

IEEE Hyderabad Section Report

PART A - SECTION SUMMARY

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

- Section Executive Committee Member List

| SECTION EXECUTIVE COMMITTEE Hyderabad section | | | |
|--|-----------------------|--|----------------|
| Designation | Name | Organization | Membership No. |
| Chair | Vijayalata Y | Vardhaman College of Engineering | 91091196 |
| Vice Chair | Mousmi Ajay Chaurasia | MJ College of Engineering & Technology | 91191414 |
| Secretary | Jabbar M A | Vardhaman College of Engineering | 91119906 |
| Treasurer | Jayaprakasan V | SNIST | 92295009 |
| Member & Additional Secretary | Vamsi Krishna J | WTC Shamshabad & Visakhapatnam | 92210741 |
| Additional Treasurer | Vinit Kumar Gunjan | CMR Institute of Technology | 92020956 |
| Immediate Past Chair (Interim) | Atul Negi | University of Hyderabad | 3803707 |
| IEEE COMPUTER SOCIETY CHAPTER | | | |
| Chair | Vinit Kumar Gunjan | CMR Institute of Technology | 92020956 |
| Vice Chair | Vijay Krishna | GNITS | 99453684 |
| Secretary | Durgesh Nandan | SR University | 94154884 |
| Treasurer | Ramana Kadiyala | CBIT | 93098440 |
| Immediate Past Chair | Jabbar M A | Vardhaman College of Engineering | 91119906 |
| IEEE COMMUNICATION SOCIETY CHAPTER | | | |
| Chair | Kumar C | Madanapalle Institute of Technology & Science | 93788244 |
| Vice-Chair | Ram Singh | DRDO | 96455617 |
| Secretary | Ravishankar Polisetty | Sai Ganga Panakeia PvtLtd | 93270139 |
| Treasurer | Viswanadham Ravuri | BVRIT Hyderabad College of Engineering for Women | 96152841 |
| Immediate Past Chair | Praful Mankar D | IIIT Hyderabad | 92700844 |
| IEEE COMPUTATIONAL INTELLIGENCE SOCIETY /GRSS SOCIETY CHAPTER | | | |
| Chair | Kavitha Athota | JNTUH | 80256753 |
| Vice Chair | Vijender Busi Reddy | ADRIN-ISRO | 92775834 |
| Secretary | Srinivas Naik | IIITDM-Kurnool | 93142115 |
| Treasurer | Swetha Perasu | VBIT | 99469457 |
| Immediate Past Chair | Mousmi Ajay Chaurasia | MJ College of Engineering & Technology | 91191414 |
| IEEE CAS/EDS JOINT CHAPTER | | | |
| Chair | Abdul Raheem B | Joginpally BR Engineering College | 93602628 |
| Vice Chair | Krishnakanth A G | AMS Semiconductors Pvt Ltd | 80574345 |
| Secretary | Chakradhar A | S R University | 94139728 |
| Treasurer | Santhosh M | Anurag University | 97024083 |

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|----------------------|---------------------|----------------------|----------|
| Immediate Past Chair | Govindacharyulu P A | Manjeera Digital Sys | 40152076 |
| | | | |

IEEE EDUCATION SOCIETY CHAPTER

| | | | |
|----------------------|------------------|--|----------|
| Chair | Divya Nalla | Nalla Malla Reddy Engineering College | 80563669 |
| Vice Chair | Radhika Devi V | MLRIT | 92071147 |
| Secretary | Sandhya Tuti | KG Reddy College of Engineering & Technology | 95687229 |
| Treasurer | Satyabrata Sahoo | Nalla Malla Reddy Engineering College | 94494366 |
| Immediate Past Chair | Vijayalata Y | Vardhaman College of Engineering | 91091196 |
| | | | |

IEEE MTT/AP/EMC SOCIETY JOINT CHAPTER

| | | | |
|----------------------|-----------------------|----------------------------------|----------|
| Chair | Prashant Kumar Mishra | RCI, DRDO | 92525515 |
| Vice Chair | Sulakshana Chilukuri | Vardhaman College of Engineering | 93392019 |
| Secretary | Arun Kumar G | NIT Warangal | 92310808 |
| Treasurer | Vijay Kumar Agarwal | RCI, DRDO | 80586926 |
| Immediate Past Chair | Sandeep Chaturvedi | RCI, DRDO | 80693373 |
| | | | |

IEEE PES/IAS/PELS SOCIETY JOINT CHAPTER

| | | | |
|----------------------|------------------------|--|----------|
| Chair | Siva Kumar G | NIT Warangal | 90534984 |
| Vice Chair | Hari Krishna D | MVSR Engineering College | 90436180 |
| Secretary | VSK Murthy Balijepalli | Eficaa Ensmart Solutions Private Limited | 80370919 |
| Treasurer | Madhuri Bayya | BITS Pilani | 91138944 |
| Immediate Past Chair | Lalitha S V N L | KLEF (Deemed to be University) | 90306032 |
| | | | |

IEEE PHOTONICS SOCIETY CHAPTER

| | | | |
|----------------------|--------------------|----------------------------------|----------|
| Chair | Umashanker Sahu | NITTR | 90235718 |
| Vice Chair | Amarjit Kumar | NIT Warangal | 92864694 |
| Secretary/Treasurer | S. Rajendar | Vardhaman College of Engineering | 92922718 |
| Immediate Past Chair | Kasyapa Balemarthy | OFS Optics | 90286547 |
| | | | |

IEEE TECHNOLOGY AND ENGINEERING MANAGEMENT CHAPTER

| | | | |
|----------------------|-------------------|----------------------------------|----------|
| Chair | Sitaram Tadepalli | DBS Bank | 93749937 |
| Vice Chair | | | |
| Secretary/Treasurer | MD.Asif | Vardhaman College of Engineering | 94865579 |
| Immediate Past Chair | Venkatash N | Silicon Labs | 80250684 |
| | | | |

IEEE WIE AFFINITY GROUP

| | | | |
|----------------------|-------------------------|--|----------|
| Chair | Harivardhagini S | CVR College of Engineering | 92218533 |
| Vice Chair | Manjula Sri R | VNR VJIET | 94604358 |
| Secretary | Sofia Priya Dharshini J | RGM College of Engineering and Technology | 98723806 |
| Treasurer | Harsha Vardhini P A | Vignan Institute of Technology and Science | 92474948 |
| Immediate Past Chair | Sreelakshmi G | CVR College of Engineering | 91244764 |
| | | | |

IEEE YOUNG PROFESSIONALS AFFINITY GROUP

| | | | |
|------------|--------------------|--------------------------|----------|
| Chair | Sandeep Dogiparthi | Feuji Inc | 93943487 |
| Vice Chair | Mahesh Nirati | HCL TECHNOLOGIES | 94092302 |
| Secretary | Deepak Doopati | Tata Consultancy Servies | 94959919 |

| | | | |
|---|-----------------------------|--|-----------|
| Treasurer | Umar Farooq | Accenture | 96771226 |
| Immediate Past Chair | Ramya Narendra | Amazon | 94139832 |
| | | | |
| IEEE LIFE MEMBERS AFFINITY GROUP | | | |
| Chair | Kannan Rajagopalan | Retd. Director BHEL | 40159914 |
| Vice Chair | ----- | | |
| Secretary | ----- | | |
| Treasurer | ----- | | |
| Immediate Past Chair | KMM Rao | Retd. Scientist ISRO/NRSC | 4388351 |
| | | | |
| IEEE ROBOTICS AND AUTOMATION SOCIETY CHAPTER | | | |
| Chair | Sudharsan Jayabalan | GRIET | 90772535 |
| Vice Chair | Gulshan BIST | Assistant Director, MSME | 98549966 |
| Secretary | Zahoorullah S MD | Dr Z Labs | 99455782 |
| Treasurer | Mounika Sakhineti | IIIRPD | 98549862 |
| | | | |
| IEEE SENSORS COUNCIL CHAPTER | | | |
| Chair | Sangeeta Singh | Vardhaman College of Engineering | 93266054 |
| Vice Chair | Abhinandan Prateek | Director Technology, Smart Structures | 99462275 |
| Secretary/Treasurer | Priyanka Brahmaiah V | VNR VJIET | 95145416 |
| Immediate Past Chair | Amit Kumar | BioAxis DNA Research Centre (P)Ltd | 90732008 |
| | | | |
| IEEE NANOTECHNOLOGY COUNCIL | | | |
| Chair | Santhosh Sivasubramani | IIT Hyderabad / RSL Quantum | 92440075 |
| Vice Chair | Suryanarayana Jammalamadaka | IIT Hyderabad | 96871779 |
| Secretary | Thirmal Chinthakuntla | VNR VJIET | 98011938 |
| Treasurer | Bhagvan Kommadi | Quantica Computacao Pvt Ltd | 95700792 |
| | | | |
| IEEE INDUSTRIAL ELECTRONICS SOCIETY | | | |
| Chair | Tripura Pidikiti | RVR&JC College of Engineering | 92618149 |
| Vice Chair | Balakrishna Prasad Chavali | DURA Automotive | 90737472 |
| Secretary | Phaneendra Babu B | GRIET | 90759584 |
| Treasurer | Narasimhulu V | RGM College of Engineering and Technology | 92539243 |
| Immediate Past Chair | Madhav Negi | DXC Technology | 41570141 |
| | | | |
| IEEE RELIABILITY SOCIETY | | | |
| Chair | Swarna Bai Arniker | DRDO | 90356439 |
| Vice Chair | Ravi Kumar Dasari | VNR VJIET | 91243110 |
| Secretary | Ch Anil Kumar Tulluri | VFSTR | 93316920 |
| Treasurer | P. Shashavali | SK University College of Engineering &Technology | 95380298 |
| Immediate Past Chair | Somnath Pal | DXC Technology | 90801354 |
| | | | |
| IEEE SIGNAL PROCESSING SOCIETY | | | |
| Chair | Padma Sai Y | VNR VJIET | 92531133 |
| Vice Chair | Sarat Chandra I | Matrusri Engineering College | 93315956 |
| Secretary | Nanda Kishore Chavali | Mathworks | 415670007 |
| Treasurer | Aravinda Babu T | CBIT | 92512079 |

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|--|-------------------------|---|----------|
| Immediate Past Chair | LaxmiNarayana P | Osmania University | 90846426 |
| IEEE AEROSPACE AND ELECTRONIC SYSTEMS SOCIETY | | | |
| Chair | Madhumita Chakravarti | Director CMSDS, DRDO | 80401554 |
| Vice Chair | Bhudeb Chakravarti | Advisor - Program Implementation, Dimagi Inc. | 80393354 |
| Secretary/Treasurer | Tapas Kumar Pal | Scientist RCI, DRDO | 80698580 |
| Member | Venkata Kishore K | VFSTR | 93127996 |
| ANATAPURAMU SUBSECTION | | | |
| Chair | Sankar Velamury | JNTUA CEA | 90339465 |
| Vice Chair | Ashok Kumar D V | RGM College of Engineering and Technology | 90591275 |
| Secretary | Naresh Babu Muppalaneni | IIITDM-Kurnool | 91131471 |
| Treasurer | Mamatha Gannera | JNTUA CEA | 92640572 |
| Immediate Past Chair | Siva Reddy Y V | G. Pulla Reddy Engineering College | 91204289 |
| GUNTUR SUBSECTION | | | |
| Chair | Sreenivasa Reddy Edara | Acharya Nagarjuna University | 80345589 |
| Vice Chair | Swarnasri K | RVR&JC College of Engineering | 41442220 |
| Secretary/Treasurer | Kishore Babu Y | University College of Engg, Narasaraopet, JNTUK | 91225837 |
| Immediate Past Chair | Lalitha S V N L | KLEF (Deemed to be University) | 90306032 |
| Co-Opted Standing Committees | | | |
| Industry Relations Committee | VSK Murthy Balijepalli | Eficaa Ensmart Solutions Private Limited | 80370919 |
| Membership Development Committee | Rajesh Tiwari | CMR Engineering College | 97877971 |
| Educational Activities | Tara Sai Kumar | BVRITH | 93809193 |
| Mentorship Program | Aruna Bharathi M | Geethanjali College of Engineering and Technology | 94729516 |
| STEM | Sandeep Chaturvedi | RCI, DRDO | 80693373 |
| Awards and Recognition | NV Rao | Retd. Scientist ISRO/NRSC | 4649539 |
| Conference Committee | Amit Kumar | BioAxis DNA Research Centre (P)Ltd | 90732008 |
| ECIM & Website | Sandeep Doggiparthi | Feuji Inc | 93943487 |
| Newsletter | Prasad Acharaya | SNIST | 95621857 |
| Section Chapter Coordinator | Sreelakshmi G | CVR College of Engineering | 91244764 |
| HAC/SIGHT | Jabbar M A | Vardhaman College of Engineering | 91119906 |
| SAC | Jayaprakasan V | SNIST | 92295009 |
| SSR | | | |
| Entrepreneurship and Startup Development | Rohit Kumar B | HCU | 98490414 |
| Professional Activities | | | |
| New Initiative Committee | Amit Kumar | BioAxis DNA Research Centre (P)Ltd | 90732008 |
| | Vijayalata Y | Vardhaman College of Engineering | 91091196 |
| Fellow Committee | NV Rao | Retd. Scientist ISRO/NRSC | 4649539 |

- **Section Highlights**

IEEE Hyderabad Section has over 11124 members, it is represented by 10 Chapter and 16 Technical Societies, 2 Subsections and 3 Affinity Groups.

Section Volunteers were instrumental in collectively organizing 2437 Technical, Professional, Non-technical, Humanitarian and Administrative Events. These events covered over 50000 attendees in 2023. This demonstrates IEEE Hyderabad Section Leadership commitment to make it one of the most vibrant sections in this Region. The below table gives comprehensive view towards scale of the events and membership count in Hyderabad section.

| Count by Region and Grade | | | | | | | | |
|---------------------------|---------------|-------------------|----------------|-------------------------|---------------|--|--|---------------|
| Region | Council | Section | Grade Category | Grade | Total | | | |
| R10 | India Council | Hyderabad Section | IEEE Grades | Associate Member | 58 | | | |
| | | | | Fellow | 1 | | | |
| | | | | Graduate Student Member | 475 | | | |
| | | | | Life Fellow | 6 | | | |
| | | | | Life Member | 4 | | | |
| | | | | Life Senior | 22 | | | |
| | | | | Member | 2,329 | | | |
| | | | | Senior Member | 596 | | | |
| | | | | Student Member | 7,616 | | | |
| | | | | Total | 11,107 | | | |
| | | | Other Grades | Affiliate | 17 | | | |
| | | | | Total | 17 | | | |
| | | | Total | | | | | 11,124 |

Activities organized by IEEE Hyderabad section .

| Chapter /AG/Society /Council | Activities |
|------------------------------|------------|
| WIE | 31 |
| YP | 10 |
| LM | 12 |
| CS | 11 |
| CAS | 10 |
| IES | 15 |
| NANO | 63 |
| RAS | 21 |
| RL | 28 |
| SEN | 18 |
| SP | 18 |
| MTT | 24 |
| CIS | 11 |

| | |
|----------|----|
| PES/PELS | 23 |
| ES | 16 |
| PH | 3 |
| TEMS | 7 |
| AES | 5 |
| COMM | 9 |

| Name | Prof | Tech | Non-Tech | Admin | Hum | Pre-U | Total |
|-------------------|------|------|----------|-------|-----|-------|-------|
| Hyderabad Section | 348 | 1511 | 219 | 232 | 90 | 27 | 2427 |

- Major Events (International, National)**

Some Of the Major Events conducted by the Section include

IEEE Hyderabad section organized two major international conference INDICON is the flagship annual international conference of the IEEE India Council. The 20th IEEE INDIA COUNCIL CONFERENCE “INDICON 2023”, hosted by IEEE Hyderabad Section, took place from 14th – 17th December 2023 at CMRIT HYDERABAD (INDIA). The event had AMD as gold sponsor, Matworks and LUCES as silver sponsors.

A total of 1064 papers were received in total for 15 different tracks. Out of them, 251 papers were accepted for oral presentation and 83 were accepted for poster presentation.

The inaugural was followed by keynote addresses by Dr. Hemant Darbari, Mission Director, National Supercomputing Mission on the topic “India’s March towards Exascale Supercomputing” The talk was very informative and knowledgeable. This was followed by a keynote session on Sensors, Signal Processing and VLSI for the cutting-edge and emerging application areas by Dr. B. Satyanarayana, Tata Institute of Fundamental Research, Mumbai.





APCCAS2023 Conference

- ❖ APCCAS2023 & PrimeAsia2023 Conferences have concluded successfully. It was a five-day conference
- ❖ A preconference workshop was held on 18th November 2023. 19th November 2023 was tutorial day.
- ❖ Conference proper was on 20th, 21st and 22nd November 2023.
- ❖ The conference program included Inaugural, keynote addresses, panel discussions technical paper presentations including poster papers.
- ❖ There were a cultural program and banquet dinner on the evening of secondary, i.e., 21st November.
- ❖ A unique footfall of about 600 people over the entire 5-day conference
- ❖ A total of 87 technical papers were presented and 32 poster presentation.
- ❖ A total of 10 companies / institutions participated in the exhibition.
- ❖

Conference and Exhibition Inaugural



The BOG team of CAS society IEEE were present during the conference. These include Prof. Nishio, Prof. Amara Amara, Prof. Fakrul and Prof. Youngfu Li. This happens to be 75th year of CAS society and the 75-year logo was unveiled after the Inaugural



- **Major Chapter Activities**

- Flag ship events organized by section chapters**

1. MTT / APS / EMC Joint Chapter organized Sir JC Bose Memorial Lecture
2. WIE Affinity Group organized Lalitha Memorial Lecture (LML)
3. PELS/PES/IAS Joint Chapter Organized Faraday Memorial Lecture
4. CS Chapter Organized FC Kohli Memorial Lecture
5. IES Organized Dr A S Rao Memorial Lecture
6. CIS / GRSS Joint Chapter organized John McCarthy Memorial Lecture

7. PES/PELS/IAS joint Chapter Organized PES Global Workshop

• **Major Student and Affinity Group Activities**

SAC organized three zonal congress and one section student congress apart from SAC, other affinity groups also conducted good number of activities.

Updates from SAC

SAC : Conducted 3 Zonal Congress and also Section Student Congress



50



Agenda

- **Administrative meetings Conducted** - 4 No's
- **Events Conducted** - 10 No's
- **Secured \$750 USD Funding in 2nd cycle of IEEE Young Professionals**
- **Secured \$500 USD Funding in 3rd cycle of IEEE Young Professionals**

EVENTS CONDUCTED - 2023

| Sno | Event Name | Type | Date | Attendees |
|-----|--|----------------|--|-----------|
| 1 | IEEE Hyderabad Section Young Professionals Excom Meeting 2023 | Administrative | July 29, 2023 | 5 |
| 2 | STEP + LAB | Professional | September 2, 2023 | 150 |
| 3 | Kick off ELEVATE Collaboration with IEEE - VBIT SB | Administrative | September 20, 2023 | 15 |
| 4 | First Meeting Regarding YP Student Connect | Administrative | September 22, 2023 | 6 |
| 5 | Fireside chat with REM Scholar | Professional | September 23, 2023 | 25 |
| 6 | ELEVATE: THE FUTURE-CHANGING AI AND ML CHALLENGES | Technical | 29 th & 30 th September 2023 | 179 |
| 7 | Introduction and career opportunities in Blockchain - Student YP Connect | Technical | October 7, 2023 | 16 |
| 8 | Kick off STEP Collaboration with IEEE - GRIET SB | Administrative | October 14, 2023 | 15 |
| 9 | STEP - GRIET | Professional | October 21, 2023 | 158 |
| 10 | ROLE OF YP's AND EMERGING NANOTECHNOLOGY - THE PATH AHEAD | Technical | November 5, 2023 | 5 |



• **Awards**

IEEE Hyderabad Section was proud to receive the following Awards for continued Valuable Services and Contribution to the Societies benefits.

1. Certification of Recognition for Achieving Membership Drive Goal from IEEE, MGA

IEEE Hyderabad Section.

2. Certification of Recognition members from IEEE member recruitment and recovery committee.

a. Dr Y Vijayalata, Chair, IEEE Hyderabad Section

b. Ashok Kumar D. Venkata

3. R10 Ethics champion awards received by IEEE section Volunteers.

i) Vijayalata yellasiri,

ii) M.A, Jabbar, IEEE

iii) Harivardhagini Subdra,

iv) Tripura Padikiti,

v) Sangeeta Singh,

vi) Mahesh Neerati,

vii) Arjuna Mudili,

viii) Sankar Velamury,

ix) V. Anantha Lakshmi,

x) G. Srinivasa Reddy,

xi) M Shri Varshini ,

xii) W. Yasmeen,

4. Certificate of Recognition from IEEE Member Recruitment and Recovery Committee

I. Rajesh Tiwari,

II. Sankar Velamury,

III. IEEE WIE International Leadership Summit

IV. Srilaxmi Ravali M. - Certificate of Participation

V. 2023 WIE Day Ambassador

VI. Tripura Padikiti- Certificate of Appreciation

VII. MGA YP Achievement Award 2023

VIII. Santhosh Sivasubramani- Chair NTC

5. IEEE Hyderabad Section- Women in Engineering (WiE) has received a special fund of USD 400.

6. 2023 IEEE WiE inspiring member of the year Award to Y. Padma Sai

7. Certification of Appreciation by 2023 IEEE WIE. J. Sofia Priya Dharshini

Richard E. Merwin Scholarship

I. Anoushika Boddupalliis

Special recognition(Pre-U Champions)

II. Sangeeta Singh

III. Harivardhagini S

IEEE PES/IAS/PELS Joint Chapter received a grant of \$750 as part of the 2022 IEEE PES High Performance Chapter Program.

QIS College of Engineering and Technology SB received the IEEE R10 WIE Champion award.

DARREL CHONG AWARD in the Student Activities Committee 2023

1. Gokaraju Rangaraju Institute of Engineering and Technology SB (**Gold**)

2. Vardhaman College of Engineering SB (**Silver**)

2023 IEEE Regional Exemplary SB award

RVR and JC College of Engineering

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

• Summary (as per submitted on NetSuite)

In summary, the Section received rebates/grants/receipts of 2,65,58,118 and incurred expenditure totalling Rs 2,46,90,935 with a surplus of 18,67,183. The Section Financial Report will be filed via Net Suite or proper channels.

• Any other financial activities

Not Applicable

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
- Membership count in 2023

| Count by Region and Grade | | | | | |
|---------------------------|---------------|-------------------|----------------|-------------------------|---------------|
| Region | Council | Section | Grade Category | Grade | Total |
| R10 | India Council | Hyderabad Section | IEEE Grades | Associate Member | 58 |
| | | | | Fellow | 1 |
| | | | | Graduate Student Member | 475 |
| | | | | Life Fellow | 6 |
| | | | | Life Member | 4 |
| | | | | Life Senior | 22 |
| | | | | Member | 2,329 |
| | | | | Senior Member | 596 |
| | | | | Student Member | 7,616 |
| | | | | Total | 11,107 |
| | | | Other Grades | Affiliate | 17 |
| | | | Total | Total | 17 |
| | | | Total | Total | 11,124 |

Section Membership has grown after we have appointed a Chair-membership activity. This is visible in the growth of professional members. As part of Section Future Directions Committee recommendations, it has been suggested to hold activities targeted specifically towards each segment, instead of the one size fits all approach currently prevalent. Enough awareness has been created among all the chapters and affinity groups.

Hot topics workshops have been conducted that are members only, thus highlighting the benefit of memberships. Chair Membership distributed chapter specific presentations to each chapter so they can independently speak from the ppt at their events.

2024 plans including holding a special flagship event, focus on improving the communication to the members from Section, Chapters and Affinity Groups. Section was focusing to build a social relationship between members and further driving the focus to start the IEEE

Mentorship program to students through Senior Members, drive Entrepreneurship and Start-up activities. There was a constant focus for Special Interest Groups to drive the propagation of trends and how it impacts societies, awareness session was conducted for the same.

IEEE Hyderabad Section continuous efforts was to demonstrate Value of IEEE programs and the breadth of knowledge with exposure given. This Value demonstration really made the difference in increasing the membership voluntarily.

Membership development is perceived as a lateral activity under part of every society and affinity group therefore all activities have been merged as part of the organizational unit conducting the event. No L31 was filed separately for membership activities. No special budget head was assigned Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members.

B.2 Chapter Activities

- **Total number of Chapters in the Section**
19 chapters councils and affinity groups are in section along with two subsections.
- **Number of Chapters formed in the current year**
One-chapter AESS is formed in 2023.
- **Number of active Chapters (Chapters who have reported required number of meetings during the year)**
There are eight 19 active chapters and Joint Chapters who met the required meetings during the year 2023.

- Summary of Chapter activities (Chapter wise with attachment table/information)

| Chapter /AG/Society /Council | Activities |
|------------------------------|------------|
| WIE | 31 |
| YP | 10 |
| LM | 12 |
| CS | 11 |
| CAS | 10 |
| IES | 15 |
| NANO | 63 |
| RAS | 21 |
| RL | 28 |
| SEN | 18 |
| SP | 18 |
| MTT | 24 |
| CIS | 11 |
| PES/PELS | 23 |
| ES | 16 |
| PH | 3 |
| TEMS | 7 |
| AES | 5 |
| COMM | 9 |

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

Section has invested in launching the MOOC Based Skill Connect Program and launched portal to drive

Continuous education and on-demand learning <https://ieeeskillconnect.in/>. Summary of continuing

Educational activities including conferences, technical activities, training courses, and distinguished lecture

programs with attachment table / information.

Skill Connect Programme

Hyderabad Section conducted the continued Skill Connect programme initiatives for building competence, nurturing student and increasing employability in engineering students with the

following features and highlights.

- Builds Employable Skills in College Students
- Builds Ability to Do / Apply Learning Effectively
- Attempt to Bridge the Gap between Academia and Industry
- Focus: Competence Building & ‘Learning to Learn’ (rather than Knowledge alone as in traditional training)

Special Features

- Largely Bridges Gap between Industry Expectations and College learning.
- Orients thinking of students to apply and do what Industry expects, while in College.
- Substantially enhances Soft aspects.

Unique Methodology

- Uses Pattern Based Learning.
- Starts with SME Requirements to orient competence.
- Target Outcome – Internships (for part of the team)with Small and Medium Enterprises to give real time competence

B.4 Students Activities

- Total number of Student Branches in the Section

IEEE Hyderabad Section 2024 - IEEE Student Branches

| Zone wise SB Analysis | Hyderabad | Warangal | Anaptapur | Guntur | Total |
|-----------------------|-----------|----------|-----------|--------|-------|
| Total Number of SB's | 67 | 10 | 31 | 22 | 130 |

- Number of Student Branches formed in the current year
No new student branch is formed.
- Section level student activities (student congress, paper and other contests, awards etc)
SAC Conducted 3 Zonal Congress and also Section Student Congress.

Updates from SAC



51



- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
In 2022, 60 student branches reported required number of meetings during the year. Section has organized various awareness activities for Student Branches to submit the activity report , In 2023 , 100+ student branches has submitted the event reports .
- Summary of Student Branch activities (Student Branch wise with attachment table/information)

| Zone | Organizational Unit | Students Members | Gr. Students Members | Total | Number of Events Filed |
|------|--|------------------|----------------------|-------|------------------------|
| WAR | STB64331 Vaagdevi College Of Engineering | 150 | 0 | 150 | 4 |
| WAR | STB64621 Jayamukhi Inst of Technological Sciences | 88 | 1 | 89 | 16 |
| WAR | STB20202 Vaagdevi Engineering College | 68 | 0 | 68 | 21 |
| WAR | STB63811 SR University | 60 | 0 | 60 | 5 |
| ATP | STB16391 Rajeev Gandhi Memorial College of Eng and Tech | 368 | 0 | 368 | 6 |
| ATP | STB15721 G Pulla Reddy Engrg College | 213 | 0 | 213 | 6 |
| ATP | STB31511 NBKR Inst of Science & Tech | 139 | 1 | 140 | 4 |
| ATP | STB14181 Sri Venkateswara College of Engineering | 128 | 1 | 129 | 14 |
| ATP | STB60203906 Sree Rama Engineering College | 25 | 0 | 25 | 17 |
| ATP | STB17311 Ravindra College of Engineering for Women | 12 | 0 | 12 | 16 |
| ATP | STB17711 Chaitanya Bharathi Institute of Tech Proddatur | 12 | 0 | 12 | 6 |
| GUN | STB18211 QIS College of Engineering & Technology | 115 | 1 | 116 | 16 |
| GUN | STB13631 Vignan's Foundation for Sci, Tech & Research | 94 | 14 | 108 | 8 |
| GUN | STB62881 Koneru Lakshmaiah College of Engineering | 85 | 15 | 100 | 25 |
| GUN | STB55201 RVR & JC College of Eng | 98 | 0 | 98 | 17 |
| GUN | STB61021 Narasaraopeta Engineering College | 93 | 2 | 95 | 10 |
| GUN | STB64751 Lakireddy Balireddy College of Engineering | 70 | 0 | 70 | 13 |
| GUN | STB11430 JNTUK Univ College of Engineering- Narasaropet | 63 | 2 | 65 | 12 |
| GUN | STB16401 G.Pullaiah College of Eng & Tech | 28 | 14 | 42 | 12 |
| GUN | STB18301 PSCMR College of Engineering and Technology | 22 | 1 | 23 | 7 |
| HYD | STB64761 Gokaraju Rangaraju Inst Eng & Tech- Hyderabad | 248 | 0 | 248 | 22 |
| HYD | STB02391 Vardhaman College of Engineering- Shamshabad | 241 | 2 | 243 | 18 |
| HYD | STB60651 VNR Vignana Jyothi Inst Of Eng & Tech | 234 | 2 | 236 | 24 |
| HYD | STB12161 MVSR Engineering College | 211 | 2 | 213 | 21 |
| HYD | STB17791 Matrusri Engineering College | 137 | 2 | 139 | 8 |
| HYD | STB05841 Geethanjali College of Engineering & Technology | 117 | 0 | 117 | 5 |
| HYD | STB100001 Nawab Shah Alam Khan | 106 | 1 | 107 | 18 |

| | | | | | |
|-----|---|----|----|-----|----|
| | College of Engg and Tech | | | | |
| HYD | STB10721 Univ College of Eng Osmania-Hyderabad | 93 | 12 | 105 | 25 |
| HYD | STB64251 CVR College of Engineering | 96 | 2 | 98 | 8 |
| HYD | STB10164 Sreyas Institute of Engineering & Technology | 89 | 0 | 89 | 33 |
| HYD | STB61921 Sreenidhi Inst of Science & Tech | 78 | 0 | 78 | 18 |
| HYD | STB20148 KG Reddy College of Engineering and Technology | 75 | 0 | 75 | 11 |
| HYD | STB65451 Vignana Bharathi Institute of Technology | 53 | 0 | 53 | 5 |
| HYD | STB17231 Stanley Coll of Eng & Tech for Women | 42 | 0 | 42 | 6 |
| HYD | STB09841 Hyderabad Institute of Tech & Mgmt | 41 | 0 | 41 | 9 |
| HYD | STB64991 G Narayanamma Inst of Tech & Sci | 31 | 0 | 31 | 13 |
| HYD | STB60206885 Lords Institute of Engineering and Technology | 23 | 0 | 23 | 4 |
| HYD | STB15591 BVRIT Hyderabad | 20 | 1 | 21 | 15 |
| HYD | STB15191 CMR Institute of Technology-Hyderabad | 13 | 0 | 13 | 7 |

B.5 Affinity Group Activities

- Young Professional (YP)

Events organized by Young Professionals



14 2/29/2024



Agenda

- Administrative meetings Conducted - 4 No's
- Events Conducted - 10 No's
- Secured \$750 USD Funding in 2nd cycle of IEEE Young Professionals
- Secured \$500 USD Funding in 3rd cycle of IEEE Young Professionals

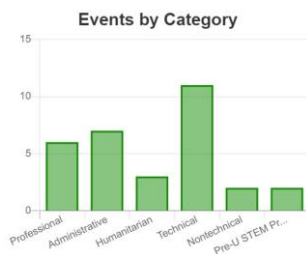
EVENTS CONDUCTED - 2023

| Sno | Event Name | Type | Date | Attendees |
|-----|--|----------------|--|-----------|
| 1 | IEEE Hyderabad Section Young Professionals Excom Meeting 2023 | Administrative | July 29, 2023 | 5 |
| 2 | STEP + LAB | Professional | September 2, 2023 | 150 |
| 3 | Kick off ELEVATE Collaboration with IEEE - VBIT SB | Administrative | September 20, 2023 | 15 |
| 4 | First Meeting Regarding YP Student Connect | Administrative | September 22, 2023 | 6 |
| 5 | Fireside chat with REM Scholar | Professional | September 23, 2023 | 25 |
| 6 | ELEVATE: THE FUTURE-CHANGING AI AND ML CHALLENGES | Technical | 29 th & 30 th September 2023 | 179 |
| 7 | Introduction and career opportunities in Blockchain - Student YP Connect | Technical | October 7, 2023 | 16 |
| 8 | Kick off STEP Collaboration with IEEE - GRIET SB | Administrative | October 14, 2023 | 15 |
| 9 | STEP - GRIET | Professional | October 21, 2023 | 158 |
| 10 | ROLE OF YP's AND EMERGING NANOTECHNOLOGY - THE PATH AHEAD | Technical | November 5, 2023 | 5 |



- Women In Engineering (WIE)

Events organized by -WIE



8 2/29/2024



- Life Member (LM)

Events organized by Life Member AG



17 2/29/2024

IEEE WOMEN IN ENGINEERING MENTORING PROGRAM

IEEE WOMEN IN ENGINEERING MENTORSHIP PROGRAM (An IEEE WIE & IEEE Life Member funded event)



B.6 Awards & Recognition Activities

- Award constituted by the Section
- **Awards Criteria and Evaluation:**
- The Awards Committee established detailed criteria for each award category to assess the nominees' contributions and achievements effectively. The criteria were designed to capture the breadth and depth of volunteerism, leadership, and impact within the IEEE community.
- 1. Volunteer Awards Criteria:

- Contributions to IEEE Hyderabad Section: Nominees were evaluated based on their active involvement and contributions to IEEE activities at the branch, chapter, section, or regional levels. Their level of engagement, leadership roles held, and the impact of their initiatives were assessed to determine their suitability for the award.
 - Suitability/Reason for Application: Nominees were required to provide a compelling reason for their application, highlighting their unique qualifications, experiences, and achievements relevant to the award category.
 - Innovation or Value-Add through New Initiatives: The ability of nominees to initiate and implement innovative projects or reforms within IEEE was assessed, focusing on their capacity to drive positive change and improvements.
 - Brief Bio: Nominees' biographical information, including their professional background, IEEE involvement, and significant achievements, was reviewed to gain a comprehensive understanding of their profile.
 - Non-IEEE Contributions: Any significant technical or leadership qualities demonstrated by nominees outside of IEEE were considered, recognizing their broader impact beyond the organization.
 - 2. Student Branch Awards Criteria:
 - Alignment with Branch Goals and Activities: Nominees were evaluated based on their understanding of the award's relevance to the student branch's goals and activities. The extent to which their initiatives and achievements contributed to the branch's overall objectives was assessed.
 - Impactful Events Organized: Nominees were required to list five impactful events organized by their student branch in the last three years (2020-2024), showcasing their leadership and organizational skills.
 - IEEE Awards Granted to the Branch: The number and significance of IEEE awards granted to the student branch or its members in the last three years were considered, reflecting the branch's overall performance and recognition.
 - New Initiatives Adopted: Nominees were asked to explain the new initiatives adopted by their student branch, chapter, or affinity group, highlighting their creativity and proactive approach to addressing challenges and opportunities.
 - Membership Growth Year-on-Year: The nominees' involvement in achieving year-on-year growth in the student branch's membership was assessed, focusing on their strategic efforts and initiatives to expand the branch's reach and impact.
 - Contributions or Collaborations with External Associations: Nominees were evaluated based on their contributions and collaborations with associations like IETE, ISTE, or similar entities, highlighting their ability to foster partnerships and leverage resources for the benefit of the student branch.
 - **Winners and Citations:**
 - The winners of the awards were selected based on the evaluation of nominations against the established criteria. The Awards Committee meticulously reviewed each nomination, considering the nominee's achievements, contributions, and impact within the IEEE community. The winners exemplified excellence in their respective fields and demonstrated a commitment to advancing the goals and objectives of the IEEE Hyderabad Section. Awards constituted by IEEE Hyderabad section are
1. Outstanding Student Volunteer Award:
 2. Outstanding Student Volunteer Award:
 3. Outstanding Young Professional Award:
 4. Outstanding Women in Engineering Volunteer Award:
 5. Outstanding Branch Counsellor Award:
 6. Outstanding Volunteer Award:
 7. Outstanding Volunteer Award:
 8. Outstanding Student Branch Chapter / AG Advisor Award:
 9. Outstanding SB Chapter / Affinity Group Award: Computer Society -
 10. Emerging Student Branch Award:
 11. Outstanding Student Branch Award:
 12. Outstanding Student Branch Award:

- **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 Hyderabad Section was proud to receive the following Awards for continued Valuable Services and Contribution to the Societies benefits.

8. Certification of Recognition for Achieving Membership Drive Goal from IEEE, MGA IEEE Hyderabad Section.
9. Certification of Recognition members from IEEE member recruitment and recovery committee.
 - a. Dr Y Vijayalata, Chair, IEEE Hyderabad Section
 - b. Ashok Kumar D. Venkata
10. R10 Ethics champion awards received by IEEE section Volunteers.
 - xiii) Vijayalata yellasiri,
 - xiv) M.A, Jabbar, IEEE
 - xv) Harivardhagini Subdra,
 - xvi) Tripura Padikiti,
 - xvii) Sangeeta Singh,
 - xviii) Mahesh Neerati,
 - xix) Arjuna Mudili,
 - xx) Sankar Velamury,
 - xxi) V.Anantha Lakshmi,
 - xxii) G. Srinivasa Reddy,
 - xxiii) M Shri Varshini ,
 - xxiv) W. Yasmeen,
11. Certificate of Recognition from IEEE Member Recruitment and Recovery Committee
 - IX. Rajesh Tiwari,
 - X. Sankar Velamury,
 - XI. IEEE WIE International Leadership Summit
 - XII. Srilaxmi Ravali M. - Certificate of Participation
 - XIII. 2023 WIE Day Ambassador
 - XIV. Tripura Pidikiti- Certificate of Appreciation
 - XV. MGA YP Achievement Award 2023
 - XVI. Santhosh Sivasubramani- Chair NTC
12. IEEE Hyderabad Section- Women in Engineering (WiE) has received a special fund of USD 400.
13. 2023 IEEE WiE inspiring member of the year Award to Y. Padma Sai
14. Certification of Appreciation by 2023 IEEE WIE. J. Sofia Priya Dharshini Richard E. Merwin Scholarship
 - IV. Anoushika Boddupalliis
Special recognition(Pre-U Champions)
 - V. Sangeeta Singh
 - VI. Harivardhagini S

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

- **Newsletter (name and number of issues in the year)**

IEEE Hyderabad Section is publishing its bi-monthly electronic newsletter (**Synapse**). This e-newsletter is aimed to cover all the events organized by IEEE Hyderabad Section as well as all the Chapters, Societies, Affinity Groups, sub-sections (Guntur and Anantapuramu) and student branches under its jurisdiction, achievements/awards for any individual member or Chapter/Society/AG/SB related to IEEE Hyderabad Section activities.

- **Home Page of the Section (give the URL and how often it is updated)**
- IEEE Hyderabad Section revived its web presence substantially in 2019 and continue to sustain that in coming years too. It established a process of collaborative creation of web content using Git processes, daily builds etc. Training sessions are being planned to volunteer for managing the website. IEEE Hyderabad Section URL is: <https://ieeehyd.org/>
- Other means of contacts with Section members including social media

IEEE Hyderabad Section also revived its social media presence on Twitter (@ieeehyderabad) and on Facebook (Group: ieeehyd) and posting the content. IEEE Hyderabad Twitter account has 500+ followers, Facebook group has 5000+ members. IEEE Hyderabad Section will continue to leverage the presence on Social Media. . LinkedIn: <https://www.linkedin.com/company/ieee-hyderabad-section/> Twitter: @ieeehyderabad Facebook: <https://www.facebook.com/ieeehyderabad/>

B.8 Industry Relations

- **Membership growth and retention**

There are constant efforts made by IRC to derive the presence of industry experts and professionals into the events and programs to demonstrate value and improve membership growth and retention. •

Activities for/with industrial members IRC collaborated on following workshops Industrial Visits to BHEL, ECIL, DRDO

- **Activities for/with industrial members**

IEEE Hyderabad Section has formed Industrial relations Committee (IRC) to bring synergy between Industry, academia, start-ups, Government and practicing professionals by bringing them together on to a common platform. Currently significant number of Execom members and volunteers are from various industry organizations and, the fact that many of our activities were conducted with help and sponsorship from various companies. E.g. Qualcomm, Wells Fargo, Redpine Signals, BioAxis, Microsoft, TCS, AMS, etc.

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.

Humanitarian Technology related activities supported by the Section including collaboration with other OUs.

IEEE Hyderabad Section organized following programs on SIGHT activities to drive the SIGHT functions on Safety

- Technology for education, and Woman Welfare
- Seminar on Technology for Education, and Woman Welfare
- Seminar on importance of women in our science.

- **SIGHT Activities**

IEEE Hyderabad Section organized various programs on SIGHT activities to drive the SIGHT functions on reliability and Safety.

B.10 Community Activities

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

Section has promoted and supported the Social Activities events which includes Award Ceremony, team building activities.

Section has supported to conduct over

- 10 Social Events (conducted by Student Branches and Technical Society Chapters)
- 1 Awards/Dinner events (conducted by Section)
- 3 Congress Events – which has Award Ceremony and Team building activities

PART C - OTHERS

C.1 Special Events

- **Please briefly describe the importance of special events and the outcomes achieved**

The IEEE Hyderabad Section conducted a full SLATE meeting in which all the office bearers of all chapters, affinity groups and sub sections were invited. The Special SEC meeting brought all Section, Subsection, Chapter and AG Execom members together and was aimed at disseminating best practices in administering the various volunteer driven activities. All the SLATE members were trained on v tools .

- **Funding secured from the IEEE and external sources including sponsorships**

In summary, the Section received rebates/grants/receipts of 2,65,58,118 and incurred expenditure totalling Rs 2,46,90,935 with a surplus of 18,67,183.

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

- Nature of relationship and details of any formal agreement signed Details of joint activities
- Benefit to IEEE members (for example discounts, access to technical information etc.)
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)

IEEE Hyderabad Section has a long-standing association with other professional societies such as Institution of Engineers, Institute of Electronics and Telecommunications Engineers, and Computer Society of India. IEEE COE has signed agreement with ECIL to establish center of excellence . This has significantly helped in making the reach of IEEE activities with cross collaboration of other entities and promote the culture of IEEE activities. In turn, demonstrated the value and influenced in opening new Student Branches, Student Chapters and grow our Membership Development.

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
IEEE Hyderabad Section was putting up constant efforts through CAS/EDS, ComSoc/SPS, CIS/GRSS, MTT/APS/EMC and Computer Society in promoting and jointly collaborating with other Sections within the country and outside to promote IEEE activities and doing Outreach programme.
- Joint activities with any other Section

Many chapters collaborated with other section chapters to organized good number of activities

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

- Support extended for organising technical, educational and professional activities
IEEE Hyderabad Section has 2 subsections – Guntur, Ananthapuram.

Events Organized - ATPSS

| Sl. No. | Date | Cosponsor | Event Type | Event Topic | Speaker(s) | Attendee |
|---------|------------|--|-----------------------------|--|---|----------|
| 1 | 21.01.2023 | IEEE HS | Technical | PM-WANI DISAGGREGATED WIFI ROAMING ARCHITECTURE TO CONNECT THE UNCONNECTED | DR. SATYA N. GUPTA OF CHAIRMAN, INDIA IPV6 COUNCIL | 40 |
| 2 | 28.01.2023 | IEEE HS | Technical | INDEPENDENT SOFTWARE VERIFICATION AND VALIDATION - PART B | SRI SOMNATH PAL, CHAIR IEEE HS RSC. | 10 |
| 3 | 09.02.2023 | SVNEC | Professional Development | AWARENESS ON IMPORTANCE OF IEEE ORGANISATIONAL AND SOCIETAL MEMBERSHIPS | DR. V. SANKAR, VICE-CHAIR, IEEE HS RSC & EX-OFFICIO CHAIR IEEE ATPSS | 34 |
| 4 | 21.02.2023 | MRTG PDSPL, Hyderabad, STB OF SRIT | Technical | IMPENDING FAILURES OF MODERN GENERATORS AND CONDITION ASSESSMENT | SRI P. G. S. KUMAR, TECHNICAL DIRECTOR MRGP | 119 |
| 5 | 28.02.2023 | MRTG PDSPL, Hyderabad, STBs OF JNTUA, SRIT, RGM CET | Technical | OPERATION & CAPABILITY ASPECTS OF TURBINE GENERATORS AND PERFORMANCE IMPROVEMENTS. | DR. K. M. VISHNU MURTHY, FORMER SR. DGM, BHEL | 351 |
| 6 | 14.03.2023 | STBs OF VNRVJIT, RGM CET NANDYAL, | Technical | RELIABILITY ANALYSIS OF ELECTRIC DRIVE SYSTEMS | DR. PVN PRASAD, RETD. PROFESSOR IN EEE, OSMANIA UNIVERSITY, HYDERABAD | 135 |
| 7 | 16.03.2023 | MRTG PDSPL, Hyderabad, STBs of RGM CET NANDYAL, | Technical | TURBINE GENERATION STATOR CORE PROBLEMS | SRI K. K. ROY, FORMER ADDITIONAL GENERAL MANAGER (AGM) | 219 |

54 29 February 2024



| Sl. No. | Date | Cosponsor | Event Type | Event Topic | Speaker(s) | Attendee |
|---------|------------|--|----------------|---|---|----------|
| 8 | 19.04.2023 | STBs of SRIT ATP, RGM CET NANDYAL, SRI RAMA ENGG COLLEGE TIRUPATHI | Technical | INDEPENDENT SOFTWARE VERIFICATION AND VALIDATION - PART C | SRI SOMNATH PAL, CHAIR IEEE HS RSC. | 129 |
| 9 | 20.04.2023 | STBs of JNTUACE, VNRVJIET, SREC TIRUPATHI, SVNEC TIRUPATHI | Technical | RELIABILITY ANALYSIS OF FAULT TOLERANT DRIVE SYSTEMS | DR. PVN PRASAD, RETD. PROFESSOR IN EEE, OSMANIA UNIVERSITY, HYDERABAD | 56 |
| 10 | 25.04.2023 | MRTG PDSPL, Hyderabad, STBs of SRIT, VNRVJIET, ANANTHAPURAMU, VFSTR GUNTUR | Technical | HOW TO IMPROVE THE PERFORMANCE OF TURBINE GENERATORS THROUGH MECHANICAL AUXILIARIES UPGRADATION | SRI U. SRIDHAR, FORMER AGM, CHIEF OF TG ENG. AND R&D, BHEL | 87 |
| 11 | 06.05.2023 | STBs of JNTUA, RGM CET, SRIT, VNRVJIET | Technical | PHYSICS OF FAILURE (POF) BASED RELIABILITY ASSESSMENT OF ELECTRICAL AND ELECTRONICS SYSTEMS | SRI MUSTAQ BASHA, SCIENTIST F, DRDO, LRDE, BENGALURU. | 27 |
| 12 | 14.07.2023 | MRTG PDSPL, Hyderabad, IEEE ATPSS | Technical | GENERATOR ROTOR WINDING, DESIGN & CONSTRUCTION, COMMON PROBLEMS & MAINTENANCE | SRI K. K. ROY, FORMER AGM & DIRECTOR OF TG, BHEL HYDERABAD | 230 |
| 13 | 23.07.2023 | EXECOM MEETING | Administrative | MEETING WITH IEEE HS ECM, SBC & ECM OF IEEE ATPSS | IEEE HS ECM, SBC & ECM OF IEEE ATPSS | 39 |
| 14 | 17.08.2023 | MRTG PDSPL, Hyderabad, | Technical | UNEXPECTED FAILURES OF GENERATOR ROTOR WINDINGS & EARLY DETECTION BY CONDITION ASSESSMENT TECHNIQUE | SRI P. G. S. KUMAR, TECHNICAL DIRECTOR MRGP | 18 |

55 29 February 2024



| Sl. No. | Date | Cosponsor | Event Type | Event Topic | Speaker(s) | Attendee |
|---------|------------|--|----------------|--|---|----------|
| 15 | 11.09.2023 | JNTUA CEA, Anantapuramu | Technical | Five Day PDP on DESIGN AND DEVELOPMENT OF POWER CONVERTERS FOR ELECTRIC VEHICLES | IIT, NIT & INDUSTRY | 30 |
| 16 | 09.10.2023 | VTS R10 Region | Administrative | VTS R10 Chapter Chairs Training - Hong Kong October 2023 | CHAPTER CHAIRS | 8 |
| 17 | 20.10.2023 | EXECOM MEETING | Administrative | MEETING WITH ECMS AND STUDENT BRANCH COUNSELORS. | IEEE ATPSS ECM | 12 |
| 18 | 25.11.2023 | ATPSS | Technical | SUSTAINABLE DEVELOPMENT GOAL FOR CLEAN AND GREEN ENERGY | Mr. V. VENKATA PRASAD, Sub-divisional Engineer, BSNL, Kurnool; Mr. M. Nageshwar Reddy, General Manager, PV projects, ORB Energy, Bengaluru; and Mr. E. Raghavendra Reddy, Senior Program Manager, SAP labs, Bengaluru shared insights | 264 |
| 19 | 02.12.2023 | MRTG PDSPL, Hyderabad, IEEE ATPSS | Technical | GENERATOR ROTORS & BEARING PROBLEMS EXPERIENCE IN OPERATION AND RELIABILITY PROBLEMS | SRI K. K. ROY, FORMER AGM & DIRECTOR OF TG, BHEL HYDERABAD | 12 |
| 20 | 10.12.2023 | IEEE VNRVJIET STB, JNTUA CEA STB, SAC HS | Technical | QUIZ ON QUALITY & RELIABILITY | DR. SWARNABAI ARNIKER, SECRETARY, RSC HYDERABAD | 518 |

56 29 February 2024



- Joint activities for membership development

Various joint activities have been initiated for membership development

- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section

We are helping the subsections to grow in terms of members and activities and became sections

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

IEEE Hyderabad Section has been continuously involved in introspecting on its own practices and guidelines and taken advantage of its very large volunteer base in evolving its practices.

Some of the key practices instituted by the Section are:

- Constitution of a Future Directions Committee to investigate the Section Vision, Mission, Goals, Objectives and methodologies to achieve them.
- Active involvement of Chapter Chairs and Subsection executives in Section deliberations – the monthly SEC meetings see large attendance.

In addition, the SEC meetings are open for online participation via WebEx.

This way, Subsections and Chapter representatives who are unable to travel to the venue or wish to be spared of the additional time and effort that takes, have been able to attend the meetings via two-way video and audio streams.

- Active participation of industry volunteers – almost all chapters have active volunteers in their Execom from the industry.
- Encouragement to Chapters to institute an annual Flagship event
- Inclusion of a brief IEEE pitch and membership development effort in each Chapter event
- Effort to increase Society membership by providing preferential pricing, and in cases exclusive participation, to Society members in Chapter workshops.
- Annual face-to-face event involving all Section, Subsection, and Chapter committee members to reinforce processes, impart basic training on the use of vtools, and alignment to Section Vision and Mission

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

IEEE Hyderabad Section has following suggestions to make things better

- A problem the Section is facing is on a sizeable number of Student Branches that are dormant. To remedy this – our constant effort is to revive the Student Branch Chapters by working with respective schools. However, there are some colleges which are not operational, we are working with respective Schools. Additional volunteers have been placed in the Students Activities Committee with separate representatives from different geographical areas within the Section in order to better reach out to the Student Branches. This should be continuously monitored and revived.
- A common problem is the retention of student members as regular members following their graduation. It is seen that the Value Proposition of IEEE membership is different for students Vs corporate employees. A remedy identified is to focus on industry participants in Section and Chapter events and provide for the needs of fresh entrants into the industry.
- It is observed that some of the chapters were unable to raise funds and grants to drive programs. Section feels putting up some formal guidance tutorials in raising grants by every chapter and ensure they get adequate support in delivering innovative, social beneficial and humanitarian programmes to the community.
- In the area of Conferences technically co-sponsored by the Section, there are several challenges faced, including that of maintaining the IEEE brand, quality and originality of the material, and obtaining enough sponsorship and attendance. The Section has instituted a Conference Committee to oversee acceptance of technical co-sponsorship of conferences and has laid out guidelines for the proper running of the conference including recommendations of the constitution of the Technical Programme Committee with participation of Section and Chapter volunteers

PART D - GOALS AND PLANS

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

IEEE Hyderabad Section instituted a Future Directions Committee (FDC) under the leadership of C Satish to examine, introspect, and put forth the Section's Vision, Mission, Goals and Objectives that would guide all activities of the Section in the years to come.

IEEE Hyderabad Section is meticulously planning events for every class of IEEE member and putting up the programmes which are contemporary in nature. Every Society, Joint Chapters, Affinity Groups, Student

Chapters are putting up constant efforts to drive the same through

- Technical Seminars
- Webinars and Podcasts
- Contests and Hackathons
- Workshops
- Symposiums and Colloquiums
- Professional Development Programs
- Summits
- Student Congress Events
- Mentorship program for students through IEEE Hyderabad Senior Members
- Entrepreneurship and Startup committee
- STEM activities for rural areas

D.2 Goals and Future Plans

Based on Future Direction Committee guidance, following Goals are worked upon by IEEE Hyderabad Section

To Develop and Promote Industry Engagement and To promote industry engagement Measures

- Driven through society, take feedback as to desired events, along with industry conduct events in proximity
- IEEE section should be one of the professional bodies that Govt. seeks advise from and be invited to be part of any Govt. initiatives
- Promote continuous education (certifications).
- Change the branding to show that it is for industry only.
- Promotion of awareness of relevant IEEE Standards to the industry (driven by the Chapters).
- Promote to management of the companies to support IEEE involvement.
- Collaboration with local bodies for training based on IEEE content and standards.
- Increase success rate of entrepreneurship

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

Following Goals were planned to sustain membership retention and drive higher recruitment To increase technical Society membership

Measure: 10% Increase society membership in 2 years

- Offer local incentives- discounts for local events. Early bird discounts
- Reach out membership development from industry- absence of industry

- Target IEEE members who are not society members through awareness– they do not know benefits of society.
 - Ask what they want – by society, Identify topics broad topics that the professionals are interested and conduct programs in that – through survey etc.
 - Increased access to digital libraries specific to society.
- Evangelize importance of being full member
- More Student Transition & Elevation Program (STEP) events with measurable outcomes.
 - Promote membership afresh, not talk of “transition”. See benefits as any other professional membership. Focus only on increasing professional membership. As part of ongoing efforts to increase membership.
 - More contests like all India Student Project Contest– which is more like an Academia-Industry interaction.
 - Mentor network – needs to be publicized and strengthened
 - Evangelize IEEE membership among the industry
 - Faculty advisors and mentors have to be educated to promote

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

IEEE Hyderabad Section promoting the VOLT for Volunteer Leadership both for academia and industry.

Also focusing on Grants to drive high quality engaging programs with the participation of industry. This helps to enable sponsorship and make the entire channel of programs accessible for the entire community

Concluding Remarks

The recommendations of Future Directions Committee are given to the Section Executive Committee and they were all honored to be implemented. Chapters, AGs and Subsections and start a dialogue with them through various channels like newsletter, web site and direct mail.

The objective is to develop detailed measures, procedures, priorities to set up to reach the goals. The SEC will assign responsibilities for implementation. The main criterion for approving and continuing all proposals will hereafter be whether they satisfy the Sections mission. The SEC will monitor performance and results. Mission and vision statements are long term, but goals and measures can be modified and given up (where they don't work) even in the short term