

# IEEE INDIA COUNCIL REPORT

## **PART A - SECTION SUMMARY**

### **A.1 Executive Summary**

- INDIA COUNCIL EXECUTIVE COMMITTEE (IC-EXECOM)
- The India Council Executive Committee – 2021 comprises the following Members along with all the Section Chairs as its ex- officio members.

S.No.	Name	Role
1	Dr. K.R.Suresh Nair	Chair
2	Dr Rajashree Jain	Secretary
3	Dr Prerna Gaur	Treasurer
4	Dr. Sri Niwas Singh	Immediate Past Chair
5	Prof. Debabrata Das	Chair Elect
6	Mr. Deepak Mathur	Advisor
7	Dr. Sivaji Chakravorti	Advisor
8	Er. R.K. Asthana	Ombudsman
9	Dr.Thangaprakash Sengodan	Vice Chair, Electronic Information Communication and Management(ECIM)
10	Dr. Atul Negi	Vice chair, Technical Activities
11	Dr. Y. Vijayalata	Vice Chair - Student Activities
12	Prof. S.V.Kulkarni	Vice Chair - Awards
13	Dr. Mini Ulanat	Vice Chair - Women In Engineering
14	Er.Sabarinath Pillai	YP activities & Student Coordination Team
15	Dr. R.B. Jadeja	Vice Chair - Branding & Member Benefits
16	Mr.Puneet Mishra	Vice Chair-Professional Activities
17	Dr. Asheesh K Singh	Vice Chair- Section & Subsection Coordinator
18	Mr.Abhay Phansikar	Vice chair - Industry Relations
19	Dr.D.Devaraj	Vice Chair - Educational Activities
20	Dr.Rajesh Ingle	Vice Chair,-Membership Development
21	Ms.Sadhana Attavar	Vice Chair-HAC
22	Sanjay Kar Chowdhury	Vice Chair-Operations, Outreach and Strategic Planning
23	Utkarsh Singh	Editor, Newsletter
24	Mr.Harish Mysore	IEEE India Office
<b>Section Chairs</b>		
1	Dr. Bindumadhava	Section Chair-Bangalore
2	Dr. Satyanarayana Bhessette	Section Chair- Bombay
3	Dr.Rachna Garg	Section Chair- Delhi

4	Prof Manik Lal Das	Section Chair-Gujarat
5	Mr.Sreenivas Jasti	Section Chair-Hyderabad
6	Ms Sarada Jayakrishnan	Section Chair-Kerala
7	Prof. Sudip Misra	Section Chair-Kharagpur
8	Prof.Sushmita Mitra	Section Chair-Kolkata
9	Dr N Kumarappan	Section Chair-Madras
10	Mr. Geetam Tomar	Section Chair-Madhya Pradesh
11	Mr. Girish Khilari	Section Chair-Pune
12	Dr.Satish Singh	Section Chair- Uttar Pradesh
13	Mr. S Lakshmi Narayana	Section Chair-Vizag Bay Section

- Council Highlights

The council added three subsections and one full section under its umbrella in the year 2021. All 13 sections have extended unconditional support to all of the council initiatives. Each Section was requested to collaborate and provide technical and financial and other support where ever required for its initiatives.

The council was successful in conducting 11 SCT webinars, 8 WIE events, 9 YP focused events, 8 professional activities, 4 educational activities and about 18 plus activities under the brand of Humanitarian activities. Over all a 90 plus IC activities were recorded reaching out to almost 25000 members and non-members, and almost 2 meetings every week among the specific team members to chart out activities.

Council communicated with its members using its website( <https://site.ieee.org/indiacouncil/>) and also through regular mail communication with committee members. Members were also connected using a social media groups too. The student's coordination team and newsletter teams were active in sharing council initiatives with the outside world in the form of social media posts and by releasing quarterly newsletters. Also most of the council and section initiatives were promoted effectively by using IEEE e-Notice facility.

IC's flagship conference, INDICON 2021 is being cohosted by IEEE Kolkata section and would be held at IIT Guwahati from 19-21, December 2021. Another initiative started last year to provide an opportunity to host an international conference from IC subsection, continued this year too. i.e., the subsection hosted international conference- INDISCON for 2021 was organized by IEEE Nagpur subsection under Bombay Section.

The much awaited All India Student, Young Professionals, Women in Engineering, and Life member Congress (AISYWLC) 2021 was co-hosted by Kerala section from 1<sup>st</sup> December to 19<sup>th</sup> December 2021 in a hybrid mode.

The following are some of the major Achievements/ initiatives of Council for the year 2021.

1. Two IEEE Milestones were dedicated to the nation in the year 2021. The Giant Metre Wave Radio Telescope (GMRT), Khodad Village, Near Pune was the third IEEE milestone recognition of India. It was installed on 30<sup>th</sup> March 2021. The fourth one being Calcutta Electric Supply Corporation (CESC) of Kolkata was dedicated to the nation on 18<sup>th</sup> December 2021.
2. India Council has taken up the responsibility to implement MOVE Outreach India program in this year 2021. Six different teams to manage Technical, operations, Marketing, Education, Partnerships and Finance have been formed to manage the initiative. A new website, marketing brochures, a webinars series on disaster management and a number of partnerships to collaborate with (NDRF, RedR etc.,) are in progress for this niche initiative.
3. Digital presence and Branding of council activities were essential ingredients to reach to council members. In this connection council website was revamped, updated regularly maintaining the legacy information intact.
4. A well drafted documentation and policy for the council's Electronic Communication and Information Management (ECIM) was set up. The policy document was communicated through e notice and by uploading it on the website. This has smoothened the e Notice request to IC from IEEE members of India.
5. The bidding guidelines for INDICON and INDISCON were revisited and SoP were set for the same.

6. India council signed a Memorandum of Understanding (MoU) with PGCIL to announce joint awards. The two awards in Category-1: For engineers (Indian citizens only) who are professionally active (with no age limit) and Category-2: For engineers (Young Engineer Category, Indian citizens only) up to 35 years age.
7. The IC, IEEE WIE AG, Pune Section and Hope Foundation MoU was extended for the next three years. The award eligibility was also extended beyond the Indian Continent and to SAARC nations. For the first time a very high profile jury panel was set up to select the best Women Professional early career Winner and Runner and Best Outgoing Student, Female –Winner and Runner.
8. IC awards were more sought. To make the award application processes transparent and effective, IC award portal has been designed, developed and is live. The complete award process this year was carried out using this portal.
9. A shared vision of our chairman, Dr Nair, that the best practices of successful sections for membership development were shared across council members. The council initiatives in creating the value resulted in recruitment and retention goals of most of the sections under its umbrella.

- Major Events (International, National)

- INDISCON 2021- <https://www.ieeebombay.org/indiscon21/>
- INDICON 2021 : <https://www.ewh.ieee.org/r10/calcutta/indicon2021/index.html>
- AISYWLC 2021 :
- IEEE HT Track during R10 HTC 2021 Bangalore -
- Rolling Out MOVE INDIA OUTREACH Initiative
- Joint Awards- PGCIL Awards, Hope Foundation, IEEE-IEI

- Major Chapter Activities -NA

- Major Student and Affinity Group Activities

IEEE INDIA COUNCIL STUDENT ACTIVITIES 2021

Name of Group	Number of activities	Total audience reached	Names of Major Activity
Students	20	2000	Chai - Pe Charcha
Young Professional	9	1000	STEP
Women in Engineering	8	1000	Returning Mothers Conference

- Awards

- **Joint Awards**

1. SHRI PRALHAD P. CHHABRIA AWARDS 2021 -Hope Foundation, IEEE IC and WIE AG Pune Section
2. POWERGRID AND IEEE INDIA COUNCIL (IC) EXCELLENCE AWARD PowerGrid Corporation of India LTd. (PGCIL)
3. 2020 JOINT AWARD IEI-IEEE ENGINEERING EXCELLENCE AWARD IE-I

- **India Council Awards**

A. LTA/ Technology Awards

B. Volunteer Awards

C. Outstanding Student Branch Awards

## A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted on NetSuite)
- Any other financial activities

Opening and closing balance of IEEE Indi council Account as on 31<sup>st</sup> Dec 2021

Income	Amount (INR)	Expenditure	Amount (INR)
Opening Balance (as on 01/01/2021)	19,28,229.69	Payment during the year	5,96,073.00
Receipt during the year	2,39,431.00	Closing Balance ( as on 08/12/2021)	24,35,540.69
Total	30,31,613.69		30,31,613,.69

## **PART B - ORGANIZATIONAL ACTIVITIES**

### B.1 Membership Development Activities

- Total number of active members in the past 3 years.
- Reporting Month January
- Reporting Country India

Member Grade	Member Grade Code	Jan 2020	Jan 2021	Jan 2022
Affiliate	AM	408	312	369
Fellow	F	50	50	54
Graduate Student Member	GSM	5,918	5,661	6410
Honorary Member	H	1	1	1
Life Fellow	LF	29	29	28
Life Member	LM	40	45	44
Life Senior	LS	168	179	183
Member	M	13,749	12,245	13971
Senior Member	SM	2,915	3,604	4410
Student Member	StM	31,153	27,899	39537
	Grand Total	54,431	50,025	65007

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

IEEE India Council Membership Development Committee launched four projects this year:

1. Organize membership development meet
2. Organize Senior membership awareness program
3. Organize Fellow elevation program/ Panel webinar
4. Organize membership development webinar/ talks

Objectives:

1. To improve member retention rate in IC Sections
2. To engage sections in IC MD activities and programs
3. To bring awareness to increase senior membership
4. To increase number of members with Fellow's grade.

The following activities were conducted

- IEEE Fellow Elevation Panel Webinar was organized on 30th January 2021. Speaker Names: Dr. P. K. Sinha, Dr. S. V. Kulkarni and Dr. Sushmita Mitra. Takeaways: Knowledge about IEEE Fellow Program. Best Practices in preparations towards becoming IEEE Fellow, covering all aspects one has to be careful, i.e. pre-requisite, endorser, recommenders, personal web page. 232 IEEE Members attended this event.
- Senior Membership Elevation Awareness Program was organized on 29th May 2021. Speaker Name: Mr. Amarnath Raja, Chairman and Co-founder of InApp, Chair, IEEE A&A Committee. Takeaways: Knowledge about Senior membership elevation awareness program. Best practices and process.
- MEMEBRSHIP DEVELOPMENT KI BAATE: A FIRESIDE CHAT was organized on 20th July 2021. Speaker Names: Sarada Jayakrishnan, Chair- IEEE Kerala Section, Dr. Bindumadhava, Chair- IEEE Bangalore Section, Divya M, Dr. N. Kumarappan, Chair- IEEE Madras Section. Takeaways: Overall Practices, Section Plan Development, conducting SWOT Analysis. Best practices, lessons of Kerala section, Madras section, and Bangalore section. 145 IEEE Members attended this event.
- Membership development webinar/ talks: Session on Benefits of IEEE Membership was organized on 4th October 2021 and 30th October 2021. Session is also available at <https://www.youtube.com/watch?v=xOLGEtwacNs>. Out of 390 participants, 160 IEEE Members attended this event.

## B.2 Chapter Activities NA

- Total number of Chapters in the Section
- Number of Chapters formed in the current year
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
- Summary of Chapter activities (Chapter wise with attachment table/information)

## B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information

### Professional Activities

Name of the Activity	Speaker/Guests	Date	Members	Non Members	Total
Transforming Tomorrow Together with Cisco LaunchPad	Ms. Sruthi Kannan, Head, CISCO Launch Pad	October 1, 2021	75	25	100
Transforming Policy into Pragmatic Reality in the Perspective of Technical	Prof. P. Nagabhushan, Director, IIIT Allahabad, Prayagraj	September 9, 2021	80	30	110

Education vis-a-vis NEP2020					
Leadership and Indian Philosophy	Prof. Himanshu Rai, Director, IIM Indore	August 9	60	30	90
Modelling the COVID-19 Pandemic: SUTRA Predictions	Dr. M Vidyasagar, Chairman, National COVID-19 Supermodel Committee	July 2	100	50	150
Intellectual Property Creation: Why, What and How?	Dr. Alok Nath De, CTO Samsung R&D India	June 4, 2021	400	110	510
Education, Research, Innovation: The Challenging Role of twenty-first Century University	Prof. V Ramgopal Rao	May 28, 2021	430	160	570
DRDO's Defence and Covid-19 Related Technologies towards AtmaNirbhar Bharat	Dr. G Satheesh Reddy, Secretary, DDR&D, GoI	May 21, 2021	500	150	650
Story of Mars 2020 Perseverance Rover from Launch to Landing	Dr. Swati Mohan, JPL/NASA	November 12, 2021	500	550	1050
Total Number of Attendees Reached					3230

#### Educational Activities

1. IEEE India Council organized a Webinar on “Exploring the Educational Resources of IEEE” on 27th February, 2021 through online. Members in attendance-85
2. IEEE India Council Educational Activities Team organized a Webinar on “IEEE Educational Activities” on 26th March, 2021. Members in attendance-125
3. IEEE R10 EAC Sponsored “TryEngineering & STEM Workshop on “Arduino Blink Challenge” for the School Teachers on June 25th & 26th, 2021 Members in attendance-75
4. Education 4.0-Role of Educational Technologies" organized by Symbiosis Institute of Computer Studies and Research, IEEE Pune section, IEEE Delhi Section, IEEE Madras Section and IEEE Nagpur Subsection during 15 July - 17 July 2021. More than 300 participants benefitted during the workshop
5. Panel Discussion on EPICS on July 17th, 2021 jointly with the Students Activity Committee, IEEE IC. IEEE R10 EA Funded Capacity Building Workshop on “Artificial Intelligent Techniques to Address Societal Challenges” during October 1-3, 2021
6. IEEE India Council organized the IEEE R10 EAC supported capacity building workshop on ARTIFICIAL INTELLIGENCE TECHNIQUES TO ADDRESS SOCIETAL CHALLENGES from 1st to 3rd, October 2021 – Members in Attendance 170

#### Technical Activities

- 2nd IEEE India Council sub-sectional, international conference INDISCON 2021.

Hosts: Nagpur Sub Section, under Bombay Section, Venue: Visvesvaraya National Institute of Technology, Nagpur

Mode of operation: Virtual.

Website: <https://www.ieeebombay.org/indiscon21/>

Dates: August 27-29, 2021

Theme: Impactful innovations for the benefit of industry and society

Conference Leadership: General Chair: Abhay Gandhi, VNIT, General Co chairs: Rajesh Pande, Bharatbhushan Joshi, VNIT, TPC Chair: Prabhat Kumar Sharma, VNIT.

Proceedings Link: Papers submitted to IEEE Xplore awaiting publishing

Program Highlights: Inaugurated by Mr. Deepak Mathur, Director IEEE Region-10, with Prof. Pramod Padole, Director of VNIT Nagpur, with Execom members of IEEE Nagpur Sub-section physically present.

Dr. Suresh Nair, Chair India Council, Prof. A. S. Gandhi Chair IEEE Nagpur Subsection, Dr. Preeti Bajaj and Mr. Arvind Kumar, the Past Chairs of IEEE Nagpur Subsection, involved 5 tracks with 4 unique themes including AI (12 papers), Communication (4 papers), electrical vehicular technologies (3 talks) and image/signal processing (3 talks). Keynotes:6 keynotes. Papers: Totally received 124 submissions, 32 were provisionally accepted. Finally, 23 technical papers were presented after registration.

#### INDICON 2021

18th IEEE India Council International Conference INDICON2020

Host Section: Kolkata Section, Venue: IIT Guwahati

Mode of operation: Hybrid

Website: <https://ewh.ieee.org/r10/calcutta/indicon2021/index.html>

Dates: 19-21st December 2021

Conference Leadership: General Chairs: Sukumar Nandi, IIT-G, Sushmita Mitra, ISI Kolkata, TPC Chair: Ujjwal Maulik, Jadavpur university, Co-Chairs: Biswarup Basak, Jatin Kr. Deka and Rohit Sinha, Organising Chair: Sanjay Kar Chowdhury, Publication Chair: Sanasam Ranbir Singh, Co-Chair: Tridibesh Nag

Proceedings: Under Progress

Program Highlights: 288 papers accepted from 665. 4 keynotes, one industrial track talk and one invited talk, Tutorials, Panels, Industry sessions, WIE Sessions and PhD Forum planned.

Present Status: 19- 21 December 2021

#### Part 3 –INDISCON 2022

3rd IEEE India Council sub-sectional, international conference INDISCON 2022

Hosts: IEEE Bhubaneswar Sub-section under Kolkata Section Venue: KIIT Deemed to be University, Bhubaneswar

#### Part 4 –INDICON 2022

Council has invited IEEE Kerala section to host INDICON 2022.

### B.4 Students Activities

- Total number of Student Branches in the Section - NA
- Number of Student Branches formed in the current year - NA
- Council level student activities (student congress, paper and other contests, awards etc) -NA  
Student Congress



#### All India Students Young Professionals Women in Engineering Life Members Congress 2021

The IEEE All India Student - Young Professional - Women In Engineering - Life Member Congress 2021 (AISYWLC'21), the annual flagship event of IEEE India Council, is hosted by IEEE Kerala Section, with IEEE SB MACE as the cohost. The theme of AISYWLC'21 is "Together, Stronger, Forward". The title sponsor for AISYWLC'21 is UST, and Edurupt is the associate Sponsor. IEEE Signal Processing Society, IEEE Nuclear & Plasma Sciences Society and IEEE Electronics Packaging Society are the Society Sponsors. IEEE Students and IEEE Young Professionals are the track sponsors. IEEE Hyderabad Section, IEEE Bombay Section, IEEE Madras Section and IEEE Pune Section are the Section Sponsors. IEEE SB AJCE and IEEE SB GCEK are the Student Branch Sponsors. The event has 603 registrations, of which 100 are offline, and the rest is online. The venue of AISYWLC'21 is Four Points by Sheraton, Kochi Infopark.

The Congress was conducted on four days, on 1st, 11th, 18th & 19th December respectively. On 1st December was the inaugural ceremony. The prestigious event was inaugurated by Dr Sarith Kumar Das, Institute Chair Professor at IIT Madras. He delivered a plenary talk on "Electronic cooling using smart nanofluid". Day-1, which was 11th December, had dedicated tracks under IEEE Students, IEEE Young Professionals, IEEE Women in Engineering and IEEE Life Members. The Inauguration and Day-1 were completely virtual, and Day-2 and Day-3 will be conducted in a Hybrid mode with 100 delegates joining us at the offline venue. Day-2 & 3 have six talk

sessions by eminent speakers from different fields and an SPAA Track. On 18th we have arranged a DJ Night, and on 19th there is a Cultural performance by ALMARAM Music Band.

- Number of active Student Branches (Student Branches who have reported required number of meetings during the year) -The IEEE sections under India council will be reporting on this.
- Summary of Student Activities and **Student Coordination Team** activities (Student Branch wise with attachment table/information) –
  1. Webinar on Membership Development and Retention” on 2nd February 2021. The speaker of the session was Dr Rajesh Ingle, Vice-chair- Membership Development.
  2. The first webinar for this quarter was ‘Humanitarian Outreach Camp 1.0’ was successfully conducted on 12th June 2021
  3. On 13th June 2021, the inaugural episode of ‘Chai Pe Charcha’, a Tea Time Talk series was conducted with the first guest speaker Mr. Deepak Mathur, Director IEEE R-10.
  4. IEEE IC was a proud host of the webinar ‘IEEE Software and Systems Engineering Standards’ by Ms. Susan Kathy Land, IEEE President and CEO 2021, dated 10th July 2021. The participants received in-depth knowledge about the role of IEEE software and systems engineering standards as a basis for software improvement.
  5. The second episode of “Chai Pe Charcha” series was organised on 15<sup>th</sup> August 2021. The guest of honor for the second episode of Chai pe Charcha was Prof.Sivaji Chakravorti, Past Chair of IEEE India Council.
  6. India Council had arranged a tech-talk with the Managing Director of Hero Electric Vehicles Pvt. Ltd, Mr. Naveen Munjal on 11<sup>th</sup> July 2021. The topic of the session was electric vehicles and their market in India.
  7. The third episode of “Chai Pe Charcha” series was organised on 8<sup>th</sup> October 2021. The guest of honor for this episode was Dr. Suresh Nair, Chair of IEEE India Council.

### B.5 Affinity Group Activities

- Young Professional (YP)

S. No.	Name of The Activity	Speaker	Date	Total Number of Participants
1	Support Bombay Section STEP – in association with Bombay Section	Prof. Sabarinath G	10-04-2021	130
2	FINSTART	Mr. Purv Shah	11-04-2021	117
3	Modern Tools for Research	Prof. Binu A	26-04-2021	112
4	Effective research publication	Prof. Sundararajan	27-04-2021	123
5	Workspace Communication	Mr. Vijay S Paul	22-05-2021	138
6	Social Media Security	Mr. Shahul Hameed	12-06-2021	127
7	Sparkle Summit	Prof. Sabarinath G	10-08-2021	25
8	MDC Project Summit	Prof. Sabarinath G	23-08-2021	25
9	Personal Finance management	Ms. Sruthy S Khan	24-09-2021	115
	Total Member Reached			912

- Women In Engineering (WIE)

S. No.	Name of the activity	Speaker Name with Key Takeaways	Total Members attended
1	Interaction with R10 WIE coordinator Ms. Emi Y Mar 12,2021	Ms. Emi Yano	14
2	Planning meeting for Returning Mothers Conference April 16,2021	Dr. Ramalatha Marimuthu	14



3	WIE ILC Networking Event (R10) 10 April 40	Ms. Emi Yano	28
4	International WIE Day June 23, 202	1.Meet the WIE Heroes- BLR Women in Engineering as Heroes- HYD 2.Women Back to Work 2b.introduction to Deep learning-BOM 3.Building a successful career- KER 4.a.Panel Discussion with Engineering Heroes- GUJ 4.b. Ideathon - GUJ 5.Dare to Dream -3 - KOL 6. Embracing Ourselves as Women- Pune 7. Technical summit : Promoting Assertiveness - UP 8. Panel Discussion - Post covid impact: challenges & opportunities- DEL	
5	ToT “Cyber Suraksha “ supported by 8 WIE AGs Jul 3-8, 2021.	Training programme	28
6	Returning Mother’s conference Aug 27-29 , 2021	Multiple Speakers	112
7	AISYWLC- 2021 WIE Track Planning meet October 23	WIE Volunteers	10

- Life Member (LM)

## B.6 Awards & Recognition Activities

- Award constituted by the Council

### D. LTA/ Technology Awards

1. IEEE IC- Life Time Achievement (LTA) for Council Chairs- 2021  
**Mr. Deepak Mathur Former Chief General Manger ONGC, IC Chair, 2015-2016**
2. IEEE IC- LTA for
  - 1 **Section Chair- 2021 – Mr. Sanjay Kar Chowdhury. Kolkata**
  - 2 **Sub Section Chair 2021 – Mr. K.P. Mohandas, Malabar Sub- Section**
3. IEEE IC Technologist of the Year 2020:  
**Mr. Vinod Karar**  
CSIR - Central Scientific Instruments Organization, Chandigarh
4. Women technologist of the Year 2020  
**Ms.Krishna Paul, Intel Technologies**
5. Technology Start-up:  
**Prashant Pansare Founder Rubiscape,**

### E. Volunteer Awards

#### Outstanding Volunteer (>35 years)

1. Narasimhan Venkatesh Silicon Labs, Hyderabad Section
2. Muhammed Kasim S , TKM College of Engineering, Kerala Section
3. Sudip Misra IIT Kharagpur, Kharagpur

#### Outstanding Student Volunteers

1. S J Ruthvik, Rashtreeya Vidyala College of Engineering, Bangalore Section
2. Shubham Mishra SIES GST. Bombay Section

3. J Ashwin Nair, Maharaja Surajmal Institute of Technology , Delhi section
4. Piyush Kumar Sahoo Delhi Technological University, Delhi section
5. Giriraj Shah, G H Patel College of Engineering and Technology, Gujarat Section
6. Akhilesh Sobilla, Sri Venkateswara College of Engineering, Tirupati Hyderabad Section
7. Navneeth Chandan College of Engineering, Adoor, Kerala Section
8. Rohith Mathew Rajagiri School of Engineering & Technology, Kochi, Kerala Section
9. K Thomas Mathew Marian Engineering College, Kerala Section
10. Shalini Satapathy NIT Durgapur, Kolkata Section
11. Indhumathi G Panimalar Institute of Technology, Madras Section
12. Nupur Kulkarni ,Pimpri Chinchwad College of Engineering, Pune Section

#### **Outstanding WiE Volunteers**

1. Rajashree Jain, Symbiosis Institute of Computer Studies and Research, Pune Section
2. Yarlagadda Padma Sai, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, Hyderabad Section

#### **Outstanding YP Volunteers**

1. Vamsi Krishna Jadala , Hyderabad Section
2. Jacob Thomas Puthukeril, Kerala Section
3. Archit Goswami, Delhi Section

#### **C. Outstanding Student Branch Awards**

1. Government College of Engineering Kannur, Kerala Section
2. Jamia Hamdard University, Delhi Section

#### **Outstanding Emerging Student Branch**

1. SICSR Pune Student Branch, Pune Section
2. Sharad Institute of Technology College of Engineering Ichalkaranji, Bombay Section

- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year

The following IC Ec members have received various awards and achievements.

1. IEEE India council received highest incentives from R10- for submitting 2021 Activities Reports
2. Dr.Suresh Nair , IEEE MGA Award 2020
3. Dr.Vijaylata, IEEE EPICS and EA board 2021
4. Mr.Puneet Mishra, Corresponding Member, IEEE IAS

#### **B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)**

- Newsletter (name and number of issues in the year) –  
Quarterly – IEEE India Council Newsletter – ICNL -  
<https://site.ieee.org/indiacouncil/newsletter/newsletter-archives/>
- Home Page of the Section (give the URL and how often it is updated)  
<https://site.ieee.org/indiacouncil/>
- Other means of contacts with Section members including social media
  - <https://www.facebook.com/ieeeindiacouncil/>
  - <https://www.linkedin.com/company/ieeeindiacouncil>
  - <https://instagram.com/ieeeindiacouncilsct>
  - [https://twitter.com/ieee\\_ic](https://twitter.com/ieee_ic)

#### **B.8 Industry Relations**

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Name of the Activity	Speaker/Guests	Date	Members	Non Members	Total
IPR Commercialization Workshop	6 Experts	Feb 19, 2021	35	140	175
Startup Ideation	5 Experts	March 03, 2021	23	90	113
WTD Tech Talk	Dr S Mehta	May 17, 2021	15	45	60
Entrepreneurship Boot camp	16 Experts	July 5-July 10, 2021	250	3500	3750
DISCOMS at a point of Inflexion	D. Arolkar	March 06, 2021	13	4	17
SMART Lighting Technologies	A Jagatia	October 10,2021	105	55	160
Total Number of Attendees Reached					4275

### B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
  - ✧ Call for volunteers for IEEE MOVE India Program
  - ✧ Launch of IEEE India Council MOVE Outreach India Program
  - ✧ Meeting with leaders of 6 committees of MOVE Outreach India Program
  - ✧ IEEE R10 Humanitarian Outreach Camp 1.0
  - ✧ Talk on Technology for Disaster Management at IIT Mandi
  - ✧ Talk Series on Disaster Management Talk 1 to 4
  - ✧ India Council Track at IEEE R10 HTC 2021

### B.10 Community Activities

IEEE Social activities (Family day, IEEE day, Engineers Week)

- IEEE IC honors achievements of IEEE Members through Lifetime Achievement Awards, Volunteer Awards, Student Branch Awards, Technology (Industry) Awards, and Leadership Awards. The awards ceremony was held along the sidelines of INDICON 2020.  
Awardees 2020 : <https://site.ieee.org/indiacouncil/student-activities/awards/>
- Award plaques and postage expenses were borne by the council.
- Last year -2020 for the Shri Pralhad Chhabria awards - IEEE IC in association with HFRC and IEEE Pune Section renewed the MoU.  
(<https://site.ieee.org/indiacouncil/about-ieee/mou-and-agreements/>).  
As per the new MoU, award applicants can be from any of **the SAARC nations** and award categories have increased from two to four. For the year 2021, the awards were based on this new format. The awards are listed under the following categories:-
  - Winner and Runner up - Outgoing Female Student (applicable to final year students who are pursuing their UG degree in Science, Engineering or Technology) – INR 1.25Lakhs & INR 50 respectively.
  - Winner and Runner up- Women Professional – Early Career (applicable to women professional who have 3-7 years experience in Science, Engineering or Technology) - INR 1.25Lakhs & INR 50 respectively.
Awardees for the year 2021 are available at :  
<https://site.ieee.org/indiacouncil/pralhad-p-chhabria-awards/>.
- For the first time IC also contributed an equal share in hosting two of its R10 EAC sponsored events.

- As mentioned India Council takes support from constituent sections to organize activities and reach out funds, hosting organizations/sections supports in sending out branding swags and kits. Branding memorabilia has reached each one of the ExeCom members, committee members, delegates and volunteers of our flagship events held for the mentioned duration.
- For the first time during the pandemic the through the Council activities, members could receive home delivered food too. Also though the pandemic has brought a standstill to physical meetings yet most of our online meetings have concluded with delicious meals hosted by IEEE IC

## **PART C - OTHERS**

### **C.1 Special Events**

- Please briefly describe the importance of special events and the outcomes achieved
- Funding secured from the IEEE and external sources including sponsorships

### **C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)**

- Nature of relationship and details of any formal agreement signed  
For Joint Awards, Member Group Insurance Facilities
- Details of joint activities
- Benefit to IEEE members (for example discounts, access to technical information etc.)
  - Shri. P P C Awards - Joint Awards – IC- WIE AG Pune Section- Hope Foundation NGO
  - Engineering Excellence Awards- PGCIL- IEEE IC - Government Organization
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)

### **C3. Collaboration with other IEEE Sections**

- Support extended to neighboring Sections - Yes –  
HOPE Foundation Awards were extended to SAARC nationals
- Joint activities with any other Section
- Support extended for organizing technical, educational and professional activities
  - Council extended its support in promoting various section initiatives in the form of e notice to India Council members
  - Coverage of Major Section Initiatives in IC newsletter
  - Council EC members provided mentoring to Section initiatives and activities
  - Council provided a platform for sharing best practices of sections to support other sections
- Joint activities for membership development  
Council joined hands with Sections to Host Conferences, Congress and various other activities
  - INDISCON 2021-Nagpur Subsection
  - INDICON 2021-Kolkata Section
  - AISYWLC-Kerala Section
  - Eureka 2021- Pune Section
  - Educational, Professional, Humanitarian and Student, Affinity Group activities

### **C.4 Support extended to Sub-sections & Society Chapters within the Section**

Council EC participated in the inauguration of new Subsection and section formation activities

### **C.5 Best Practices of your Council**

1. New initiatives –
  - a. Under HAC and MOVE Outreach programs, basically on member engagement and training

- b. Branding and Member Benefits – Efforts towards Brand value creation  
Website revamp and this year IEEE IC award portal is live and Award application would be processed automated way. This will bring in more visibility for IEEE India Council.
2. Member engagement, towards Council Vision
  - a. In Promoting Council wide activities to further the aims and objectives of IEEE.
  - b. Coordinate the inter-Sectional activities of the constituent Sections.
  - c. Provide effective representation and support for the constituent Sections.
  - d. Provide co ordination for joint meetings of Sections, conferences and symposia within the Council.
  - e. Coordinate Student, Young Professional, Women In Engineering, Life Members and other Affinity Group activities within the Council.
  - f. Organize annual events including India Council Conferences, INDICON, INDISCON, Student Congress, and Student Paper Contest, etc. in association with each constituent section, by rotation.
  - g. Coordinate with other professional societies in India like IETE, IE(I), IET, CSI, ECI and IEEE Headquarters to have proper valid MOUs for joint activities.
  - h. Conduct affairs of IEEE India Council in line with statutory mandates required from a Registered Society.
  - i. Engage with IEEE India Office on IEEE programmes and matters which pertain to India as a whole and which require coordination with IEEE headquarters. This would not preclude interactions that the Sections may have with IEEE and with IEEE India Office on their individual basis.
3. Support for more Humanitarian activities, Member benefits (Insurance), reaching locals and other social activities.

#### **C.6 Problems anticipated and suggestions for solutions, if any**

- a. IC VCs were unable to apply and receive funds from R10 initiatives (SPAX, STEP etc)
- b. Multiple payments options – as India has progressed ntion in terms of online payments- Payment through online wallets –like PhonePe, paytm etc.
- c. Multi year membership for students.
- d. Gift IEEE Membership for studnets- 3 years/4 Years etc.

### **PART D - GOALS AND PLANS**

#### **D.1 Continuation of project/activity in progress and their implementation plans**

IEEE MOVE India program, and roll out the truck before December 2022. A volunteer base of around 300 identified for the purpose.

Membership development across the India Council. Webinars for Senior Member as well as Fellow elevations.

More association with Corporates for joint programs and awards, discussions initiated and many corporates like IBM has come forward.

#### **D.2 Goals and Future Plans**

A vision document namely IEEE IC Vision 2022 has been prepared. This stipulates goals and expected deliverables.

- Come up with Innovative ideas and create social impacts.
- Make IEEE India Council “a well recognized body” among professionals, bureaucrats in India: through our value adds.
- Look for project opportunities from R10, MGA. Identify exceptional projects which are “relevant across the country”: thus IC’s relevance.
- Develop a portal for e-notice submission, approvals?

- Portal may also be used to submit info about Upcoming events as well as completed ones with one paragraph brief and one or two good photographs, within 15 days of closure of event.
- IC web page needs to be improved: better look as well as updated info.  
Directory of IEEE Fellows within India , their specialisations

**D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.**

- Portal may be created to submit info about Upcoming events as well as completed ones with one paragraph brief and one or two good photographs, within 15 days of closure of event.
- IC web page needs to be improved: better look as well as updated info.
- Directory of IEEE Fellows within India , their specialisations.
- Come up with more programs regionwise, so that more student volunteers can be part of these.
- Close association with MOVE Outreach India program.
- Do a survey and identify what students are looking for: Based on that, come up with Innovative programs to benefit student community , their professional, technical, personal developments.
- Learn best lessons from leading sections and try to infuse them in weaker sections with the support of respective sections.
- A display badge “IEEE India Council Student Volunteer” may be introduced to bring in more student participation.

**D.4 Business Plan for Sustainable Growth and Financial Stability.**

Come up with more value added programs.

Successful conduct of flagship conferences, so that some surplus income over expenditure can be generated.