time and Venue	Number of Students participated	Activity in association with
1	Two Experiential Learning opportunities to IEEE student member of all sections of under IEEE India Council through Industry visit- Nokia R & D Labs Bengaluru	13 April 2019 and 29th June 2019 Nokia R & D Labs Bengaluru	97 +81=178	IEEE IC and Nokia University Collaboration
2	A national level Technology Dissemination Contest for Students(TDCS)-Eu-Reka 2019. Event saw a record registration of about 450 students from different parts of the country. Regional selection of the contest was done during first week of August in coordination with volunteers from 7 IEEE Sections; 90 of the selected students appeared for finals at Pune. Dr K Kasturirangan, Former Chairman of ISRO and Chief Architect of National Education Policy gave away prizes for the winners on 31st August, 2019	Regional Level- At Branch and Section level Finals at Pune on 31 August 2019	450 Students participated. More than 10000 School students were reached by IEEE students to create an awareness of STEM education and emerging trends among them	♦ SAC IEEE India Council ♦ Education Society, IEEE Pune Section ♦ IEEE Humanitarian Technology Committee ♦ IEEE EAB Region 10 ♦ Leap & Scale Growth Partners Pvt. Ltd. ♦ Netlux Antivirus ♦ MIT WPU

Sl No	Activity Name & brief Description	Date and Time and Venue	Number of Students participated	Activity in association with
3	ITC fellowship to IEEE students and Faculty members ITC India was held under International Test Conference	21-23 July 2019	30 Students 30 Faculty members	♦ In association with ITC
4	M V Chavan Paper contest	13 Dec 2019	58 Papers received, 13 Accepted	♦ IEEE IC and IEEE Gujarat Section
5	Some Awards and Achievement- 1. IEEE Regional (10) Exemplary Student Branch Awards – 9 out of 15 are from IEEE IC 2. R10 Student Activities Committee Outstanding Student Branch Award -First Place A. D. Patel Institute of Technology, Gujarat Section, Third Place Dr. Akhilesh Das Gupta Institute Of Technology And Management, Delhi Section 3. R10 Joint Student Branch Initiative Fund 2019 - 6 out of 10 selected for Joint SB initiatives were from IEEE IC 4. IEEE IC student Branch most promising and upcoming-Under progress.			

IEEE India Council - Nokia Experimental Learning Series (Batch 1&2)

TDCS/EU-Reka 2019

12.0 Women in Engineering (WiE) Activities

The salient points of WiEactivities are as follows:

1. Contact details of WiE chairs of various sections under IC has been obtained and common mails with the members have been exchanged. Also WhatsApp group of active WiE volunteers of various sections has been created
2. IEEE WIE-India Council, Equal Opportunity Cell DTU and WIE Delhi Section had organized a program on "Cyber Security" for women students and faculty members of the institutes under Delhi Section. The program was an initiative of National Commission for Women (NCW) under "Digital Shakti Program" in association with Cyber Peace Foundation. The event took place on 9th April, 2019 at Delhi Technological University. 90+ women participants where everyone had a great learning experience.
3. The information about IEEE Region 10 WIE Travel Grant for ILS (Partial travel funding) program for IEEE R10 WIE members to attend and present IEEE WIE International Leadership Summits 2019 in R10 (Bangalore, Beijing, Islamabad) has been shared and has been put on IC website.
4. The information about IAS CMD WIE travel grant program IAS members for attending a local WIE International Leadership Summit (ILS) has been shared with all the WiE chairs.

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 AISYWC 2019, held at Hyderabad.

I. Award I - Best Outgoing Female Student (from faculty of Science / Engineering / Technology) For 2091 Awarded to Ms. Shubhi Sareen

II. Award II - Best Women Engineer / Scientist / Technocrat (working Professional -Early Career Stage). For 2019 Awarded to Dr. Rajalaxmi Chouhan

IEEE IC-Hope Foundation Prahlad P Chhabria Award ceremony

14.0 Conference Activities

i. TCS Approved Conference - 01 - ICETET -International Conference on Emerging Trends in Engineering and Technology Signal and Information Processing- Held at Nagpur on Nov 1-2.

ii. R10 POCO - Organised at MMMUT Gorakhpur along with IEEE UP Section. 100+ attendees joined for the minipoco at Gorakhpur which was very well received. Sessions on Technical cosponsorship, Conferences quality and Publications with IEEE Xplore were emphasized during the event. More Details here http://www.mmmut.ac.in/poco2019/#speakers

iii. IC Conference Policy rework and adapted - Updated on IC Website https://site.ieee.org/indiacouncil/conference-norms/

iv. R10 Conference Leadership workshop

VC Conferences was one of the lead organizers of IEEE Region 10 first 'Conference Leadership Program (CLP)' on 17-18 August 2019 at Goa, India. The program was attended by 42 delegates. Participants were from India, China, Bangladesh, Singapore, Indonesia, Japan, Malaysia and Australia. The course was tailor-made by MCE for Region 10 after having discussion with Region 10 volunteers. A team of MCE led by Fred Schindler and assisted by Mr. Kevin Hanft, Jacqueline Sturdivant and Ray Borgone were the speakers in the CLP. Mr.Anil Roy and Harish Mysore discussed about the flagship conferences and role of IEEE offices respectively.

Region 10 Conference Leadership Program

15.0 Memorandum of Understanding

The MoU between IEI and IEEE was signed on 26 July 2019 at IIT Bangalore in presence of Dr. Jose Moura, President & CEO, IEEE, and Dr T M Gunaraja, President IEI as part of Inaugural function of IEEE CONECCT 2019. During the event Prof Bhargab Bhattacharya of ISI Kolkata, was presented with the 4th IEI-IEEE Award for Engineering Excellence.

MoU between IEEE and IEI signed by IEEE President and IEI President

16.0 Industry Engagement

The following are the webinars conducted in 2019.

1. Pratik Baheti - IPR filing for academia- 45+ participants
2. Sudeendra Koushik- Can employees become entrepreneurs? - 50+ participants
3. Ravikiran Annaswamy - How to build lasting professional networks? - 35+ participants
4. Nidhi Raina- Managing Technical Career- HR leader's perspective- 40+ participants.

Industry forum is being organized in December and Engineering Manager of the year award has been initiated VC-Industry Relations, Represented IC for IEI in Mauritius.Various sections have been synergised to joint activities, like Hyderabad, Pune, Kerala, Bangalore.

17.0 Educational Activities

Under Educational activities a hands-on training cum workshop on RF instruments and 5G technology was organized at Anritsu, Bangalore on October 11, 2019. Total 30 Students across India participated in the program and got benefitted. Students were given hands-on training on RF Signal Generator, Vector Network Analyzer, Power Meter and Spectrum Analyzer. Second program is planned in December 2019.

Hands-on Training on RF Instruments Participants

18. Professional Activities

Professional activities team of Kerala section along with IC Vice Chair of Professional Activities organized a meet-up of members from other sections in the Region 10 and with Dr. Nirmal Nair, chair, professional activities, IEEE Region 10. This was held on Friday, 18th October at Grand Hyatt, Bolgatty Island, Kochi on the sidelines of TENCON 2019. Dr. Kush Agarwal, Chair, Professional activities, IEEE Singapore Section, Prof. Jung Chang, Chair Professional Activities of IEEE Seoul Section, Sarada Jayakrishnan, Vice Chair Professional Activities, IEEE India Council, Mr. M C Jayakrishnan, Chair Professional Activities IEEE Kerala Section and Mr. Aju Thomas IEEE Kerala Section participated in the meet-up.

In the meet-up participants shared the activities being organized in their respective sections. Singapore section conducted a few networking events for IEEE WiE members, workshops to support start-ups. Seoul section had a few networking sessions for YPs and Life members. They also conducted sessions on latest technologies for IEEE members.

Ms. Sarada Jayakrishnan, IC VC Professional activities pointed out on the need for the members from Industry to feel enriched by their association with IEEE. For Members from Academia, being with IEEE has inclusive benefits also for enhancing their career paths. There was discussion on how IEEE Professional activities could help find programs which could benefit members from various industry including manufacturing.

Dr. Nirmal Nair shared in detail about his plans of revamping the professional activities in region 10. His plan is to give clear directions for the professional activities groups to influence policy decision makers of respective region. He is also planning to initiate professional activities day in the major IEEE conferences. He is planning to present his ideas to the Region 10 and get their approval before circulating to various sections.

Professional Activities meet-up during TENCON 2019

19.0 Membership (As on November 30, 2019)

India Council Membership has grown from 45890 to 49900 YoY with a rate of 9% approximately. Following are grade wise comparison in various member grade levels.

Member Grade	Count		Member Grade	Count	
	2018	2019		2018	2019
Honorary Member	01	01	Standards Association Member	NA	14
Life Fellow	25	29	Life Member	35	40
Fellow	47	48	Member	12098	13374
Life Senior Member	159	165	Graduate Student Member	2399	4900
Senior Member	2399	2790	Student Member	25947	28083
Affiliate	NA	149	Associate Member	534	424

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. Outstanding Volunteer Award
   a. IEEE Volunteer (Age greater than 35)
      1. Dr Prerna Gaur - Delhi Section
      2. Mr K Bijju - Kerala Section
      3. Dr J Ramkumar - UP Section
   b. IEEE Volunteer (Age equal to and below than 35 – Outstanding Student, Outstanding WIE Student, Outstanding YP)
      a. Outstanding Student Volunteer

1. Ankit Yadav, UP Section
2. M Sai Prashant, Hyderabad Section
3. CM Kishore, Kerala Section
4. Axat Patel, Gujarat Section
5. Jatin Batra, Delhi Section
6. Gaurav Sonawane, Pune Section

b. Outstanding Volunteer YP

1. Shyam, Kerala Section

2. Outstanding Student Branch Award

a. Outstanding Student Branch : U V College of Engineering, Banglore (STB34411 Branch Counselor Dr. Kiran K)

b. Outstanding Upcoming Branch : Symbiosis Institute of Computer Studies and Research (STB114047 Branch Counselor Dr Rajashree Jain)

3. India Council Leadership Awards

a. IEEE India Council Chair Lifetime Achievement Award 2019:

Sri. RK Asthana, Delhi Section

b. IEEE India Council Section Chair Lifetime Achievement Award 2019:

1. Prof Sivaji Chakraborti, Kolkata Section
2. Er TS Rangarajan, Madras Section
3. Er NV Rao, Hyderabad Section
4. Prof Anil Roy, Gujarat Section
5. Prof KVS Hari, Bangalore Section
6. Prof D Doke, Pune Section

In total 362 volunteers have applied for the various awards and out of which 129 have submitted data and rest of the entries were incomplete. India Council Congratulate all the awardees.

21.0 IC Newsletter

IEEE India Info, the IEEE India Council Newsletter (ICNL) has been brought out on time every quarter as detailed below:

Vol. 14 – No. 1 -- Jan-Mar 2019 in 160 pages with 25 articles

Vol. 14 – No. 2 – Apr-Jun 2019 in 207 pages with 38 articles

Vol. 14 – No. 3 – Jul-Sep 2019 in 202 pages with 26 articles

The fourth quarter issue for Oct-Dec 2019 is getting ready for release by mid Dec 2019 around the time of INDICON-2019. In the newsletter, along with sizable no. of quality articles on current interest topics authored by working professionals & academic faculty from India and abroad, regular items such as Messages from IC Chairman, Editor, Reports on activities conducted by various Sections & Society Chapters, Reports on activities organised by IC, columns -- "What's hot in IT - An Indian Perspective" & "Information Resources", Book Reviews, Excerpts from books and Announcements relating to various schemes, events & activities of interest to members are published.

Editor of ICNL, Mr. H.R. Mohan wishes to record his sincere thanks to all the contributors to the newsletter.As soon as the newsletters are published and uploaded at the IEEE India Council website, all the IC members are informed about the access details through email to facilitate them to read the contents. The ICNL issues are archived at https://site.ieee.org/indiacouncil/newsletter/

22. Slate for 2020

The nomination Committee for the year 2020 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, Chair of Kerala Section
Member – Mr. J Ramkumar, Past Chair of UP Section

The committee has unanimously, resolved to extend the tenure of current IEEE India Council Chair, Prof. S.N. Singh, for one more year (i.e. for 2020) as per the provisions of IEEE India Council Bylaws - the Article III, Section 2, after review of performance in the year 2019.

23. 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.

24. INDICON 2020 & AISYWC 2020

IEEE Delhi Section will be organizing both the Flagship event of IEEE India Council viz. INDICON 2020 and AISYWC 2020 at Netaji Subhash University of Technology and Chitkara University respectively. INDICON 2020 will be organized from Dec 11-13, 2020. AISYWC 2020 dates are to be finalized.

25. Acknowledgements :

I wish to place on record my sincere thanks to the IC Chair, Past Chair, Chair-Elect, Tresurer, 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

Non-audited Finance statement : (From 01/01/2019 to 09/12/2019)	
IC Opening Balance as on Jan 1, 2019	₹ 14,87,657.35
IC Earning	₹ 2,79,399.00
IC Expenditure	₹ 2,76,351.66
IC Closing Balance as on 9th Dec, 2019	₹ 14,90,704.69

India Council Officer History at a glance

Year	Chair	Immediate Past Chair	Executive V C OR Chair Elect	Secretary – cum – Treasurer OR	
				Secretary	Treasurer
1976	Mr. F C Kohli (Bombay)	None	Mr. T R Subramanian (Bombay)	Mr. H B Shah (Bombay)	
1977	Mr. F C Kohli (Bombay)	None	Mr. T R Subramanian (Bombay)	Mr. H B Shah (Bombay)	
1978	Mr. F C Kohli (Bombay)	None	Mr. T R Subramanian (Bombay)	Mr. H B Shah (Bombay)	
1979	Mr. F C Kohli (Bombay)	None	Mr. D. N. Purandare (Bombay)	Mr. H B Shah (Bombay)	
1980	Mr. F C Kohli (Bombay)	None	Mr. T. V. Balan (Bombay)	Mr. H B Shah (Bombay)	
1981	Mr. Kirith Sheth (Bombay)	Mr. F C Kohli (Bombay)			
1982	Mr. Kirith Sheth (Bombay)	Mr. F C Kohli (Bombay)			
1983	Mr. Kirith Sheth (Bombay)	Mr. F C Kohli (Bombay)			
1984	T V Balan (Bombay)	Mr. Kirith Sheth (Bombay)	Mr. M. R. Sitaraman	Dr. S. C. Sahasrabudhe (Bb)	K. Shankar (Bombay)
1985	T. V. Balan (Bombay)	Mr. Kirith Sheth (Bombay)	Mr. M. R. Sitaraman	Dr. S. C. Sahasrabudhe (Bb)	K. Shankar (Bombay)
1986	T. V. Balan (Bombay)	Mr. Kirith Sheth (Bombay)	Prof. H. S. Sonawala (Bombay)	K. Shankar (Bombay)	
1987	Prof. P. V. S. Rao (Bombay)	T. V. Balan (Bombay)	Prof. H. S. Sonawala (Bombay)	K. Shankar (Bombay)	
1988	Prof. P. V. S. Rao (Bombay)	T. V. Balan (Bombay)	Dr. H. P. Khincha (Bangalore)	Dr. G. D. Dubey (Bombay)	
1989	P. K. Patwardhan (Bombay)	Harbans L Bajaj (Delhi)	Dr. H. P. Khincha (Bangalore)	G. R. Nagabhushan (Bombay)	
1990	P. K. Patwardhan (Bombay)	Harbans L Bajaj (Delhi)	Prof. M. Ramamoorthy	Dr. C. G. Ravi (Bombay)	
1991	Harbans L. Bajaj (Delhi)	P. K. Patwardhan (Bombay)	Dr. C. G. Ravi (Bombay)	Rajendra K. Asthana (Delhi)	
1992	Harbans L. Bajaj (Delhi)	P. K. Patwardhan (Bombay)	Dr. C. G. Ravi (Bombay)	Rajendra K. Asthana (Delhi)	
1993	Harbans L. Bajaj (Delhi)	P. K. Patwardhan (Bombay)	Dr. C. G. Ravi (Bombay)	Rajendra K. Asthana (Delhi)	
1994	Dr. C. G. Ravi (Bombay)	Harbans L. Bajaj (Delhi)	H. Kalyanasundaram (Bombay)	Kranti Kumar (Bombay)	Rajendra K. Asthana (Delhi)
1995	Dr. C. G. Ravi (Bombay)	Harbans L. Bajaj (Delhi)	H. Kalyanasundaram (Bombay)	Kranti Kumar (Bombay)	Rajendra K. Asthana (Delhi)
1996	Dr. C. G. Ravi (Bombay)	Harbans L. Bajaj (Delhi)	H. Kalyanasundaram (Bombay)	Kranti Kumar(Bombay)	
1997	Dr. R. K. Bagga (Hyderabad)	Dr. C. G. Ravi (Bombay)	Dr. Akshai K. Aggarwal (Gujarat)	N. Vyagreswara (Hyderabad)	
1998	Dr. R. K. Bagga (Hyderabad)	Dr. C. G. Ravi (Bombay)	Dr. Akshai K. Aggarwal (Gujarat)	N. Vyagreswara (Hyderabad)	
1999	Dr. Akshai K. Aggarwal (Gujarat)	Dr. R. K. Bagga (Hyderabad)	P. K. Srivastava (Delhi)	Ashok R. Pandya (Gujarat)	
2000	Dr. Akshai K. Aggarwal (Gujarat)	Dr. R. K. Bagga (Hyderabad)	P. K. Srivastava (Delhi)	Ashok R. Pandya (Gujarat)	

2001	P. K. Srivastava (Delhi)	Dr. Akshai K. Aggarwal (Gujarat)	R. Muralidharan (Bombay)	Rajendra K. Asthana (Delhi)	
2002	P. K. Srivastava (Delhi)	Dr. Akshai K. Aggarwal (Gujarat)	R. Muralidharan (Bombay)	Rajendra K. Asthana (Delhi)	
2003	R. Muralidharan (Bombay)	P. K. Srivastava (Delhi)	Rajendra K. Asthana (Delhi)	Raju Hira (Bombay)	
2004	R. Muralidharan (Bombay)	P. K. Srivastava (Delhi)	Rajendra K. Asthana (Delhi)	Raju Hira (Bombay)	
2005	Rajendra K. Asthana (Delhi)	R. Muralidharan (Bombay)	N. T. Nair (Kerala)	Dr. Ram Nath	
2006	Rajendra K. Asthana (Delhi)	R. Muralidharan (Bombay)	N. T. Nair (Kerala)	Dr. Ram Nath	
2007	N. T. Nair (Kerala)	Rajendra K. Asthana (Delhi)	Kasi Rajagopal (Bangalore)	K. G. Satheesh Kumar (kerala)	
2008	N. T. Nair (Kerala)	Rajendra K. Asthana (Delhi)	Kasi Rajagopal (Bangalore)	K. G. Satheesh Kumar (kerala)	
2009	Kasi Rajagopal (Bangalore)	N. T. Nair (Kerala)	Suresh Chander Pal (Chennai)	Rama Krishna (Bangalore)	
2010	Kasi Rajagopal (Bangalore)	N. T. Nair (Kerala)	Suresh Chander Pal (Chennai)	Rama Krishna (Bangalore)	
2011	Dr. Ram Gopal Gupta (Delhi)	Kasi Rajagopal (Bangalore)	Dr. Ponnavaiko (Chennai)	Dr. V R Singh (Delhi)	
2012	Dr. Ram Gopal Gupta (Delhi)	Kasi Rajagopal (Bangalore)	Dr. Ponnavaikko (Chennai)	Dr. V R Singh (Delhi)	
2013	Dr. M. Ponnavaikko (Chennai)	Dr. Ram Gopal Gupta (Delhi)	Deepak Mathur (Gujarat)	Major Chandrasekharan V.V. (Retd)	
2014	Dr. M. Ponnavaikko (Chennai)	Dr. Ram Gopal Gupta (Delhi)	Deepak Mathur (Gujarat)	Mr. T. S. Rangarajan (Madras)	
2015	Deepak Mathur (Gujarat)	Dr. M. Ponnavaikko (Chennai)	Dr. Shivaji Chakravorty (Kolkata)	Anthony Lobo (Mumbai)	Dr. Anil Roy (Gujarat)
2016	Deepak Mathur (Gujarat)	Dr. M. Ponnavaikko (Chennai)	Dr. Sivaji Chakravorty (Kolkata)	Anthony Lobo (Mumbai)	Dr. Anil Roy (Gujarat)
2017	Dr. Shivaji Chakraborty (Kolkata)	Deepak Mathur (Gujarat)	Dr. S N Singh (UP)	Dr. Preeti Bajaj (Mumbai)	Dr. S M Sameer (Kerala)
2018	Dr. Shivaji Chakraborty (Kolkata)	Deepak Mathur (Gujarat)	Dr. S N Singh (UP)	Dr. Preeti Bajaj (Mumbai)	Dr. S M Sameer (Kerala)
2019	Dr. S N Singh (UP)	Dr. Sivaji Chakravorty (Kolkata)	Dr. Suresh Nair (Kerala)	Mr. Puneet K. Mishra (Bangalore)	Dr. R B Jadeja (Gujarat)
2020	Dr. S N Singh (UP)	Dr. Sivaji Chakravorty (Kolkata)	Dr. Suresh Nair (Kerala)	Mr. Puneet K. Mishra (Bangalore)	Dr. R B Jadeja (Gujarat)