IEEE Uttar Pradesh Section Annual Report 2024

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Advisor, IEEE UP Section

Message

Wishing you all a Very Happy, Prosperous, Healthy and Successful New Year 2025 !!

I wish to convey my heartfelt greetings and best wishes in the form of this message to all the members of the IEEE Uttar Pradesh (UP) Section and other readers of the 2024 Annual Report of the IEEE Uttar Pradesh section. Personally, I am very close to the UP section, as this is my parent section, and I started my journey of IEEE in India from this section only. I was very closely associated with the IEEE UP section in various capacities and witnessed the growth and vibrancy of this section in almost all facets of the activities. Needless to mention, in the last few years, this section has been growing like anything. In terms of the IEEE-related promotions, membership development, professional, technical, non-technical, social, networking, SIGHT, WIE, YP, students and other activities, the section made a positive print, which is really distinct and eye-catching for all of us. As far as professional and ethical practices are concerned, the section is following a good benchmark and the best practices of the IEEE. Section owns many awards from the IEEE India Council, IEEE R10 and IEEE HQ. The section is associating so many young engineers, which is certainly beneficial for the research and development culture of the country and the society at large. I think that the growth of the section is unstoppable now. I hope the section will continue to support all the IEEE members and keep promoting the real technical interests among the young minds of the section. The leadership under the UP Section Chair, Prof Yogesh Singh Chauhan, will add some more feathers to it with the support of the ExCOM and its members.

My best wishes for the ever growth of the section.

Prof. Sri Niwas Singh
Advisor, IEEE UP Section
&
Director, ABV- IIITM, Gwalior

Advisor, IEEE UP Section

Message

IEEE UP Section grows amongst the largest communities in India and abroad, notably with distinguished awards and recognitions from India and abroad. Despite being the largest, it all started as a humble journey under the leadership of visionaries like Prof. SN Singh who motivated me to join this enriching journey as well. The section has grown beyond definition, while setting up new benchmarks for technical communities pan India, while keeping pace with the current technology revolution. This year saw some of the biggest developments in Artificial Intelligence & its widespread recognition and acceptance. The section organized conferences, symposiums, workshops, webinars and discussions at institution, department and community level to enhance the activity and amplify the reach of the section.

Starting the year with CBDE Programs by NITs and IITs it improved outreach of section in opening new avenues for research & webinars bringing in expert speakers from around India. Participation in FLAME 2024 at Amity University opened up collaborations to lead ongoing research in material development. MNNIT Startup Sangam 2024 was another platform which helped bridging illustrates translation research for the section. The innovation became a core discussion during foundational meetings at HBTU TBI FOUNDATION. The support from section via access to experts from diverse fields made this innovation come to life. The highlight of the year was AICSSYC 2024 that brought experts from around the globe to witness innovation & translational research to action where I represented the section, building networks and sharing success stories of our section.

I am certain the section will nurture IEEE members and lead genuine technical interests among the youth. With Prof. Yogesh Singh Chauhan serving as the UP Section Chair, and with the support of committee members, I am confident that we will achieve greater milestones in the year 2025 and ahead.

As we approach the New Year, I extend my best wishes for continued growth, success, and collaborations. 2025 will bring new opportunities, advancements and challenges for us to win and conquer them all!

Prof. J. Ramkumar
Advisor, IEEE UP Section
Dean, Infrastructure and Planning, Prof. (HAG) Dept. of ME & Design, IIT Kanpur

Chairman, IEEE UP Section

Message

Wishing You a Very Happy, Prosperous, Healthy, and Successful New Year 2025!

Dear Members of the IEEE Uttar Pradesh Section and Readers of the 2024 Annual Report,

It is my privilege to extend warm greetings and heartfelt wishes for the New Year to all of you. The IEEE Uttar Pradesh Section, being my parent section, holds a special place in my heart. Over the years, I had the honour of witnessing its remarkable growth and unwavering commitment to fostering technical, professional, and social excellence.

The section's impact has been profound, especially in areas such as membership development, Women in Engineering, Young Professionals, Special Interest Group on Humanitarian Technology (SIGHT), student activities, workshops, and conferences. This commitment to excellence and adherence to ethical practices has earned the section numerous accolades from the IEEE India Council, Region 10, and IEEE Headquarters.

In 2024, the IEEE UP Section achieved several significant milestones, including hosting the Conference Quality & Management Workshop sponsored by IEEE Region 10 and the Startup Sangam at MNNIT, which fostered innovation and strengthened partnerships. These initiatives have amplified the section's influence, brought together professionals from diverse domains, and contributed to shaping the future of engineering and technology. The section's contribution to national development and engineering excellence is truly commendable.

As we step into 2025, I am confident that the IEEE Uttar Pradesh Section will continue to inspire the next generation of engineers, foster meaningful collaborations, and achieve even greater milestones. With its strong foundation, visionary leadership, and vibrant community of dedicated members and volunteers, the section is poised to seize new opportunities and address future challenges with determination and innovation.

I extend my heartfelt gratitude to all the members and volunteers who have tirelessly contributed to the growth and success of the section. Together, we can continue to build a brighter, more innovative future, embodying the spirit of "Advancing Technology for Humanity."

Prof. Yogesh K. Chauhan

Chairman, IEEE UP Section

Professor, IIT Kanpur

Chair-Elect, IEEE UP Section

Message

Greetings and best wishes to all the members of the IEEE UP section and the other readers of the annual report for 2024

Association with IEEE in general and the UP section in particular has been a privilege and a great learning experience. Being one of the most trusted platforms on Engineering and Technology, the contributions of IEEE to the society have been exceptional. At any point of time the society is faced with challenges and to address these challenges people with the knowledge, understanding and professional skills are required. Professional societies have an important role to play in providing such people, called engineers. A professional society should fulfill this role and responsibility principally by setting standards of professional competence and both encouraging and assisting engineers to achieve and maintain those standards. In line with this requirement the motto of IEEE is 'Advancing Technology for Humanity'.

IEEE, for the past 140 years, has been using its influence, knowledge, and expertise for serving the society. IEEE, at present, has over 4,60,000 members in more than 190 countries, more than 66 percent from outside the United States, its place of origin. The society operates through 344 Sections in ten geographic Regions worldwide. The focus on grooming future leaders and technocrats can be gauged from the fact that IEEE has 3,635 Student Branches at colleges and universities in over 100 countries with more than 1,71,000 Student members. The IEEE Xplore is a global repository of science, engineering and technology content that hosts more than 6 million documents.

Keeping pace with the global developments the UP section of IEEE has been contributing to the engineering profession and the national development. The growth of the section in the last decade has been phenomenal as reflected by the number of people, and institutes/organizations- along with their geographic diversity- associated and actively involved with it. The section has been actively supporting various type of activities under the mandate of IEEE including, SIGHT, WIE, YP activities also.

I am sure that with a strong foundation and committed leadership IEEE UP section shall keep growing and contributing to the society in the future also.

Wish you all a very happy new year 2025.

Prof. Mohammad Rihan
Chair-Elect, IEEE UP Section
Professor, Electrical Engineering, AMU, Aligarh
Director General, National Institute of Solar Energy, Gurugram

Immediate Past Chair, IEEE UP Section

Message

2024 की वार्षिक रिपोर्ट के लिए IEEE उत्तर प्रदेश अनुभाग के तत्काल पूर्व अध्यक्ष के रूप में यह संदेश लिखते हुए मुझे अत्यधिक प्रसन्नता हो रही है।

हमारे निरंतर प्रयासों ने IEEE उत्तर प्रदेश अनुभाग को उत्कृष्टता के मामले में सबसे आगे रखा है, और IEEE क्षेत्र 10 (एशिया-प्रशांत) में अपनी अग्रणी स्थिति बनाए रखी है। सदस्यता वृद्धि के संदर्भ में, हम वर्ष 2024 में फिर से 5,000 को पार कर गया। इस वृद्धि में वरिष्ठ सदस्य उन्नयन, छात्र सदस्य/स्नातक छात्र सदस्य और पेशेवर सदस्यता में साल-दर-साल महत्वपूर्ण वृद्धि शामिल है।

हमारी उल्लेखनीय वृद्धि के अलावा, अनुभाग ने प्रत्येक वर्ष अपने प्रमुख कार्यक्रम UPCON कॉन्फ्रेंस की सफलतापूर्वक मेजबानी की और आम सभा की बैठकों सहित कई कार्यकारी समिति की बैठकें आयोजित कीं। सदस्यों को शामिल करने और उनका समर्थन करने के लिए कई पहलों को क्रियान्वित किया गया। इन आत्मीयता समूहों को उनकी गतिविधियों के लिए वार्षिक छूट मिली और उन्होंने हमारे अनुभाग के जीवंत पारिस्थितिकी तंत्र में योगदान दिया। हमारे स्वयंसेवकों की अटूट लगन और कड़ी मेहनत इन उपलब्धियों के पीछे प्रेरक शक्ति रही है, और मैं उनमें से प्रत्येक के प्रति अपनी गहरी कृतज्ञता व्यक्त करता हूँ।

IEEE उत्तर प्रदेश अनुभाग तीव्र गति से आगे बढ़ रहा है, और मुझे विश्वास है कि यह गति 2025 और उसके बाद भी जारी रहेगी। जैसा कि हम एक आशाजनक भविष्य की ओर देखते हैं, मैं अपने सभी सदस्यों और स्वयंसेवकों को 2025 की बहुत-बहुत खुशहाल और समृद्ध नव वर्ष की शुभकामनाएँ देता हूँ।

प्रो. सतीश के. सिंह
पूर्व अध्यक्ष, आईईईई यूपी सेक्शन
प्रोफेसर, आईआईआईटी इलाहाबाद प्रयागराज

Past Chairman, IEEE UP Section

Message

It fills me with immense pride to reflect on the remarkable achievements of the IEEE Uttar Pradesh Section in 2024. As section IEEE volunteer, I have witnessed the unwavering dedication of our members, volunteers, and executive committee in driving innovation, fostering collaboration, and promoting technical excellence across the section.

The year 2024 marked significant milestones for our section, with an impressive array of events, activities, and initiatives aimed at empowering our members and enriching their professional journeys. The Awards and Recognition Committee played a pivotal role in celebrating the contributions of our volunteers, ensuring their efforts receive the recognition they truly deserve.

I extend my heartfelt gratitude to all the members and volunteers who have contributed to the growth and vibrancy of the IEEE UP Section. It is through their commitment and passion that we continue to inspire future leaders and achieve greater heights.

Let us carry this momentum forward into 2025 and beyond, fostering innovation, inclusivity, and excellence in all our endeavours.

Prof. Asheesh K. Singh
Chair, Awards and Recognition Committee 2024,
Past Chair, IEEE Uttar Pradesh Section (2019 & 2020)

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PART A – Section Summary

A.1 Executive Summary 2024

It is my immense pleasure to extend a warm welcome to all esteemed members to the Annual General Meeting (AGM) 2024 of the IEEE Uttar Pradesh Section. I sincerely thank each one of you for your unwavering dedication and active participation throughout the year. This meeting serves as both a celebration of our collective accomplishments and a testament to our shared commitment to advancing technology for the benefit of society.

Over the past year, the IEEE Uttar Pradesh Section has made remarkable progress through impactful initiatives, including workshops, seminars, and collaborative events. The key activities included the WIE planning meeting to empower women, a session on automotive health monitoring, technical talks on emerging technologies, and membership development efforts to expand our community. A major milestone was hosting the Industry-Academia Partnership Conclave 2024, fostering collaboration among young engineers, students, global industries, and premier Indian institutions. The Annual General Meeting offers a platform to reflect on achievements, strategize for the future, and gather insights to ensure our section continues to lead in the dynamic field of technology.

I sincerely thank all members for attending this meeting. Let us take this opportunity to engage in meaningful discussions, strategize, and innovate, to keep our section leading and inspiring in electrical, electronics, and computer engineering.

Wishing all of you a joyful, prosperous, healthy, and successful New Year 2025!!

Prof. R. K. Singh
Secretary, IEEE UP Section
Professor & HoD, EE Department, IIT BHU Varanasi

A.1.1 Executive Committee Members

Office Bearers

#	Name	Position	Affiliation
1	Prof. Yogesh K. Chauhan	Chairperson	IIT Kanpur
2	Prof. Satish Kumar Singh	Immediate Past Chair	IIIT Allahabad Prayagraj
3	Prof. Mohammad Rihan	Chair Elect	AMU Aligarh
4	Prof. Avadhesh Kumar	Vice-Chairperson	Galgotias University, Greater Noida
5	Prof. R. K. Singh	Secretary	IIT BHU Varanasi
6	Prof. Varun Kakar	Joint Secretary	BTKIT Dwarahat
7	Prof. Raghvendra K. Chaudhary	Treasurer	IIT Kanpur

Committee Chairs

#	Name	Position/ Committee
1	Prof. S. N. Singh IIT Kanpur	Advisor, IEEE UP Section
2	Prof. J. Ram Kumar IIT Kanpur	Advisor, IEEE UP Section
3	Prof. Asheesh Kumar Singh MNNIT Allahabad Prayagraj	Chair, Awards and Recognition Committee
4	Prof. Bhavesh Chauhan SRMCEM, Lucknow	Chair, Membership Development Committee
5	Dr. Gaurav Mittal DEAL Dehradun	Chair, Professional Activities Committee
6	Prof. Twinkle Tripathi IIT Kanpur	Chair, Educational Activities Committee
7	Prof. Varun Kakar BTKIT Dwarahat	Chair, Conference Activities Committee
8	Prof. Arun K. Singh REC Kannauj	Chair, Humanitarian Technology Activity Committee

9	Prof. Prabhakar Tiwari MMMUT Gorakhpur	Chair, Student Activities Committee
10	Prof. Pushpendra Kumar REC Banda	Chair, Publications and Section History Committee
11	Prof. Somak Bhattacharyya IIT BHU Varanasi	Chair, Electronic Communication Activities Committee
12	Prof. Avirup Dasgupta IIT Roorkee	Chair, Young Professionals & Student Coordination Activities Committee
13	Prof. Smita Sharma NIELIT Noida	Chair, Women in Engineering Activities Committee
14	Dr. Abhishek Nigam HCL Tech. Greater Noida	Chair, Industry Relations Activities Committee
15	Prof. Rajat K. Singh IIIT Allahabad Prayagraj	Chair, Sub-Section Coordination, Outreach & Strategic Planning Activities Committee
16	Prof. Shubham Shahay IIT Kanpur	Chapter Chair, EDS
17	Prof. Akhilesh Tiwari IIIT Allahabad Prayagraj	Chapter Chair, Photonics
18	Prof. Rafik Ahmad BBDITM, Lucknow	Chapter Chair, BBDITM Lucknow

Sub-Section Chairperson

#	Name	Sub Section
1	Prof. Dharmendra Singh IIT Roorkee	Chairperson, Roorkee subsection

Other Executive Committee Members

#	Name	Position
1	Prof. K. V. Srivastava IIT Kanpur	Ombudsman, IEEE UP Section
2	Dr. Anubhav Kumar IIT Kanpur	Webmaster
3	Ms. Alka Dileep IIT Kanpur	Section Student Representative (SSR)

4	Prof. Smita Sharma NIELIT Noida	Co-opted Member
5	Prof. Sanjay Singh IIT BHU	Co-opted Member
6	Prof. Jay Singh GL Bajaj ITM Greater Noida	Co-opted Member

A.1.2   Ad-hoc Committee on Section Growth & Future Directions

#	Name	Position
1	Prof. S. N. Singh IIT Kanpur	Chairperson
2	Prof. K. V. Srivastava IIT Kanpur	Member
3	Prof. Asheesh K. Singh MNNIT Allahabad Prayagraj	Member
4	Prof. Satish K. Singh IIIT Allahabad Prayagraj	Member
5	Prof. Ekram Khan AMU Aligarh	Member
6	Prof. R. K. Dwivedi TMU Moradabad	Member
7	Prof. Vinay Rishiwal MJP Rohilkhand Univ.	Member
8	Prof. Pramod Kumar SRMU Jollygrant Dehradun	Member
9	Prof. Ajay Rana Amity University Gr Noida	Member

A.1.3   Details of Executive Committee Meetings

#	Meetings	Venue	Date	Mode
1	1st Exe. Com. Meeting	Galgotia University Greater Noida	10th Feb 2024	Physical

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2	2nd Exe. Com. Meeting	-----	16th Mar 2024	Virtual
3	3rd Exe. Com. Meeting	Graphic Era University (Deemed to be)	27th Apr 2024	Hybrid
4	4th Exe. Com. Meeting	-----	23th Jun 2024	Virtual
5	5th Exe. Com. Meeting	IIT BHU Varanasi	04th Aug 2024	Physical
6	6th Exe. Com. Meeting	ABV- IIITM Gwalior	29th Sep 2024	Hybrid
7	7th Exe. Com. Meeting	IIIT Allahabad Prayagraj	19th Oct 2024	Hybrid
8	8th Exe. Com. Meeting	MMMUT Gorakhpur	22nd Nov 2024	Hybrid
9	9th Exe. Com. Meeting	SRMCEM Lucknow	01st Dec 2024	Hybrid
10	10th Exe. Com. Meeting	Agra	12th Jan 2025	Physical

A.2 Section Highlights 2024

Over the past few years, the IEEE Uttar Pradesh Section has consistently grown in membership and activities. In 2024, our membership strength reached an impressive 5,000, and we successfully organized over 2,750 events throughout the year, marking new milestones for our section. The IEEE UP Section continues to be one of the most vibrant sections in India and the Region 10 (R10) network. A brief overview of the section is as follows:

A.2.1   Section Statistics

#	Details	# Numbers
1	Subsection	01
2	Society Chapters/ Jt. Chapters	22
3	Affinity Groups at Section Level	02
4	Student Branches	118
5	Members	5068
6	Events/ Activities conducted	3065
7	Conferences sponsored (Financially/ Technically)	40

Yaer to Year No. of Members

Year To Year Nos. of Events

Year to Year Sponsored Conferences

Year To Year ExeCom Meetings
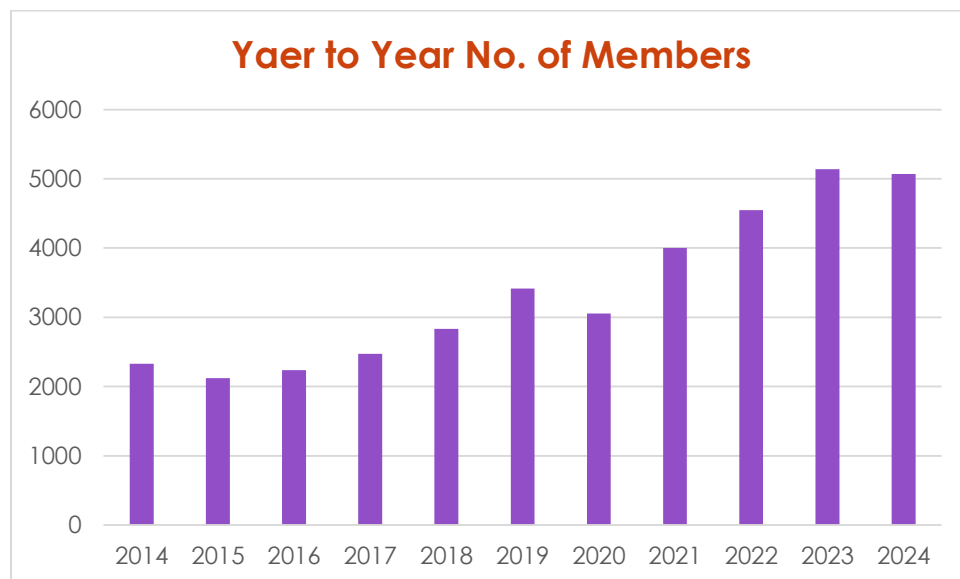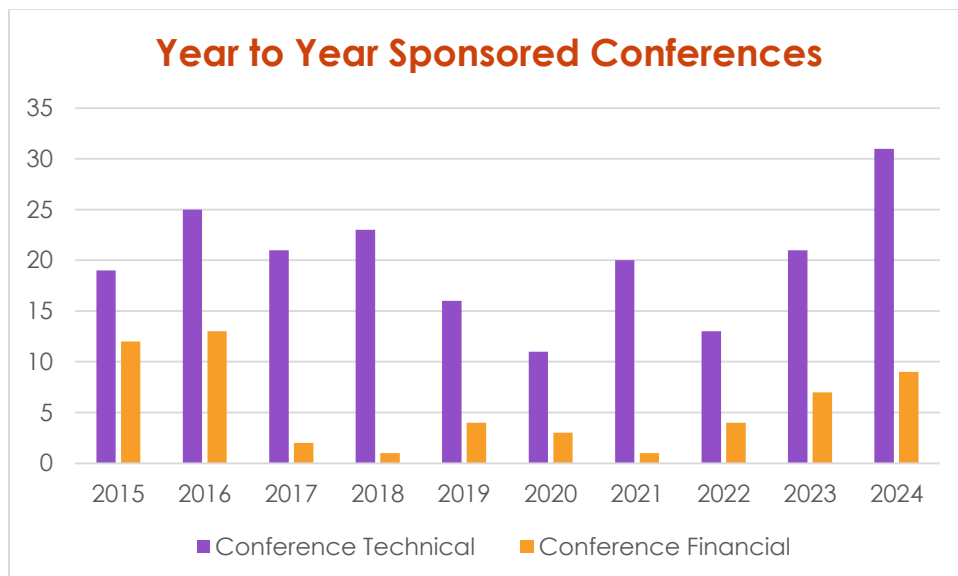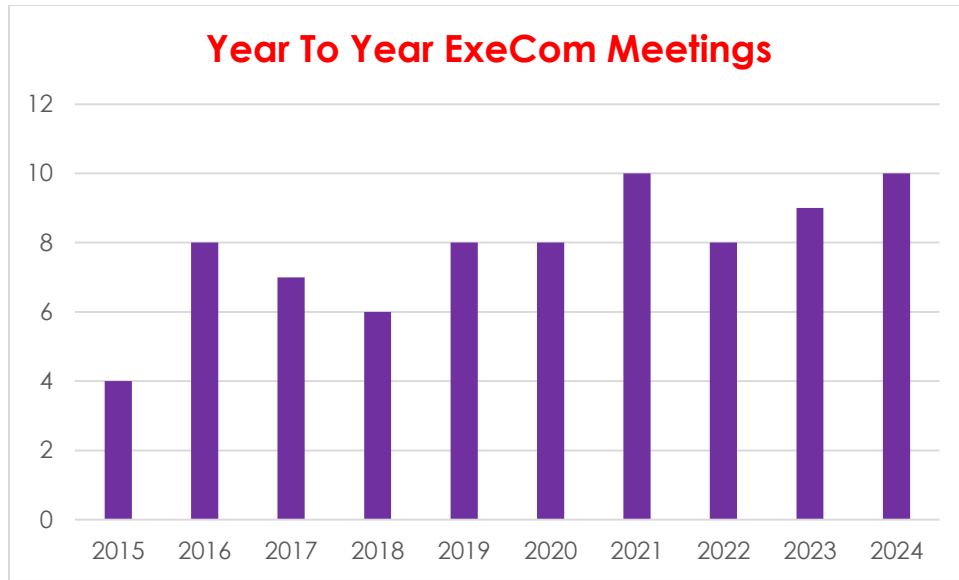
A.2.2 Membership Statistics

#	Details/ Grade of Membership	#Members	Gender %
1	Life Fellow	02	
2	Fellow	04	**(A) Female-**
3	Life Senior Member	08	**1528, 30.15%**
4	Senior Member	515	
5	Life Member	01	**(B) Male-**
6	Member	1422	**3345, 66.00%**
7	Graduate Student Member	803	
8	Student Member	2259	
9	Associate Member	46	**(C) Gender**
10	Affiliate Member	07	**Unknown- 195,**
11	SA Member	01	**3.85%**
	Total Members	5068	

A.2.3 *Membership Statistics by Society 2024*

#	Name of the society	# Members
1	Aerospace and Electronic Systems Society	35
2	Antennas and Propagation Society	203
3	Broadcast Technology Society	43
4	Circuits and Systems Society	170
5	Communications Society	269
6	Computational Intelligence Society	87
7	Computer Society	422
8	Consultants Network	186
9	Consumer Technology Society	06
10	Control Systems Society	39
11	Dielectrics and Electrical Insulation Society	13
12	Education Society	83
13	Electromagnetic Compatibility Society	09
14	Electron Devices Society	138
15	Electronics Packaging Society	83
16	Engineering in Medicine and Biology Society	33
17	Geoscience and Remote Sensing Society	89
18	Industrial Electronics Society	90
19	Industry Applications Society	217
20	Information Theory Society	19
21	Instrumentation and Measurement Society	15
22	Intelligent Transportation Systems Society	02
23	Magnetics Society	54
24	Microwave Theory and Technology Society	276
25	Nuclear and Plasma Sciences Society	02

26	Oceanic Engineering Society	12
27	Photonics Society	57
28	Power Electronics Society	155
29	Power & Energy Society	271
30	Professional Communication Society	01
31	Reliability Society	52
32	Robotics and Automation Society	109
33	Signal Processing Society	244
34	Society on Social Implications of Technology	04
35	Solid-State Circuits Society	31
36	Systems, Man, & Cybernetics Society	14
37	Technology & Engineering Management Society	03
38	Ultrasonics, Ferroelectrics, and Frequency Control	05
39	Vehicular Technology Society	120
41	Women in Engineering	1048
41	Young Professionals	1601
Total Members		6310

A.2.4   *List of Section Society Chapters/ Affinity Groups*

#	Name of Section Society Chapter/ Affinity Group
1	Uttar Pradesh Section Chapter, C16
2	Uttar Pradesh Section Chapter, CIS11
3	Uttar Pradesh Section Chapter, ED15 Kanpur
4	Uttar Pradesh Section Chapter, MTT17
5	Uttar Pradesh Section Chapter, NANO42
6	Uttar Pradesh Section Chapter, RA24
7	Uttar Pradesh Section Chapter, AES10

8	Uttar Pradesh Section Chapter, AP03
9	Uttar Pradesh Section Chapter, CAS04- Roorkee
10	Uttar Pradesh Section Chapter, COM19
11	Uttar Pradesh Section Chapter, CS23
12	Uttar Pradesh Section Chapter, ED15 Nepal
13	Uttar Pradesh Section Chapter, EP21
14	Uttar Pradesh Section Chapter, GRS29
15	Uttar Pradesh Section Chapter, IA34
16	Uttar Pradesh Section Chapter, PE31
17	Uttar Pradesh Section Chapter, PEL35
18	Uttar Pradesh Section Chapter, PH036
19	Uttar Pradesh Section Chapter, SEN39
20	Uttar Pradesh Section Chapter, SP01
21	Uttar Pradesh Section Jt. Chapter, IE13
22	Uttar Pradesh Section Chapter, CAS04/SSC37
23	Uttar Pradesh Section Affinity Group, WIE
24	Uttar Pradesh Section Affinity Group, YP
25	Uttar Pradesh Section SIGHT

A.2.5 *List of newly established Section Chapters/ SBs/ SBCs etc.*

#	Name of OU	Category	Date of Establishment	Geo Code
1	EPS UP Section Chapter	Section Chapter	19 April 2024	CH11113
2	Babu Banarasi Das University-Lucknow	Student Branch (SB)	29 Sep 2024	STB60225135
3	S. R. Institute of Management & Technology-Lucknow		08 Feb 2024	STB60219265

#	Name	Type	Date	ID
4	The Ashoka Institute of Technology and Management		17 Mar 2024	STB60219648
5	S. R. Institute of Management & Technology-Lucknow Power Electronics Society	Student Branch Chapter (SBC)	04 April 2024	STB60219265C
6	S. R. Institute of Management & Technology-Lucknow Power & Energy Society		06 April 2024	STB60219265D
7	S.R. Institute of Management & Technology-Lucknow Computer Society		19 May 2024	STB60219265E
	BTKIT EPS Student Branch Chapter		20 June 2024	SBC12461
8	Lloyd Inst of Engin & Techn Signal Processing Society		22 July 2024	SBC60209325
9	Noida Institute of Engineering & Technology Signal Processing Society		27 Oct 2024	SBC60049987
10	Buddha Institute of Technology WiE Affinity Group	Student Branch Affinity Group (SB AG)	20 Mar 2024	SBA60204165
11	S. R. Institute of Management & Technology WiE Affinity Group		06 June 2024	SBA60219265A
12	The Institute of Engineering & Technology – Lucknow WiE Affinity Group		13 June 2024	SBA62961

A.2.6   *Top Five Largest Student Branches*

#	Name of Student Branch	#Members
1	Indian Inst of Technology-Roorkee	200
2	Indian Inst of Technology-Kanpur	148
3	GL Bajaj Inst of Tech & Mgmt	119
4	Galgotias University	112
5	Zakir Hussain Coll of Engineering & Tech	83

A.2.7   *Conferences sponsored (technically/ financially)*

#	Name of the Conference	Organizing Institute	Date
1	14th International Conference on Cloud Computing, Data Science and Engineering (Confluence-2024)	Amity University, Noida	Jan 18-19, 2024
2	5th International Conference on Computing, Power and Communication Technologies (IC2PCT- 2024)	Galgotia University, Gr Noida	Feb 09-10, 2024
3	4th International Conference on Innovative Practices in Technology and Management (ICIPTM-24)	Amity University, Noida	Feb 21-23 2024
4	3rd international conference on power Electronics and IoT application in renewable energy and its Control (PARC-2024)	GLAU, Mathura	Feb 23-24, 2024
5	11th International Conference on Reliability, Infocom Technologies, and Optimization (Trends and Future Directions) (ICRITO-2024)	AIIT, Amity University, Noida	March 14-15, 2024
6	International Conference on Automation & Computation (AutoCom-2024)	Graphic Era Hill University, Dehradun	March 14-16, 2024
7	2nd International Conference on Device Intelligence, Computing and Communication Technologies, (DICCT-2024)	Graphic Era Deemed to be University, Dehradun	March 15-16, 2024
8	2nd International Conference on Disruptive Technology (ICDT-2024)	GL Bajaj ITM, Greater Noida	March 15-16, 2024
9	1st International Conference on Innovative Sustainable Technologies for Energy, Mechatronics, and Smart Systems (ISTEMS-2024)	Graphic Era Deemed to be University, Dehradun	April 26-27, 2024
10	1st IEEE International Conference on Smart Devices (ICSD-2023)	UIT, Uttaranchal University, Dehradun	May 2- 3, 2024
11	International Conference on Communication, Computer Sciences and Engineering (IC3SE)	Amity University Greater Noida	May 9- 11, 2024
12	4th International Conference on Advanced Computing and Innovative Technologies in Engineering (ICACITE-2024)	Galgotias College of Engineering and Technology, Greater Noida	May 14- 15, 2024
13	2nd International conference on computing, electrical and electronics engineering (IC2E3-2024)	NIT Srinagar, Garhwal, Uttarakhand	Jun 6-7, 2024
14	8th Students' Conference on Engineering and Systems (SCES-2024)	EED, MNNIT Allahabad	Jun 21-23, 2024

15	International Conference on Sustainable Computing and Integrated Communication in Changing Landscape of AI (ICSCAI-2024)	Lloyd institute of Engineering & Technology, Gr Noida	July 4-6, 2024
16	3rd International Conference on Control, Computing, Communication and Materials (ICCCCM-24)	UCER, Naini, Prayagraj	Aug 10-11, 2024
17	International Conference on Advanced Computing and Emerging Technologies 2024 (ACET-2024)	AKGEC, Ghaziabad	Aug 23-24, 2024
18	IEEE International conference on Electrical, Electronics and Computing Technologies (ICEECT-2024)	Sharda University, Greater Noida	Aug 29-31, 2024
19	International Conference on Artificial Intelligence and Emerging Technology during (AAAA- 2024) and Global AI Summit	School of Computer Science Engineering & Technology, Bennett University, Gr Noida	Sept 4-6, 2024
20	International Conference on Signal Processing and Advance Research in Computing (SPARC-2024)	Amity University, Lucknow	Sep 12- 13, 2024
21	6th International Conference on Contemporary Computing and Informatics (IC3I-2024)	Amity University, Greater Noida	Sept 18-20, 2024
22	International Conference on Communication, Computing and Energy Efficient Technologies (I3CEET-2024)	Galgotias College of Engineering and Technology, Gr Noida	Sept 20-21, 2024
23	2nd International Conference on Microwave, Antenna and Communication (MAC-2024)	MNNIT Allahabad Prayagraj at Dehradun	Oct 4-6, 2024
24	3rd International Conference on Computer Vision and Machine Intelligence (CVMI-2024)	IIIT Allahabad Prayagraj	Oct 19-20, 2024
25	International Conference on Computing, Sciences and Communications 2024 (ICCSConf-2024)	ABES Engineering College, Ghaziabad	Oct 24-25, 2024
26	International Conference on Cybernation & Computation (CYBERCOM-24)	Graphic Era Hill University Dehradun	Nov 15- 16, 2024
27	2nd IEEE International Conference on computational and characterization Techniques in Engineering & Sciences (CCTES-24) (IC3TES)	Integral University, Lucknow	Nov 15- 16, 2024
28	27th International Symposium on Wireless Personal Multimedia Communications (WPMC-2024)	Sharda University, Gr Noida	Nov 17- 20, 2024

29	2nd International Conference on Advancements and Key Challenges in Green Energy and Computing (AKGEC 2024)	AKGEC, Ghaziabad	Nov 21-23, 2024
30	4th International Conference on 'Advancement in Electronics & Computer Engineering' (AECE 2024)	RKGIT, Ghaziabad	Nov 22-23, 2024
31	3rd IIEEE International Conference on Advances in Computing, Communication and Materials (ICACCM-2024)	Tulas Institute Dehradun	Nov 22-23, 2024
32	2nd International Conference on IoT, Communication and Automation Technology (ICICAT-2024)	Buddha Institute of Technology, Gorakhpur	Nov 23-24, 2024
33	2024 11th IEEE International Conference on Electrical, Electronics and Computer Engineering (UPCON-2024)	SRMCEM Lucknow	Nov 29- Dec 01, 2024
34	13th International Conference on System Modeling & Advancement in Research Trends (SMART-2024)	TMU Moradabad	Dec 06- 07, 2024
35	Conference on Communication Control and Intelligent Systems (CCIS 2024)	GLA University Mathura,	Dec 06- 07, 2024
36	8th International Conference on Information and Communication Technology (CICT)	IIIT Allahabad, Prayagraj	Dec 06- 08, 2024
37	1st International Conference on Advances in Computing, Communication and Networking – ICACCN (ICAC2N 2024)	ITS Engineering College, Gr Noida.	Dec 16- 17, 2024
38	1st International Conference on Emerging Technologies and Innovation for Sustainability- EmergIN' 2024	NIET, Greater Noida	Dec 20-21, 2024
39	4th International Conference on Power Energy Environment and Intelligent Control (PEEIC-2024)	GL Bajaj Institute of Technology & Management, Gr Noida	Dec 24- 28, 2024
40	4th International Conference on Innovative Sustainable Computational Technologies (CISCT-2024)	Graphic Era Deemed to be University, Dehradun	Dec 27-28, 2024

A.2.8 *Number of Events Organized under different categories*

#	Event Category	Event Subcategory	# Numbers
1	Professional	Continuing Education	301
		Professional Development	
		Industry Relations	
		Other Professional	
2	Technical	Technical	1643
3	Nontechnical	Social	805
		Award Dinner	
		Pre-University Activities	
		Other non-technical	
4	Administrative	EXECOM	113
		Officer Training	
5	Humanitarian	SIGHT	190
		Other Humanitarian	
6	Pre-U STEM Program	Pre-U STEM Program	13
7		Total	3065

A.3 Year-on-Year Performance of the Section

A.3.1 Number of members

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Member	2328	2123	2237	2473	2834	3414	3055	4000	4546	5138	5068

A.3.2 Fund as of 31st December (excluding the FDR)

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Balance on 31st Dec (in INR)	14,31,208	13,89,531	15,63,309	20,88,729	21,74,228	37,62,660	46,09,915	58,03,989	78,11,875	81,37,529

A.3.3 Conferences, Events, and Executive Committee Meetings

Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Conference Technical	19	25	21	23	16	11	20	13	21	31
Conference Financial	12	13	2	1	4	3	1	4	7	9
Events	135	150	235	280	875	874	1183	1548	2792	3065
ExeCom Meetings	4	8	7	6	8	8	10	8	9	10

A.4 Awards 2024

A.4.1   G. K. Dubey Memorial Award

IEEE UP Section has constituted the G. K Dubey Memorial Lifetime Achievement Award to recognize section IEEE volunteers who have put immense efforts into the growth of the IEEE UP Section over the years. Without whom, it wouldn't have been possible for us to grow. The G. K. Dubey Memorial Award 2024 has been conferred to **Prof. Animesh Biswas, Department of Electrical Engineering at IIT Kanpur.**

A.4.2   Other Section Awards

These awards are presented to recognize active IEEE volunteers' outstanding contributions and dedication within the section. For the year 2024, the following have been selected as recipients of these prestigious awards:

#	Awards	Recipients
1	Best Emerging Student Branch Award	IEEE RGIPT Student Branch (STB99414), Rajiv Gandhi Institute of Petroleum Technology Jais, Amethi
	Best Emerging Society Chapter Award	IEEE EPS Society UP Section Chapter
2	Best Student Branch Award	Women Institute of Technology, Dehradun Student Branch (STB01012), WIT Dehradun Uttarakhand
	Best Student Branch Chapter Award	IEEE AP-S SBC (SBC05261C), IIT Kanpur
3	Best Society Chapter Award	EDS Chapter (CH10771), IIT Kanpur
		IAS Chapter (CH10980), IIT BHU Varanasi

4	Branch Membership Growth/Retention ward	First	GL Bajaj Inst of Tech & Mgmt
		Second	Galgotias University
		Third	Teerthanker Mahaveer University
5	Outstanding Branch Counselor/ Chapter/ Affinity Group Advisor Award		Dr. Sanjiv Kumar, Harcourt Butler Technical University
6	Outstanding Section Student Volunteer Award (Male)		Sourabh Ghosh (97486909), MNNIT Allahabad
			Shubhranshu (100005268), Galgotias University
7	Outstanding Section Student Volunteer Award (Female)		Abhisha Garg (99044019), IIT Kanpur
			Pooja Sharma (98913072), MNNIT Allahabad
8	Outstanding Section Volunteer Award (Professional)		Dr. Anurag Dwivedi, Bansal Institute of Engineering and Technology, Lucknow
			Dr. Suman Avadhesh Yadav, IILM University, Greater Noida
9	IEEE UP Section Start-up Award		-----
10	Educationalist of the Year Award (Institution)		-----
11	Educationalist of the Year Award (Individual)		Prof. Sanjay Jasola, Vice Chancellor, Graphic Era Hill University, Dehradun
12	Technologist of the Year award		Shri L. C. Mangal – Distinguished Scientist & Director, DEAL (DRDO), Dehradun
13	Special Recognition Award		Ms. Baisakhi Bandyopadhyay, IIT Kanpur (For providing web-support to Section Award Committee)

A.4.3   *Activity-based Incentive Grant*

To recognize the efforts of active student branches/ student branch chapters of the section, the IEEE Uttar Pradesh Section started an activity-based section incentive grant program in 2019 for all the operational units. The top-five ranked student branches are listed below:

#	Prize	Awardee
1	First	RGIPT (Rajiv Gandhi Institute of Petroleum Technology Jais, Amethi)
2	Second	Amity University Lucknow
3	Third	Bennet University, Greater Noida
		Buddha Institute of Technology, Gorakhpur
		Jaypee Institute of Information Technology, Noida

A.5 Awards/ Grants received by the Section/ Section Volunteers 2024

A.5.1 *Awards/ grants received by the section/ chapters student branches/ student branch chapters*

The details of the awards/ grants received by the section/ section chapters/ student branches/ student branch chapters in Year 2024 are as follows:

#	Name of the OU and Award	Awarded By
1	Motilal Nehru National Institute of Technology Allahabad (SBC08071) Chapter Funding	MTT-S
2	IIT BHU Varanasi (SBC06321G)	AES
3	IIT BHU Varanasi (ED15/NANO42)	EDS
4	ED15 IIT Kanpur Uttar Pradesh Section Chapter	EDS
5	SBC IIT Roorkee	EDS
6	Dayalbagh Educational Institute Agra, New Chapter Start-	IAS
7	DEIS Student Chapter at IIT Kanpur India for local women's day (8th March 2024)	DEIS
8	IEEE ED Kanpur Mini Colloquia	EDS
9	S.R. Institute of Management & Tech-Lucknow SPS SBC	SPS
10	WIE Initial Funding to the IEEE UP Section for the IEEE WIE SBA11533	WIE
11	WIE Special Funding to the IEEE UP Section for the IEEE WIE SBA66434	WIE
12	PELS Day Funding 2024 - Harcourt Butler Tech Inst,	PELS
13	PELS Day Funding 2024 - SBC66434 IEEE PELS SBC BANSAL INSTITUTE OF ENGINEERING AND	PELS

14	PELS Day Funding 2024 - SBC10214C - Babu Banarasi Das Inst of Tech & Mgmt, PELS	PELS
15	EPS IEEE UP Section Chapter	IEEE EPS
16	IEEE AP-S IIT BHU Varanasi AP-S SBC (SBC06321E)	IEEE APS
17	IEEE AP-S IIT Kanpur AP-S SBC (SBC05261C)	IEEE APS
18	CH10860 2024 IEEE ComSoc Chapter- Uttar Pradesh	IEEE ComSoc
19	IEEE AP-S UP Chapter (CH10896)	IEEE APS
20	Motilal Nehru National Institute of Tech, AP03	IEEE APS
21	IEEE CS SBC S.R. Institute of Management & Tech-Lucknow, C16 (STB60219265E)	IEEE CS
22	BTKIT Dwarahat IEEE EPS SBC (SBC12461)	IEEE EPS
23	SPS Uttar Pradesh Chapter	IEEE SPS
24	SBC14321C - Indian Inst of Information Tech-Allahabad	IEEE SPS
25	CH11079- Uttar Pradesh Section Chapter, CAS04-Roorkee	IEEE CASS
26	CAS Chapter Initiative for CH11079- UP Section Chapter, CAS04-Roorkee	IEEE CASS
27	IEEE EMBS SBC SRIMT Lucknow	IEEE EMBS
28	SBC60209325 - Lloyd Inst of Engin & Techn SPS SBC	IEEE SPS
29	SBC11540B - Rajkiya Engineering College- Kannauj SPS	IEEE SPS
30	SBC05261E – IIT Kanpur SPS SBC	IEEE SPS
31	SBC05261A IIT Kanpur, MTT17 Project Grant (Project ID: 03-MTTS-SIGHT-2024) (Solar Solutions Challenge: Promoting Sustainable Energy Solutions through Young Student Driven Initiatives)	IEEE MTT-S SIGHT
32	IEEE PES High Performing SBC Award for various PES Student Branch Chapter Schools	IEEE PES
33	Rajkiya Engineering College Mainpuri (10148) SPAx event	IEEE SPAx
34	CIS KIET SBC	IEEE CIS
35	Uttar Pradesh Section for the Tech Trends Symposium 36742208173674	

36	Uttar Pradesh Section- 2024 R10 EAC Projects	IEEE R10 EAC
37	R10 AdHoc on Outreach and Retention Project - KIET Group of Institutions, UP Section	R10 AdHoc on Outreach and Retention
38	CH10976 - Uttar Pradesh Section Chapter, PHO36	IEEE Photonics Society
39	Darrel Chong Student Activity Award (Sliver Category) BBDITM Lucknow	IEEE MGA
40	IEEE JSSATE Noida for for the project " Dronecon - Workshop"	IEEE EAC
41	IEEE JSSATE Noida YP funding under STEP for the project " Techtrends Symposium -2024"	IEEE MGA
42	IEEE JSSATEN	IEEE SPAx

A.5.2   *Awards/ grants received by the Section Volunteers*

#	Name of the Volunteer	Name of the Award	Awarded By
1	Suraj Jaiswal	SPS Scholarship	IEEE SPS
2	Abhisha Garg, IIT Kanpur	SPS Scholarship	IEEE SPS
3	Shraddha Tripathi, IIT Kanpur	SPS Scholarship	IEEE SPS
4	Ms. Nandini Bhramrishi, JSSATEN	IEEE WIE Travel Grant to attend IEEE HTA-2024 in Malaysia	IEEE WIE
5	Shubhranshu Shekhar Dash	Outstanding Student Volunteer	IEEE India Council
6	Abhisha Garg, IIT Kanpur	Outstanding WiE Professional Volunteer	IEEE India Council

PART B – Organizational Activities

B.1 Events/ Activities 2024

B.1.1 *Events/ Activities by different Committees of the section*

B.1.1.1 *Professional Activities Committee*

This year, regular meetings were organized on Google Meet/WhatsApp for IEEE UP Section Professional Activity Committee (PAC) 2024 members. The following were the active members of PAC:

(i)   Dr. Gaurav Mittal, Scientist, DEAL, DRDO, Dehradun

(ii)   Dr. Kishor Sarawadekar, Associate Professor, IIT BHU

(iii) Dr. Manish Jain, Joint Advisor, TRAI, Ghaziabad

(iv)   Dr. Madhur Deo Upadhayay, Associate professor, Shiv Nadar Institute of Eminence, Noida

(v)   Dr. Smriti Agarwal, Assistant Professor, MNNIT, Prayagraj

(vi)   Dr. K C Mishra, Assistant Professor, WIT, VMSBUTU Campus Institute Dehradun

(vii) Dr. Tushar Goel, Assistant Professor, NIT Uttarakhand

The activities organized by the PAC committee are as follows:

(i) A one-day workshop/hands-on training on Signal Processing and its application using MATLAB was organized in WIT, Dehradun, on International Women's Day 2024 on 7th March with IEEE UP Section Professional

Activity. Sh. K.C. Mishra, WIT Dehradun, coordinated the event.

(ii) Earth Day Celebration 2024 with Theme: "Planet vs Plastic" on 22nd April 2024 at WIT, Dehradun, sponsored by Uttarakhand State Council for Science & Technology (UCOST), Dehradun, jointly organized by Veer Madho Singh Bhandari Uttarakhand Technical University, Dehradun Supported by IEEE UP Section PAC. Sh. K.C. Mishra, WIT Dehradun, coordinated the event.

(iii) One Webinar on "IEEE Publication: Technical Writing and Enhancing your Research" was organized by the IEEE UP Section Professional Activities Committee online through the Webex portal on June 17, 2024. The talk was delivered by Mr. Ranbir Singh Sedhey, IEEE Client Services Manager India, & Middle East (Asia), Africa, and Bangladesh.
Prof J Ramkumar spoke on the benefits of IEEE, and Prof Yogesh Chauhan introduced the IEEE UP Section. Dr Gaurav Mittal moderated the event, and Dr Madhur Deo Upadhayay concluded the event with a vote of thanks. A memento was presented to the speaker, Mr. Ranbir Singh Sedhey. A total of 41 participants and panelists from different backgrounds joined the webinar.

(iv) An event on the occasion of Independence Day & Rakhi -2024 was organized with the collaboration of IEEE UP Section Professional Committee titled "Tricolor Ties: Rakhi & Independence Day Bash 2024" on 17 August

2024 in VMSBUTU Dehradun and coordinated by Mr. K C Mishra, Assistant Professor VMSBUTU.

(v) A Webinar on: Science & Technology Commercialization from University Settings" has been organized by the IEEE UP Section Professional Activities Committee on Oct 18, 2024, online via the Google Meet portal. Dr. Jon Thomas from the University of Fraser Valley Vancouver, Canada. Dr. Thomas focused on entrepreneurship-oriented research at the university to solve the problems in society. He motivated the participants for patents and venture startups. Dr. Madhur Deo Upadhayay moderated the event, and Dr. Gaurav Mittal concluded the event with a vote of thanks. A memento was presented to the speaker Dr. Jon Thomas. A total of 55 people from different backgrounds participated. All members of PAC were present at the event.

(vi) Two days' workshop on Recent Advancements in VLSI and RF Technologies was organized by Prof. Y. S. Chauhan and Prof. Raghvendra Choudhary on 21- 22 Dec 2024.

B.1.1.2 *Educational Activities Committee*

(i) Workshop on Green horizons: harnessing digital solutions for a sustainable future, 14th April– 20th April 2024. Expert lectures and hands-on sessions were conducted during the workshop.

(ii) Workshop on IoT to disseminate knowledge to the less fortunate and to bridge the gap between theory and practice

(iii) Workshop at Shiksha Sopan, Kanpur on 24th Nov 2024. Workshop was attended by more than 50+ students.

(iv) A workshop was conducted for the school children where they learned about developing a BJT based proximity sensor, LED flip- flop circuit and LED on-off control using WiFi and Bluetooth. The workshop was conducted on 02nd Dec 2024 at KV Aliganj, Lucknow and more than 40 students attended the workshop.

B.1.1.3   *Conference Activities Committee*

S. No.	Details	Technically Sponsored Conferences			Financially Sponsored Conferences			Total
1	Total Conferences	31			09			40
2	No. of Institutes/ Universities involved in organizing conferences	24			07			31
3	Month-wise details for the conferences organized	Jan	Feb	Mar	Jan	Feb	Mar	
		01	02	04	---	01	---	08
		April	May	June	April	May	June	
		01	01	01	---	02	01	06
		July	Aug	Sep	July	Aug	Sep	
		01	03	03	---	---	01	08
		Oct	Nov	Dec	Oct	Nov	Dec	
		02	07	05	01	01	02	18

(ii) No. of conferences organized by the Institutes/ Universities

#	Name of the Institute/ University	#Conferences
1	Amity University, Noida	3
2	Galgotias University, Gr Noida	1
3	GLA University, Mathura	2
4	Graphic Era Hill University, Dehradun	2
5	Graphic Era University, Dehradun	3
6	GL Bajaj ITM, Greater Noida	2
7	Uttaranchal University, Dehradun	1
8	Amity University, Greater Noida	2
9	Galgotias College of Engineering and Technology, Greater Noida	2
10	NIT Srinagar, Garhwal, Uttarakhand	1
11	Lloyd Institute of Engineering & Technology, Gr Noida	1
12	UCER, Naini, Prayagraj	1
13	AKGEC, Ghaziabad	2
14	Sharda University, Greater Noida	2
15	Bennett University, Gr Noida	1
16	Amity University, Lucknow	1
17	MNNIT Allahabad Prayagraj	2
18	IIIT Allahabad, Prayagraj	2
19	ABES Engineering College, Ghaziabad	1
20	Integral University, Lucknow	1
21	RKGIT, Ghaziabad	1
22	Tulas Institute Dehradun	1
23	Buddha Institute of Technology, Gorakhpur	1

24	SRMCEM Lucknow	1
25	TMU Moradabad	1
26	ITS Engineering College, Greater Noida	1
27	NIET, Greater Noida	1
Total Conferences Organized		**40**

(iii) The Conference Quality & Management Workshop (CQMW), sponsored by IEEE Region 10, is a prestigious annual international workshop designed for event organizers across all the sections of Region 10. The Conference Quality & Management Workshop brings together thought leaders and decision-makers to discuss best practices in conference leadership, address policy changes and IEEE-specific approaches, tackle emerging challenges in the conference landscape, and launch innovative initiatives to shape the future of IEEE conferences.

This workshop is an essential event for IEEE volunteers involved in conference planning and management. It provides unparalleled opportunities for learning through thought-provoking and insightful sessions, equipping participants and their respective IEEE Organizational Units with valuable knowledge and strategies to enhance conference planning and execution. The Conference Quality & Management Workshop is your gateway to inspiration, innovation, and actionable insights for driving impactful conferences.

This year, the Conference Quality & Management Workshop was organized on 21st Sep 2024 at Amity University, Greater Noida, in physical mode. The objectives of the 2024

Conference Quality & Management Workshop organized by IEEE Uttar Pradesh Section and sponsored by IEEE Region 10 were:

(i) To provide educational training for the potential conference organizers

(ii) To provide best practices, sharing experiences and train conference organizers/ volunteers on IEEE rules and procedures that are required to comply with different types of conferences, to enhance technical quality

(iii) To instill and enhance volunteers' awareness of plagiarism and related aspects, as well as successful management and completion of conferences.

B.1.1.4 *Humanitarian Technology Activities Committee*

The activities conducted by HTA Committee are as follows:

(i) 14th Feb 2024 at Adharshila Vidyalaya, Gr Noida.

(ii) 27th Feb 2024 (two events), 3rd 2024 and 15th Oct 2024 at Amity Lucknow Campus

(iii) 28th Feb 2024 on National Science Day at WIT Dehradun

(iv) 16th March 2024 in remote and interior village at Kannauj

(v) 6th April 2024,three activities by WIT, Dehradun at DAV Inter College, Kendriya Vidyalaya at Indian Military Academy and Shree Guru ram Roy inter college

(vi)   15th April 2024 by AITM at Varanasi in Junior High School Sarnath

(vii)   24th April 2024 at Amity University ,Gr. Noida

(viii) 5th May 2024 at Primary School, Anthua, Banda

(ix)   10th, 22nd May 2024, 5th June2024,8th July2024,23rd Nov 2024 and 28th Dec 2024 at LIET, G. Noida.

(x)   13th July 2024, 25th Sep 2024 and 25th Nov 2024 by AITM, Varanasi

(xi)   17th & 26th Aug 2024, 6th Sep 2024 and 3rd Oct 2024 at WIT, Dehradun

(xii)   1st Oct 2024 at Bijnor

(xiii) 7th Oct 2024 at GBU, Gr Noida

(xiv)   13th Dec 2024 at Prathmik Vidyalaya Jaramai, Mainpuri

(xv)   27th Dec 2024 at REC, Kannauj

B.1.1.5   *Student Activities Committee*

#	Title of the Event	Date
1	Familiarization with IEEE and IEEE UP Section	24 Mar 2024
2	OU Analytics Training Session -1 virtual	14 April 2024
3	OU Analytics Training Session -2 virtual	21 April 2024
4	Inaugural Ceremony of IEEE UP SAC Meet -2024 at Amity University Lucknow	12 Sep 2024
5	Session on More on IEEE Vtools and Ou Analytics	12 Sep 2024
6	Session on Public Speaking organized	12 Sep 2024

7	Group Discussion	12 Sep 2024
8	Open Mic Session	12 Sep 2024
9	Guess the Word Session	12 Sep 2024
10	IEEE SAC MEET at NIET Greater Noida	20 Sep 2024
11	Explore more on IEEE vTools and Collabrotec at IET Lucknow	05 Oct 2024
12	How to Reactivate the IEEE Student Branch at IET Lucknow	05 Oct 2024
13	IEEE UP SAC MEET at Gorakhpur	24 Nov 2024

B.1.1.6 *Young Professionals & Student Coordination Activities Committee*

(i) Organized a webinar on 28th April 2024 for Mental Health Webinar for mental health awareness of young professionals. The webinar also involved mental health professionals answering specific queries from YP individuals. A survey questionnaire was floated to gather relevant questions from YPs.

(ii) Technical webinar: Clock Construction Overview in Non-Custom Synthesizable Design. On 19th Sep 2024, this webinar had an industry expert (Azad Singh from Intel) discussing synthesizable design and special considerations for clock construction and timing design. The speaker also answered several participant queries regarding the cutting-edge designs and the pros/cons of various methods.

(iii) Technical webinar: Evolution of Disruptive NAND Flash Memory Technology from 2D to 3D. On 27th Sep 2024, this webinar had an industry expert (Sajal Mittal from Western Digital) explaining NAND Flash memory technology's evolution and the latest trends. This was followed by a discussion between participants and the speaker on various queries related to the modern memory technology landscape.

(iv) The IEEE UP YP Section was represented in the R10 YP NEXUS Roundtable on 26th Oct 2024. Prof. Avirup Dasgupta (IIT Roorkee) participated in the event and discussed advancing collaborative YP activities.

B.1.1.7   *Women in Engineering Activities Committee*

(i) Special Session on Women in Engineering at "International Conference on Signal Processing and Advance Research in Computing (SPARC2024)" at Amity University Lucknow

(ii) "MEET & GREET PROGRAM" during the 7th International Conference on Contemporary Computing and Informatics (IC3I 2024) at Amity University Greater Noida Campus on September 21st, 2024.

(iii) WIE IEEE UP SECTION Affinity Group hosted a Meet & Greet program at ABES Engineering College on 23rd September 2024

(iv)   "Online Lecture Series 2024" organized by WIE IEEE UP SECTION

(v)   Meet & Greet Program during the 2nd IEEE-sponsored International Conference on "Advancements and Challenges in Green Energy and Computing", which was organized by the Department of Electrical & Electronics Engineering at Ajay Kumar Garg Engineering College, Ghaziabad on 21-23 November 2024.

(vi)   Meet & Greet Program during the 2nd IEEE-sponsored International Conference on IoT, Communication, and Automation Technology (ICICAT 2024) Buddha Institute of Technology on 23rd November 2024.

B.1.1.8   *Industry Relations Activities Committee*

(i)   Organised a 5-day IEEE workshop on "Analog and Digital Design and its implementation" by 5 industry experts at Dayalbagh Engineering College in online mode from 17th April - 20th April. The event was attended by more than 50 students and industry people.

(ii)   7 Industry experts from NCR visited and shared their experiences during the International Conference on Communication, Computer Sciences and Engineering (IC3SE-2024) on 9th -11th May 2024, followed by a Gala dinner.

(iii) Organised Industry expert lecture by Azad Singh on Clock Architecture, Intel USA at IIT Roorkee in online mode on 19th September 2024.

(iv) Organised Industry expert lecture by Sajal Mittal, Western Digital, Bengaluru, at IIT Roorkee on Nand Flash memory in online mode on 27th September 2024.

B.1.1.9 Sub-Section Coordination, Outreach & Strategic Planning Activities Committee

This committee has been constituted to look after the following tasks:

(i) To provide the strategic directions and initiation of new activities in Section

(ii) Development of strategies for short- and long-term goals with roadmaps for implementing the strategies.

Following outreach activities were planned across the section for increasing awareness of IEEE to increase the liveliness in the section:

(i) Opening of new Branches/Chapters

(ii) Arranging different sessions/meetings with members to discuss the starting of new affinity groups, e.g., WIE, YP, SIGHT, etc.

(iii) Organizing Keynote Lectures in the Latest areas of ECE/IT in Online Mode by the experts available in various Institutes of our section.

(iv) Conduction of "Query Resolution Session" in different colleges/universities to motivate them towards IEEE activities

The following members were included in this committee for the efficient implementation of the goals:

(i)   Prof. Rajat Kumar Singh, Chairman

(ii)   Prof. J. Ramkumar, Member (Advisor)

(iii)   Prof. Asheesh K. Singh, Member (Advisor)

(iv)   Prof. Akhilesh Tiwari, Member (North region)

(v)   Prof. Rafik Ahmed, Member, Member (North region)

(vi)   Prof. Jay Singh, Member (NCR)

(vii)   Prof. Varun Kakar, Member (Uttarakhand region)

(viii) Prof. K.C. Mishra, Member (Uttarakhand region)

A brief summary of the activities performed:

(i)   Organized the Lecture on Generative AI by Prof. Shekhar Verma, IIIT-Allahabad. The talk dwelled on different Generative AI techniques that can learn from a representation of artifacts in a model and generate new artifacts with similar characteristics. The emphasis was on basic tools and applications related to Generative AI. The lecture had been arranged for BBDITM, Lucknow and others had joined it Online.

(ii)   Organized the competitive event "IDEATHON" with the theme "Smart Solutions for a Sustainable Future". It was organized by the IEEE PELS UP Section Chapter in association with IEEE PELS SBC of Bansal Institute of Engineering and Technology for the students of UP Section to promote the new ideas, with the help of committee members Prof. Asheesh Kumar and Dr.

Akhilesh Tiwari. Students 1 of 2 were supposed to present their ideas before a designated committee.

B.1.1.9   *Publication and Section History Committee*

(i)   Updation of IEEE UP Section Operational Manual

(ii)   Updation of Histroy of IEEE UP Section

(iii)   Prepared the Histroy of UPCON

(iv)   Prepared the Histroy of Award IEEE UP Section

(v)   Prepared the Histroy of IEEE UP Section Executive Committee

B.1.2   *Events/ Activities by Section Chapters*

Sr. No.	Name	Prof	Tech	Non-Tech	Admin	Hum	Pre-Univ.	Total
1	IEEE UP Section SIGHT	0	1	0	0	6	0	7
2	Uttar Pradesh Section Affinity Group, WIE	1	5	2	0	0	0	8
3	Uttar Pradesh Section Affinity Group, YP	1	2	0	0	0	0	3
4	Uttar Pradesh Section Chapter, C16	0	0	0	0	0	0	0
5	Uttar Pradesh Section Chapter, CIS11	0	3	0	1	0	0	4
6	Uttar Pradesh Section Chapter, ED15 Kanpur	0	1	0	0	0	0	1
7	Uttar Pradesh Section Chapter, MTT17	0	0	0	0	0	0	0
8	Uttar Pradesh Section Chapter, NANO42	0	2	0	0	0	0	2
9	Uttar Pradesh Section Chapter, RA24	1	0	0	0	0	0	1
10	Uttar Pradesh Section Chapter, SP01	1	16	0	4	0	0	21
11	Uttar Pradesh Section Chapter, AES10	0	4	0	0	0	0	4
12	Uttar Pradesh Section Chapter, AP03	0	5	0	0	0	0	5

13	Uttar Pradesh Section Chapter, CAS04-Roorkee	0	1	0	0	0	0	1
14	Uttar Pradesh Section Chapter, COM19	0	2	0	0	0	0	2
15	Uttar Pradesh Section Chapter, CS23	0	0	0	0	0	0	0
16	Uttar Pradesh Section Chapter, ED15 Nepal	3	1	0	1	0	0	5
17	Uttar Pradesh Section Chapter, EP21	0	10	0	4	0	0	14
18	Uttar Pradesh Section Chapter, GRS29	0	0	0	0	0	0	0
19	Uttar Pradesh Section Chapter, IA34	0	4	0	0	0	0	4
20	Uttar Pradesh Section Chapter, PE31	0	0	0	0	0	0	0
21	Uttar Pradesh Section Chapter, PEL35	1	8	0	0	1	0	10
22	Uttar Pradesh Section Chapter, PHO36	2	0	0	7	0	0	9
23	Uttar Pradesh Section Chapter, SEN39	2	15	8	0	0	0	25
24	Uttar Pradesh Section IE13	1	1	0	1	1	0	4

B.1.3   No. of Student Members at different Institutes/ Universities

Sr. No.	Name of the Institute	# Student Members
1	ABES Engineering College	16
2	Academy of Scientific and Innovative Research	7
3	Ajay Kumar Garg Engineering College-Ghaziabad	60
4	Aligarh Muslim Univ	48
5	Ambalika Institute of Management & Technology	42
6	Amity Institute of Information Technology Noida	6
7	Amity School of Engineering & Technology - Noida	21

8	Amity School of Engineering & Technology-Lucknow	9
9	Amity University - Noida	65
10	Amity University Greater Noida Campus	36
11	Amity University Uttar Pradesh Lucknow Campus	35
12	Ashoka Institute of Technology and Management	8
13	BN College of Engineering and Technology	12
14	Babasaheb Bhimrao Ambedkar University BBAU	1
15	Babu Banarasi Das Inst of Tech & Mgmt	28
16	Babu Banarasi Das University-Lucknow	20
17	Banaras Hindu University	9
18	Bansal Inst of Engin and Tech-Lucknow	55
19	Bennett University	34
20	Bhagwant Institute of Technology	1
21	Bipin Tripathi Kumaon Institute of Technology	13
22	Buddha Institute of Technology	25
23	COER University	13
24	Chaudhary Charan Singh Univ Meerut	3
25	Christ University-Delhi	8
26	Dayalbagh Educational Inst	26
27	Dehradun Institute of Technology	8
28	Dev Bhoomi Institute of Technology Dehradun	10
29	Dev Bhoomi Uttarakhand University	2
30	Dr. Rammanohar Lohia Avadh University	1
31	Dronacharya Group of Institutions	1
32	Forest Research Institute	2
33	G. B. Pant Inst of Engg and Tech-Pauri Garhwal	26
34	G. L. Bajaj Group of Institutions - Mathura	11

35	GL Bajaj Inst of Tech & Mgmt	119
36	GLA University - Mathura	10
37	Galgotia Inst Of Mgmt & Tech	1
38	Galgotias College of Engineering and Technology	19
39	Galgotias University	112
40	Gautam Buddha University	25
41	Glocal University	1
42	Goel Institute of Technology & Management	4
43	Govind Ballabh Pant Univ Of Agriculture And Tech	2
44	Graphic Era Hill University-Dehradun	16
45	Graphic Era University - Dehradun	59
46	Greater Noida Inst of Tech	25
47	Gurukula Kangri University	1
48	Harcourt Butler Technical Univeristy	38
49	IFTM University	1
50	IILM University, Greater Noida	25
51	IIMT College of Engineering Greater Noida	17
52	IIMT University	1
53	ITS Engineering College	33
54	Inderprastha Engineering College	22
55	Indian Inst Of Remote Sensing	3
56	Indian Inst of Tech (Banarus Hindu U) Varanasi	70
57	Indian Inst of Technology-Kanpur	148
58	Indian Inst of Technology-Roorkee	200
59	Indian Institute of Information Tech-Allahabad	36
60	Indian Institute of Information Technology Lucknow	1
61	Indian Institute of Technology	18

62	Institute of Engineering & Technology - Lucknow	25
63	Integral University	18
64	Invertis University Bareilly	2
65	JSS Academy of Technical Education - Noida	25
66	JSS University-Noida	23
67	Jaypee Institute of Information Technology	25
68	KIET Group Of Institutions	35
69	Kanpur Institute of Technology	9
70	Krishna Inst of Engineering & Tech	1
71	Lloyd Inst of Engin & Techn	11
72	Lucknow Inst Of Engineering And Tech	4
73	Lucknow University	3
74	Madan Mohan Malaviya Univ of Tech-Gorakhpur	20
75	Maharishi University of Information Technology	9
76	Mangalayatan University	1
77	Meerut Institute of Engineering & Tech, Meerut	16
78	Moradabad Institute of Technology	12
79	Motilal Nehru National Institute of Tech	80
80	National Institute of Technology - Uttarakhand	4
81	Noida Institute of Engineering & Technology	54
82	PSIT College of Higher Education, Kanpur	3
83	Pranveer Singh Institute of Technology	39
84	Quantum University-Roorkee	12
85	R D Engineering College	16
86	Raj Kumar Goel Inst of Tech	17
87	Rajiv Gandhi Institute of Petroleum Technology	33
88	Rajkiya Engineering College, Banda	15

89	Rajkiya Engineering College, Mainpuri	45
90	Rajkiya Engineering College-Kannauj	26
91	Rohilkhand Univ	1
92	Roorkee Institute of Technology	2
93	S.R. Institute of Management & Technology-Lucknow	42
94	SRM Institute of Science and Tech, NCR Campus	3
95	Sam Higginbottom Inst of Agr Tech & Sciences	2
96	Sanskriti University	16
97	Sharda University	18
98	Shiv Nadar University	37
99	Shobhit Institute of Engineering & Technology	2
100	Shri Ramswaroop Memorial College Of Eng & Mngnt	19
101	Shri Ramswaroop Memorial University	19
102	Swami Rama Himalayan University	13
103	Teerthanker Mahaveer University	56
104	Tulas Institute, The Engg & Man Coll-Dehradun	69
105	United College of Engineering & Research	4
106	United College of Engineering & Research-Allahabad	42
107	United Institute of Technology	5
108	Univ of Petroleum & Energy Studies	16
109	Uttar Pradesh Technical Univ	4
110	Uttarakhand Technical University	4
111	Uttaranchal University	17
112	Veer Bahadur Singh Purvanchal University - Jaunpur	14
113	Vishveshwarya Institute of Engineering and Tech	2
114	Women Institute of Technology-Dehradun	37
115	Zakir Hussain Coll of Engineering & Tech	83

116	Andhra Univ College of Engineering - Visakhapatnam	1
117	Bundelkhand Institute of Engineering & Technology	1
118	SRM University	5
Total Student Members		**2786**

PART C – Section's Best Practices, new/ongoing initiatives, and Promoting Holistic Collaboration to Elevate Membership Experiences

The IEEE UP Section has consistently strived to uphold its philosophy of connecting people and making technology more impactful in the lives of the common man. Through the unwavering dedication of its self-motivated volunteers, the section has actively worked toward achieving the objectives of IEEE.

2024 marked a significant milestone in this journey, bringing about a pragmatic shift in the section's approach. The primary focus was to enhance the relevance of the IEEE UP Section for its members by emphasizing their professional development. The goal was to establish a direct connection with every IEEE member and volunteer, enabling them to experience tangible improvements in their professional lives.

To achieve this, the IEEE UP Section tailored its policies to address and fulfil the fundamental professional needs of its members and volunteers. These efforts quickly yielded measurable results. Improved satisfaction among members and volunteers led to increased membership retention, with existing members actively encouraging new members to join.

This collaborative spirit was reflected in the substantial number of activities reported across most units of the IEEE UP Section. The outcomes of these efforts underscore the section's commitment to fostering professional growth and community engagement.

C.1 Section's Best Practices

C.1.1 Conference Quality & Management Workshop

The Conference Quality & Management Workshop (CQMW), sponsored by IEEE Region 10, is a prestigious annual international workshop designed for event organizers across all the sections of Region 10. The Conference Quality & Management Workshop brings together thought leaders and decision-makers to discuss best practices in conference leadership, address policy changes and IEEE-specific approaches, tackle emerging challenges in the conference landscape, and launch innovative initiatives to shape the future of IEEE conferences.

This workshop is an essential event for IEEE volunteers involved in conference planning and management. It provides unparalleled opportunities for learning through thought-provoking and insightful sessions, equipping participants and their respective IEEE Organizational Units with valuable knowledge and strategies to enhance conference planning and execution. The Conference Quality & Management Workshop is your gateway to inspiration, innovation, and actionable insights for driving impactful conferences.

This year, the Conference Quality & Management Workshop was organized on 21st Sep 2024 at Amity University, Greater Noida, in physical mode. The objectives of the 2024 Conference Quality & Management Workshop organized by IEEE Uttar Pradesh Section and sponsored by IEEE Region 10 were:

(iv) To provide educational training for the potential conference organizers

(v) To provide best practices, sharing experiences and train conference organizers/ volunteers on IEEE rules and procedures that are required to comply with different types of conferences, to enhance technical quality

(vi) To instil and enhance volunteers' awareness of plagiarism and related aspects, as well as successful management and completion of conferences.

The section invited the leading experts to be the resource persons in the workshop. The list of the speakers/ resource persons, along with their affiliations, is as follows:

S. No.	Name of the expert/ Resource Person	Affiliation
1	Prof. S. N. Singh, Fellow IEEE, FINAE	IIT Kanpur/ Director ABV-IIITM Gwalior
2	Prof. Asheesh K. Singh	MNNIT Allahabad Prayagraj
3	Prof. Celia Shahnaz	BUET Bangladesh
4	Prof. Abhishek Appaji	IEEE Conference Application Review Committee
5	Prof. Prabhakar Tiwari	MMMUT Gorakhpur
6	Prof. Anil Roy	President-elect, IEEE Sensors Council, Past Chair, Conference Publications Committee & VP Technical Operations, IEEE Sensors Council
7	Prof. Satish K. Singh	IIIT Allahabad Prayagraj
8	Prof. J. Ramkumar	IIT Kanpur
9	Prof. Varun Kakar	BTKIT Dwarahat
10	Prof. Avadhesh Kumar	Galgotias University

C.1.2 *Support for Section's Student Members/ GSM for the Conferences*

The IEEE Uttar Pradesh Section supports IEEE student members/ GSM who are participating in conferences. Under this initiative, the section offers travel assistance to up to 10 IEEE members per conference. The IEEE UP Section also provides free registration (for IEEE student members/ GSM) to 10% of the expected papers in each conference, sponsored (technically/ financially) by the IEEE UP Section. This effort encourages members to actively publish their research at IEEE conferences and promote greater engagement in scholarly activities.

C.1.3 *Financial Sponsorship to the Conferences*

The primary purpose of providing financial sponsorship for the conferences is to promote reputed conferences within the section and to enhance the section's involvement in organizing such events.

In 2024, the IEEE Uttar Pradesh Section continued and extended financial sponsorship to 09 conferences. These conferences were organized by 07 different institutes/ universities.

C.1.4 *Oversight Committee for the Conferences*

The IEEE Uttar Pradesh Section continued forming an Oversight Committee comprising 2-3 executive committee members/ former members for every conference or workshop organized within the section and those technically or financially sponsored by it. The members of the Oversight Committee serve as direct liaisons between the section and the event organizers, providing guidance and assistance to ensure the event is conducted professionally and ethically.

The Oversight Committee members actively support conference organizers, offering advice on organizing events to uphold high professional standards. Additionally, they attend the events in person to observe the entire process, including the technical quality of papers, keynote speakers, review process, scheduling, and other relevant aspects.

Following the event, the committee submits a detailed report to the section. Based on this feedback, the executive committee determines the appropriate course of action to improve the quality and impact of such events further. This process ensures the consistent professionalism and integrity of activities under the IEEE Uttar Pradesh Section.

C.1.5   *Distributed venue for ExeCom*

The IEEE Uttar Pradesh Section has adopted and consistently conducted its executive committee meetings at geographically distributed locations across Uttar Pradesh and Uttarakhand in different modes, such as physical, virtual, and hybrid. This approach promotes the section's activities and encourages greater participation from members in these meetings.

By rotating meeting locations, the section fosters vibrancy and inclusivity, motivating members to actively engage and derive maximum benefits in terms of technical and professional growth.

C.1.6   *Democratic decision making*

The IEEE Uttar Pradesh Section follows a democratic decision-making process, wherein all major decisions are made collectively by the executive committee, with only a few limited powers delegated to the section chair. Decisions are taken after thorough deliberation among

committee members, ensuring transparency and inclusivity in the process.

All resolutions are documented by the secretary in the meeting minutes and subsequently circulated among all committee members for record-keeping and reference.

C.1.7   *IEEE UP Section Awards*

Several awards were introduced to encourage the volunteers of the IEEE UP Section, organize activities, and inspire individuals to join IEEE. The following is the list of awards constituted by the IEEE UP Section:

(i)   Outstanding Branch Counselor/Chapter/AG Advisor Award

(ii)   Best Student Branch and Student Chapter Award

(iii)   Outstanding Section Student Volunteer Award (Two Male and Two Female)

(iv)   Outstanding Section Volunteer Award

(v)   Activity-based Branch/Chapter Incentive Award

(vi)   Best Emerging Branch/Chapter Award

(vii)   Branch/Chapters membership growth/retention Award

(viii) Technologist of the Year Award

(ix)   UP Section Starts-up of the Year Award

(x)   Educationalist of the Year Award (one Individual and one Organizational)

(xi)   Prof GK Dubey Memorial Life-Time Achievement Award

C.1.8   *Section Website*

The IEEE Uttar Pradesh Section consistently updates its website with information on events and key updates to keep users informed about the section's activities and operations. The website, www.ieeeup.org, is an excellent platform for facilitating communication between event

organizers and the section. All essential forms and formats are regularly uploaded to the website, ensuring easy access for members and organizers.

C.1.9 *E-newsletter and E- notices*

Since 2018, the IEEE Uttar Pradesh Section has been publishing an e-newsletter that features information on key events, achievements, messages, photographs, articles, and other content relevant to its readers and appropriate for the section. All e-newsletters published by the section are available on www.ieeeup.org. Additionally, the section periodically sends e-notices to its members, informing them about important upcoming events.

C.2 Section's new/ ongoing initiatives

C.2.1 *IEEE Day Grants*

In 2024, the IEEE Uttar Pradesh Section continued supporting student branches in celebrating IEEE Day. This year, grants were allocated based on the performance of each student branch, with branches demonstrating higher membership strength and greater activity levels receiving larger grants.

This approach aims to foster healthy competition among student branches, encouraging them to organize more technical activities in the future and further enhance their contributions to the section.

C.2.2 *L31 Event Reporting*

Since 2018, the IEEE Uttar Pradesh Section has emphasized the importance of timely L31 event reporting. The section encourages organizers to report every event on L31, significantly enhancing the section's reputation and visibility. This emphasis on event reporting through vTools led to over 1000 events being reported on vTools in 2024.

C.2.3 *Pre-University Activities*

This year, the IEEE Uttar Pradesh Section witnessed a significant increase in pre-university activities. To sustain this momentum, the section plans to organize even more such activities in 2025, focusing on promoting IEEE among pre-university students.

To achieve this objective, the IEEE UP Section is establishing several initiatives to engage and inspire young minds. These activities will successfully capture the attention of pre-university students, fostering their interest in IEEE and its mission.

C.2.4 *Membership Elevation drives*

The IEEE Uttar Pradesh Section has successfully elevated several eligible members to the Senior Member category, with the promotion process ongoing. This advancement has inspired IEEE members to engage with greater enthusiasm and dedication.

Additionally, this promotion has enabled the section to benefit from the expertise and experience of senior members in higher-level roles, significantly enhancing the overall efficiency of the IEEE UP Section. As a result, several programs have been implemented more effectively, thanks to the contributions of these seasoned and motivated members.

C.2.5 *IEEE UP Section U10 Initiative*

The IEEE U10 Initiative was launched to activate potential yet dormant IEEE members and units to foster greater participation. The underlying concept was that increased participation would lead to higher membership retention, which, in turn, would drive the growth of new memberships.

Under the U10 initiative, IEEE UP Section units were encouraged to submit plans for organizing at least 10 activities throughout the year. This initiative proved highly motivating for various student units within the section. Not only did they meet the goal of 10 planned activities, but they also continued the momentum, organizing numerous additional events.

The U10 initiative has become one of the section's most successful programs, significantly increasing membership, particularly among graduate students. As part of this initiative, all student units must organize at least 10 activities per year. Units that achieve this target are eligible for financial support from the section. This strategy has

successfully prompted dormant units to begin hosting IEEE activities, ultimately enhancing the overall membership experience.

C.2.6   *Chapter and Member Driven Initiatives*

The section and its various organizational units regularly organise numerous activities throughout the year.

C.2.7   *WIE/ SIGHT/ YP/ SBs/ SBCs Event Promotions*

Since 2018, the IEEE Uttar Pradesh Section has actively promoted Women in Engineering (WIE), the Special Interest Group on Humanitarian Technology (SIGHT), Young Professionals (YP), and student-focused activities within the section. Through its committee chairs, the section has supported and facilitated the formation of branches, chapters, and affinity groups for these initiatives.

In recent years, several WIE/ SIGHT/ YP/ SBs/ SBCs have been established. They have organized a significant number of activities, which have not only enriched the section's engagement but also attracted substantial grants to support their endeavours.

C.2.8   *IEEE UP Section IEEE Day Celebration*

For volunteers worldwide, IEEE Day holds special significance. The IEEE UP Section sought to celebrate this day uniquely, ensuring that all units across the Uttar Pradesh Section could participate and celebrate IEEE Day together.

Initially, all units within the IEEE UP Section were invited to submit their plans for celebrating IEEE Day. A special initiative was introduced to support IEEE Day event reporting and provide financial assistance from the IEEE UP Section. Under this plan, units that organized IEEE Day

events according to their submitted plans, reported them on vTools and contributed content for the section's newsletter were awarded financial support based on the number of members in their respective units.

The celebration of IEEE Day was a resounding success, with units across the IEEE UP Section participating enthusiastically.

C.2.9   IEEE UP Section Volunteer Training Sessions

The Student Activity Committee was established at the section level. For the efficient operation of IEEE units, volunteers at the grassroots level must understand the workings of IEEE. With this in mind, the Student Activity Committee of the IEEE UP Section decided to hold periodic training sessions to help newly joined volunteers familiarize themselves with the IEEE environment.

The IEEE UP Section organized training sessions for various groups, including student branch counsellors, student branch chairs, office bearers, and new IEEE members to achieve this objective. These sessions proved highly beneficial, resulting in increased student participation. Volunteer training is a key component for any organizational unit to function effectively.

This year, volunteer training sessions were conducted for office bearers of student units. For the coming year, the section plans to increase the frequency of these sessions, focusing on raising awareness about IEEE's operational tools and fostering the activation of dormant units.

C.3 Promoting Holistic Collaboration to Elevate Membership Experiences

At IEEE Uttar Pradesh Section, we believe that fostering collaboration across all levels of the organization is key to enhancing the membership experience. By promoting a holistic approach that encourages interaction between students, professionals, volunteers, and leadership, we create an environment where members can share knowledge, innovate, and grow together.

Our strategy focuses on integrating diverse perspectives, skills, and experiences to design programs and initiatives that resonate with the needs of our members. This collaborative approach strengthens the bonds within our community and drives the creation of meaningful, impactful opportunities for professional and personal development.

We aim to bring members together through regular workshops, seminars, webinars, and networking events, ensuring that every individual feels valued and empowered to contribute to the IEEE vision. We are committed to continuously enhancing the member experience through a seamless flow of communication, knowledge exchange, and collective problem-solving.

Below are some of the few activities/ policies by which the section promotes holistic collaboration to elevate the membership experience of its members:

C.3.1   *Section Activity-Based Incentive Award*

In alignment with the R10 activity-based incentive program, the IEEE UP Section has implemented a similar initiative for its student units. This initiative has led to more vibrant and engaged student units. Moving forward, we plan to enhance the benefits offered to these units by continuing and expanding this program.

C.3.2   *Opportunities for the Members*

The IEEE Uttar Pradesh Section is committed to enhancing the membership value for all its members. The section has consistently organized various activities across the full spectrum of IEEE's initiatives to achieve this. We are continually improving both the quantity and quality of these activities.

In the coming year, we are focused on organizing an increasing number of seminars, webinars, interactive sessions, workshops, conferences, and more. The section introduced several such activities this year, and we plan to expand their scope.

The IEEE UP Section is constantly creating new opportunities and activities for its members. For the upcoming year, we aim to establish further/ nurture these initiatives while also introducing additional similar programs.

C.3.3   *Promoting members to senior members*

The section plans to make a dedicated effort to encourage members to elevate to the Senior Member grade. This initiative is expected to increase the membership renewal rate significantly.

C.3.4   *Support Professional Activity*

The IEEE Uttar Pradesh Section aims to promote education, innovation, and research & development across various domains. The section has provided financial support for these professional activities. This year, the professional activity committee has organized lectures related to the professional development of its members. Looking ahead, we plan to expand the scope and impact of this initiative in the coming year.

PART D – Goals and Future Plans

The IEEE Uttar Pradesh Section continues to focus on various initiatives aimed at enhancing membership growth, improving technical activities, and fostering collaboration between academia and industry. Key priorities include:

- **Membership Growth**: Increase industry participation and grow overall membership compared to the previous year.
- **Technical Activities**: Maintain the quality of conferences, workshops, and symposia, financially supporting them while ensuring wide publicity through newsletters, email, and web pages.
- **Invited Lectures/ DL**: Organize lectures with Distinguished Lecturers (DL) and local experts to benefit students and professionals alike.
- **Student Engagement**: Focus on student-specific initiatives, including panel discussions, site visits to industries, power stations, and labs, and offering career guidance through lectures and group discussions.
- **Pre-University Outreach**: Promote IEEE awareness at the pre-university level through awareness programs and activities among school students.
- **Humanitarian and Ethical Activities**: Promote SIGHT activities, humanitarian efforts, and ethical practices within the section.
- **Diversity and Inclusion**: Encourage WIE (Women in Engineering) and YP (Young Professionals) activities to foster inclusivity and engagement.

The section also aims to organize and strengthen industry-academia relations and conclaves encouraging ethical practices. A notable goal is to ensure financial sustainability by managing activities through operational funds, small registration fees, and sponsorships from government and private organizations.

Finally, the IEEE Uttar Pradesh Section strives to achieve the IEEE vision: "Advancing Technology for Humanity."

Website: http://ieeeup.org