

IEEE Pune Section Annual Report - R0 01 20

PART A - SECTION SUMMARY

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities.

Pune, one of the largest urban agglomerations of India, is located in western Indian State of Maharashtra. The city is one of the biggest industrial towns in India and an important educational, industrial, and cultural center. Pune hosts several universities and well-known institutions, and research organizations. The city also houses a large number of industries in the field of Information and Communication Technology (ICT), automobile, electrical, electronics, forging, foundries and other engineering Industries. More than one hundred thousand skilled engineering professionals are working in and around the city. The strength of students studying in various disciplines in the city exceeds two hundred thousand.

IEEE Pune Section (R0 01 20) was established on June 26, 2010 with terrestrial boundaries confined to Pune metropolitan City (Postal Code 411001 to 411999) The section falls under the jurisdiction of Asia Pacific Region (R-10) of IEEE. Prior to that it was the subsection of IEEE Bombay section since June 20, 2003 till its formation. At present, the Pune section has more than 300 professional members and over 2000 other members, including student members. There are 24 IEEE Student Branches in different Engineering Colleges in and around Pune City.

A.1 Executive Summary –

The journey of Pune section started twelve years ago in June 2010 and since then there is no looking back. Every student and professional member contributed significantly to the growth of the section. The year 2022 began with a formation of new executive body and student council and Pune section entered into a new year with full enthusiasm and super determination. The common objective for the section was set to use technology for the benefit of humanity, to collaborate and to organize purposeful events throughout the year.

After two rough years of pandemic, we decided to have as many offsite Execom meetings as possible at locations like CC&Co, Garudmachi Management Training Centre, SPPU Research Park, GMRT Khodad, I2IT, Institute of Engineers, 14 Trees, MCCIA, Hotel President and Ramee Grant. Besides, Chief Guests like Dr. Ajay Poddar, Chair - North Jersey Section, Dr Daniel Watzenig - DL of IEEE I&M Society, Niranjana Dhomse – TCS, Dr RamKrishna Pasumurthy, IIT Madras, Dr Goutam Chattopadhyay – NASA, Dr. Saifur Rahman – IEEE President Elect, were invited for every meeting. This practice not only triggered many new initiatives but also opened up the opportunity for collaboration and helped in executing them in a high spirit towards member engagement. We ensured that meetings are combined with purpose.

This year, IEEE Pune section has conducted and reported 390 events under 05 categories, i.e., Technical (190), Nontechnical (79), Professional (39), Humanitarian (6), Pre-U Stem Program (3) and Administrative (68). Types of activities that were organized are- Training Programs, Workshops, Seminars, Expert Sessions, Hackathons, Conferences, Presentations, Research Collaborations, Quizzes, Programming Workshops, Interaction with experts, contests, Webinars, Competitions, Guest/Distinguished Lectures, Faculty development programs, Group/Panel Discussions, Science and Art activities, Affordable Agriculture Laboratory setups, Visit to Agri-Farms, Round Table Discussions, Technical Discussions, Conclaves, Sessions with Industry experts and Collaborations with Incubators /Research Parks / Universities / NGOs / Govt Bodies. We also celebrated IEEE day, Science day, World Telecom Day, World Astronomy Day, Humanitarian Activity day, Women's Day

and organized many joint activities with student branches, societies, other sections, India Council and international sections.

Our members, not only contributed at section level but also at India Council and R10 level, like Dr. Rajashree Jain served as Secretary, India Council; Dr. Rajesh Ingle drove Membership Development as Chair, India Council; Dr. Surekha Deshmukh contributed as Chair, India PES Chapter Council Chapter Representative CR - PES R10 West Region.

We bagged many awards and attracted good funds throughout the year. Asia Pacific R-10 team could not ignore the pace at which the section was making great strides with such vibrancy and decided to recognize Pune Section as the Outstanding Large Section from 101 R-10 sections/subsections and Dr. Neha Sharma as Outstanding Volunteer across various Asia Pacific sections. Other awards ranged from 'R10 Outstanding EA (Educational activities) award' to 'Outstanding Section Membership Recruitment and Retention Performance', and 'Outstanding Branch Counselor and Branch Chapter Advisor'. We also got award for Article writing competition and a Special Recognition to our SAC Volunteer. This clearly gave us an opportunity to boast about dedicated volunteering by our members. Besides, we also contributed towards the India Council award 'Pralhad P. Chhabria Awards' that was constituted in 2017 with great efforts by Pune volunteers. Hope Foundation and Research Centre and IEEE Collaborators increased the number of awards and expanded it for SAARC nations. This year, two awards were given to best outgoing students and two to best women professionals.

We conducted much focused membership drives in all the student branches and at all the forums possible. Our efforts not only resulted in formation of 08 new society chapters, but also reviving the student branches at CCOEW and SCOE and increased the number of student branches and societies. We could also start Society chapters at couple of student branches. There are 13 society chapters and 30 student branches under IEEE Pune section. Around 173 events were conducted by Society chapters and 210 activities by student branches. Besides, section organized its flagship International Conference PuneCon 2022 in association with International Institute of Information Technology and Persistent. Education Society Chapter successfully conducted Eu-Reka (education Rekha), a national level event that involves college students and various schools across the country. AISYWL congress, a flagship event of India Council, was conducted successfully by our young team with age ranging from 18 to 81. The team of Pune Section showed strong bond in executing international conferences in cutting edge technologies like Quantum Computing, Blockchain and Distributed Systems, Internet of Things.

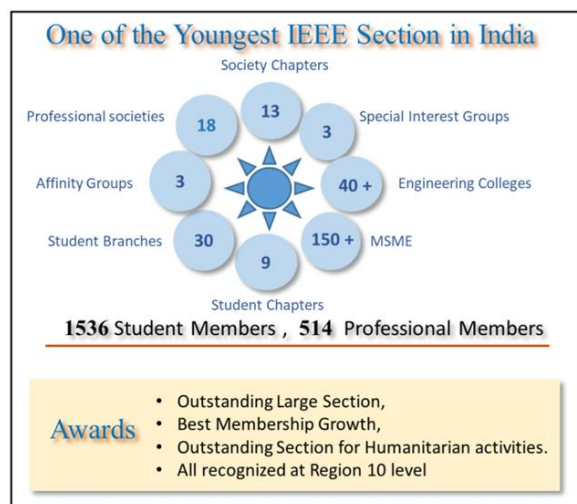
For Pune Section, the year 2022 was focused on laying the strong foundation and building impeccable framework for an organization that is built for longevity, sustained impact and inclusivity.

Section Executive Committee Member List

Position	Name
Chair	Girish Khilari
Vice-Chair	Dr. P. B. Mane
Treasurer	Dr. Amar Buchade
Secretary	Dr. Neha Sharma
Computer	Dr. Rajesh Ingle
Communication	Dr. P. B. Mane
Education	Dr. Virendra Shete
Signal processing	Prof. Vinayak Bairagi
PES/IAS	Dr. Mandar Bhawalkar
Instrumentation and Measurement	Prof. Mandar Khurjekar
Joint Chapter of AP, MTT, EMC (JCAME)	G. S. Mani
TEMS (Technology and Engineering management Society)	Prashant Joshi
Robotics and Automation Society/ Control Systems Society	Dr. Shantipal S. Ohol
Engineering in Medicine and Biology Society	Dr. Reena Pagare
Industrial Electronics Society/Power Electronics Society	Dr. S. L. Patil

Consumer Technology	Dr. Suresh Limkar
Computational Intelligence Society	Dr. Jayashree Prasad
WiE	Dr. Shailaja Patil
YP	Dhiraj Mani Chaurasia
Student Activity Committee	Dr. Sunil Somani
Website	Mr. Abhijit Khurpe
Newsletter	Dr. Neha Sharma
Membership Development, Industry Relations	Mr. Dinanath Kholkar
Membership Development, Industry Relations	Dr. Preeti Ramdasi
SIG on Affordable Agriculture	Mr. Jagdish C.
SIG on Healthcare	Dr. Amar Buchade
SIGHT	Dr. Amar Buchade
SIG Smart City	Mr. Tushar Mote
SIG Renewable Energies	Dr. Surekha Deshmukh
Awards	Dr. Varsha Degaonkar
Conference	Vivek Deshpande
Educational Activities	Rajashree Jain
Section Chapter Coordinator	Prof. Mandar Khurjekar
Past Chairs	Dattatrya Doke, Dr. Bharat Chaudhari
Past Chairs	Dr. Avinash Joshi, P. K. Sinha
Permanent Member	Dr. Vijay Bhatkar

Section Highlights



13 Professional Chapters

05 Joint Chapters & 06 Student Branch Chapters

01 Council: Sensor

02 Affinity Groups: (WIE, Young Professionals)

05 Special Interest Groups: Affordable Agriculture, Healthcare, Smart City, SIGHT, Renewable Energy

Focused Groups: Awards, Student Activities, Conference, Industry Relations, Membership Development, Website and newsletter

Total number of Student Branches –30

Student branches that Section has successfully revitalized – 04

Technical chapters that Section has successfully started – 05

The total number of events related to student groups, and affinity groups held beginning in November 2021 – **390**

Student Branches	210
Society Chapters	173
Affinity Group	7
Total	390

Administrative	68
Humanitarian	6
Nontechnical	79
Pre-U STEM Program	3
Professional	44
Technical	190
Total	390

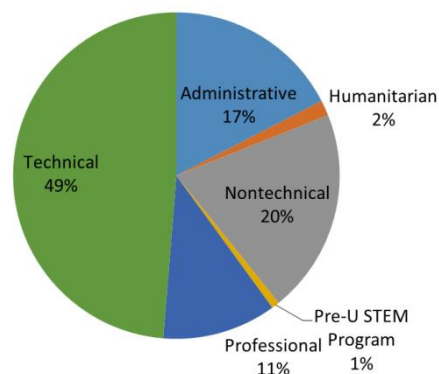


Figure 1. Summary of Events held under different categories

Major Events (International, National)

Event Date	Event Description	Hosted By
9/03/2022 - 11/03/2022	5th International Conference on Emerging Smart Computing & Informatics 2023	All India Shri Shivaj Mem Soc Inst of Info Tech
21/06/2022 - 22/06/2022	International Conference on Bio-Neuro Informatics and Algorithms	Symbiosis Institute of Digital and Telecom Management
11/08/2022 - Ongoing	EuReka 2022	IEEE Education Society, IEEE Pune Section, IEEE IC
26/08/2022 - 27/08/2022	6th International Conference on Computing, Communication, Control and Automation.	Pimpri Chinchwad College Of Engineering
25/08/2022 - 27/08/2022	02 nd International Conference on Signal and information Processing 2022.	College of Engineering - Pune
17/09/2022	International conference on Blockchain and Distributed Systems Security 2022	Computer Society Chapter
22/09/2022 - 24/09/2022	IEEE International Conference On Industry 4.0 Technology.	Vishwakarma Institute of Technology
7/10/2022 - 9/10/2022	AISYWLC 2022	IEEE India Council, IEEE Pune Section
13/10/2022 - 15/10/2022	Trends in Quantum Computing & Emerging Business Technologies	CHRIST (Deemed to be University)
15/12/2022 - 17/12/2022	IEEE Pune Section International Conference.	Int'L Inst of Information Tech – Pune

A.2 Financial Report

Summary (as per submitted on NetSuite)

Income	Amount(INR)	Expenditure	Amount(INR)
Opening Balance as on 1 Jan 2022	2798818.43	Closing Balance as on 31 December 2022	2720753.81
Receipt During the year 2022	5521793.00	Payment during the year 2022	5599857.62
Total	8320611.43		

Any other financial activities

IEEE 2022 Budget Details(Non Audited) –Income	
Details	Income (INR)
STEM Grant, IEEE PES Outstanding Chapter Award, R10 Upskill 2021 Fund - Pune Section, R10 Student-YP joint fund, R10 2021 Section Incentive	3,95,712

AP/MTT/EMC Joint Chapter, IEEE Pune Section for AP-S COPE Projects	227850
AP/MTT/EMC Joint Chapter, IEEE Pune Section for AP-S COPE Projects	2,24,280.00
2022 Bonus and Operating Funds, 2022 Student Branch Operating Funds	9,94,459.00
Chapter rebate, Special Project, Education 4.0 – Emerging Trends workshop, APS/HAC&SIGHT Proj #22-APHAC-10 (Dr. Rajashree Jain), APS/HAC&SIGHT Proj #22-APHAC-06 (Prof. G S Mani)	8,81,061
AISYWL	
MTT-S Chapter Funding, HAC/SIGHT Proj 22-HAC-062 Funds (Dr.Sarika Panwar)	4,78,680
AP-S COPE Project (Bhagini Nivedita Pratisthan Pune-Underprivileged Students, computer and internet in outreach Schools in the rural parts of Pune AP-S Chapter), (Special Project) - Electromagnetics for Wireless: Opportunities and Challenges’ R10 SAC UG student project video contest, 2022 Region 10 Outstanding Large Section	7,23,096
SPS Funding Support, R10 HTA Impact Congress, IEEE PES High Performing Chapter Award, 2022 IEEE R-10 Capacity Building Workshop-	252262

IEEE 2022 Budget Details(Non Audited) –Expenditure	
Details	Expense (INR)
Section Meetings	218267
Chapter and Affinity group expenses	314999
Student support, AISYWL	1575375
Student Branch Support	257665
IEEE HAC Project	550000
Travel and accommodation support	444050
Website	31000

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

Total number of active members in the past 3 years

The following table gives us an overview of the growth in the number of active IEEE members per month for the last 3 years.

Month-by-year	2020	2021	2022
January	1839	1168	1825
February	708	614	1161
March	766	673	1717
April	782	810	1745
May	795	839	1789
June	813	1028	1816
July	832	1165	1862
August	870	1227	1902
September	913	1333	1984
October	950	1424	2109

November	966	1593	2203
December	1038	1725	2417

The figure below gives us a full picture of how many members have been active in the last 3 years. As it can be seen in Figure 4 below, there has been a steady rise in the number of memberships within the last three years.

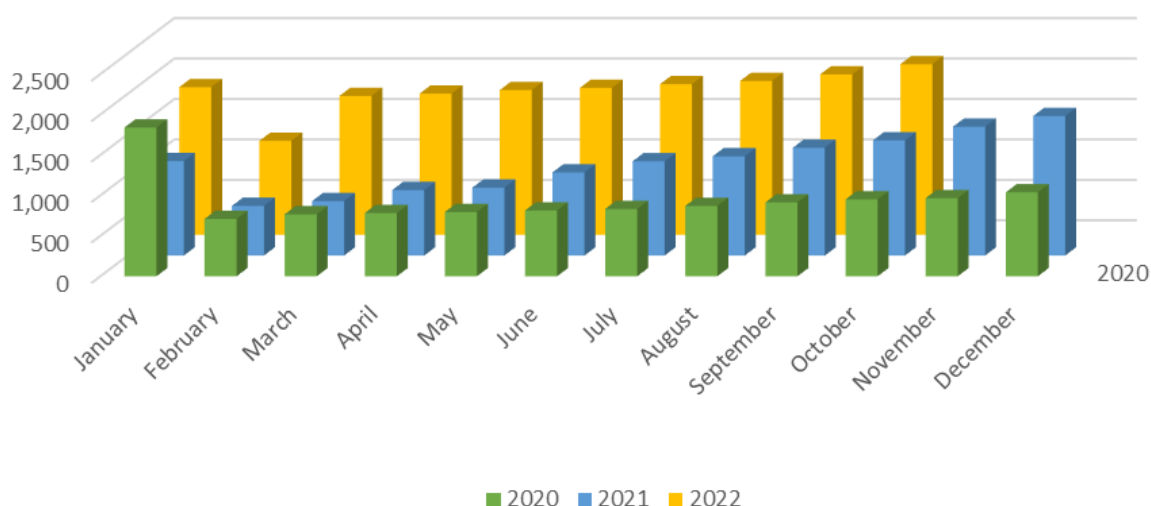


Figure 2. Detailed Membership Information - 3 years

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

From January to November 2022, the Membership Development and Industry Relations (MDIR) chapter put on a total of 23 activities to help people join. The Pune Section kicked off its events with a membership planning and development competition open to all of the student branches. As part of this competition, student branches had to submit a document outlining the events and projects they planned to do each month for the next year, as well as a document outlining the specific strategies and tactics they planned to use to increase and keep members. We put a professional from the right field on each team so that the student branches and the industry as a whole could work together better. The goal of assigning these experts to the student branches is to narrow the knowledge gap between the business world and the classroom.

In addition, several workshops, such as "Managing Your Professional Development," "IRC Workshop: Next Practices in Industry-Academia Collaboration on Research & Innovation," and "R10 Industry Academia Collaboration on Research & Innovation Workshop," were held to foster the participation and dialogue of professionals within the section. This section was also in charge of a number of other projects, like the Bindass Bol program, which helped students from all over the world practice speaking English. The organization took its students and members on regular field trips to the Indian Institute of Science Education and Research and the Smart City Command Center in Pune so that they could learn about cutting-edge technologies and meet with experts.

In order to give its members more opportunities, the IEEE Pune Section has worked with TCS on a number of learning platforms, such as KMDB and the IEEE Blended Learning Platform. IEEE also suggested an AI certification program, which was a part of the Pune Smart City project. It also put on a number of webinars and panel discussions about the ecosystem to help students learn more about it.

Finally, this year the Student Activities Council formed a brand new team called the "Member Relations Team." The only reason this team was made was to get more students to join and make it easier for students to switch from not being members to being members. Over the course of the team's tenure, they held a number of meetings to learn about the challenges different student branches faced in recruiting new members, and they helped these branches plan a variety of membership development activities.

Chapter Activities

Total number of chapters in Section - 13

Number of Chapters formed in the current year - 5

- Robotics and Automation Society/ Control Systems Society (Joint Chapter)
- Engineering in Medicine and Biology Society
- Industrial Electronics Society / Power Electronics Society (Joint Chapter)
- Consumer Technology (CT)Society
- Computational Intelligence Society

Number of active Chapters - 13

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

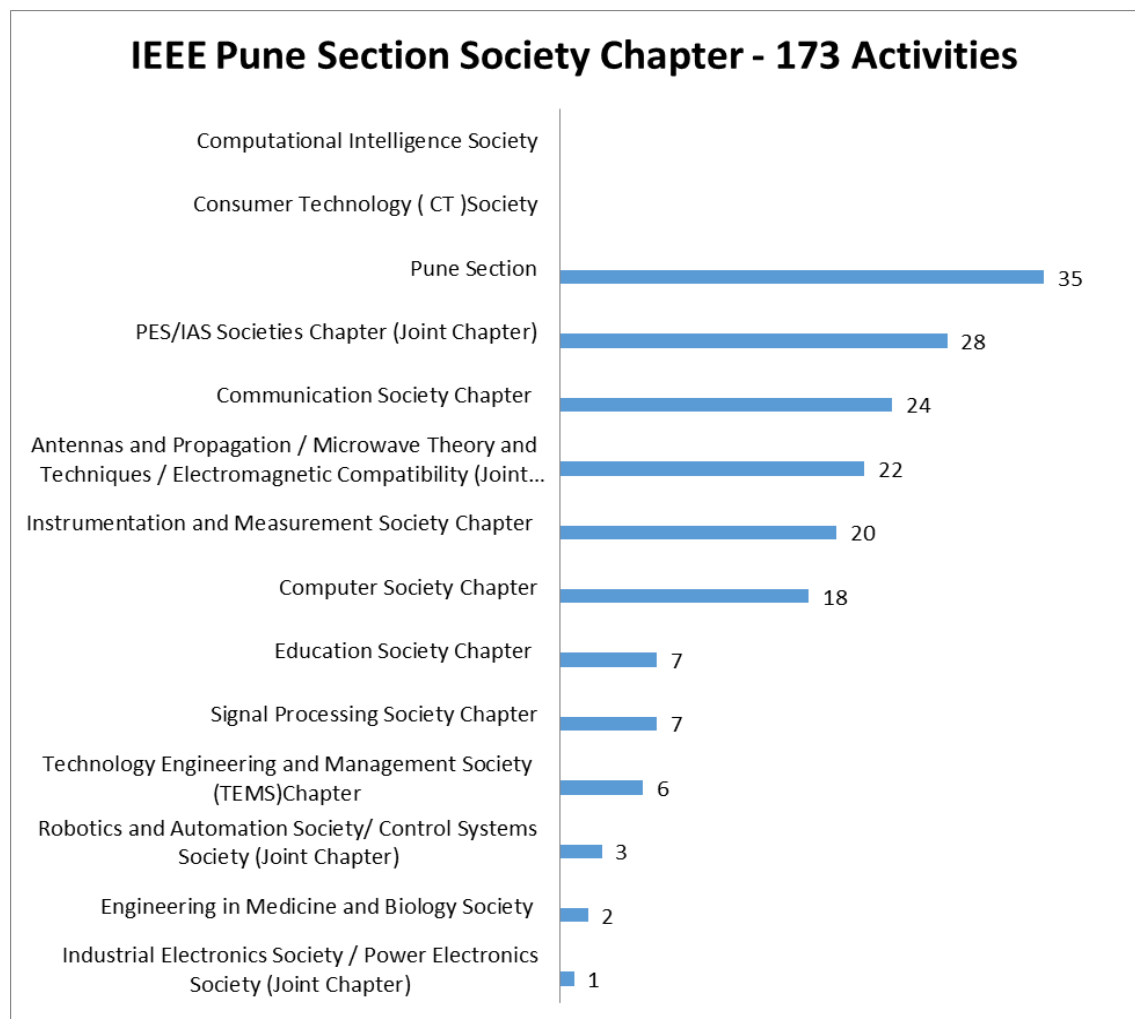


Figure 3. Summary of Chapter Activities

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

The total number of professional lectures/ seminars/ workshops /technical activities conducted from November 2021 onwards. - 44

Table 1. Summary of Events Conducted by the section and student branches under Education Activities

Event Date	SPOID	Event Description	Attendees
11/8/2021	STB62941	PRAXIS 2021 INAUGURAL CEREMONY : Pimpri Chinchwad College Of Engineering	184
11/27/2021	STB62941	An Internship Opportunity by IEEE : PCCoE	40
11/30/2021	CH10593	Webinar on " IEEE Membership Awareness and Recent Trends in Power Sector Transformations : Pune Section Jt. Chapter, PE31/IA34	80
12/2/2021	CH10985	Ideate, Innovate, Start-Up : Pune Section Chapter,TEM14	91
12/3/2021	CH10985	Industry Forum : Pune Section Chapter,TEM14	117
1/30/2022	YP00120	Understanding the Career Opportunities in IT Industry Career Path Discovery Series (CPD) IEEE YP : Pune Section Affinity Group	100
2/7/2022	STB62831	IEEE Membership Drive : Int'L Inst of Information Tech - Pune	200
2/11/2022	CH10593	Mobility for Science day Kick off meeting of IEEE and Pune Knowledge Cluster : Pune Section Jt. Chapter, PE31/IA34	14
2/26/2022	YP00120	Accelerating the career growth in the industry Career Path Discovery Series (CPD) IEEE YP : Pune Section Affinity Group, YP	50
2/26/2022	CH10593	National Science Day Program on Electric and Sustainable Mobility : Pune Section Jt. Chapter, PE31/IA34	75
3/2/2022	R00120	IEEE Affiliated Smart City : Pune Section	5
3/12/2022	YP00120	Career Opportunities in Cyber Security Career Path Discovery Series (CPD) IEEE YP : Pune Section Affinity Group, YP	50
3/12/2022	R00120	"Smart City solutions- Shaping the future of city' - Panel discussion . Tata Consultancy Services and Pune Smart City corp. association":	95
3/15/2022	CH10982	Workshop on Python Programming FOR STUDENTS : Pune Section Chapter,IM09	40
3/22/2022	R00120	Visit to Indian Institute of Science Education and Research	5
3/31/2022	CH10588	Seminar on benefits of IEEE Student membership : Pune Section Chapter,C16	60
4/4/2022	STB13901	Industry Expert Lecture on Incorporation of Electric Springs in Renewable Energy Based Systems_Education Week 2022 : Symbiosis Institute of Technology-Pune	55
4/5/2022	STB13901	Industry Expert Lecture on Cloud based Human Capital Management _Educational Week 2022 : Symbiosis Institute of Technology-Pune	40

4/6/2022	STB63161	Building your Personality with IEEE and Raghvan Koli : All India Shri Shivaj Mem Soc Inst of Info Tech	75
4/6/2022	STB13901	Industry Expert Lecture on “Cloud Robotics” A synergy between Robotics and Cloud Computing _ Educational Week 2022 : Symbiosis Institute of Technology-Pune	65
4/7/2022	STB11434	IEEE MGA Volunteer Training(VoLT) Program - Education Week 2022 : Symbiosis Inst of Computer Studies and Research	34
4/7/2022	STB13901	Expert Lecture on “Projects and Publications: Selection, Methods and Process_ Educational Week : SIT-Pune	96
4/21/2022	R00120	Industry collaboration - KMDB TCS Platform , : Pune Section	6
4/22/2022	R00120	IEEE AI certification program proposal from Pune Section	5
4/22/2022	R00120	Industry collaboration -IEEE Blended Learning program TCS iON	7
4/26/2022	STB66435	Membership Drive : Smt. Kashibai Navale College Of Engineering	16
5/14/2022	CH10982	Educational Visit to Giant Meter wave Radio Telescope at Khodad, Near Narayn Gaoan, Pune District : Pune Section Chapter,IM09	20
6/3/2022	CH10982	NATIONAL LEVEL PROJECT COMPETITION FOR IMS PUNE CHAPTER - FINAL EVENT. : Pune Section Chapter,IM09	50
6/3/2022	CH11003	Jt Chapter meeting : Pune Section Jt. Chapter,IE13/PEL35	n/a
6/25/2022	R00120	Workshop: Managing Professional development . In association with TEMS - for Academia & Industry professionals : Pune Section	35
8/20/2022	CH10779	Eureka Team meeting-03 : Pune Section Chapter, E25	10
8/22/2022	R00120	BindasBol initiative for conversational English : Pune Section	75
8/27/2022	CH10779	Eureka Team meeting-04 : Pune Section Chapter, E25	10
9/5/2022	CH10779	Eureka Team meeting-05 : Pune Section Chapter, E25	13
9/6/2022	CH10586	Opportunities and Initiatives at Tata Consultancy Services : Pune Section Chapter, SP01	155
9/8/2022	R00120	Workshop: Managing Professional development . In association with TEMS - for Academia & Industry professionals : Pune Section	50
9/13/2022	CH10779	Eureka Team meeting-06 : Pune Section Chapter, E25	230
9/21/2022	CH11014	Series of Keynote/Session on Advancement in Robotics and Industrial Automation : Pune Section Jt Chapter,RA24, CS23	85
9/22/2022	CH10982	Tutorial during The Conference I4Tech 2022 : Pune Section Chapter,IM09	20
9/22/2022	R00120	IEEE Day Celebration 2022 “ IEEE Pune Section : Pune Section	35
9/23/2022	CH10982	International Conference on Industry 4.0 Technology 2022 : Pune Section Chapter,IM09	100
9/24/2022	CH10982	International Conference on Industry 4.0 Technology 2022(I4Tech 2022) 2nd Day : Pune Section Chapter,IM09	50

10/6/2022	STB11424	Industry Institute Interaction : MIT ADT University	11
10/13/2022	CH10586	National Technical and Non-Technical Event : FestX 2.0 2022-23 : Pune Section Chapter, SP01	325

B.4 Students Activities

The total number of student branches currently under IEEE Pune section are: 30

Number of Student Branches formed in the current year

1. Nutan Maharashtra Institute of Engineering and technology
2. Smt. Kashibai Navale College of Engineering, Pune
3. Vishwakarma Inst Of Information Technology

Section level student activities (student congress, paper and other contests, awards etc)

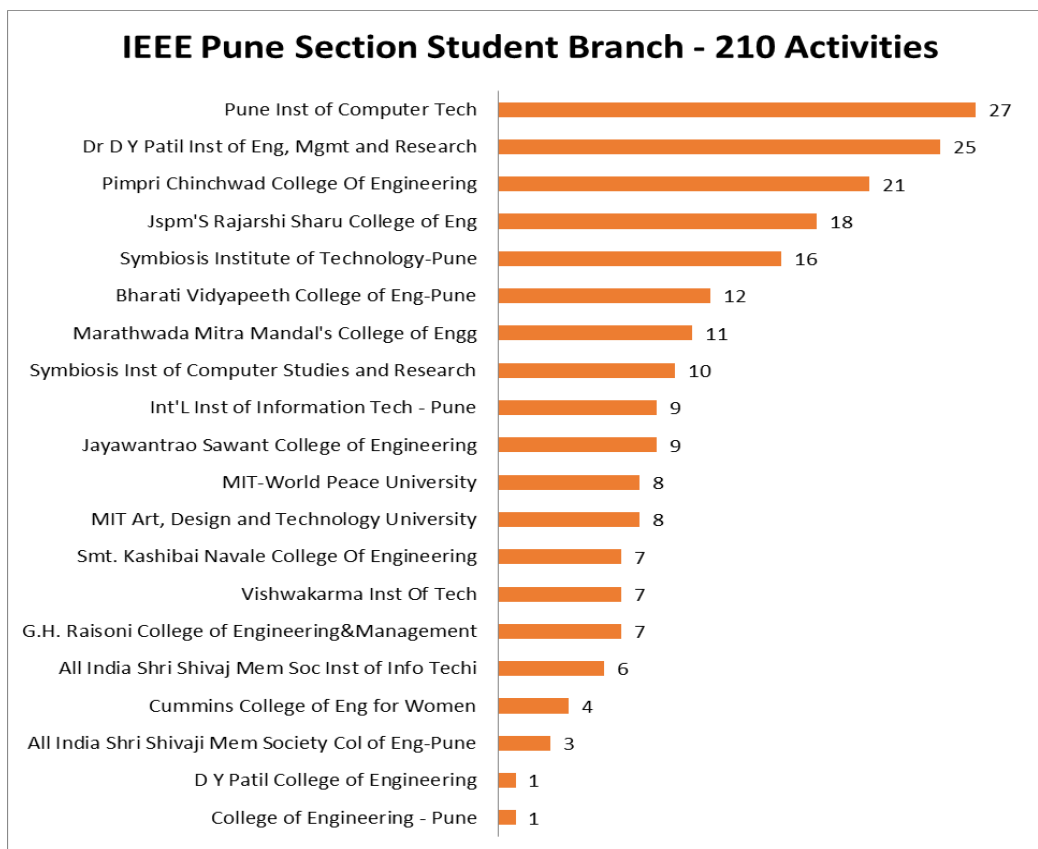
1. **AISYWLC:** AISYWLC is the IEEE India Council's annual flagship event, providing a venue for young professionals, academicians, researchers, entrepreneurs, and technocrats from many sectors and occupations to gather and share a single stage. This year's AISYWLC was conducted in magnificent style in Pune, India from October 7th to 9th, 2022. This year's AISYWLC was attended by various IEEE section members from all around India. This three-day event featured a variety of technical, nontechnical, networking, and fun programs. The following tracks are available at this event: Student Track, Professional Track, Women in Engineering Track, and Life Member Track. Various dignitaries such as CA Rachana Ranade, Ms. Nirali Bhatia, Ms. Shalaka Verma, Mr Koruthu Varughese, Mr Murlidharan and Dr G. S. Mani delivered engaging lectures on various topics. A panel discussion was conducted and the 25th years WiE celebration was done.
2. **Eu-Reka 22:** Major aim of Eu-Reka program is to raise the National High school Science & Technology literacy level using college youth as 'Ambassadors of Education'. The main objectives of Eu-Reka are: to expose high school students to advanced state-of-art technologies , encourage girl students in high schools for higher education thus promoting gender equality, motivate high school students to pursue higher studies in S & T and thus reduce drop-out rates at high schools, provide an opportunity for college students to interact with high school students at urban and rural schools and share their knowledge in advanced technologies and work towards educational inclusiveness by reducing disparity between urban and rural literacy at high school levels. The registration of Eu-Reka 22 started on 10 August. The competition is still ongoing.
3. **Blogathon 2.0:** IEEE Pune Section, in collaboration with Beyond Conversations-A Podcast by IEEE Pune Section, organized "BLOGATHON 2.0," a blog writing competition. The event was planned for the month of February. In this contest, participants were encouraged to choose a thought-provoking picture from the available alternatives and write down their thoughts about it, encouraging them to think creatively. Each participant was given one week to submit their blogs. We received more than 20 blog contributions from students from various colleges.
4. **Storytelling competition:** IEEE Pune section's EKAM group, in collaboration with the Raja Dinkar Kelkar Museum, hosted a story-telling competition on March 3rd. This event was streamed live on the Zoom platform. There were about 40 guests in attendance, and 12 pupils competed. Mr. Pankaj Mishra, Mrs. Sanjivani Joglekar, and Mr. Jagdish Choudhary served on the event's judging panel. The participants of the competition had sent their audio clips of their respective story and these clips were played sequentially one by one. The judges gave them points on the basis of content of the story, its elements, the brevity & clarity of the story teller, and the key message delivered. The stories were narrated in all languages i.e Marathi, English and Hindi.

At the end of the event the judges gave their reviews about the stories of the participants while the results were being calculated.

5. **SAC Handover ceremony:** On 12th March 2022, Handover Session for newly selected IEEE Pune SAC Committee was conducted in offline mode at High Garden, 8th Floor, Next Gen Avenue, Off Senapati Bapat Road, Behind ICC Trade Tower, Bahiratwadi, Pune 411016. This session was conducted to handover the responsibility to newly selected SAC committee members. Execom Committee members, Ex SAC team members and new SAC team members were present at the session.
6. **Managing your Professional Development:** IEEE Pune section organized a workshop on 26th of June 2022 on the topic of “Managing your Professional Development”, for IEEE Professional Members. It was conducted in association with TEMS(Technology and Engineering Management society) and with the support of Tata Consultancy Services. The venue for the workshop was the Maharashtra Chamber of Commerce, Industries and Agriculture. Over 20 Professional members along with some of the section EXECOM members attended the workshop. The participants worked towards shaping up their own personal development plan based on the learnings from the workshop and guidance from the working group mentors. The workshop motivated the participants towards professional growth. It provided helpful inputs and advice, and explored possible challenges in development and how they can be overcome through collaboration, networking and so on. As a whole, the workshop was received enthusiastically by the attendees, and was overall a great initiative

25 Student branches are active and have reported on vTools throughout the year.

Summary of Student Branch activities (Student Branch wise with attachment table/information)



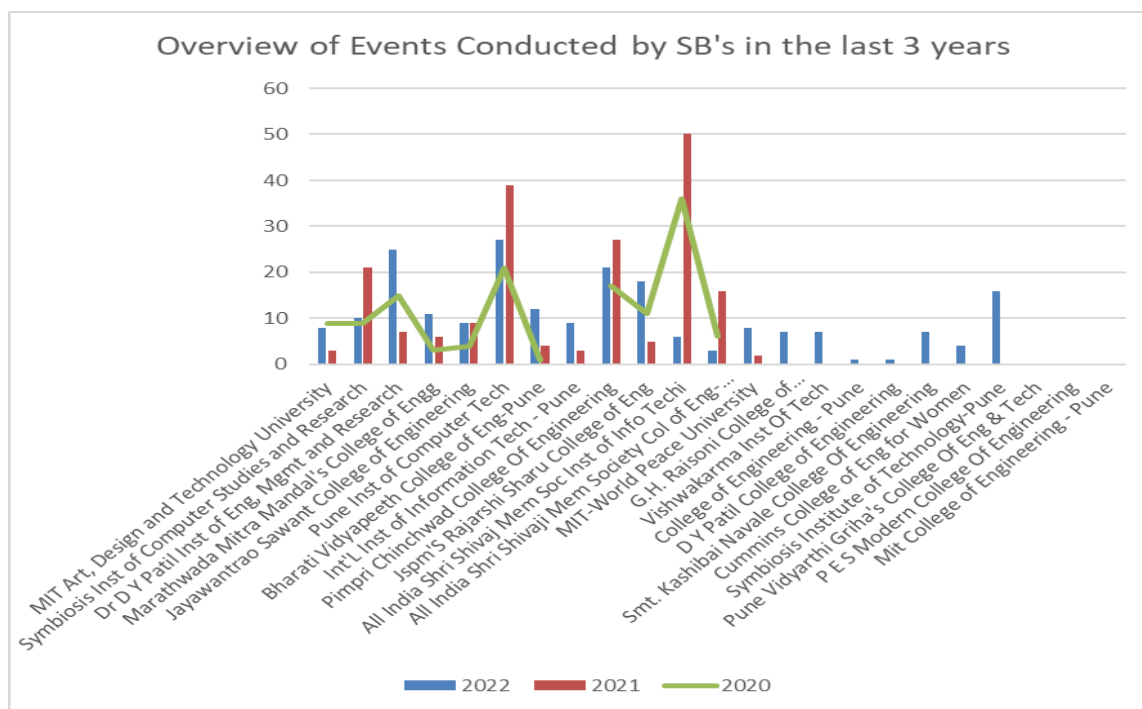


Figure 4. Overview of Events Conducted by Each SB in the past 3 years

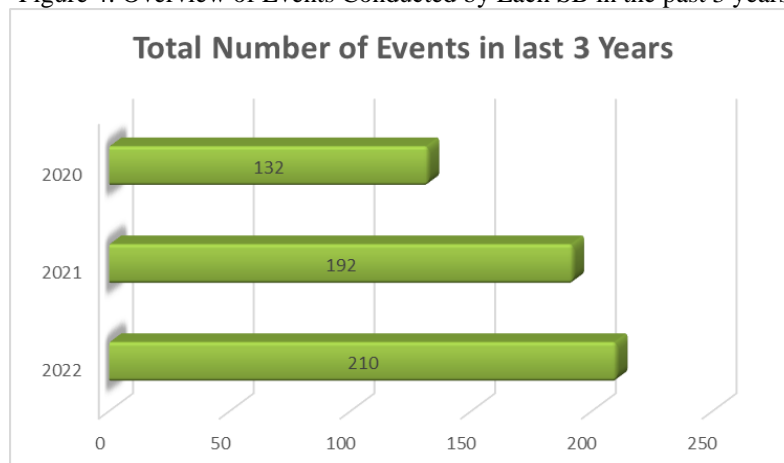


Figure 5. Total number of events conducted by SB's in the last 3 years

Overall, there has been a **60% increase** in the number of events conducted by SBs since 2020

B.5 Affinity Group Activities.

Young Professional (YP)

The Young Professionals Affinity Group of the IEEE Pune Section has organized sessions on topics like understanding career opportunities in the IT industry, accelerating career growth in the industry, and career opportunities in cyber security throughout the year. In AISYWLC'22, which is the annual flagship event of the IEEE India Council and was hosted by the IEEE Pune Section this year, the Young Professionals track witnessed an array of informative and engaging sessions, including The Skill Drill, Benefits of Being a YP, and Systematic Inventive Thinking. The sessions were designed to cater to the expectations of the delegates and encouraged them to continue to collaborate and participate in similar activities in the future as well.

Women In Engineering (WIE)

The Women in Engineering Affinity Group of the IEEE Pune Section has witnessed various events throughout the year. Events were widely conducted in association with student branches on Women's Day. Together with RSCOE IEEE WIE Affinity Group, MIT ADT University WIE Affinity Group put on a talk show about

empowering and equalizing women. The women Execom members of our section addressed the audience on this occasion. A speech and poetry competition on the occasion of International Women's Day was organized by the IEEE Pune section affinity group in association with the MIT ADT University WIE affinity group and the RSCOE IEEE WIE affinity group. The prizes of Rs. 1000 and Rs. 500 for the first and second places, respectively, were awarded to the winners. The WiE track in the AISYWLC'22 saw a lot of insightful and engaging sessions. Amazing sessions of the pioneer women in finance, tech-industry and cyberpsychology fields were invited to address the congress. CA Rachana Ranade conducted a session on investing the right way. Ms. Nirali Bhatia gave an introduction to cyber psychology, which is an important concept in today's digitized world. Ms. Shalaka Verma, who works at Microsoft, delivered a session on how men and women in tech can achieve success if they work in the right direction. AISWYLC'22 celebrated WiE' 25 years completion. Dignitaries like Dr.Shailaja Patil and Dr Ramalatha Marimuthu spoke in this session.

IEEE Pune SIGHT

IEEE SIGHT is a global network of groups consisting of IEEE members and volunteers who identify and address local problems by applying their technical skills and partnering with their local communities.

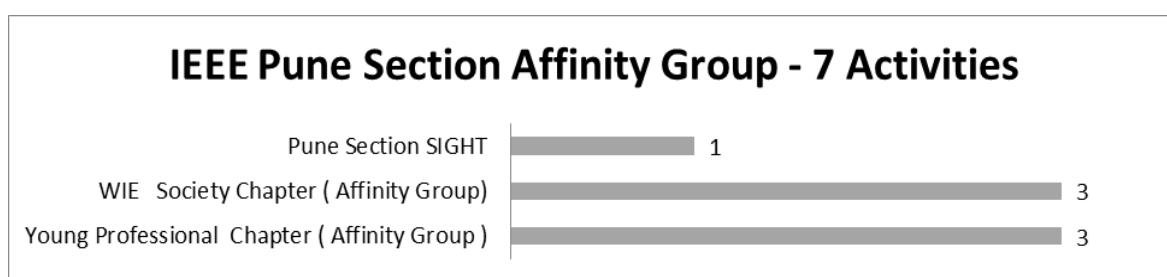


Figure 7. Overview of Affinity Group Activities

B.6 Awards & Recognition Activities

The awards won by the Pune section in year 2022:

1. Region 10 Outstanding Large Section Award
2. R-10 Outstanding EA (Educational activities) award
3. Won the B. G. Park Contest at R10 SYWLC 2022

Awards won by IEEE Pune section's student branches:

1. Pimpri-Chinchwad College of Engineering: IEEE Regional Exemplary Student Branch Award 2022
2. Marathwada Mitra Mandal's College of Engineering: IEEE IC Outstanding Emerging Student Branch Award 2022

Awards won by IEEE Pune section's members:

1. Dr Neha Sharma: Region 10 Outstanding Volunteer Award
2. Nupur Kulkarni: Shri. Pralhad P. Chhabria Award 2022
3. Swapnil Mane: University of Bristol the Narotam Sekhsaria Post Graduate Studies Scholarship 2022-23
4. Vaishnavi Nair : Won an Ideathon under Young Professionals at SYWLC'22
5. Prashant Joshi: 2022 Organizational Supporting Friend of IEEE Member and Geographic Activities Award
6. Shreya Ekande: Darrel Chong Student activity award- Silver
7. Devang Pingle: IEEE IC Outstanding Student volunteer Award 2022

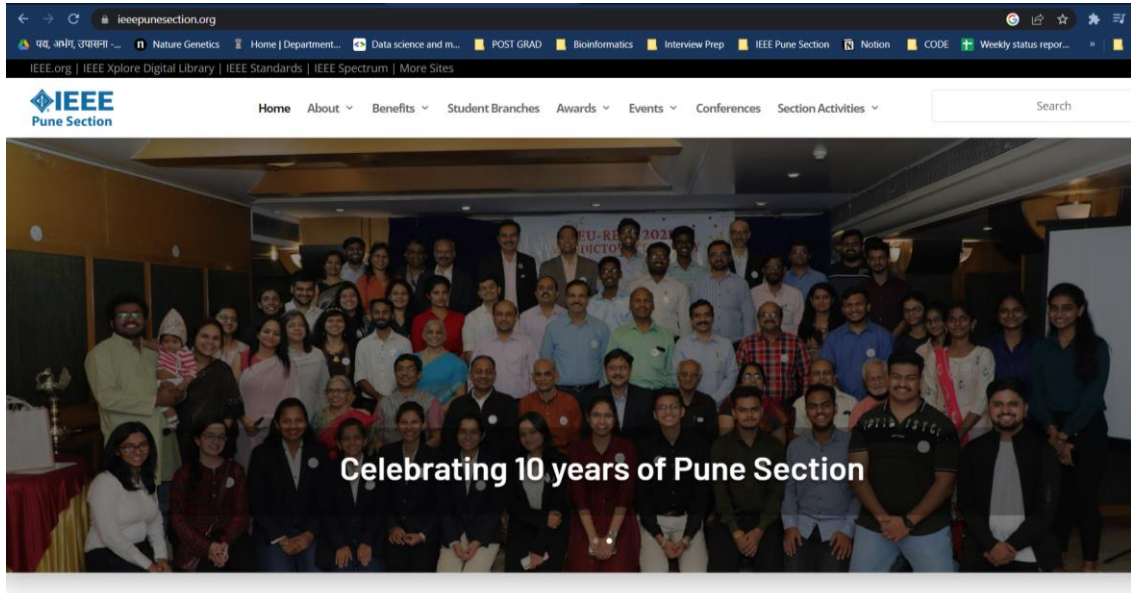
B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

Reminiscence:

This year, the Pune section newsletter team has published one issue per month on a consistent basis. There have been ten issues thus far. The issues are all listed on the section's LinkedIn profile. The newsletter covers every event held in the sector, as well as its student branches and affinity

organizations. Every month, the newsletter team distributes a blog form. Every month, these blogs are featured in the newsletter. The newsletter serves as a medium for informing our section's members about upcoming activities, honors won by section members, and our section's membership count.

Home Page of the Section:



- URL of IEEE Pune Section's page : <https://ieeepunesection.org/> (The website is updated weekly.)
- Other means of contacts with Section members including social media. The other means of contact with the section members are:
 1. **Whatsapp:** Six WhatsApp groups have been setup to include all IEEE Pune section student members. These WhatsApp groups are used to keep members up to date on section events and other news.
 2. **Instagram:** The IEEE Pune section's Instagram profile is updated prior to each event held by the section. People nowadays tend to check social media the most during the day. Members are thus notified via Instagram posts and stories.
 3. **LinkedIn:** LinkedIn has a large number of senior members. Senior and student members are kept up to date on activities via the LinkedIn network. The monthly newsletters are also released on the LinkedIn page for the Pune section.

B.8 Humanitarian Technology Activities

The Humanitarian Activities carried out in the section were from different sectors such as Agriculture and Education. A total of 6 activities were conducted in collaboration with MIT ADT University, IEEE Educational Society, Symbiosis Institute of Computer Studies and Research, Int'L Inst of Information Tech and Vishwakarma Institute of Technology.

Table 2. Overview of Humanitarian Technology Activities

Event Date	SPOID	Event Description	Attendees
26/01/2022	STB11424	Social and Humanitarian activity by Digital Donation campaign by MITADT University, Pune ,Meta Social, IEEE Education Society, Pune Section : MIT Art Design and Technology University	110

02/02/2022	STB11424	SERVICE TO MAN IS SERVICE TO GOD:MIT ADT University and IEEE Educational Society, Chapter, Pune Section & IETE Pune Centre visited GANGA TARA OLD AGE HOME, at Hadpsar, PUNE : MIT Art Design and Technology University	67
03/02/2022	STB11424	Distribution of Educational Kits for School Children : MIT Art Design and Technology University	80
05/04/2022	STB11434	Visit to Pabal Vigyan Ashram : Symbiosis Inst of Computer Studies and Research	4
27/05/2022	STB62831	Inauguration of Affordable Agriculture Lab : Int'L Inst of Information Tech - Pune	65
15/08/2022	STB31441	Social Visit : Vishwakarma Inst Of Tech	30

B.9 Community Activities

Overview of the Events: -

1. The total number of events conducted from November 2021 onwards - **74**
2. The amount incurred towards social activities is **Rs. 150000/-** for Annual General Meeting expenses and Professional meeting (Execom)

PART C - OTHERS

C.1 Special Events

Funding secured from the IEEE and external sources including sponsorships

Table 3. Fundings Secured from IEEE and External Sources for Special Events

Name of the Funding	Amount Awarded	Event for which funding was required
AESS Society Support	\$513	AI SYWLC'22
YP Joint Activity Fund	\$1,500	AI SYWLC'22
YP R10	\$400	AI SYWLC'22
WiE	\$400	AI SYWLC'22
WiE R10	\$400	AI SYWLC'22
SPAX	\$450	AI SYWLC'22
SPS	\$500	AI SYWLC'22
HTA Collaboration	\$1,500	AI SYWLC'22

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

Nature of relationship and details of any formal agreement signed –

Signed MoU with IEEE North Jersey Section, SPPU, Pune Smart City, MCCIA, PKC, PIC

Details of joint activities

Humanitarian Activities, Pre – University Education, STEM to STEAM Initiatives, Faculty and Student Exchange Programs, Trainings (Technical & Non-Technical), Conferences, Seminar, Events & Activities etc, Initiatives by Special Interest Groups

Benefit to IEEE members

Discounts, Mentorship, Internship, Access to technical information

Benefit to Section

Membership development, Member engagement, Creation of Technical Pool, Venue facilities, Cost saving

Collaboration with other IEEE Sections/ Subsections/Chapters/ SB's

Table 4. Summary of Collaborative Events

Event Date	Event Description	SB/Chapters/Sections involved
16/12/2022	Webinar on Sequence Models: Introduction and Applications	Bombay Section Chapter SP01 and Symbiosis Institute of Tech, Pune
03/11/2022	Serverless Computing Opportunities and Challenges	Bombay Section Chapter SP01 and Symbiosis Institute of Tech, Pune
07/10/2022	AISYWLC 2022	R001, R00120 (IC and Pune section)
22/09/2022	Education 4.0- ICT AND EMERGING TRENDS	SICR, G.H.Raisoni, Symbiosis Institute of Technology
23/08/2022	Workshop on Design Thinking	SICR, G.H.Raisoni, Symbiosis Institute of Technology
22/08/2022	An introduction to Supervised and Unsupervised Learning: A hands on-approach	SICR, G.H.Raisoni, Symbiosis Institute of Technology
23/08/2022	Workshop on Basics of Reinforcement Learning	SICR, G.H.Raisoni, Symbiosis Institute of Technology
24/08/2022	Workshop on Data Engineering	SICR, G.H.Raisoni, Symbiosis Institute of Technology
25/08/2022	Workshop on Basics of Cloud Computing	SICR, G.H.Raisoni, Symbiosis Institute of Technology
26/08/2022	Workshop on SAP HANA (Cloud and Data Engineering Workshop)	SICR, G.H.Raisoni, Symbiosis Institute of Technology
29/07/2022	Workshop on Bombay Stock Exchange - "Capital Market Awareness"	Pune Section chapter TEM14, SICSR
22/07/2022	My Story series -Entrepreneur Talk	Pune Section chapter TEM14, SICSR
12/02/2022	Technify	MMCOE & DYPIEMR
03/02/2022	Distribution of Educational Kits for School Children	MITADT & Education society chapter Pune
03/02/2022	Innovative Project Exhibition	MITADT & Education society chapter Pune

03/02/2022	Social and Humanitarian activity by Digital Donation campaign by MIT-ADT University, Pune ,Meta Social, IEEE Education Society, Pune Section	MITADT & Education society chapter Pune
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PART D - GOALS AND PLANS

D.1 Strategic Plans for Sustainable Growth and Financial Stability.

Table 4. Summary of Strategic Plans for Sustainable Growth and Financial Stability.

Date	Activity	Strategic Plan	Responsible/Accountable/Contributor
October	Plan IEEE Day celebration events	Retention & Engagement – 100% of existing members	IEEE day Coordinator
August- Sep- Oct	Plan Membership Drive - to coincide with IEEE headquarter promo offers	Recruitment – At least 500 new members	Chair, MD committee
July	Plan new student Branch formation and Society Chapter formation	Recruitment, Retention, Engagement At least 2 new branches and 2 new societies	Chair, Pune section Chair, Student Activity Chair, MD committee Chair, Society Coordinator
December	Senior Member Elevation Event	Recruitment, Retention, Engagement Elevating at least 10 members to Senior. Members	Chair, Pune section
February	SIG Health care & Agriculture activities & and expansion	Retention, Engagement At least 2 new projects to be initiated	Chair SIGHT committee
Monthly	STEM to STEAM activities	Retention, Engagement	Chair, Education Society
January	WIE Symposium	Recruitment, Retention, Engagement Increase at least 20 WIE members	Chair, WIE
September- October	Student's congress	Recruitment, Retention, Engagement Increase participation by 10%	Section Student Representatives Chair, Student Activity committee
January - February	Student Council appointment	Recruitment, Retention, Engagement New membership by at least 25	Chair, Student Activity committee
November December	PuneCon	Engagement Increase participation by 10%	Chair, Pune Section Chair
Throughout the year	Distinguished Lecture Series – Chapter wise	Engagement Increase number of lectures by 10%	Related Society Chairs

March	IEEE Lab activities & Project Mentorship- By IEEE SMEs	Retention, Engagement Increase number of projects & activities by 10% Addition of new SMEs – at least 4	Chair, Education Society
April	Student branch event sponsorship	Recruitment, Retention, Engagement At least 2 activities of each Student branch will be sponsored (Technical knowledge partner and Financial supporters)	Chair, Pune Section
June	IEEE Co-Sponsored conferences (Technical partner)	Recruitment, Retention, Engagement Sponsor at least 5 conferences	Chair, Pune Section And Chair, Conference Committee
Throughout the year	Industry linkage, Interactions	Recruitment, Engagement– Increase the linkage by 10%	Chair, IR Committee
Throughout the year	Industrial visits	Retention, Engagement Increase the visits by 10%	Chair, IR Committee