

## IEEE Kerala Section Report

\* Please use the following format to prepare and submit your Section's annual report to Region 10.

\* Please note that the annual reports are used to evaluate the outstanding Sections in the region and reports submitted after the announced due date will not be considered for the award. Please do not include more than 3 photographs and preferably put them on additional pages attached to the report (please delete this paragraph in your report).

\* Please try to limit your Section's annual report not more than 15 pages.

### PART A - SECTION SUMMARY

#### A.1 Executive Summary – (Please follow the format given below)

##### ● Section Highlights

Role	Name
Chair	Ms. Sarada Jayakrishnan
Vice Chair	Mr. Muhammed Kasim
Secretary	Dr. Giles M P
Treasurer	Dr. Biju K
Immediate Past Chair	Dr. S.M. Sameer
Immediate Past Secretary	Mr. Shahim Baker
Chair, Kochi Subsection	Dr Santhosh Kumar
Vice Chair, Kochi Subsection	Dr. M V Rajesh
Secretary, Kochi Subsection	Dr. Bijoy Antony Jose
Chair, Malabar Subsection	Dr. Sabiq P V
Vice Chair, Malabar Subsection	Dr. Bindima T
Secretary, Malabar subsection	Dr. Gopakumar P
Chair, Awards Committee	Mr. Amarnatha Raja
Convener, Awards Committee	Mr. Fayyaz E
Chair, Conference Activities Board	Dr. Lillykutty Jacob
Convener, Conference Activities Board	Dr AnilKumar C V
Chair, Educational Activities	Dr. Mini Ulanat
Vice-Chair, Educational Activities	Mr. K B Senthilkumar
Secretary, Educational Activities	Dr. Bijoy A Jose
Electronic Communication Coordinator	Mr. Alan Mathew
Chair, Government Relations	Mr. Sasi P M
Chair, Industry Relations	Mr. Shahim Baker
Inter Society Activities	Mr. Hareendralal A G
Membership Development Chair	Mr. Karthik K
Chair, Promotion of Innovation and Entrepreneurship	Mr. Varghese Cherian
Chair, Professional Activities	Ms. Sunitha Beevi K
Secretary, Professional Activities	Mr. Ganesh Sekhar
Chair, Publications & Newsletter Editor	Prof. K Gopalan Nair
SDLP Co-ordinator	Dr Vinita Chellappan
Chair, Public Relations	Mr. Sridev Shyam
Chair, SIGHT	Mr. Jayakrishnan M C
ViceChair, SIGHT	Dr. Bindima T
Secretary, SIGHT	Mr. Midhun
Chair, Strategic Initiatives [Industry Engagement]	Mr. Satish Babu
Secretary, Strategic Initiatives [Industry Engagement]	Fayyaz E
Chair, Strategic Initiatives [Academic Engagement]	Dr. S.M. Sameer
Advisor , Student Activities	Mr. S Gopakumar

Chair, Student Activities	Mr. Shankar J
Vice Chair, Student Activities (Travancore)	Ms. Josna V R
Vice Chair, Student Activities (Kochi)	Ms. Anu George
Vice Chair, Student Activities (Malabar)	Ms. Shone Jose
Student Representative	Ms Sreelakshmi M Rajeev
Webmaster	Mr. Neeraj Ipe
Chair, Consultant's Network	Prof. V K Damodaran
Secretary, Consultant Network	Mr. Gitin Jacob George
Chair, Life Member AG	Mr. Koruthu P Varughese
Vice Chair, Life Member AG	Dr. S Gopakumar
Chair, WIE Affinity Group	Dr. Meenakshi K
Vice Chair, WIE Affinity Group	Ms. Deepa AK
Secretary, WIE Affinity Group	Ms. Jiby Krishna
Advisor, YP Affinity Group	Dr. Varghese Cherian
Chair, YP Affinity Group	Mr. Nandan S
Vice Chair, YP Affinity Group	Mr. Neeraj Ipe
Secretary YP Affinity Group	Mr. Anoop Mathew
Chair, Antenna & Propagation Society	Dr. P. Abdulla
Vice Chair, Antenna & Propagation Society	Dr. Sukomol Dey
Secretary, Antenna & Propagation Society	Mr. Arijith Mitra
Chair, Circuits And Systems Society	Dr. B. Premlet
Vice-Chair, Circuits and Systems Society	Dr. Dhanaraj
Secretary, Circuits And Systems Society	Sangeetha G R
Chair, CS chapter	Mr. Srinivasan R
Vice Chair, CS chapter	Dr. Vishnu Kumar S
Secretary, CS Chapter	Dr. Deepthi Sasidharan
Chair, Comsoc Chapter	Dr. Gopakumar A
Vice Chair, Comsoc Chapter	Dr. Lakshmi Narasimhan Theagarajan
Secretary, Comsoc Chapter	Dr. Anjana P Das
Chair, EdSoc	Mr. C M Varughese
Vice Chair, EdSoc	Dr. Leesha Paul
Secretary, EdSoc	Mr. Jithin Krishnan
Chair, Engineering in Medicine & Biology Society	Dr Manoj B S
Vice Chair, Engineering in Medicine & Biology Society	Mr. Mahesh R Panicker
Secretary, Engineering in Medicine & Biology Society	Mr. Byju N B
Chair , Geoscience & Remote sensing society	Dr. Rama Rao
ViceChair , Geoscience & Remote sensing society	Dr. Praveen Naresh
Secretary , Geoscience & Remote sensing society	Dr. Deepak Mishra
Chair, IE, IA & PEL Chapter	Dr. Bijuna Kunju K
Vice Chair, IE, IA & PEL Chapter	Dr Vasanthi V
Secretary, IE, IA & PEL Chapter	Mr. PrabinJames
Chair, MTTs	Dr. Chinmoy Saha
Vice Chair, MTTs	Dr. Apren T J
Secretary , MTTs	Dr. Krishna Kumar Kishore
Chair, Photonics	Dr. Suresh Nair
Vice Chair, Photonics	Dr. Kailasnath
Secretary, Photonics	Dr. Binu Jiju
Chair, PES Chapter	Mr. Suhair A K
Vice Chair, PES Chapter	Dr. Sobha Manakkal
Secretary, PES Chapter	Dr. Boby Philip
Chair, Robotics and Automation Society	Dr. Jisha V R
Vice Chair, Robotics and Automation Society	Mr. Robin Tommy
Secretary, Robotics and Automation Society	Sandhya L
Chair, Signal Processing Society	Dr. MV Rajesh
Vice Chair, Signal Processing Society	Ms. Reshna Ayoob
Secretary, Signal Processing Society	Muhammed Musfir

Chair, SSIT Chapter	Mr. S Gopakumar
Secretary, SSIT Chapter	Aravind P Unnithan
Chair, RFID Council Chapter	Dr. Bijoy Antony Jose
Secretary, RFID Council Chapter	Ms. Meghna Sudeep
Member At Large	Prof. Gomathy K Muraleedharan
Member At Large	Mr. N T Nair
Member At Large	Mr. G Vijaya Raghavan
Member At Large	Mr. E E Rajakumar
Member At Large	Mr. Unnisankar
Member At Large	Dr. A K Unnikrishnan

- Section Highlights

- Section Highlights

- IEEE Kerala Section tops the list of sections in the membership count with 16k+ members.
    - R10 Membership Growth Large Section Award 2021
    - MGA Innovation Award 2021
    - 3700+ Events including the student events
    - Developed **MinT** (More in No Time) application to manage the volunteer interaction and e-resources of the section. The team won the Innovation Award from MGA.
    - First-ever Student Humanitarian Technology Conference (SHTC) was hosted by Kerala Section SIGHT group.
    - Multiple Awards received by Section & Volunteers - MGA, R10, India Council, Societies
    - IEEE Day Celebration 2021 - Chief Guest: Mr. Deepak Mathur, 2021 IEEE R10 Director

- Major Events (International, National)

- AISYWLC 2021
      - 1st, 11th, 18th, and 19th Dec 2021
      - Offline event at Sheraton Kochi on 18th and 19th Dec 2021
    - R10 POCO 2021
      - IEEE Kochi Subsection conducted a 3-days IEEE R10 sponsored Workshop on Panel Of Conference Organiser 2021 from 2nd September to 4th September 2021, from 6:30 p.m. - 8:30 p.m. in online mode.
    - IPRECON 2021
      - The second edition of the student lead conference @ CE Karunagappally, 24 – 26 Sept 2021
    - Technically Cosponsored
      - International Conference on Innovative Trends in Information Technology 2021 (ICITIIT-21), IIIT Kottayam, 11 - 12 Feb 2021
      - International Conference on Communication, Control, and Information Sciences (ICCISc-2021), GEC, Idukki, 16 - 18 June 2021
      - 8th International Conference on Smart Computing and Communications (ICSCC-2021) MITS, Kochi, 1 – 3 July 2021
      - 2nd Int. Conf. on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS 2021), ASIET, Kalady, 2-4 Sept 2021
      - 2021 IEEE International Power and Renewable Energy Conference (IPRECON), CE Karunagappally, 24 – 26 Sept 2021
      - International Conference on Advances in Computing and Communications (ICACC 2021), RSET, Kochi, 21 -23 Oct 2021
      - 4th Int. Conf. on Microelectronics, Signals and Systems (ICMSS 21), TKMCE Kollam, 18-19 Nov 2021
      - IEEE PES Asia Pacific Power and Energy Engineering Conference 2021 (APPEEC 2021)
      - PES Kerala Chapter, 21 - 23 Nov 2021
    - Financially Cosponsored
      - 5th International Conference On Condition Assessment Techniques In Electrical Systems (CATCON 2021), NIT Calicut, 3 – 5 Dec 2021

- Major Chapter Activities

- o APS
  - Hello EMI & EMC!! Learn to Detect and Decode, Two-weeks Training Program in online mode, 26th of July 2021 - 06 Aug 2021
  - One Week FDP in hybrid mode on Microwave Antennas and Applications 6-10, Dec 2021
  - One day workshop at NSS College Rajakumari On 22-12-2021 about Space Antennas.
- o CAS
  - Maker Village Start Up Challenge
  - 2021 Intelligence in Chip - Tomorrow of integrated circuits
  - Undergraduate project awards
- o CS
  - AKCSSC 2021
  - Entrepreneurship Expo
  - Elever - Year long event with 10 competitions
- o COMSOC
  - IEEE PROCOMM: IEEE Communication Project Competition 2020
  - GraTE'7: Graduate Thesis Evaluation in 7minutes
  - Virtual Distinguished Lectures - Cyber Security and Privacy for Smart City, Mobile Edge Computing for 5G and Beyond
- o EDSOC
  - Chapter Inauguration on 14th July 2021 at 7:00 PM IST
  - R-STEP: Rural Student Technical Enhancement Program October 5, 2021
  - E-Kites December 24 to 27 2021
  - IEEE & Infosys Spring Board Collaboration 23rd October 2021 at 6:30 PM IST
- o EMBS
  - SYNAPSIS'21- 4 days programme Jointly with Telemedicine Society of India, Kerala
  - Ignium 2021
  - Distinguished Lecture Series
- o GRSS
  - Project Competition
  - Programming Sessions
- o IA/IE/PL
  - EV HACK - in association with Robert Bosch Engg,Solutions Ltd (RBEI)
  - Hack4Humanity - IEEE HAC funded event
  - STARC EXPO - IES Funded Industrial exhibition
- o MTTs
  - Learn from Leaders and Learn from Legends (L4) Talk series
  - Women in Microwave Virtual Colloquium
  - EEE SPace Antenna Workshop
- o PES
  - Women of Wisdom Webinar Series -
  - STEM-Ed : Pre University Initiative
  - IEEE PES Asia-Pacific Power and Energy Engineering Conference 2021
- o PHOTONICS
  - Chapter inauguration on 24th August 2021
  - Webinars
- o RAS
  - Roadway to Robotics - Event for framing the future with Robotics & Automation
  - R-Yantra - Event for promoting Robotics and STEM education across all ages
  - DROID - National conclave on Robotics
  - REX: Robotics Experience Program - A month-long hybrid robotics specialization program
- o SPS
  - SIGNIA, Chapter driven initiative - 25TH November - 19TH December 2021
  - Chapter Driven Initiative - ORIGO - 24th to 30th May 2021
  - IMPULSE (IEEE SPS Chapter Driven Initiative) - 19th May 2021 to 30th May 2021

- o SSIT
  - SSIT Distinguished Lecture Webinar - 27th February 2021
  - Membership Development Webinar - 4th June 2021
  - IEEE SSIT Professional Chapter Chairs - SSIT SAC Meetup - 19th June 2021
- o RFID Council
  - RFID Challenge 2021 (Project Competition) - 2nd Sept, 2021 to 5th Octr 2021
  - Embedded Challenge 2.0 (Project Competition) - 29th June, 2021 to 15th Aug 2021
  - Webinar-RFID Solutions For The Industry - 7th June 2021
- Major Student and Affinity Group Activities
  - o Student Activities
    - AISYWLC 2021
    - LINK F2F - The IEEE LINK F2F 2021 was conducted virtually on 26th Jan 2021
    - All Kerala SB Chairs Meet - Conducted virtually on 12th February 2021
    - TECHSORTIUM 2021 - Students' Technical Consortium(Techsortium) is a major technical flagship event of IEEE LINK
    - Spectrum War
    - RENAISSANCE 2.0 - Renaissance 2.0, a unique membership development initiative
  - o YP
    - AISYWLC 2021
    - YP Talks on trending topics - 120 Webinars organized
    - STEP 2021
    - YP Winter Meetup
    - IndusX : Industrial eXperience sharing in one minute
    - Engineer4Life Campaign
    - Legal Awareness For Women
    - Digital Literacy Awareness
  - o LMAG
    - Regular joint programs with other sister professional organizations in Trivandrum and with IEEE Kerala Section and other IEEE Chapters
  - o WIE
    - Venus Campaign completed 21 months by December
    - WiEvacity (WiE week celebrations) : Included a talk session on 'Women and Technology
    - WiEnspire
    - Major Hub Events
      - Travancore Hub - Jumpstart, Shark Tank, Step Up
      - Kochi Hub - Clueminati, Are you Ready?
      - Malabar Hub - CodeCryp
  - o CN
    - Webinar: Pitfalls in Consulting Contracts - 17th Jan 2021
    - Webinar: Importance of Solar Resource Assessment & Monitoring in PV Power Plant Performance - 20th June 2021
    - Talk: New Opportunities in Green Energy: Biogas & Beyond, High Performing, Economic & Sustainable Biogas Power from Wastes, Boosting Biogas & Agriculture with Biochar - 13th July 2021
- Awards
  - o IEEE MGA Innovation Award 2021
  - o IEEE Hall of Fame Award 2021 to IEEE Kerala YP
  - o MGA WIE Inspiring Member of the Year Award 2021 by Ms. Sunita Beevi.
  - o Outstanding CHpater Advisor Award 2021 from IEEE IAD CMD by Dr. Biju K.
  - o R10 Outstanding Life Member Volunteer Award 2021 by Prof. V K Damodaran
  - o R10 Young Professional Outstanding Volunteer Academic 2021 by Mr. Sankar J.
  - o Outstanding Branch Counselor Award 2021 by Dr. Birenjith P S
  - o Outstanding Branch Chapter Advisor Award 2021 by Ms. Deepa A K
  - o Outstanding Branch Chapter Advisor Award 2021 by Ms. Prathibha P K

- o IEEE MGA DARREL CHONG OUTSTANDING STUDENT ACTIVITY AWARD
  - Silver
    - VOLTIS : A Micro Volunteering Program - SJCET Palai
    - Dyuthi 3.00 - SCTCE Trivnadum
    - Phoenix - RSET, Kakkanad, Kochi
    - Astra - RSET, Kakkanad, Kochi
    - Ibeto - MEC Thrikkakara, Kochi
    - SPAAM - MACE Kothamangalam
    - tvis - Solar Electrification Enhancement Program - JCET Palakkad
  - Bronze
    - Aura - SCTCE, Trivandrum
    - Zeal 2.0 - RIT Kottayam
    - Robotics Experience Program (REX) - RIT Kottayam
    - Xperion - NSSCE Palakkad
    - Indriya 2.00 - MEC Thrikkakara, Kochi
    - RENOVAR : Recognize Revamp Recover - JCET Palakkad
    - Lollapalooza - GCE Kannur
    - Future 3.0 - College of Engineering, Adoor
- o IEEE Regional Exemplary Student Branch Award
  - AASET Kalady
  - CE Adoor
  - CE Chenganaur
  - CE Karunagappally
  - GCE Kannur
  - MACE Kothamangalam
  - RSET Kakkanad, Kochi
  - RIT Kottayam
  - SCTCE, Trivandrum

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

- Summary (as per submitted on NetSuite)

**IEEE Kerala Section  
Accounts for the Year 2022  
From 1st January 2021 to 27th December 2022**

Abstract			
SI No	Head	Receipts	Payments
1	Opening Balance	6,644,304.84	
2	Income	1,562,444.00	
3	Expense		1,628,715.86
4	Closing Balance		6,578,032.98
5	Total	8,206,748.84	8,206,748.84
6	Closing Balance	6,578,032.98	
7	Payables (Rebates, Project funds etc)		1,868,826.45
8	Payables to different Society Including the fund received .		2,354,458.50
9	Total	6,578,032.98	4,223,284.95
10	Balance	2,354,748.03	
11	Award Night Comitted Balance		50000.00
12	Malabar Subsection Tencon Surplus (Comitted)		500000.00
13	Total	2354748.03	550000.00
14	<b>Actual Balance</b>	<b>1804748.03</b>	

- Any other financial activities

## PART B - ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Activities

- Total number of active members in the past 3 years.

Member Grade	2019	2020	2021

Student Member	7275	6705	11467
Graduate Student Member	371	392	500
Member	978	894	1097
Senior Member	169	207	322
Life Senior Member	18	25	25
Associate Member	41	32	69
<b>Total</b>	<b>8852</b>	<b>8255</b>	<b>13513</b>

- Conducted Membership Development Sessions throughout the requested SBs in the section
- Promoted FUTURE50
- Conducted Renaissance 2.0 (R10 MDLT Funded Event) for making the dormant SBs to the active state
- Established mentorships for weak SBs
- Got the 2021 Outstanding Section Membership Recruitment and Retention Performance Award

## B.2 Chapter Activities

- Total number of Chapters in the Section : 14 (including 1 joint chapter)
- Number of Chapters formed in the current year : 2
- Number of active Chapters (Chapters who have reported required number of meetings during the year) : 14
- Summary of Chapter activities (Chapter wise with attachment table/information)

<b>Society/ Council</b>	<b>Technical</b>	<b>Professional</b>	<b>Non-Technical</b>	<b>Administrative</b>
APS	12	2	-	3
CAS	4	2	-	2
CS	27	19	28	18
COMSOC	15	2	7	4
EMBS	85	58	6	2
EDSOC	10	3	2	5
GRSS	7	3	3	3
IA/IE/PEL	20	7	5	12
MTTS	20	5	8	3
PES	50	53	33	3
PHO	3	1	2	2
RAS	21	1	1	5
SPS	10	4	4	2
SSIT	5	2	3	1
RFID	10	4	6	8

## 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

## B.4 Students Activities

- Total number of Student Branches in the Section : 110
- Number of Student Branches formed in the current year : 6
- Section level student activities (student congress, paper and other contests, awards etc)  
[List of Student Activities 2021](#)  
[A Newsletter of Activities 2021](#)
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year): 92
- Summary of Student Branch activities (Student Branch wise with attachment table/information) : [List of Student Activities 2021](#)

## B.5 Affinity Group Activities

- Young Professional (YP)
  - AISYWLC 2021
  - YP Talks on trending topics - 120 Webinars organized
  - STEP 2021
  - YP Winter Meetup
  - IndusX : Industrial eXperience sharing in one minute
  - Engineer4Life Campaign
  - Legal Awareness For Women
  - Digital Literacy Awareness
- Life Member (LMAG)
  - Regular joint programs with other sister professional organizations in Trivandrum and with IEEE Kerala Section and other IEEE Chapters
- Women in Engineering (WIE)
  - Venus Campaign completed 21 months by December
  - WiEvacity (WiE week celebrations) : Included a talk session on 'Women and Technology
  - WiEnspire
  - Major Hub Events
    - Travancore Hub - Jumpstart, Shark Tank, Step Up
    - Kochi Hub - Clueminati, Are you Ready?
    - Malabar Hub - CodeCryp

## B.6 Awards & Recognition Activities

- Award constituted by the Section

### Public Awards

KPP Nambiar Award	<b>Padmashri Dr C G Krishnadas Nair</b>
Outstanding Woman Engineer Award	<b>Ms Daisy Devassy Chittilapilly</b>
Outstanding Industry Contributions Award	<b>Mr Nandakumar K</b>
Friend of IEEE Award	<b>Bosch Global Software Technologies Private Limited</b>
Outstanding Teacher Award	<b>Prof (Dr) Sreejith P S</b>
Outstanding Startup Award	<b>Techgentsia Software Technologies Pvt Ltd</b>

### Professional Volunteer Awards

Outstanding Volunteer Award	<b>Mr Alan Mathew</b>
Outstanding Young Professional Volunteer Award	<b>Mr Neeraj Ipe</b>
Outstanding Humanitarian Volunteer Award	<b>Mr Anas M M</b>
Outstanding WIE Volunteer Award	<b>Ms Deepa A K</b>
Outstanding Researcher Award	<b>Dr. Leena Mary, Dr R Sudharshan Kaarthik</b>



Best Event (Professional)	<b>Global Outreach Initiative - This Time for Africa</b>
Special Award for Sustained Contributions	<b>Mr K Gopalan Nair</b>

#### Student Volunteer Awards

Outstanding Student Branch	<b>GEC Barton Hill &amp; SJ CET Palai</b>
Outstanding Branch Counselor	<b>Dr Vinita Chellappan, Ms. Deena George</b>
Outstanding Student Volunteer	<b>Arjun Sunil Kumar, Bhadra Jayakumar</b>
Outstanding Student Volunteer (Honorable Mention)	<b>Govindaraman S</b>
Outstanding Student Volunteer (Technical Contributions)	<b>Gautham P R</b>
Outstanding Student Volunteer - Women in Engineering	<b>Arundhathi Krishna</b>
Outstanding Student Volunteer - Humanitarian	<b>Anjali Menon K R, Vignesh Haridas</b>
Outstanding Student Event Award	<b>EV Hack</b>
Outstanding Student Event Award - Special Mention	<b>SPAAM, Upscale '21</b>

- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year
  - IEEE MGA Innovation Award 2021
  - IEEE Hall of Fame Award 2021 to IEEE Kerala YP
  - MGA WIE Inspiring Member of the Year Award 2021 by Ms. Sunita Beevi.
  - Outstanding Chapter Advisor Award 2021 from IEEE IAD CMD by Dr. Biju K.
  - R10 Outstanding Life Member Volunteer Award 2021 by Prof. V K Damodaran
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  - IEEE MGA DARREL CHONG OUTSTANDING STUDENT ACTIVITY AWARD
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      - Phoenix - RSET, Kakkanad, Kochi
      - Astra - RSET, Kakkanad, Kochi
      - Ibetto - MEC Thrikkakara, Kochi
      - SPAAM - MACE Kothamangalam
      - tvis - Solar Electrification Enhancement Program - JCET Palakkad
    - Bronze
      - Aura - SCTCE, Trivandrum
      - Zeal 2.0 - RIT Kottayam
      - Robotics Experience Program (REX) - RIT Kottayam
      - Xperion - NSSCE Palakkad
      - Indriya 2.00 - MEC Thrikkakara, Kochi
      - RENOVAR : Recognize Revamp Recover - JCET Palakkad
      - Lollapalooza - GCE Kannur
      - Future 3.0 - College of Engineering, Adoor
  - IEEE Regional Exemplary Student Branch Award
    - ASET Kalady
    - CE Adoor
    - CE Chenganaur
    - CE Karunagappally
    - GCE Kannur
    - MACE Kothamangalam
    - RSET Kakkanad, Kochi
    - RIT Kottayam
    - SCTCE, Trivandrum

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

- Newsletter (name and number of issues in the year)
  - IEEE Kerala Section newsletter: 4 Issues. Three issues as electronic copy and 4th one as electronic and print copy



- Home Page of the Section (give the URL and how often it is updated)
  - <https://ieeekerala.org>
  - Regularly updated to report the events as and when they happen.
- Other means of contacts with Section members including social media
  - Facebook: [facebook.com/IEEEKerala](https://facebook.com/IEEEKerala)
  - Twitter: [twitter.com/IEEEKerala](https://twitter.com/IEEEKerala)
  - Instagram: [Instagram.com/ieeekerala](https://Instagram.com/ieeekerala)
  - LinkedIn: [linkedin.com/company/ieeekerala](https://linkedin.com/company/ieeekerala)
  - Youtube: [youtube.com/ieeekerala](https://youtube.com/ieeekerala)

## B.8 Industry Relations

- Membership growth and retention
- Most of the Society chapters conducted professional and continuing education activities for the members from Industry
- A new “Strategic Initiative on Industry Engagement” has been launched to improve the relationships and collaboration with the Industry,
- Formation of a Student Activities Board with members from both Industry and Academia to bridge the gap between what is required in the Industry and the deliverables from Academia.
- Special Awards are given to IEEE Members and Non Members based on their Industrial contribution. Awards are also given to Industries/organisations, which support IEEE Kerala Section in Industry Academia Interaction Activities.
- Events reported in Section B.2 and B.3 of this document engage industry experts or expose the IEEE members to the industry,

## B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
  - Techno Unnati project to Dr. Bijoy Jose IEEE HAC fund of INR 24 Lakhs and inauguration of the science lab at Govt H S Kuttamassery as part of Flood Relief is completed and inaugurated.
  - The first-ever Student Humanitarian Technology Conference was organized by the SIGHT group of the Kerala Section.
- SIGHT Activities
  - Students Humanitarian Technology Conference(SHTC)

- ◇ Students Humanitarian Technology Conference - with global participation focussing on project presentations by students on their SIGHT-funded projects. Global IEEE leaders working in the humanitarian technology area shared their experience with the students. Also, student projects from the Uganda section, Calcutta section, and Kerala section were presented.
- SIGHT Camp
  - ◇ To the tribal villages Begur & Bavali in Wayanad to identify the problems of the tribal community. 30 volunteers, the student representatives from various SIGHT groups participated.

## B.10 Community Activities

- "The Annual Awards evening of IEEE Kerala Section was held on 30th January 2022. Awards were given to Individuals and organizations who have given remarkable contributions to society. Details of the awards are given in section B.6
- IEEE DAY CELEBRATIONS 2021 (OCTOBER 10, 2021)
  - ◇ Chief Guest: Ms. Nitha Patel, 2022 IEEE CS President-Elect.
  - ◇ Special Guest: Mr. Deepak Mathur, IEEE R10 Director
  - ◇ A special session by Mr. Antony Satyadas, CEO & Managing Partner of Innovation Incubation holding,
  - ◇ Dignitaries from MGA, R10, & India Council accepted our invitation and attended.

## PART C - OTHERS

### C.1 Special Events

- AISYWLC 2021
  - IEEE India Council Flagship Event of Students, YP, LMAG and WIE Members
  - 1st, 11th, 18th and 19th Dec 2021
  - Offline event at Sheraton Kochi on 18th and 19th Dec 2021
  - The IEEE Sections of Hyderabad, Bombay, Madras and Pune extended their support to this grand event as section sponsors
- APPEEC 2021
  - 21-23 Nov 2021
  - Tutorials/Industry session/SPAA/WiE/WiP/YP track
  - On 20th Nov a pre-conf session was organized
  - 60 accepted papers from 14 countries
  - 6 Keynotes and 2 tutorials
  - Sponsorship from KSEB Ltd

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

#### ● Details of joint activities

IEEE Kerala Section has a long-standing relationship with other major professional societies in the state like Computer Society of India, Aeronautical Society of India, Systems Society of India, Project Management Institute, Indian National Society for Aerospace and Related Mechanisms, Society of Aerospace Manufacturing Engineers, Indian Society for Training and Development, Internet Society, Society of Energy Engineers & Managers and Vakkom Moulavi Foundation. Along with some of these bodies every year, IEEE Kerala Section arranges weekly Technical/Professional talks on a variety of topics on Wednesdays. Between 1st Jan 2021 and 31st Dec 2021, 52 such talks have been delivered by various speakers in face-to-face meetings and online webinars. Details of the Wednesday talk series can be found [HERE](#).

#### ● Tie-Ups & Relations with Governmental Agencies:

IEEE Kerala Section maintains good rapport and official tie-ups with various governmental and quasi-government bodies. KSEB (State-owned Power Utility Agency) Engineers Association and IEEE Kerala Section PES Chapter, Kerala Section organized a Series of

Seminars and Project Paper competitions, which is a continuing activity for the last 10 years. IEEE Kerala Section is continuing its support to C-Sis (Centre for Science in Society) at Cochin University of Science & Engineering. Ongoing Mentorship support to units inside the Maker Village owned by Govt of Kerala.

- **Joint Events with Robert Bosch by IA/IE/PELS joint chapter**

- V Hack is a Hackathon on Electric Vehicles organized by IEEE IA/IE/PELS Jt. Chapter Kerala in collaboration with Robert Bosch Engineering and Business Solutions Private Limited (RBEI). The winners were awarded internship opportunities with RBEI.

- Nature of relationship and details of any formal agreement signed
  - Kerala Section has formally joined hands with a startup to establish a Final year project Award starting from 2021. 75 Entries received from various colleges across the state were scrutinized and awards worth Rs. 50000 in two separate categories were awarded.
- Details of joint activities
  - GRADUATE CONGRESS: GraTE'7' Graduate Thesis Evaluation in 7minutes in association with COMSOC chapter of IEEE Bangalore Section. The competition is targeted at graduate and Ph.D. scholars to showcase their thesis.
- The benefit to Section (for example help in membership development, venue facilities, cost-saving, etc.)
  - IEEE Kerala Section has formally signed an agreement with Nippon Centre, ASA Kerala, Kochi to share their office space for section events starting from August 25, 2021. The section will be able to use the office space and other facilities gratis or at a minimal user fee.

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

- Support extended to neighboring Sections
  - IEEE Kerala section has extended its support to other sections of India to use MiNT for the communication and e-resource management. India Council had hosted a demonstration of the [MiNT 2.0](#) platform for use by other sections as well.
- Joint activities with any other Section
  - GRADUATE CONGRESS: [GraTE'7'](#) Graduate Thesis Evaluation in 7minutes in association with IEEE Communication Society (ComSoc) Hyderabad, ComSoc Kerala Chapter, Bangalore Chapter, and Kolkata Chapter. The competition is targeted at graduate and Ph.D. scholars to showcase their thesis.

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

- Support extended for organizing technical, educational and professional activities
- Joint activities for membership development
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section
- Sub Section MD groups are formed and collected their requirements for the MD Queries from there
- MD operations done in SubSection Level

### **C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)**

- IEEE Kerala Section has started an idea of "Section Interns" (IKS Intern) who would help the IEEE Kerala Section Office Bearers, ECC, Webmaster, and other Society volunteers to reach out to the members better and also report to the higher committees with the best of the activities. The idea is to equip the students to perform in their careers in the most professional fashion. The section currently has interns in Development, Design,

Documentation domains. The team has jointly developed the MiNT platform for effective communication between various entities of the section.

- IEEE Kerala section has started the Annual online volunteer induction and refresher program (VIP) from 2021 to educate the new execom about the guidelines and etiquettes of the section activities. It is observed that the execom members are more comfortable and are early into action after the training.

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

- The major problem that the Section experiences is the retention rate of student members. The transition to GSM/Members is poor. The Section leadership and student activities board (SAB) of the Section are actively working on it. Internships, within and outside the IEEE communities, and job fairs are some of the solutions to retain student members. The year 2022 has seen better retention of student members due to an untiring effort by the MD volunteers.

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

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

The 2022 IEEE Kerala Section team plans to continue the student activities for which we have won several Laurels. IKS Interns is a program that has gotten good returns to members and we plan to continue this path.

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

Immediate goals include organizing INDICON 2022 and WIE ILS in Kerala during the year. We want to focus on giving benefits in the mode of training and enrichment to our professional members

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

In the spirit of advancing technology for humanity, IEEE Kerala Section has asked its society chapters and affinity groups to organize one humanitarian activity during 2022. Returning back to our community will be an area of focus

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

IEEE Kerala Section prides itself on its financial discipline and our regular professional audits on accounts. We will continue to ask each org leader under IEEE Kerala Section to maintain financial discipline, grow membership and achieve stability in their financing.