

## **IEEE GUJARAT Section Report for the Year 2024**

**Members: 2251**

**Society Chapters: 11**

**Council Chapters: 2 (Sensor, Nanotechnology)**

**Affinity Group: 2 (WiE, YP)**

**Student Branches: 32**

## **PART A - SECTION SUMMARY**

### **A.1 Executive Summary –**

- Section Executive Committee Member List

<b>Name</b>	<b>Office</b>
Kiran Amin	Chair
Chirag N. Paunwala	Vice-Chair
Anjali Diwan	Secretary
Manisha T. Shah	Treasurer
Hardik Pathak	Educational Activity Chair
Dhaval Pujara	Chapter Coordination Chair
Usha Mehta	WIE Chair
Anjali Diwan	YP Chair
Pooja Shah	Student Activity Chair
Priyesh Chouhan	Technical Activity Chair
Manisha Shukla	Professional Activity Chair
Foram Chandarana	Membership Development Chair
Nilesh Ranpara	Industry Liaison Chair
Satvik Khara	SIGHT Chair
Sumit Makwana	Digital Content Chair
Ketan Sarvakar	Digital Content Vice-Chair
Ashsish Phophalia	Member
Shiv Mohan	Member
Maniklal Das	Immediate Past Chair & Adviser
Deepak Mathur	Adviser
Anil Roy	Adviser
Y.P.Kosta	Adviser
R.B.Jadeja	Adviser

### **Section Highlights**

1. Following leadership positions held by our volunteers
  - a. IEEE Vice President (MGA) 2024 - Deepak Mathur
  - b. President Elect Sensors council 2024 – Anil K Roy
  - c. Vice Chair Members Activities, R10 - R.B.Jadeja
2. Following volunteering positions held by our volunteers
  - a. Senior advisor R10 Student Activity Committee technical team – Anjali Diwan
  - b. Ambassador IEEE DataPort – Anjali Diwan
  - c. Secondary Representative of Computer Society to IEEE CEDA 2024- Anjali Diwan
  - d. Member R10 Membership Development Committee- Amit Ved
  - e. Member R10 Women in Engineering Committee and HTA Committee – Foram Chandarana
3. Awards received from Region 10 and IEEE headquarter
  - IEEE Women in Engineering Inspiring Member 2024- Foram Chandara

## Major Events (International, National)

1. **IEEE President Visit to Gujarat Section:** IEEE President Dr. Tom Coughlin and President Elect Dr. Kathleen Kramer visited IEEE Gujarat Section on July 25, 2024 and interacted members of the section.



2. **NetworkX:** A networking event on July 25, 2024 at Marwadi University. The speaker of the event are Dr. Tom Coughlin (2024 IEEE President), Dr. Kathleen Kramer (2024 IEEE President-Elect), Prof. Deepak Mathur (2024 IEEE Vice President MGA), Dr. Lance Fung (2024 IEEE Director R-10)



3. **SAMPARK 2024** hosted by Gujarat Section on February 25-26, 2023 at Nirma University, Ahmedabad. Total 280 participants across Gujarat.



4. **National Seminar on Computer Vision and Image Processing (NaSCoVIP)** was organized at G H Patel Collage of Engineering and Technology, V.V Nagar Total 70 participants have attended the event.

**NaSCoVIP 2024**  
National Seminar on Computer Vision and Image Processing  
Venue : GCET, Anand, Gujarat

18th to 20th October 2024

**2024**

**Theme: COMPUTER VISION AND IMAGE PROCESSING FOR SURVEILLANCE SYSTEMS**

**Advisory Committee:**  
Ganesh Mishra, IIT Madras, India  
Anil K. Jain, IIT Delhi, India  
Ravi K. Jain, IIT Delhi, India  
Ravi K. Jain, IIT Delhi, India  
Ravi K. Jain, IIT Delhi, India

**General Chair:**  
Ravi K. Jain, IIT Delhi, India  
Chirag Patel, GCET, Anand

**Programme Chair:**  
Anil K. Jain, IIT Delhi, India  
Ravi K. Jain, IIT Delhi, India

**Organizing Chair:**  
Ravi K. Jain, IIT Delhi, India  
Anil K. Jain, IIT Delhi, India

**Finance Chair:**  
Ravi K. Jain, IIT Delhi, India  
Anil K. Jain, IIT Delhi, India

**Organizing Committee:**  
Ravi K. Jain, IIT Delhi, India  
Anil K. Jain, IIT Delhi, India

**Programme Committee:**  
Ravi K. Jain, IIT Delhi, India  
Anil K. Jain, IIT Delhi, India

**Student coordinator:**  
Ravi K. Jain, IIT Delhi, India  
Anil K. Jain, IIT Delhi, India

**FOR WHOM**  
Researchers from academia including faculty members, PhD scholars and students of M.Tech / M.E / B.Tech / B.E / MCA / MSc / BSc as well as industry participants

**FEEs For NaSCoVIP on 18th-19th**  
For IEEE Student Member (SM), INR 1500 + INR 500  
For IEEE Professional Member (PM), INR 2500 + INR 500  
For IEEE Life Member (LM), INR 10000 + INR 500  
For IEEE Sustaining Member (SM), INR 10000 + INR 500

**REGISTRATION LINK**  
<https://www.ieee.org/conferences/na/vip/2024/>

**FOR ANY QUERIES CONTACT**  
[na2024@gmail.com](mailto:na2024@gmail.com)





5. **IEEE Smart Village Symposium 2024** was organized at DAIICT Gandhinagar by IEEE Smart village south Asia working group in collaboration with IEEE Gujarat Section.



## A.2 Financial Report



## **PART B - ORGANIZATIONAL ACTIVITIES**

### **B.1 Membership Development Activities –**

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

	<b>Dec-24</b>	<b>Dec-23</b>	<b>Dec-22</b>
<b>Student Member</b>	<b>1524</b>	<b>1224</b>	<b>1022</b>
<b>Member</b>	<b>371</b>	<b>397</b>	<b>355</b>
<b>Graduate Student Member</b>	<b>159</b>	<b>208</b>	<b>197</b>
<b>Senior Member</b>	<b>165</b>	<b>154</b>	<b>120</b>
<b>Affiliate</b>	<b>7</b>	<b>6</b>	<b>17</b>
<b>Associate Member</b>	<b>17</b>	<b>15</b>	<b>15</b>
<b>Life Senior</b>	<b>8</b>	<b>6</b>	<b>6</b>
	<b>2251</b>	<b>2010</b>	<b>1732</b>

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

### **Membership Retention**

- ▶ Senior Membership Elevation Drive is carried out. All eligible professional members are motivated to apply for Senior Membership. We sent an information email to eligible IEEE members.
- ▶ From the data sheet, it was found that there is total 8768 inactive members.
- ▶ This fact draws attention towards the retention of members.
- ▶ To understand the reasons behind not renewing the membership and encourage them and bring them back, an email along with google form was sent to each inactive member.
- ▶ Section also kept membership drive booth on the various events hosted throughout the year.
- ▶ Various Student Branches within the section host similar events to boost the members in respective SBs.
- ▶ Our efforts were also making awareness about senior membership grade went successfully and above table shows continuous growth in senior membership grade.

### **B.2 Chapter Activities –**

- Total number of Chapters in the Section  
There are eleven technical society chapters, two council chapters, two affinity groups and one section group in the Gujarat Section.



- Number of Chapters formed in the current year  
Two new chapters were formed in the year 2024, they are Intelligence Transportation Society Chapter and Aerospace and Electronics Society Chapter.
- Number of active Chapters (Chapters who have reported required number of meetings during the year)  
Chapters of SPS, GRSS, CS, CIS, PES, IA/IE/PEL, SSC/ED, SEN, COM , ITSS and AESS have reported activities in the year 2024. While the chapter of, NANO, AP/MTT have no activities reported in 2024. Out of the active societies IE/AI/PEL, SPS and GRSS are most active.
- Summary of Chapter activities (Chapter wise with attachment table/information)

	<b>Society Chapters / Affinity Groups / Council Chapters</b>	<b>Activities</b>
	<b>Society Chapters</b>	
1	Communication Society (ComSoc)	Chair: Arup Dasgupta Total Activities: 5
2	Computational Intelligence Society (CIS)	Chair: Maulin Joshi Total Activities: 13
3	Computer Society (CS)	Chair: Ashish Phophalia Total Activities: 5
4	Geoscience and Remote Sensing (GRSS)	Chair: Shiv Mohan Total Activities: 6
5	Joint IEEE Chapter of Industry Applications, Industrial Electronics and Power Electronics Societies (IA/IE/PEL)	Chair: A. Mulla Total Activities: 9
6	Microwave Theory & Techniques / Antennas & Propagation Society (MTSS/AP)	Chair: Pratik Bansal
7	Power and Energy Society Chapter (PES)	Chair: Rakesh Patel
8	Joint IEEE Chapter of Solid-State Circuits and Electron Devices Societies (SSC/ED)	Chair: Yash Agrawal
9	Signal Processing Society (SPS)	Chair : Mita Paunwala Total Activities: 21
10	Intelligent Transportation System Society (ITSS)	Chair: Sanjay Srivastava



11	Aerospace and Electronics System Society	Chair: Sanjeev Kulshreshtha Total activities: 11
	<b>Council Chapters</b>	
1	Sensors Council	Chair: Anup Shah Total Activities: 2
2	Nanotechnology Council	Chair: Rutu Parekh
	<b>Affinity Groups</b>	
1	Women in Engineering	Reported separately in more details
2	Young Professional	Reported separately in more details

### 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
- Under Professional Activity during the year 2023 following activities programs were been conducted

### B.4 Students Activities –

- Total student branches in section 32. Number of active Student Branches (Student Branches who have reported required number of meetings during the year) :19  
Summary of Student Branch activities:  
In effort to support planned activities by the child OUs of the IEEE Gujarat Section SAC, financial collaboration is made available in the form of sponsor or co-sponsor of the events organized by the Student Branches at section level.
- Section level student activities: Following the legacy, IEEE Gujarat Section SAC organized its flagship annual event SAMPARK in the year of 2024 on February 25-26, 2024 at Nirma University, Ahmedabad, Gujarat. SAMPARK is the event designed for the student members and by student members of IEEE Gujarat Section. It provides a platform to bring all the Student Branches of IEEE Gujarat Section together to network.
- Total 240 event have been reported on vTools by Student Branches

### B.5 Affinity Group Activities

- Young Professional Affinity Group
  - Two workshops and one meetup was organized
- Women in Engineering Affinity Group
  - Total nine evets have been organized by the WiE affinity group

### B.6 Awards & Recognition Activities –

- Award constituted by the Section

- **Membership Development Award** for showing exceptional growth in the membership in the year.
- **Upcoming Student Branch Award** for excellent performance in the membership year of 2024 under the category of young SB.
- **Best Student Branch Award** for excellent performance in that year.
- **Special Mentions** for consistently organizing high quality events every year.
- **WiE Outstanding Volunteer Award.**
- **WiE Outstanding SB AG Award.**
- Funding and Achievements
  - \$400 funding under Project A from IEEE Region 10
  - \$750 funding from IEEE Young Professionals for a meet-up during IEEE SPS Student Chapter Congress (Aug 23-24, 2024)
  - EPICS in IEEE Funding Proposal – Project with 16 students from IT-NU & IIT Mandi, Mentors: Dr. Manisha Shah & Dr. Sachin Gajjar, NGO: Blind People's Association, Ahmedabad, Total Funding: \$9,2
- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year
  - R. B Jadeja has received 2023 IEEE R10 Outstanding Volunteer Award.
  - Darrel Chong Student Activity Award- GCET SB

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

The section homepage is: <http://ieeegujaratsection.org/>. Our website normally gets updated on weekly basis. But when there is some event there, it might get updated 2-3 times a day even. The site is developed on WordPress CMS platform. The Section has initiated the Newsletter in the year 2022 and proposed to have two issues in every calendar year.

Other means of contacts with section members

- a. e-notice
- b. We have created our own customized list of emails and that is used most frequently
- c. Very often we reach out to all engineering colleges, academic institutions for our national, state level events' announcements. For this also, we have developed our own customized address database which we use on case-to-case basis.

Page: <https://www.facebook.com/IEEEGS>

Group: <https://www.facebook.com/groups/ieeegujsec>

Newsletter Link <https://ieeegujaratsection.org/newsletters>

#### **B.8 Industry Relations**

- Membership growth and retention
- Activities for/with industrial members

#### **B.9 Humanitarian Technology Activities**

- The section has an active SIGHT unit. We have been doing three projects for humanitarian challenges:

- SIGHT Activities

- Inauguration of New SIGHT group in Section – 2024 Sarvajanik College of Engineering and Technology (SBA048515) on 21st March, 2024 attended by 300 participants.
- Sight Day Celebration on 29th April, 2024 at Navjeevan Charitable Trust, Ahmedabad and attended by 60 participants.
- Event named Generating Youth Awareness in New technologies was organized on 4 July 2024 at Krishna School of Science, Gandhinagar and attended by 31 participants.
- Event named Cloud Computing Foundational Camp was organized on 3 September 2024 at Government Polytechnic for Girls, Ahmedabad and attended by 121 participants.

### B.10 Community Activities –

- IEEE Social activities

6. **IEEE Day was Celebrated** by IEEE Gujarat Section at Ahmedabad University on October 5, 2024. The event featured a talk of Mr. Jaimin Shah CEO and Co-Founder of Dev IT Ltd on the topic “ Industry trends and Opportunities”





IEEE Gujarat Section hosted **Annual General Meeting (AGM)** on November 24, 2024 at Hotel Fern Residency Gandhinagar. The Chair has welcomed all the guests in the meeting. The activities done throughout the year 2024 was reported by Secretary Anjali Diwan followed by Open House Discussion.



## **PART C – OTHERS**

### **C.1 Special Events**

- **'Prof. S C Sahasrabudhe Memorial Lecture'**: The 4th Memorial Lecture is delivered by Prof. Tapan Mishar (Ex- Director SAC-ISRO) on December 7, 2024 in physical mode.



The event was organized at Nirma University, Ahmedabad. The event was attended by around 50 participants.



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

- The section keeps in engaging industry through professional and technical activities.

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

- Support extended to neighboring Sections: The section continuously encourage support to other sections through volunteer participation in All India Students' congress and other activities organized by other sections.
- Joint activities with any other Section: No

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

- Support extended for organizing technical, educational and professional activities
- Joint activities for membership development: With Chapters and Councils activities in the section.
- Support extended for organizing technical, educational and professional activities: The section continuously encourage support to all the chapters on various way, like financial support, hosting the events, inviting the guests to the section
- Joint activities for membership development: All the Chapters and Councils activities are informed to host membership booth in the section.
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section: Not Applicable to Gujarat Section

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

1. SAPMPARK, bringing all students branches under one-day full event, including both technical and non-technical activities.

2. Flagship events like ERTE and NaSCoVIP are the continuing as effective technical events at national levels.
3. Initiation of Prof. S. C. Sahasrabuddhe Memorial Lecture in the Section

**C.6 Problems anticipated and suggestions for solutions, if any**  
Membership retention, in particular student membership.

**PART D - GOALS AND PLANS –**

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

Various units (e.g. YP, WiE, chapter, council) of the section receive projects and funding support from the IEEE and implement them towards the objective as per the stipulated timeline in the project.

**D.2 Goals and Future Plans**

- Encourage active student branch to have chapter unit and having more activities.
- Make dormant branches active with section's support.
- More quality technical events and networking activities need to be organized.
- Periodical F2F sessions among volunteers on training besides CLE and other regular support.

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

More and more networking events, collaborative events.

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

Reaching out to new members and engaging them in quality activities for sustainable growth and financial stability.

**Kiran Amin**  
**Chair, IEEE Gujarat Section**