

IEEE Pune Section Report – 2024

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 (R00120) 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 2173 other members, including student members. There are 26 IEEE Student Branches in different Engineering/management Colleges in and around Pune City.

A.1 EXECUTIVE SUMMARY: The journey of Pune section started fourteen years ago in June 2010 and since then there is no looking back. Every student and professional member as volunteer contributed significantly to the growth of the section. The year 2024 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 advancing and utilising technology for the humanity, to collaborate and to organize useful and outcome-based events throughout the year.

This year, IEEE Pune section has conducted and reported 417 events under 05 categories, i.e., Technical (209), Non-technical (52), Professional (100), Humanitarian (10), Pre-U Stem Program (10) and Administrative (36). The year was full of activities consisting training programs, workshops, seminars, expert sessions, conferences, presentations etc. event conducted 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.

IEEE Pune Section volunteering contribution was not only limited to the Section, our volunteering heroes like Dr. Surekha Deshmukh, Dr. Rajshree Jain, Dr. Rajesh Ingale, Dr. Vinayak Bairagi, Prof. GS Mani, Mr. Dhiraj Mani Chaurasiya, Mr. Rakshit Jain, etc represented the section at national and International level committees and portfolio as pride of our section.

The year 2024 brought various recognitions to the section as Prof. Mandar Khurjekar become the life senior member, IEEE collaborative PMC Care bagged award, JCAME (Joint Society Chapter) bagged the best APS Chapter Award-2024, Prof. G. S. Mani bagged the prestigious Ulrich Rodhe award-2024, Dr. Pranavmoorthy Balasubramaniam won the IEEE Power and Energy Society Chapter Outstanding Engineer Award-2024, Mr. Rakshit Jain become the Outstanding Student Volunteer-2024 for IEEE India Council. Listing these milestones, each and every volunteer worked hard and contributed full of capacity, IEEE Pune Section taking this opportunity to express heartily gratitude towards their invaluable contribution and efforts to grow the section.

- **Section Executive Committee Member List:**

| Sr. No. | Society/Committee | Chair/Coordinator |
|---------|--|----------------------------------|
| 1. | Chair | Dr. Surekha Deshmukh |
| 2. | Vice-Chair | Dr. Amar Buchade |
| 3. | Secretary | Abhijit Khurape |
| 4. | Treasurer | Dr. Mandar Bhawalkar |
| 5. | Section Chapter Coordinator | Prof. Mandar Khurjekar |
| 6. | Computer Society Chapter | Mr. Gorakhnath Ghadage |
| 7. | Communication Chapter | Dr. Makrand Jadhav |
| 8. | Education Society | Dr Rajshree Jain |
| 9. | Aerospace and Electronic Systems Society | Dr. V. V. Shete |
| 10. | PES/IAS Chapter | Dr. Mrs. Geetanjali Vaidya |
| 11. | Signal Processing Society Chapter | Dr. Varsha Harpale |
| 12. | Instrumentation and Measurement | Prof. Mandar Khurjekar |
| 13. | Joint Chapter of AP, MTT, EMC (JCAME) | Dr. G. S. Mani (Past Chair-2017) |
| 14. | TEMS (Technology and Engineering management Society) System Council | Mr. Prashant Joshi |
| 15. | Robotics & Automation and Control Systems, Societies (Joint Chapter) (RA&CS) | Dr Shantipal S Ohol |

| Sr. No. | Society/Committee | Chair/Coordinator |
|---------|---|---|
| 16. | Industrial Electronics and Power Electronics, Societies' (Joint Chapter) (IE & PE) | Dr. S. L. Patil |
| 17. | Engineering in Medicine Society (EMBS) | Dr. Reena Pagare |
| 18. | Consumer Technology Society (CT) | Dr. Suresh Limkar |
| 19. | Computational Intelligence Society (CIS) | Dr. Jayashree Prasad |
| 20. | Sensor Council Chapter | Dr. Vivek Deshpande |
| 21. | WIE Affinity Group | Dr. Priya Gokhale |
| 22. | Young Professional | Mr. Dhiraj Mani Chaurasia |
| 23. | SIGHT | Dr. Amar Buchade |
| 24. | Student Activity Committee | Dr. Sunil Somani |
| 25. | Educational Activities | Dr Rajshree Jain |
| 26. | Website | Mr. Dhiraj Mani Chaurasia |
| 27. | Newsletter | Dr. Ashpana Shiralkar |
| 28. | Membership Development, Industry Relations | Mr. Dinanath Kholkar (Past Chair-2018-19) |
| 29. | SIG on Affordable Agriculture | Mr. Jagdish Chaudhari |
| 30. | SIG on Healthcare | Dr. Amar Buchade |
| 31. | SIG Smart City | Mr. Tushar Mote |
| 32. | SIG Renewable Energy | Dr. Surekha Deshmukh |
| 33. | Awards | Mr. Tushar Mote |
| 34. | Conference | Dr. Vivek Deshpande |
| 35. | | Dr. P. B. Mane |
| 36. | Past Chair (2010-11) | Dr. Bharat Chaudhari |
| 37. | Past Chair (2012) | Dr. Avinash Joshi |
| 38. | Past Chair (2013) | Dr. Dattatray Doke |
| 39. | Past Chair (2014) | Dr. Rajesh Ingle |

| Sr. No. | Society/Committee | Chair/Coordinator |
|---------|----------------------|--------------------|
| 40. | Past Chair (2015-16) | Dr. Pradeep Sinha |
| 41. | Past Chair (2020-21) | Mr. Girish Khilari |

• **Section Highlights:**

- IEEE Pune Section formed in 2010 and is one of the youngest sections.
- 15 Professional Chapters consists 21 IEEE Societies.
- 05 Joint Chapters & 09 Student Branch Chapters
- 01 Council: Sensor
- 01 Joint Chapter Council TEMS + Systems Council
- 02 Affinity Groups: (WIE, Young Professionals)
- 05 Special Interest Groups: Affordable Agriculture. Healthcare, Smart City, SIGHT, Renewable Energy
- 01 Work group: Block Chain
- **Focused Groups:** Awards, Student Activities, Conference, Industry Relations, Membership Development, Website, and newsletter
- **Total number of Student Branches : 26**
- **Total Number of Activities in 2024: 417**

| Sr. No. | Activity | No. of Activities |
|--------------|----------------|-------------------|
| 1. | Professional | 100 |
| 2. | Technical | 209 |
| 3. | Non-Technical | 52 |
| 4. | Admin | 36 |
| 5. | Humanitarian | 10 |
| 6. | Pre-University | 10 |
| Total | | 417 |

➤ **List of Significant Activities:**

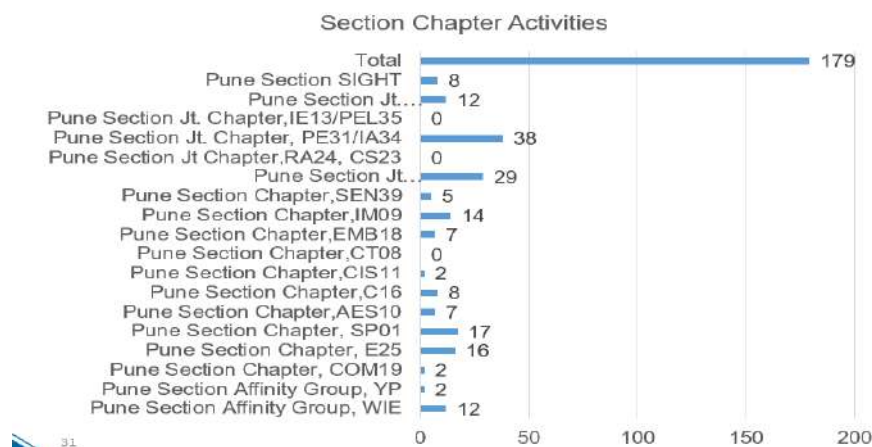
| Event Date | Event Description | Hosted By |
|--------------------------------|---|-----------------------------|
| 29 th February 2024 | Online Seminar on "Introduction to Transfer Learning" | Pune Section Chapter, COM19 |
| 18 th January 2024 | Embedded AI Challenge, poster presentation competition | Pune Section Chapter, SP01 |
| 17 th February 2024 | Online session on MATLAB python Interoperability for AI Application | Pune Section Chapter, SP01 |
| 20 th January 2024 | Hardware integration with MATLAB for Deep learning | Pune Section Chapter, SP01 |
| 18 th January 2024 | Expert Session on Network Security | Pune Section Chapter, SP01 |
| 13 th February 2024 | Expert Lecture on Stress Management | Pune Section Chapter, SP01 |
| 19 th January 2024 | Embedded AI : Poster Competition | Pune Section Chapter, SP01 |
| 08 th August 2024 | A session on Advance TCMS System Communication for Transportation | Pune Section Chapter, SP01 |

| Event Date | Event Description | Hosted By |
|--------------------------------|--|---------------------------------|
| 10 th August 2024 | An Awareness session on Project Development | Pune Section Chapter, SP01 |
| 31 st August 2024 | ETSA-IETE-IEE SPS INDUCTION PROGRAM 2024-25 | Pune Section Chapter, SP01 |
| 12 th August 2024 | Session on Sustainable Technologies and Solutions for a Greener Tomorrow | Pune Section Chapter, C16 |
| 12 th August 2024 | Session on Career Initiation, Ignition from Academia to Industry | Pune Section Chapter, C16 |
| 12 th August 2024 | Session on Difficulty to Ease: A journey with GEN AI and NLP | Pune Section Chapter, PE31/IA34 |
| 12 th August 2024 | Session on Solution Formation through Design Thinking Workshop | Pune Section Chapter, PE31/IA34 |
| 12 th August 2024 | Session on Student Empowerment through IEEE | Pune Section Chapter, PE31/IA34 |
| 10 th August 2024 | Tech X Pune | Pune Section Chapter, PE31/IA34 |
| 24 th August 2024 | International Conference on Intelligent Systems and Advanced Applications | Pune Section Chapter, PE31/IA34 |
| 17 th August 2024 | IEEE International Conference On Blockchain And Distributed Systems Security 2024 | Pune Section Chapter, PE31/IA34 |
| 10 th February 2024 | Launching of Energy and Environment Laboratory at JSPM's JSCOE, Pune | Pune Section Chapter, PE31/IA34 |
| 28 th February 2024 | 2023 IEEE PES Outstanding Engineer Award ceremony | Pune Section Chapter, PE31/IA34 |
| 28 th February 2024 | Flagship event - Third Late Shri. D. M. Tagare Memorial Lecture | Pune Section Chapter, PE31/IA34 |
| 21 st April 2024 | Panel Discussion on EV First Nation First Road map towards Sustainable Transportation and Ecosystems | Pune Section Chapter, PE31/IA34 |
| 22 nd April 2024 | Celebration of PES day 2024 based on theme Empowering Electric Mobility Innovation | Pune Section Chapter, PE31/IA34 |
| 25 th May 2024 | The MoU between the IEEE Pune Section, PES-IAS Chapter of IEEE Pune Section Pune, and International Institute of Information Technology, Hinjawadi, Pune | Pune Section Chapter, PE31/IA34 |
| 26 th June 2024 | The MoU between PES-IAS Chapter of IEEE Pune Section Pune, and Marathwada Mitra Mandal's College of Engineering (MMCOE) | Pune Section Chapter, PE31/IA34 |
| 06 th July 2024 | 1st Industry Academia Engagement Workshop on 'Industry 4.0 AI, ML, and Deep Learning Applications in Energy and Environment Engineering | Pune Section Chapter, PE31/IA34 |

| Event Date | Event Description | Hosted By |
|---------------------------------|---|---------------------------------|
| 10 th June 2024 | 5 Days Faculty Development Program on Emerging Trends in Energy Systems | Pune Section Chapter, PE31/IA34 |
| 03 rd August 2024 | 2nd Industry Academia Engagement Workshop on 'Industry 4.0 AI, ML, and Deep Learning Applications in Energy and Environment Engineering | Pune Section Chapter, PE31/IA34 |
| 01 st July 2024 | India Energy Storage Week 2024 | Pune Section Chapter, PE31/IA34 |
| 27 th July 2024 | The MoU between the IEEE Pune Section, PES-IAS Chapter of IEEE Pune Section Pune, and Dr. D. Y. Patil Unitech Society's Dr. D. Y. Patil Institute of Technology | Pune Section Chapter, PE31/IA34 |
| 20 th August 2024 | Inauguration of Power and Energy Society Student Branch Chapter (PES SBC) at JSPM's Rajarshi Shahu College of Engineering, Pune | Pune Section Chapter, PE31/IA34 |
| 09 th June 2024 | IEEE Power & Energy Society (PES) Region 10 West Zone , India Council Chapters Meet | Pune Section Chapter, PE31/IA34 |
| 13 th July 2024 | IEEE PES R10 India Council Chapters Annual Global Workshop (5th) Edition on Resilient Grids: Adapting to Energy Transition | Pune Section Chapter, PE31/IA34 |
| 31 st August 2024 | Late Prof. M.V. Deshpande Memorial Lecture | Pune Section Chapter, PE31/IA34 |
| 20 th August 2024 | The MoU between the PES-IAS Chapter of IEEE Pune Section and JSPM's RSCOE, Pune | Pune Section Chapter, PE31/IA34 |
| 14 th September 2024 | The MoU between PES-IAS Chapter of IEEE Pune Section Pune, and JSPM's JSCOE, Pune | Pune Section Chapter, PE31/IA34 |
| 10 th June 2024 | 5 Days Faculty Development Program on Emerging Trends in Energy Systems Day 4 | Pune Section Chapter, PE31/IA34 |
| 30 th September 2024 | Webinar Series on Career and Start-Up Opportunities in Clean and Green Technology Solutions | Pune Section Chapter, PE31/IA34 |
| 10 th June 2024 | 5 Days Faculty Development Program on Emerging Trends in Energy Systems Day 5 | Pune Section Chapter, PE31/IA34 |
| 27 th May 2024 | Industry Meeting - IEEE PES-IAS Pune with Pune Municipal Corporation | Pune Section Chapter, PE31/IA34 |
| 22 nd June 2024 | ExeCpm Meeting of IEEE PES-IAS Chapter Pune | Pune Section Chapter, PE31/IA34 |

| Event Date | Event Description | Hosted By |
|---------------------------------|--|---------------------------------|
| 02 nd September 2024 | International Symposium on "Niche Areas of Sustainable development, ISNASDâ€™24" | Pune Section Chapter, PE31/IA34 |
| 23 rd December 2024 | A Distinguished Lecture Program (DLP) on 'Challenges and Opportunities of Energy Transition' by Dr. Dean Sharafi | Pune Section Chapter, PE31/IA34 |
| 17 th December 2024 | The roundtable on the topic "Sustainable Lighting: Innovations in Energy Conservation | Pune Section Chapter, PE31/IA34 |

- Major Events (International, National):** The IEEE Pune Section's 2024 events focused on technology, research, and industry collaboration. Key international events included conferences on AI, blockchain, and sustainable development. Industry-academia workshops, MoUs with institutions, and smart city advancements highlighted innovation. Student engagement was promoted through membership drives, IEEE Xtreme, and technical competitions. Humanitarian initiatives like elder care and medical checkups reflected social responsibility. Women in Engineering programs, including Smart Cities safety standards and art-tech exploration, encouraged diversity. Major highlights included the IEEE Milestone event at GMRT and the Student Congress. The year showcased IEEE Pune's commitment to technology, education, and social impact.
- Major Chapter Activities:** The IEEE Pune Section chapters in 2024 focused on AI, cybersecurity, energy, and sustainability. Key events included workshops on Industry 4.0, AI-ML, and embedded AI, along with expert talks on network security and sustainable technologies. Industry-academia collaborations saw MoUs with leading institutions and IEEE PES R10 workshops on resilient grids. Major international conferences covered blockchain, AI, and sustainability. Flagship events included the D.M. Tagare and M.V. Deshpande Memorial Lectures. Student engagement was fostered through IEEE branch inaugurations, career webinars, and faculty development programs. These initiatives promoted research, innovation, and industry alignment across emerging technology domains.



- Major Student and Affinity Group Activities:** IEEE Pune Section actively engaged students in 2024 through membership drives, technical competitions, and innovation

initiatives. Several IEEE Student Branches were inaugurated, fostering academic growth. Events like IEEE Xtreme 18.0 Awareness, project competitions, and Kshitij Talks provided hands-on learning. Humanitarian activities, including renewable energy awareness and medical checkups, emphasized social responsibility. The Student Congress at MIT WPU and INNOVEDA Baby Conference highlighted emerging technologies. Celebrations like IEEE Day and Prayaag 2024 fostered collaboration. These initiatives encouraged skill development, networking, and research, reinforcing IEEE Pune's commitment to empowering student innovation and leadership.



Affinity Group- Yung Professionals

Affinity Group: Women in Engineering



Student Activity Committee Activity glimpses.

- **Awards:** The IEEE Pune Section Awards recognize outstanding contributions and achievements of professionals, researchers, educators, and students in the field of engineering, technology, and innovation. These awards aim to encourage excellence, leadership, and impactful research within the IEEE community.

A.2 Financial Report –

- **Summary:**

| Description | Amount |
|---|--------------|
| Opening Balance as on 1 st Jan 2024 | 27,67,016.11 |
| Receipts during 2024 | 4612243.00 |
| Total Balance | 7379259.11 |
| Payments and Expenditure during 2024 | 6103456.00 |
| Closing Balance as on 31 st Dec 2024 | 1275803.11 |

• **Major Fundings received Revenue /funding received in 2024:**

| Description | Amount Received |
|---|-------------------|
| 2024 Bonus and operating funds of section and chapter support | 1336984.00 |
| 2024 Student Branch Operating Funds | 299,043.00 |
| SPS Seasonal School | 167740.00 |
| AP/MTT/EMC (JCAME) COPE Projects, Workshops, | 2,00,304.00 |
| PES Industry Academia Engagement Program | 16,852.00 |
| EPIC Project Grants (EV and Solar PV Lighting) | 7,73,076.00 |
| Ham Radio Project | 829,631.00 |
| HTA R10 Funding | 41,435.00 |
| CIS Funding | 2,82,828.00 |
| PES HPCP Award and Industry Academia Workshop | 1,67,164.00 |
| Block Chain | 41450.00 |
| Smart Village Project | 1,66,860.00 |
| Total | 4612243.00 |

PART B - ORGANIZATIONAL ACTIVITIES:

B.1 Membership Development Activities:

• **Total number of active members in the past 3 years.**

| Year/Month Members | December 2024 | December 2023 | December 2022 |
|-----------------------|------------------|------------------|------------------|
| Life Fellow | 01 | 03 | 0 |
| Life Senior | 06 | 00 | 0 |
| Life members | 05 | 03 | 0 |
| Senior Members | 136 | 134 | 123 |
| Members | 408 | 414 | 438 |
| GSM | 165 | 131 | 135 |
| Student Members | 1348 | 1392 | 1712 |
| Associate | 03 | 09 | 2 |
| Affiliate | 08 | 04 | 5 |
| SA Member | 01 | 01 | 2 |
| Total | 2080 | 2091 | 2417 |

- **Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members:**
 - **Total Member of Membership Drives: 08**
 - **List of Membership Drives:**

| Event Date | Event Description | Hosted By |
|---------------------------------|---|--|
| 30 th January 2024 | IEEE Membership Drive at GHRCEM: A Resounding Success Unveiling Achievements, Insights, and Dynamic Initiatives | IEEE Pune Section. : G.H. Raisoni College of Engineering & Management, C16 |
| 07 th March 2024 | Membership Drive | Smt. Kashibai Navale College Of Engineering |
| 18 th March 2024 | IEEE SB BVUCOEP Membership Drive | Bharati Vidyapeeth College of Eng-Pune |
| 12 th August 2024 | IEEE SB BVUCOEP MEMBERSHIP DRIVE | Bharati Vidyapeeth College of Eng-Pune |
| 09 th September 2024 | IEEE Pune Section Student Membership Drive 2024 | SICSR : Pune Section |
| 25 th September 2024 | IEEE Pune Section Student Membership Drive 2024 : | G H Raisoni College of Engineering and Management : Pune Section |
| 04 th October 2024 | Ieee Pune Section Student Membership Drive 2024 | COEP Technological University : Pune Section |
| 21 st December 2024 | IEEE Pune Section Student Membership Drive 2024 | STB64321 : Pune Section |

- **Evidences:**



Branch Visit-SICSR



Branch Visit-
BVCOER



Branch Visit-
JSPM's JSCOE



Branch Visit-
GHRCEM



Branch Visit-I2IT



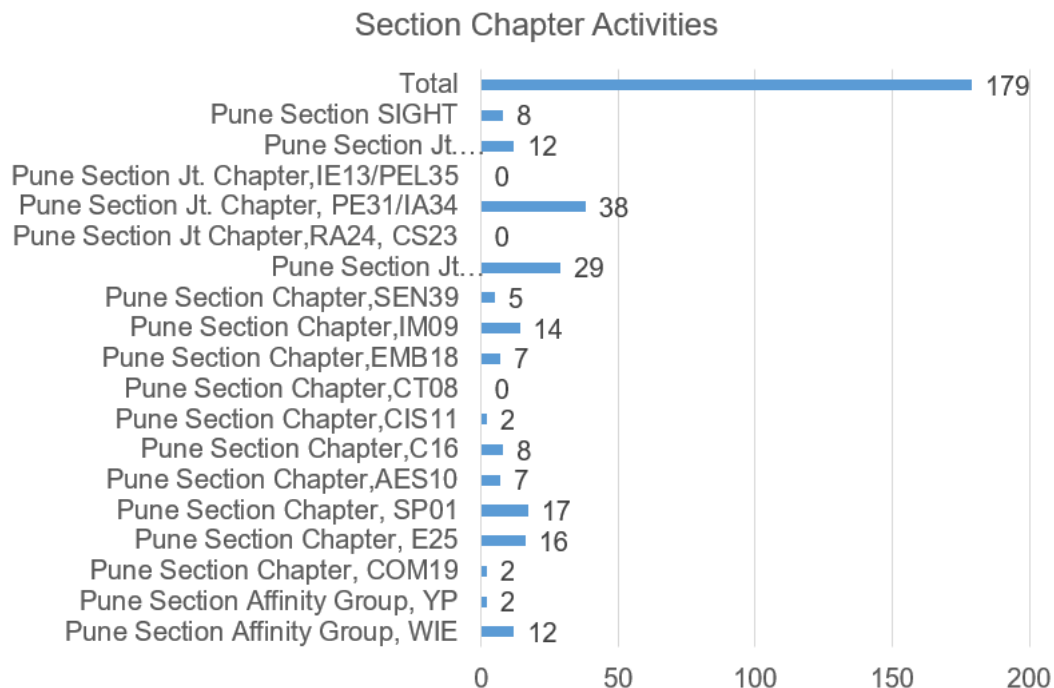
Branch Visit-COEP



AIISYWLC

B.2 Chapter Activities:

- **Total Number of Chapters in the Section: 15.**
- **Number of Chapters formed in the current year: 00.**
- **Number of Active Chapters (Chapters who have reported required number of meetings during the year): 15.**
- **Summary of Chapter activities (Chapter wise with attachment table/information)**



B.3 Professional and Continuing Education Activities: The IEEE Pune Section's Education Society Chapter has made significant strides in professional and continuing education initiatives. Over the past year, the chapter has witnessed remarkable growth in membership, increasing from 27 members in January 2024 to 94 members in January 2025. This expansion reflects a growing interest in the chapter's activities and its commitment to fostering a vibrant community of educators, researchers, and professionals.

To enhance member engagement and capacity building, the chapter has organized several impactful programs. Among these, the Pratima – Digital Sculptures event provided a unique platform for exploring the intersection of technology and art. Additionally, a Faculty Development Program (FDP) on Sustainability was conducted to equip educators with knowledge on sustainable practices in education and industry. A Campus Immersion Program further contributed to professional growth, facilitating interactions between members and industry experts. These initiatives collectively reached over 500 participants, including both IEEE members and non-members, demonstrating the chapter's influence in the region.

Collaboration has been a key focus, with the chapter actively partnering with various IEEE entities, including JCTS WIE AG and IEEE Pune Student Branches from SICSR, GHRCOE, and JSPM. Through these partnerships, the chapter has contributed to major events such as PRAYAAG, EU-Reka, and InCoWoCo, which promote innovation, research, and

interdisciplinary learning. These collaborative efforts have strengthened the chapter's role in advancing educational and professional development opportunities.

Under the leadership of Dr. Rajashree Jain as Chair and Dr. Dimple Pal as Secretary, the IEEE Pune Section's Education Society Chapter continues to drive impactful initiatives. With a strong emphasis on knowledge sharing, skill enhancement, and interdisciplinary collaboration, the chapter is poised to make even greater contributions to the IEEE community and beyond.



B.4 Students Activities:

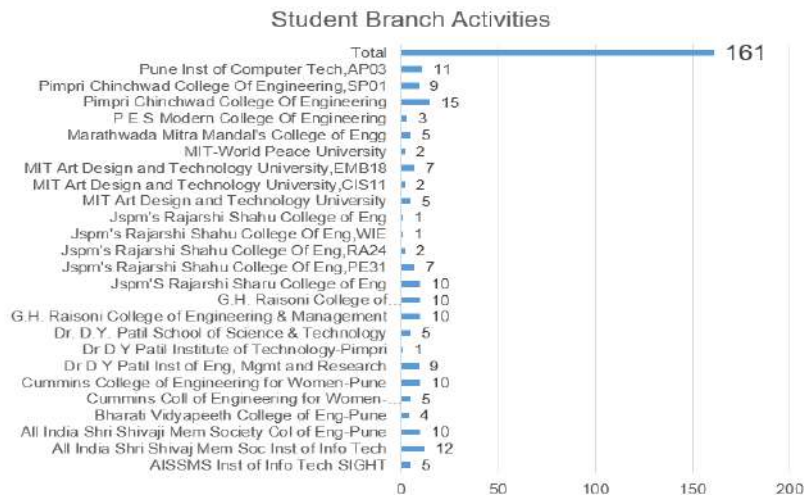
- **Total Number of Student branches in the Section: 25**
- **Number of student branches formed in the current year: 02**
- **Section level student activities (student congress, paper and other contests, awards etc)**
 - **Student Congress:** The IEEE Pune Section's Annual Student Congress (IPSC'24) was held on September 28, 2024, at MIT World Peace University, bringing together 300 students from 20 colleges. The event fostered collaboration, innovation, and leadership through inspiring talks by industry experts, including Dr. Parul Jadhav and Mr. Sunil Somani. Sessions covered AI, sustainability, and student branch achievements. Interactive activities like quizzes and debates enhanced engagement. The day concluded with cultural performances and a vote of thanks. IPSC'24 received positive feedback for its organization and impact, successfully inspiring students to drive technological advancements and sustainable development.



○ **Contests:**

| Event Date | Event Description | Hosted By |
|-------------|---|---|
| 22 Feb 2024 | Debate | Stb31281 |
| 15 Apr 2024 | Electrical Safety Reel Making Contest | Stb63161 |
| 12 Jul 2024 | Unlocking The Potential Of Ieee Xplore For Research | Sbc10027a, Stb10027, Ch10779, E025, We00120 |
| 29 Sep 2024 | Repower: Revolutionize Sustainable Energy Future - An Idea Pitching Contest For Pre-University Students | Pune Section Jt. Chapter, PE31/IA34 |
| 15 Oct 2024 | Ux-Factor2.0 | Stb11768 |

○ **Number of Active Student Branches and summary of student branch activities:**



B.5 Affinity Group Activities:

- Young Professional (YP):** The field visit to Vigyan Ashram, Pabal, emphasized experiential learning and practical skill development. Participants explored project-based learning, sustainability, and innovation in fields like agriculture, energy, and digital fabrication. The visit reinforced the importance of hands-on education in fostering problem-solving and entrepreneurial skills. It demonstrated how theoretical knowledge is effectively applied in real-world scenarios. The experience encouraged students to adopt practical learning methodologies, develop prototypes, and collaborate with institutions for skill enhancement. Recommendations include integrating project-based learning into curricula, organizing more field visits, and fostering industry collaborations for holistic education and skill development.



- Women In Engineering (WIE):** The IEEE Pune Section Women in Engineering (WiE) actively promoted gender diversity and professional growth in 2024 through various initiatives. Key activities included technical workshops, mentorship programs, and industry collaborations fostering innovation and leadership among women engineers. The section organized conferences on emerging technologies and leadership development, engaging students and professionals alike. Outreach programs encouraged young women to pursue STEM careers, while networking events strengthened community engagement. Through these efforts, IEEE Pune WiE continued to empower women in technology, reinforcing its commitment to inclusivity and excellence in engineering.



B.6 Awards & Recognition Activities:

- Award constituted by the Section

| Sr. No | Name of the award |
|--------|---|
| 1 | IEEE Pune Section Student Branch Counsellor of The Year |
| 2 | IEEE Pune Section Student Branch of the Year |
| 3 | IEEE Pune Section Student Chair of the Year |
| 4 | IEEE Pune Section Student Member Volunteer |
| 5 | IEEE Pune Section Emerging Student Branch |
| 6 | IEEE Pune Section Professional Member Volunteer |
| 7 | IEEE Pune Section Best Chapter Award |
| 8 | IEEE Pune Section Innovator/Researcher Person of the Year Award |
| 9 | IEEE Pune Section Young Professional of the Year Award |
| 10 | IEEE Pune Section Women in Engineering of the Year Award |
| 11 | IEEE Pune Section Senior Member of the Year Award |

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

- List of Awards and Recognitions received by the Section:

| Name of the award | Winner Name |
|---|---|
| IEEE Pune Section Student Branch Counsellor of The Year | Prof. Mrudul Aanand Dixit |
| IEEE Pune Section Student Branch of the Year | IEEE Student Branch of JSPM's Rajarshi Shahu College of Engineering |
| IEEE Pune Section Student Chair of the Year | Prasanna Pande |
| IEEE Pune Section Student Member Volunteer | Harsh Khandelwal |
| | Shruti Shinde |
| | Prem Deshmukh |
| | Shreeni Kalyanshetti |
| | Anannya Srivastava |
| | Kshitij Siddharth Navture |
| | Disha Vinay Kamalaskar |
| | Shruti Anil Bhandurke |
| | Anish Walke |

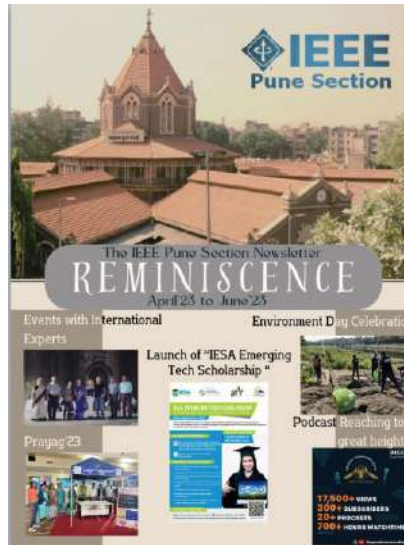
| Name of the award | Winner Name |
|---|--|
| IEEE Pune Section Emerging Student Branch | Dr. D. Y. Patil School of science & Technology, Pune |
| IEEE Pune Section Professional Member Volunteer | Dr Simran Rajiv Khiani |
| IEEE Pune Section Best Chapter Award | Prof. G. S. Mani |
| IEEE Pune Section Innovator/Researcher Person of the Year Award | Dr. Vinayak K Bairagi |
| IEEE Pune Section Young Professional of the Year Award | Mr.Somnath Mahato |
| IEEE Pune Section Women in Engineering of the Year Award | Dr.Rajani.P.K |
| IEEE Pune Section Senior Member of the Year Award | Dr. Ravinder Yerram |

○ **Other awards and recognitions:**

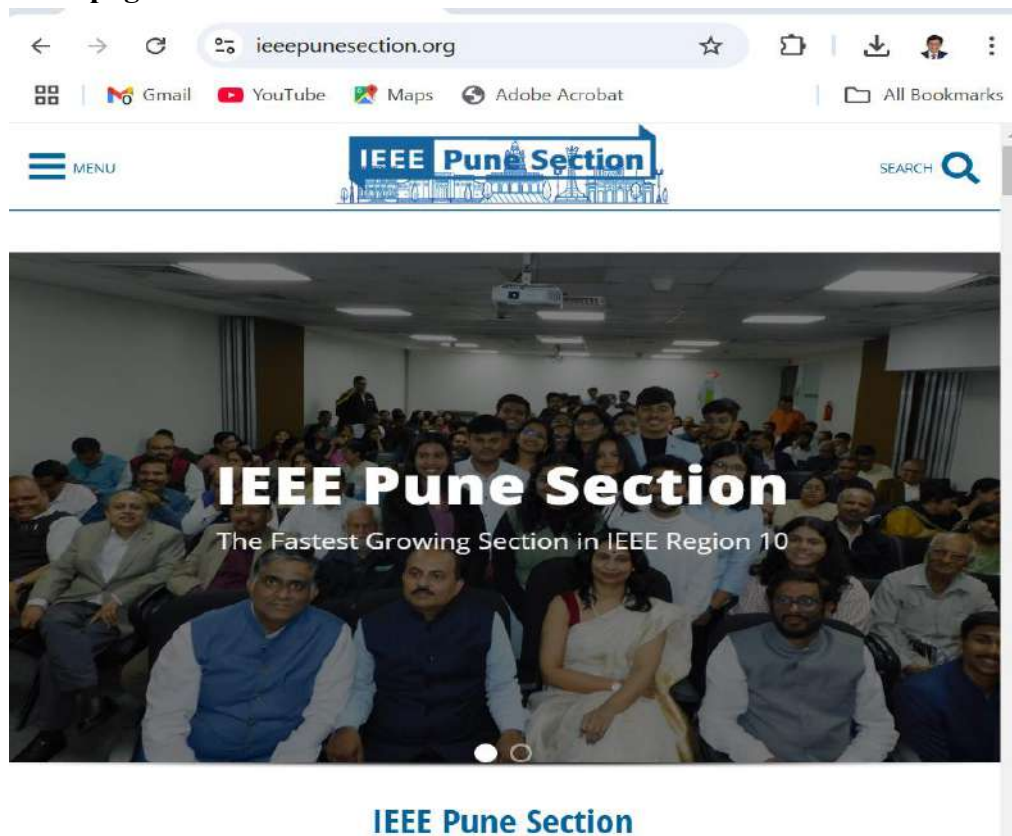
| Sr. No. | Name | Name of Awardee |
|---------|----------------------------------|---|
| 1. | Prof. Mandar Khurjekar | Elevated to Life Senior Member from IEEE |
| 2. | PMC Care project | Smart Cities, Germany |
| 3. | JCAME, IEEE Pune Section | Antena and Propagation Society, 2024-Best Chapter Award |
| 4. | Dr. Pranavamurty Balasubramanyam | Outstanding Engineer Award-Power and Energy Society |
| 5. | Prof. G. S. Mani | Ulrich Rodhe Award -2024, AP Society |
| 6. | Mr. Rakshit Jain | Best outstanding volunteer student award-2024 |

B.7 Communication Activities:

- **Newsletter:**
 - **Name:** REMINISCENCE
 - **Frequency:** quarterly.
 - **Evidences:**



- **Home Page of the Section:**
 - **Website URL:** <https://ieeepunesection.org/>
 - **Homepage:**



- **Other means of contacts with Section members including social media:**
 - **LinkedIn:** <https://www.linkedin.com/company/ieeepunesection/>
 - **Instagram:** [linktr.ee/ieeepunesection/](https://www.instagram.com/linktr.ee/ieeepunesection/)
 - **Facebook:** <https://www.facebook.com/share/g/1KRbbervqC/>

B.8 Industry Relations:

- **Membership Growth and Retention:** The IEEE Pune Section focuses on strategic initiatives to enhance membership growth and retention through industry-academia collaboration, professional development, and networking opportunities. Regular technical workshops, conferences, and mentorship programs attract professionals and students alike. Special interest groups and industry tie-ups offer practical exposure, ensuring continued engagement. Retention is driven by value-added benefits such as leadership roles, recognition programs, and access to global resources. Outreach programs in universities and technical institutions create awareness about IEEE's impact, fostering long-term membership commitment. Personalized engagement, career support, and volunteer-driven initiatives further strengthen the IEEE Pune Section's membership base.
- **Activities for/with industrial members:**
 - **Industry-Focused Technical Seminars & Workshops** – Conducting sessions on emerging technologies like AI, IoT, cybersecurity, and Industry 4.0.
 - **Industry-Academia Collaboration** – Facilitating joint research projects, internships, and consultancy opportunities between industries and academia.
 - **Networking & Panel Discussions** – Organizing industry meetups, , and expert panel discussions.
 - **Corporate Training Programs** – Providing upskilling workshops and certification courses tailored to industry needs.
 - **Innovation & Hackathons** – Hosting industry-sponsored hackathons to drive innovation and problem-solving.
 - **Recognition & Awards** – Honoring outstanding contributions from industry professionals through IEEE awards.

B.9 Humanitarian Technology Activities:

- **SIGHT Activities: Humanitarian Technology related activities supported by the Section including collaboration with other OUs.: 05**

| Event Date | Event Description | Hosted By |
|------------|---|---|
| 2024-08-05 | Faculty Development Program on "AI for Sustainable Development" | Pune Section SIGHT |
| 2024-10-07 | Awareness workshop to school students, teachers | Pune Section SIGHT |
| 2024-08-13 | The Debate on Humanitarian Technologies | Dr. D.Y. Patil School of Science & Technology |

| Event Date | Event Description | Hosted By |
|------------|---|---|
| 2024-11-28 | IEEE for Humanity: Caring for Our Elders | Dr. D.Y. Patil School of Science & Technology |
| 2024-12-19 | Humanitarian Activity- Medical Checkup Drive for Engineering Students | Pune Section SIGHT |



B.10 Community Activities:

- IEEE Social activities: 12

| Event Date | Event Description | Hosted By |
|------------|---|---------------------------------------|
| 2024-03-09 | IEEE Women in Engineering Visit to Zapurza Art Museum: A Day of Art and Technology Exploration. | CH10779, SBC10027A, STB10027, WE00120 |
| 2024-01-30 | Stress Management Session & Group Discussion | STB63141 |
| 2024-04-15 | Electrical Safety Reel Making Contest | STB63161 |
| 2024-04-16 | Industrial Visit To Maha Metro Rail Corporation Limited Pune | STB63161 |
| 2024-03-07 | Membership Drive | STB66435 |
| 2024-03-12 | Women's Health and Fitness Workshop | STB66435 |
| 2024-03-13 | Interview Session | STB66435 |
| 2024-09-07 | E waste management | STB11442 |
| 2024-04-19 | E waste awareness session | STB11442 |

| Event Date | Event Description | Hosted By |
|------------|--|------------------------------|
| 2024-03-12 | Poster Making Competition organized on the occasion of international women's day | CH11008, SBC11424E, STB11424 |
| 2024-12-13 | Dinner Meeting | CH10989 |
| 2024-12-14 | Cultural Evening | CH10989 |



PART C – OTHERS:

C.1 Special Events

- Annual Genral Meeting-2023:** IEEE Pune Section hosted the Annual General Meeting 2024 on 21st January 2024 at MCCIA, Pune. The event was attended by 100 (apx) IEEE Members to take 2023 yearly review. An incredible event that showcased the dedication and hard work of our office bearers and volunteers throughout the year. Our office bearers enumerated the various initiatives undertaken by the section, highlighting the impactful projects and programs that have made a difference in our community and sharing their plan for the coming year. he ceremony also consisted of the distribution of awards to recognize the outstanding contributions of our volunteers on different fronts, acknowledging their commitment and passion for advancing the mission of IEEE Pune Section.



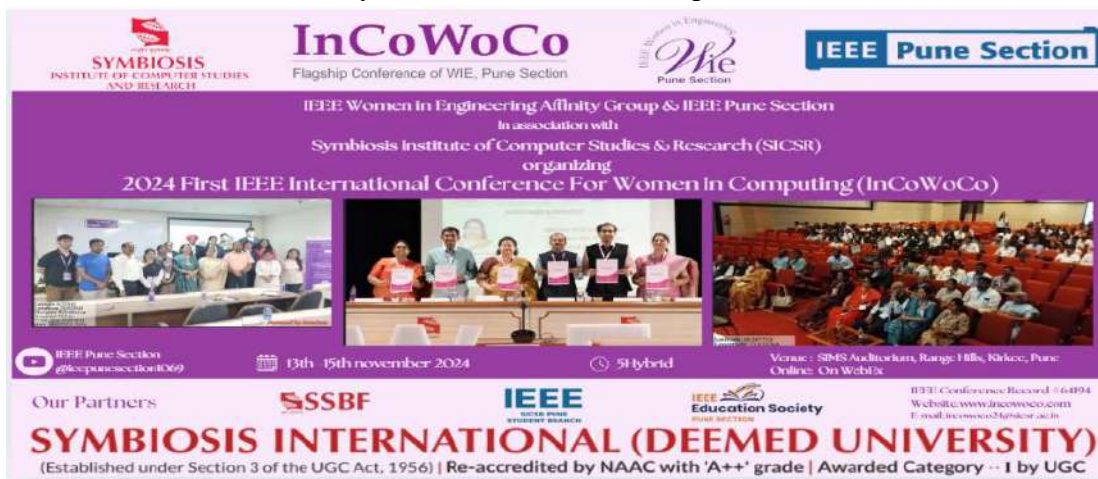
- IEEE Pune Section Student Congress:2024:** IEEE Pune Section hosted the IEEE Pune Section Student congress on 28th September 2024 at Dr. Vishwanath Karad MIT World Peace University, Pune. The Section Student Congress was one of the Flag Ship events of the IEEE Pune Section organized by students for the students and with the students.



- **IEEE PuneCon-2024:** IEEE PuneCon is the flagship event. The 07th edition of the IEEE PuneCon-2024 was hosted by Defence Institute of Advanced Technology (DIAT) Pune from 13th to 15th December 2024.



- **01st InCOWOCO-2024:** IEEE Pune Section has started the WIE Pune Section 01st International Conference for Women in Computing (INCOWOCO-2024) held from 13th to 15th November 2024 at Symbiosis Institute of Computer Studies and Research.



- **IEEE Eu-Reka-2024:** IEEE Eu-Reka is one of the prestigious Flagship of IEEE Pune Section to promote Graduating students as brand ambassadors of Education to Inspire, Encourage, Empower and Engage (IEEE) the validity held on 15th December 2024 at Hotel Ramee Grand Pune.

IEEE Pune Section Eu-Reka 2024-Glimpses



- **IEEE Pune Section Kshitij Talk Series-2024:** IEEE Pune Section organized Kshitij Talk-2024 with the theme 'Digital Public Infrastructure (DPI) of India'.



- **Funding secured from the IEEE and external sources including sponsorships:**
 - **Leap and Scale Foundation:** Funded prize money for IEEE Pune Section Eu-Reka-2024.
- **Relationship with National and International Societies and Non-Government Organizations (NGO):** IEEE Pune Section working with Non-Government Organizations including Charitable trusts like Pune Management Association (PMA) and Section 8 organizations like Leap and Scale Foundation to benefit the society.

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

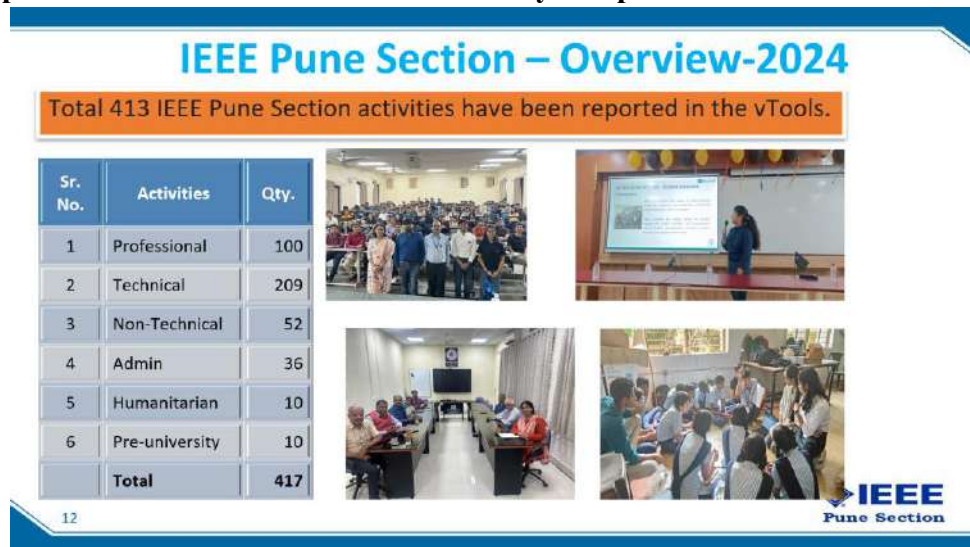
- **Nature of Relationship & Formal Agreements**
 - IEEE Pune Section collaborates with national and international societies and NGOs through MoUs, partnerships, and joint initiatives.
 - Formal agreements enable knowledge exchange, resource sharing, and joint technical events.
- **Joint Activities:**
 - Conferences, seminars, and workshops on emerging technologies.

- Research collaborations, policy discussions, and community outreach programs.
- **Benefits to IEEE Members:**
 - Discounted access to conferences and training programs.
 - Exclusive technical resources, research papers, and networking opportunities.
- **Benefits to Section:**
 - Increased membership through joint promotions.
 - Access to venues, sponsorships, and funding for events, reducing operational costs.

C3. Collaboration with other IEEE Sections:

- **Support Extended to Neighboring Sections:**
 - Technical and logistical support for organizing conferences, workshops, and seminars.
 - Mentorship programs to help emerging sections strengthen their activities.
 - Sharing best practices on membership growth, event management, and industry collaboration.
- **Joint Activities with Other IEEE Sections:**
 - Co-hosting international conferences, summits, and hackathons.
 - Joint research projects and faculty development programs.
 - Collaborative student activities such as innovation challenges and technical competitions.
 - Networking events to enhance professional engagement across regions.

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



- **Support for Organizing Technical, Educational, and Professional Activities:**
 - Financial and logistical assistance for workshops, seminars, and technical talks.
 - Providing expert speakers and resource persons for knowledge-sharing sessions.
 - Encouraging student and professional engagement in IEEE events.
- **Joint Activities for Membership Development:**

- Membership drives and awareness campaigns in collaboration with sub-sections.
- Special discounts and incentives for new and renewing members.
- Career development and networking sessions to attract professionals and students.
- **Support for Sub-section Formation or Transition to Full Section:**
 - Guidance on IEEE policies and documentation for sub-section establishment.
 - Sponsorships and mentoring to ensure smooth transition and sustainable growth.
 - Encouraging collaboration with local institutions to enhance member participation.

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

| Best Practices | |
|--|--|
| Rigor in Functioning <ul style="list-style-type: none"> Well Articulated Operational Manual Well attended ExeCom meetings ExeCom meeting held to strengthen collaborations Event, Monthly & Quarterly reports published with consistency, well maintained website | Collaboration <ul style="list-style-type: none"> Partnered with IE, IETE, IET, Hope Foundation, and PMA for various activities and initiatives Participation in R10/India Council/Other section events MoUs with Educational Institutes and Industry to create sustainable ecosystem |
| Focus on Identified Areas <ul style="list-style-type: none"> Emerging and sustainable technologies for digital transformation Strengthening/revival of Student Branches Collaborations with Industry Legal Establishment procedures | Community Support <ul style="list-style-type: none"> Establishment of 'Abhyasika Laboratory' at Bhagini Nivedita Pratishthan under 'learn when you Play initiative by JCAM Societies Chapter. Various Activities like foldscope Visit to Vapurza, Bhagini Nivedita aasharam Eureka -2024: to elevate Education Reka (Line) |

- **Industry-Academia Collaboration:** Partnering with leading industries and academic institutions for technical events, research, and skill development programs.
- **Student Engagement & Mentorship Programs:** Organizing hackathons, innovation challenges, and project expos to encourage student participation. Mentorship initiatives connecting students with industry experts and researchers.
- **Sustainability & Social Impact Initiatives:** Promoting green technologies, smart cities, and STEM education for underprivileged students.
- **Hybrid & Digital Learning Platforms:** Conducting webinars, virtual conferences, and online certification programs to enhance accessibility.
- **Strategic Membership Growth Initiatives:** Offering membership discounts, referral programs, and networking opportunities to attract and retain members.

C.6 Problems anticipated and suggestions for solutions, if any: As we navigate the dynamic landscape of technological advancements, it is essential to anticipate challenges and implement proactive solutions. IEEE Pune Section remains committed to fostering innovation, industry-academia collaboration, and impactful community engagement. By enhancing membership value, strengthening industry ties, and promoting research-driven initiatives, we can address key concerns effectively. Through collective efforts, mentorship, and knowledge sharing, we aim to create a thriving ecosystem that benefits both technology and society. Let's continue to cultivate a culture of excellence, inclusivity, and forward-thinking leadership to shape a brighter, technology-driven future for all IEEE members and stakeholders.

Secondly, A hike in membership due by 18% to include GST in India is expected to reduce renewals and new membership, especially in students and early career professionals.

PART D - GOALS AND PLANS

D1. Continuation of project/activity in progress and their implementation plans:

- **Strengthening the Student Activities Committee**
 - Establish structured mentorship programs and leadership training.
 - Increase student branch engagement through technical competitions and skill-based workshops.
 - Enhance collaboration between student branches and industry experts.
- **Promoting Ethics:**
 - Organize seminars on professional integrity and ethical decision-making.
 - Integrate ethics discussions into technical conferences and student activities.
 - Encourage adherence to IEEE's Code of Ethics in all initiatives.
- **IEEE Pune Section Flagship Events:**
 - Expand PuneCon, Eureka, and Kshitij Talk Series to attract a wider audience.
 - Provide financial and logistical support for major conferences like ESCI, ICUBEA, and other research-driven events.
 - Increase industry and academic participation for greater impact.
- **Collaborative & Humanitarian Activities Support:**
 - Strengthen partnerships with NGOs, academic institutions, and government bodies for social impact projects.
 - Encourage members to engage in STEM education for underprivileged students and sustainability initiatives.
 - Promote interdisciplinary collaboration for solving real-world problems.
- **Enriched Awards & Recognitions:**
 - Introduce new awards recognizing outstanding contributions in research, leadership, and community engagement.
 - Provide scholarships and travel grants to support student participation in IEEE global events.
 - Celebrate achievements of volunteers and professionals through formal recognition ceremonies.

D.2 Goals and Future Plans:

- **Enhancing Student & Young Professional Engagement**
 - Strengthen Student Activities Committee with leadership programs.
 - Increase student branch collaborations with hackathons, mentorship initiatives, and technical bootcamps.
 - Promote IEEE membership benefits through structured career development programs.
 - **Expanding Flagship Events & Conferences:**
 - Scale up PuneCon, Eureka, and Kshitij Talk Series with wider industry participation.
 - Provide greater support for ICUBEA, ESCI, and other major conferences.
 - Foster international collaborations for high-impact research publications.
 - **Strengthening Industry-Academia Collaborations:**
 - Establish MoUs with top industries, startups, and R&D centers.
 - Organize technology summits and industrial visits for knowledge exchange.
 - Encourage joint projects on AI, IoT, sustainability, and smart technologies.
 - **Promoting Ethical & Humanitarian Initiatives:**
 - Conduct workshops on ethics, diversity, and social responsibility.
 - Support STEM education programs and sustainability-driven projects.
 - Engage with NGOs for community-driven technology solutions.
 - **Membership Growth & Volunteer Recognition:**
 - Introduce membership incentives and referral programs.
 - Enhance the awards and recognition framework for volunteers and contributors.
 - Offer grants for IEEE conferences, research, and professional development.
- IEEE Pune Section aims to drive innovation, collaboration, and societal impact, ensuring a stronger and more engaged technical community in 2025.

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

1. **Techpreneurship Incubator:** To assist members who are interested in entrepreneurship, the IEEE Pune Section should establish a techpreneurship incubator. Offer services including finance advice, mentorship, and chances to network with investors and business leaders. This programme encourages innovation within the IEEE community in addition to drawing in individuals with an entrepreneurial mindset. The IEEE Pune Section aims to maintain membership retention and recruitment goals by improving inventiveness and value-added offers.
2. **Hackathon Series:** Arrange a number of hackathons with the goal of utilizing technology to address regional or worldwide issues. Work together with neighborhood companies, start-ups, and academic establishments to form multidisciplinary teams and offer real-world problem statements. These gatherings have the potential to draw professionals, hobbyists, and students alike, increasing the IEEE Pune Section's appeal and visibility.

3. **Technical Workshops on Emerging Technologies:** Conduct frequent technical workshops and practical training sessions on cutting-edge technologies, including blockchain, artificial intelligence, the Internet of Things (IoT), and cybersecurity. Make sure these workshops are interactive, useful, and instructed by professionals in the field to give members worthwhile educational opportunities and draw in new attendees.
4. **Initiatives to Promote Industry-Academia Collaboration:** Establish stronger ties between industry and academia by planning collaborative efforts like workshops on technology transfer, industry-sponsored research projects, and internships. Urge IEEE members to get involved in these programs, as they enhance their professional development and fortify the IEEE Pune Section's connections to the regional industrial base.
5. **Student Project Showcase Events:** Plan frequent occasions for students to present their creative efforts and discoveries to the public. Give students the chance to showcase their work, get input from professionals and peers, and connect with possible employers or partners. This draws prospective engineers and researchers to the IEEE Pune Section in addition to involving student members.
6. **Professional Development Webinars:** Organize a sequence of webinars centered around issues related to professional development, including project management, career planning, soft skill refinement, and leadership. Ask seasoned professionals, career counsellors, and experts in the field to share their knowledge and helpful advice with IEEE members. The perceived value of membership in the IEEE Pune Section can be raised by providing useful resources for professional progression.
7. **Community Impact Projects:** Launch technology-driven social impact projects, such as developing affordable healthcare options, putting in place sustainable energy systems, or encouraging digital literacy in marginalized areas. In order to promote a sense of civic responsibility and community togetherness, encourage IEEE members to donate their time and knowledge to these projects.
8. **Interactive Online Platform:** Create a mobile application or interactive online platform with forums, job boards, discussion boards, event calendars, and resource libraries that is only available to IEEE Pune Section members. Encourage members to collaborate and participate actively by providing them with networking opportunities, knowledge sharing, and online discussion forums.
9. **Promotion of Membership Referral Programme:** Promotion of IEEE Membership referral program shall be put in place. IEEE provides a monetary award up to US 5 \$ for referring a new member and these money gets accumulated in their account to consider while new purchase or next year membership renewal. IEEE Pune Section should promote this kind of membership referral program for the betterment and strengthen of the IEEE membership.
10. **Continuous Feedback System:** Provide a method for members of the IEEE Pune Section to provide comments and ideas about their requirements, preferences, and expectations. Actively consider member input when making decisions, organizing events, and allocating resources to make sure IEEE Pune Section is able to adapt to the changing demands of its membership.

Through the implementation of these novel concepts, the IEEE Pune Section will be able to further its aims of sustainable membership retention and recruitment by improving its inventiveness, value-added products, and member engagement.

D.4 Business Plan for Sustainable Growth and Financial Stability: Creating a business plan for the IEEE Pune Section aimed at sustainable growth and financial stability involves outlining strategies to increase revenue streams, control expenses, and effectively manage resources. Here's a structured outline for such a plan: The IEEE Pune section aimed at sustainable growth and financial stability involves outlining strategies to increase revenue streams, control expenses, and effectively manage resources. The IEEE Pune Section Plan may involve, funds raising strategies, revenue management, apt expenses management, membership growth and retention, professional and commercial collaborations, apt financial collaborations, and proactive risk management. Further, conduct periodic reviews and evaluations to assess the effectiveness of strategies and initiatives, making adjustments as needed to stay on track towards sustainable growth and financial stability.

The organization may improve its financial stability, increase its influence, and carry out its objective of promoting technology for the benefit of society by creating and executing a thorough business plan that is customized to the unique requirements and environment of the IEEE Pune Section.

“Advancing Technology for Humanity”