

2022 IEEE Region 10 - Activities Submission Form

Council Name: IEEE Bombay Section

Council website: <https://ieeebombay.org>

About IEEE Bombay Section

On July 13, 1976, the IEEE Bombay Section was founded from the former India Section, together with the sections of Delhi and Bangalore. The current Bombay Section area encompasses Maharashtra, Goa, Daman & Diu. The IEEE Gujarat Section, IEEE Pune Section, and IEEE MP Section sprang out of the IEEE Bombay Section. IEEE Bombay Section is a registered trust with an office at the Don Bosco Institute of Technology in Kurla (W), Mumbai. The Bombay Section is one of the largest sections in India, with 7000+ members, 4200 of which are student members scattered among 100 student clubs across the section's area. There are 14 societies and 4 affinity groups in this area. In 1977, the Bombay Section organized the first workshop to introduce the microprocessor and its applications to our country. The SMC Society's International Conference on Systems, Man, and Cybernetics was held in Bombay in 1984, and it was the first IEEE conference conducted in India. In 1989, the Bombay Section sponsored TENCON, the main annual international technical conference of IEEE Region 10, as well as numerous other notable conferences and other events.

**Submitted by: Saurabh N. Mehta, IEEE Bombay
Section Secretary**

**Many of our activity reports are available at the
repository Link:**

<https://drive.google.com/drive/u/4/folders/1RnAFg7tz5uXdpsNgmIfR7CL3aqQQ3NZD>

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Part A – Section Summary

A.1 Executive Summary

- Section Executive Committee Member List

Sr No	Name	Position
1	Satyanarayana Bheesette	Section Chair
2	Suryanarayana Doolla	Immediate Past Chair (2020)
3	Anand Gharpure	Chair-Elect
4	Saurabh Mehta	Secretary
5	Kiran Talele	Treasurer
6	Anita Diwakar	Chair, Technical and Professional Activities (TPA)
7	Mukund Sathe	Webmaster
8	Zakir Rather	Chair, Social Media
9	Dattatray Sawant	Chair, Membership Development (MD)
10	Hannan Satopay	Chair, Young Professionals (YP)
11	Sarika Chouhan	Chair, Student Activities
12	Lochan Jolly	Chair, Educational Activities (EA)
13	Sangita Santosh Chaudhari	Chair, Women In Engineering (WIE)
14	Vijaylaxmi Kumbhar	Chair, Special Interest Group on Humanitarian Technology (SIGHT)
15	R.Muralidharan	Chair, Life Member Affinity Group (LMAG)
16	Arvind Kumar	Chair, Industry Relations
18	Rekha Labde	Chair, Conferences
19	Arghya Mitra	Chair, News Letter (In The Loop)
20	Anjali Deshpande	Chair, Section Awards
21	Chanakya Jha	Chair, Intra/Inter-Section Synergies
22	Vikram Patil	Chair, Innovation and Entrepreneurship
23	Abhay Gandhi	Chair, Nagpur Sub-Section

- **Section Highlights**

<https://ieeebombay.org/>

- **Major Events (International, National)**

1. K. Shankar Award

Prof. K. Shankar was the Treasurer, IEEE Bombay Section during 1988-89. IEEE Bombay Section has decided to revive, rename and rescope the previous initiative 'K. Shankar Paper & Project Contest'. Guidelines for the award in the new format were arrived at by a committee (headed by) Anand Gharpure, Mohan Aware, R.N. Patel, Sarika Chouhan, Anita Diwakar and Gandhar Suryavanshi. Thanks to one of our students Jayesh Rathod from Pimpri Chinchwad College of Engineering and Research, Ravet for enhancing Prof. K. Shankar's photograph. We received about 100 nominations under the eight categories this year – namely UG, PG, Professional and industry members and for both journals and conference proceedings. These are published in the IEEE Journals and Conference proceedings. We went through meticulous process of refereeing and arrived at the awards. The Award function was attended by Dr. Suresh Nair, Chair, IEEE India.

2. IBSSC 2022

The 4th IEEE Bombay Section Signature Conference (IBSSC-2022), is an international conference organized by IEEE Bombay Section and SVKM's NMIMS MPSTME, Mumbai, India. This flagship event will serve as a forum for disseminating the most recent advances in healthcare, agriculture, intelligent transportation, and renewable electronics, as well as potential research prospects. The magical city Mumbai, was be the host for the IBSSC-2021. Experts, scholars, and industry professionals from all over the world will present and discuss their work, shedding light on emerging technology developments in a comprehensive manner. Themed, **"Frontiers of Technology: Fuelling prosperity of the planet and people"** this flagship conference of the IEEE Bombay Section will feature a comprehensive high-quality technical program including a variety of paper presentations, poster sessions, industry exhibits, experts talks, tutorials by eminent speakers and exhibition corners.

3. 2022 IEEE R10 TENSYP

The tenth edition of IEEE Region 10 Symposium 2022 (TENSYP 2022) is being held in Mumbai, India during **1st – 3rd July 2021** in **Physical/Offline Mode**. While the theme of this conference is **"Technologies on the horizon for the benefit of humanity"**, the scope of this conference has been kept reasonably wide with the following major topics (But not limited to):

- AI and Blockchain Paradigms for the changing world
- Antenna, Microwave and RF Engineering
- Humanitarian and Social impacts of Technologies
- Low power VLSI devices, Circuits and Systems
- Novel Education Technologies in the new normal

- Photonics Technologies
- Power Electronics and Systems
- Renewable Energy Technologies
- Sensors and IoT applications in Health and Agriculture
- Signal, Image, and Video processing

Please visit the conference website for more details:

<https://www.ieeebombay.org/tensymp2022/>

4. iCONNECT- Principal/ Director's Meet -9th March 2022

The IEEE Bombay Section hosted the 'IEEE–Institute Connect Meet (iCONNECT 2022)' on March 9, 2022, an interaction meeting between Principals/Directors of Engineering Institutes in and around Mumbai and the IEEE Bombay Section EXECOM. Heads of 23 colleges attended the meeting. The meeting's major goal was to use IEEE's and academics' collaboration to benefit the student fraternity and faculty. How institutes might benefit from IEEE Bombay Section assistance for different technical activities, research, and outreach initiatives that contribute to NBA, NAAC, and NIRF rankings, among other things.

5. Teacher's Congress 2022-25th-27th March 2022

Leadership empowerment is not only necessary for improving work happiness, but it also serves as a mediator between transformational leadership and job satisfaction in the teaching profession. There are three levels of leadership transformation: Within, Between, and Among. Transformational leadership is an instructive strategy. Transformational leadership encourages overall personal growth and accomplishment.

The main purpose of transforming and outshining as a better leader in the teaching industry is to provide its members with current information on educational opportunities available to the various professionals and the training of students regarding ethics, bylaws, technology, professionalism and whatever other pertinent information as deemed necessary which will provide those members with the opportunity to achieve the level of knowledge and skill necessary to serve the public with competence and professionalism.

The event desires at equipping teachers with a leadership mindset and skillset, both of which are much needed in today's academic scenario, and to give insights on how leadership has impacts on the attributes of Design, investigation, problem analysis, and life-long learning.

Link: <https://ieeebombay.org/tc2022/>

6. Students Congress 2022

IBSC'22, with its theme "**Metaverse**", aims to provide its delegates with means to connect with industry professionals and entrepreneurs who are working on Various trending technologies associated with Metaverse such as Augmented and Virtual Reality, Autonomous Vehicles, Machine Learning, Blockchain and Cryptocurrency with Entrepreneurship and Innovation at its center. Expert-led sessions, workshops, seminars and discussions will facilitate a lively and dynamic trade of knowledge between Leaders, professionals, enthusiasts, students and learners. IBSC'22 will provide two days of connection, inspiration, motivation, effective networking and personal development to all its delegates. A dynamic exchange of knowledge, experiences and productive networking from

prominent speakers in the field of Metaverse will ignite young minds to ponder over the predominant issues and career opportunities that Meta offers.

Link: www.ieeebombay.org/sac/congress-2022/

7. IEEE CIS #DiversityMatters funding

The Student Branch Computational Intelligence Society (CIS) Chapter of Rasoni College of Engineering received funding approval: \$3017.50 for their IEEE CIS #DiversityMatters project.

8. MDC funding

9. YP funding

10. Nano Technology Council Chapter

11. Photonics Society

12. July 2021 issue of R10 Newsletter – Article about Bombay Section in the R10 Large Section of the Month.

13. IEEE R-10 New Innovation Challenge Under Educational Activities Prachi Palsodkar, Skills for Employment Development Program (SEDP), \$250

14. IEEE R10 Conference Quality Management Committee (CQM)

TPAC, Bombay Section, 2021 R10 POCO virtual workshop, \$175

Event on August 21, 2021. Deepak Mathur (Chief Guest), Dr Michael Ong, IEEE Region 10 Conference Quality Committee Chair (Speaker)

15. 2021 IEEE R10 Educational Activities Call for workshops on Try Engineering & STEM, Promotion of STEM's Importance in early Childhood classrooms, IEEE PRPCEM Student Branch, PRPCEM, Amravati (Maharashtra), \$290+\$290

16. 2021 Region-10 Call for Capacity Building Workshop under Educational Activity, Promotion of interdisciplinary research, (Virtual Faculty Development Program on Artificial Intelligence for Electrical Engineering in collaboration with Industry Experts in the domain.), IEEE Student Branch, RIT, Islampur

- **Major Chapter Activities**

All of the Above listed activities

- **Major Student and Affinity Group Activities**

Major Student Activities are listed here. Events done by Affinity groups have been listed in Section B.

Number	Date	Event	Description	Attendees
	10th April, 2022	Day 1 IEEE STEP Student Transition Elevation Partnership 2021 (Overview of YP)	IEEE STEP 2021 had session related to Overview of YP and Membership Benefits by IEEE Bombay YP AG members and a panel discussion by 3 YP Chairs of India on How IEEE Helps to survive in Professional World.	180
	11th April, 2022	Day 2 IEEE STEP Student Transition Elevation Partnership 2021 (FinStart)	FinStart was a Webinar on Personal Financial & Investment Planning as a part of STEP 2021	180
	22nd – 29th August 2022	25th IEEE YP Anniversary] Skill Building Week	A week-long event with 3 Hands-on Workshop: 1. Android App Development without Coding: 2. Electronic Circuit Design Course 3. Website Development Course	87
	25th – 26th September 2021	IEEE Bombay Section UpSkill 2021	2 Day Program which focuses on Professional Development. 3 Keynote Sessions, workshop, panel discussion, networking session and quiz contest	247
	28-31 August, 2022	SMELT 2.0	Students Membership Enhancement and Leadership Training focused on delivering to all aspects of all IEEE members and non- members in the form of membership development, VTools training, Leadership training, expert talks, YP connect, SIGHT connect, Technical societies connect, Affinity groups connect, Volunteer interactions, experience sharing, and also grand contests with huge prizes.	300+
	28 th -29 th August 2022	Returning Mother Conference 2021	Educating and encouraging women to return to the profession after motherhood and marriage. Entrepreneurship should be encouraged. Our Vision should be able to grow globally but have our roots locally as well.	500+

- **Awards**

1. IEEE Bombay Section SAC-Winner of IEEE Region 10 SAC Membership Development and Leadership Training Fund 2021 for SMELT 2.0 (Section Membership Enhancement and Leadership Training)
2. Pooja Verma-SAC Committee Volunteer Winner of the IEEE Region 10 Young Professionals REVOL 2021 Program & IEEE Region 10 Young Professionals Ambassador.
3. Shivam Grover-SAC Committee Volunteer Winner of the Richard E. Merwin Scholarship for Spring 2021.
4. Awarded US\$ 175 by IEEE Region-10 for organizing 2021 R10 POCO virtual workshop
5. USD 200 from R10 MDC for MDC project
6. Approval of \$200 for the proposal submitted under 2021 Region-10 Call for Capacity Building Workshop under Educational Activity.
7. The sanction of the fund of \$200 for the conduct of a proposal titled as "Promotion of interdisciplinary research (Virtual Faculty Development Program on Artificial Intelligence for Electrical Engineering in collaboration with Industry Experts in the domain.) (Proposal ID:371)" to IEEE IEEE Bombay Section under IEEE R-10 Capacity Building Workshop Under Educational Activity.
8. 1500 USD for YP Meet-Up
9. 550 USD for UpSkill 2022
10. 2nd Prize (Dimple Khilwani & Chinmay Tompe) at YP Pitch Contest at R10 SYWL Congress 2020
11. Jeet Dagha – IEEE India Council Outstanding YP Volunteer Award 2020
12. Pooja Verma – Selected as R10 YP Ambassador (2021-22) and free IEEE Membership
13. IEEE Bombay Section YP AG was one of the partners at IEEE R10 YP Sparklers Summit 2021
14. Rs. 24500/- + 2000\$ funding received for 3 events
15. IRC activities have strengthened the professional relationship among various industries, research organizations and academic institutes, thus helping to establish an effective industry-academia interface in the country.
16. IRC activities have helped in contacting around 500 industries for co-sponsorship and participation in IEEE Bombay Section Signature Conference (IBSSC-2021).
17. Prospective IRC Volunteers have been nominated for consideration of 2021 IEEE R10 WIE Outstanding Volunteer Award and 2021 Best IRC Volunteer Award.
18. SIGHT Day 2022 Trivia Challenge Raffle Winners- Vaishnavi Nandkishor Patil, Aachal Chhotelal Tembore.
19. R 10 HTA Video Contest 2022 winners.
20. Prof. Vijayalaxmi Kumbar , received IEEE Pre-University STEM Portal Grant proposal, "Epoxy Based Solar Panel Making Workshop" award for \$2000.
21. Proposal " Autonomous Sanitizing Floor Cleaner Robot " (R10-HTA-020) in response to the IEEE Region 10 & IEEE HAC Special Call for Proposals: Addressing Local Needs During COVID Time for \$332.
22. IEEE Region 10 HTA Activities Outstanding Section Awards - IEEE SIGHT Bombay Pratham Chapter.
23. Mr. Shivam Grover SSR, IEEE Nagpur Subsection. For winning the Richard E. Merwin Scholar, spring 2021
24. Ms. Trushita Sonkusre Best IEEE pes Day WIE- Ambassador

25. Anand Gahrpure, Kiran Talele and Saurabh Mehta, awarded Bapat Award 2022
26. Many Past Chairs were awarded FC Khohli Life time achievement awards, 2022
27. Many IEEE Bombay Section awarded BY IC Awards 2022
28. IEEE Region-10 HTA Highlight video Contest

A.2 Financial Report

- Summary (as per submitted on NetSuite)

	BOMBAY SECTION R00121 BUDGET	Budget 20-21	Actuals As Per Financial Statement
A	Income		
1	Rebate from IEEE Headquarters / Reimbursement	21,91,000.00	22,53,484.00
2	Interest from SB & FD accounts / IT Refund	3,47,000.00	4,34,555.00
3	Income form Events and other sources	1,94,000.00	6,28,432.00
	Total Income	27,32,000.00	33,16,471.00
B	Expenses		
1	Conferences (net outflow)	2,40,000.00	19,28,087
2	Professional Activities (Workshop/Seminars/DLs)	2,70,000.00	10,39,089
3	Area wise Technical activities	2,25,000.00	15,000/- + 89,495/- (AISWLC+IBIS hotel)
4	Job Fairs	-	-
5	Student Activities (Section)	2,50,000.00	1,77,920
6	Grants and Awards (Students)	1,00,000.00	5,65,780.21
7	Meeting and Social Events	1,25,000.00	73,158
8	Promoting IEEE Brand, Website, Membership Development	-	-
9	Travel	2,00,000.00	3,30,297
10	Accounting, Audit, Section registration expenses	82,500.00	1,39,531
11	Other Management, General Expenses, Secretarial assistance	1,70,000.00	2,98,916
12	Society Chapters	1,20,000.00	21,93,064
13	Affinity Groups	1,20,000.00	4,21,823
14	Sub-Sections (complete)	4,80,000.00	3,49,400
	Total Expenses	23,82,500.00	76,21,560.21

Part B – Administrative

IEEE Bombay Sections Conducts Execom meeting every second Saturday of the Month (with a few exceptions due to festivals or special reasons) with agenda. Besides regular meetings, committee chairs/Chapter/affinity groups conduct their meetings. Every year IEEE Bombay section holds AGM for administrative matters. Please see the summary table for more details.

Table 1: IEEE Bombay Section Execom and AGM Meetings Details

Sr. No	Date	Meeting	Average Attendance	Remarks
1	8 th Jan 2022	Execom meetings (Virtual and Hybrid)	8	To take regular updates on various sections' activities and discuss administrative matters execom meetings are held. These meetings are also used for discussing future events and plans. Some samples of MoM could be seen at the repository Link: https://drive.google.com/drive/u/4/folders/1RnAFg7tz5uXdpsNgmlfR7CL3aqQQ3NZD
2	12 th Feb 2022			
3	12 th Mar 2022			
4	9 th April 2022			
5	14 th May 2022			
6	23 rd July 2022			
7	27 th Aug 2022			
8	10 th Sep 2022			
9	12 th Nov 2022			
10	10 th Dec 2022			
9	23 rd July 2022	AGM Meeting	20 Physical	AGM meetings are organized for discussing administrative matters and

Part B- Subsection, Students and Affinity Group Activities

(Students/Young Professionals/Women in Engineering/Life Member/Humanitarian Activities/Educational Activities)

Please see the summarized tables of different activities.

Table 2: IEEE Bombay Section Student Activity Committee (Jan 2022 to Dec 2022)

Number	Date	Event	Description	Funding Agency (IEEE Bombay Section/R10/IC etc)	Funding Amount (INR)	Attendees
1.	16th January 2022	SAC Core Committee Meeting	IEEE Bombay Section SAC meeting to discuss the Upcoming events (DLI Workshop and Students Congress), and to create an action plan on how the workflow will be.	--	--	6
2.	29 January 2022	NVIDIA DEEPLARNING WORKSHOP	IEEE Bombay Section SAC conducted an online instructor led workshop on "Fundamentals of Deep Learning" in association with NVIDIA.	Bombay Section		180
3.	5th Feb 2022	SAC Team meeting	Briefing the Team with the ongoing work progress and taking updates on the same from the team leads	--	--	30
4.	26th & 27th February 2022	IEEE Bombay Section Student Congress	IEEE BS Students Congress 2022, with its theme "Metaverse", aims to provide its delegates with means to connect with industry professionals and entrepreneurs who are working on Various trending technologies associated with Metaverse such as AR, VR, Machine Learning and Blockchain. Expert-led sessions, workshops, seminars and discussions will facilitate a lively and dynamic trade of knowledge between Leaders, professionals, enthusiasts and students.	Bombay Section		356
4.	10th April 2022	IEEE BS SAC Volunteers Induction Meet-Up	The Student Activities Committee of Bombay Section organises a meet up for all the student volunteers of the committee to network and engage with each other as they step into the forthcoming year. The event involved newly	Bombay Section	15,000.00	36

			appointed volunteer introduction as well as volunteer, past SAC team members and senior member interaction. The attendees were also introduced to the SACs past activities and were given a glimpse into the events that they will be working on in the forthcoming tenure.			
5.	26th August 2022	STUDENT BRANCHES MEET - GOA REGION	The Student Activities Committee of IEEE Bombay Section in coordination with IEEE Student Branch of Don Bosco College of Engineering Fatorda, Goa (DBCE) organized a IEEE Bombay Section Student Branches Meet on 26th August 2022 from 11.00 am to 3.00 pm. Six Colleges under IEEE Bombay Section participated in this event. The main purpose of the meet was to discuss the activities undertaken by different student branches and colleges under IEEE Bombay Section and to initiate a connection among the student branches as well as a connection between student branches and IEEE Bombay Section.	Bombay Section/ R10	32892.00	36
6.	27th August 2022	STUDENT BRANCHES MEET - KOLHAPUR REGION	The IEEE Bombay Section Student Activities Committee in coordination with DKTE Society's Textile and Engineering Institute, Ichalkaranji organized a Student Branch Meet Up on 27th August 2022 from 10.00 A.M.to 5.30 P.M. Total 90 Participants from 11 Engineering Colleges under the IEEE Bombay Section participated in this event. The main purpose of the meet was to discuss the activation of dormant IEEE student branches, discussion on activities undertaken by different student branches under IEEE Bombay Section and to collaborate with the other student's branches for keeping events under IEEE Bombay Section and Region- 10.	Bombay Section/ R10	46892.00	90
7.	2nd September 2022	STUDENT BRANCHES MEET - NASHIK REGION	The Student Activities Committee of IEEE Bombay Section successfully conducted sessions in the following institutes. 1. SIEM: Sandip Institute of Engineering and Management 2. SITRC: Sandip Institute of Technology and Research Center 3. MCOERC : Matoshri College of Engineering & Research Centre, Eklahare, 4. KK WAGH: Karmaveer Kakasaheb Wagh	Bombay Section/ R10	15892.00	502

			<p>Institute of Engineering Education & Research, Nashik</p> <p>5. NDMVP's KBGT COE: Maratha Vidya Prasarak Samaj's Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering</p> <p>At each institute the SAC representatives had meeting with the Principal, Heads of various departments and senior faculties before the session. These meetings were followed by the sessions mentioned above. All session were attended by students and faculties with the overwhelming response as per the targeted audience.</p>			
8.	3rd-5th September 2022	SMELT 3.0	<p>Section Membership[Enhacement and Leadership Training (SMELT) is the flagship event of IEEE Bombay Section Student Activities Committee. This year marks the 3rd edition of SMELT. The complete geography of the section will be focused on for the Membership Engagement and Benefits communication drives to take a proper approach with dedicated tracks for various segments of members we carry. One dedicated day towards leadership orientation and training expects to set up a strong channel for the branch volunteers and leadership of various aspects to take a strong approach and shape the branches in the best possible way.</p>	Bombay Section/ R10	59338.56	205
9.	1st October 2022	IEEE Xtreme Overflow	<p>Xtreme Overflow is a 14-hour-long competitive coding competition focused on introducing students to the world of competitive coding. Teams of students shall compete against each other to complete a set of programming questions within the determined time limit.</p>	Bombay Section	20000.00	97

Table 3: IEEE Bombay Section Young Professional Committee (Jan 2022 to Dec 2022)

Number	Date	Event	Description	Funding Agency (IEEE Bombay Section/R10/IC etc)	Funding Amount (INR)	Attendees
1.	5th & 6th August 2022	Cygnus 2022, GHRCE	IEEE Bombay Young Professionals AG along with GHRCE & IEEE CS has jointly organized an event especially designed for prospective YPs and YPs. As part of the event, the Young Professional AG had an exclusive networking event for all the participants. The event helped in expanding the reach, increasing collaboration and creating awareness about the benefits of continuing as Young Professionals with IEEE.	IEEE Bombay Section	30,000	80
2.	13th August 2022	Hands-on Workshop Session & YP Awareness, VSIT	IEEE Bombay Young Professionals AG along with VSIT, Mumbai organized a hands-on workshop cum YP Awareness program.	--	--	50
3.	16th & 17th September 2022	YP Awareness + Hands-on Development Workshop, SITRC	#tech events are an initiative by IEEE Bombay Section Young Professionals to inculcate practical skills by organizing hands-on workshops on the most sought-after skills and recent trends in the industry.	IEEE Bombay Section	6000	75
4.	19th & 20th September 2022	YP Awareness + Hands-on Development Workshop, UMIT	#tech events are an initiative by IEEE Bombay Section Young Professionals to inculcate practical skills by organizing hands-on workshops on the most sought-after skills and recent trends in the industry.	IEEE Bombay Section	2000	75
5.	21st September 2022	YP Awareness + Hands-on Development Workshop, MHSSC	#tech events are an initiative by IEEE Bombay Section Young Professionals to inculcate practical skills by organising hands-on workshops on the most sought after skills and recent trends in the industry.	IEEE Bombay Section	2000	75

6.	30th September 2022	Career Development Program (CDP), SAKEC	Career Development Project (CDP) is an effective program that aimed at final year students who are soon to make their professional sector debut and help them in professional growth. It is developed to facilitate the transition of a student member to a young professional by introducing the practical career building activities such as: Develop Professional Brand, Speed Networking & Mock Interviews.	R10 YP + IEEE Bombay Section	50,000	75 (Physical) 200 (Virtual)
7.	14th & 15th October 2022	REACH 2022, DKTE	<p>As part of the Young Professionals (Global) Local Activity program, a REACH (Remember Every Action Can Help) event has been organized by IEEE Bombay Section Young Professionals at DKTE'S Textile & Engineering Institute, Ichalkaranji.</p> <p>The goal of REACH was to reach second/third tier cities to spread awareness and conduct technical programs to introduce them to the resources and opportunities needed to keep on top of changes in technology. A hands-on workshop for engineering students from nearby colleges was organized on the topic of Internet of Things. For local state government school students, a STEM Workshop was organized that combined origami and electronics to create an immersive learning experience.</p>	IEEE YP (Global)	60,000	155
8.	17th & 18th October 2022	Hacktoberfest 2022, PPCOE&R	An initiative to provide a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation mindset of problem- solving. to harness creativity, encourage innovative spirit and present out-of-the box solutions.	--	--	70

Table 4: IEEE Bombay Section Women in Engineering Committee (Jan 2022 to Dec 2022)

No.	Date	Event	Description	Funding Agency (IEEE Bombay Section/R10 /IC etc.)	Funding	Attendees
1	19th February 2022	DECODE: It's not only an Image	Hands on session using OSINT to decode images in collaboration with Department of Information Technology, K. J. Somaiya College of Engineering, Mumbai https://m.facebook.com/story.php?story_fbid=pfbid021dHuRJVuoHLyNexUbbvhA7f6qY418F8VCNn1ePou1aLJB2txkFDyPRURi36ydXhHI&id=613575242630929&mibextid=nxlvZT	--	--	40
2	26th February 2022	Webinar on "Ergonomics for IT Professionals" [online]	A special webinar by Uma Tulapurkar for IT professionals and engineers focusing on the importance of understanding ergonomics and following it in daily life. The speaker shared valuable tips for the community to be ergonomics-aware. https://m.facebook.com/story.php?story_fbid=pfbid0D5qWgzbnCb1Bfu2xcHT4h5tZaa4xLQTh1NV4GchFvYX45MWOm82Dz9axqWvxHSJHI&id=613575242630929&mibextid=nxlvZT	--	--	20-25
3	8th March 2022	Panel Discussion on Women in Research: Opportunities and	On the Occasion of International Women's Day, IEEE WIE Bombay Section and IEEE DMCE SB organized a Panel discussion on Women in Research: Opportunities and	--	--	30+

		Challenges [online]	Challenges. Panelists: Dr. Vandana Nanal, Dr. Sheldon S. Williamson, Dr. Dhanashree Vyawahare, Dr. Varsha Turkar https://m.facebook.com/story.php?story_fbid=pfbid0LEBPcgRcbXEEyR4rXkeuLFEmqSFAJBb7RM2M9Ld7toMLSj9Y1vtKxyD7ryevyk5nl&id=613575242630929&mibextid=nxlvZT			
4	19th March 2022	Panel Discussion on Gender Equality Today for a Sustainable Tomorrow [online]	Panel Discussion was organized in collaboration with IEEE India Council and all IEEE Section WIE AGs from India on Gender Equality Today for a Sustainable Tomorrow. It received overwhelming response from participants. Dr. Prasanna Nambiar, Jyoti Pahadsingh and Lavanya Raghuraman are the eminent panelists.	--	--	50+
5	09th April 2022	Understanding PCOS [online]	The objective of this National Webinar was to create awareness among women of all ages and levels to understand PCOS. The webinar also helped to know the truths and myths about PCOS. This activity was conducted in collaboration with Association of Social Service Superintendents Maharashtra. https://m.facebook.com/story.php?story_fbid=pfbid029q7yjZX4Ye8hiebuHyUbXB3zjT4aiMofUXgXF29cJrzuvv6pCCBzu9ja8a9YVwXZI&id=613575242630929&mibextid=nxlvZT	--	--	50+
6	30th April 2022	Webinar on Career opportunities in EV Industry: Present and Future [online]	Webinar on Career opportunities in EV Industry: Present and Future by Prof Devendra Gowda was organized in collaboration with IEEE Bombay Section YP and PES. https://m.facebook.com/story.php?story_fbid=pfbid0n98Tmo62pR3Joeba8R	--	--	25

			Y5WtMjcRS2r4uVjzxcqqcyjt5V5Lbq2Zy9dUEUu1AKHR7I&id=613575242630929&mibextid=nxlvZT			
7	18-25 June 2022	IEEE WIE Project Based Learning School Camp 3.0 [Physical]	It was a collaborative event focused on Learn-Collaborate-Innovate Theme: Sustainable Technology for Humanity. https://m.facebook.com/story.php?story_fbid=pfbid035u68yAjUgCu8uWNbi1HHqs17swQV5SToL7YHhXsWanf9k4yHAP2oQ1Q7wiX6itz2l&id=102964865160035&mibextid=nxlvZT	IEEE Bombay Section	5000	100+
8	9th July 2022	Shakuntala Bhagat Lecture Series [online]	Session on Women in Leadership: Barriers & Bias delivered by Jenifer Castillo R. https://m.facebook.com/story.php?story_fbid=pfbid0SntPWR54jMDpJGuPZJJCiVZd4nZs56qHurLjBDHGsczqfZ3qh4KUBBtbw7Jqf74l&id=613575242630929&mibextid=nxlvZT	--	--	25
9	12-20 August 2022	Algo Bharat Hackathon [online]	Hackathon for University Student was conducted in association with Algo Bharat and IEEE Bombay Section YP. https://m.facebook.com/story.php?story_fbid=pfbid0zH6dLC7H61r93m1WRbJXFzmTkhVkstBaVQu4K57ZU8bqWVWkWQNWDSptgDAbgnX7LI&id=613575242630929&mibextid=nxlvZT	--	--	20+
10	August-Sept 2022	SHE: She Her Experience [online]	Video making Contest on the following themes: Women in Sports, empowering Women, empowering Humanity, Women in Technology was	IEEE Bombay Section	8500	10+ Entries

			<p>organized</p> <p>https://m.facebook.com/story.php?story_fbid=pfbid02tny7BqJjA1bQAavBeLMnh8pb78GkbnREbatMFRTjJTGuHQCKnAX8kEqVu125qaLVI&id=613575242630929&mibextid=nxlvZT</p>			
11	19-20 September 2022	<p>#Tech Workshop on Amazon Alexa and Data Science</p> <p>[Physical]</p>	Two days Hands on workshop on Amazon Alexa and Data Science conducted at UMIT, SNDT women University in collaboration with IEEE Bombay Section YP and UMIT SB.	--	--	45
12	4-12 October 2022	Fitathon	<p>A virtual 3km challenge was organized to celebrating 25th Anniversary of IEEE WIE.</p> <p>https://m.facebook.com/story.php?story_fbid=pfbid0321u2C2q6YJfP5VRHTZFZ8DX4E6esYHistcmkGR111upkTzL9gDfpzcJjetYmuRGkl&id=613575242630929&mibextid=nxlvZT</p>	--	--	8
13	31st Oct 2022	<p>Shakuntala Bhagat Lecture Series</p> <p>[online]</p>	<p>Session on Women in Entrepreneurship to be delivered by Ms. Chitrlekha Vaidya</p> <p>https://m.facebook.com/story.php?story_fbid=pfbid02eAx9i7nkn3297rb3cn2fAGLnphJSHhjVAbxNa69WUKCiu7YmqmqMKwSL6JpWfEDI&id=100080046018915&mibextid=nxlvZT</p>	--	--	planned
14	Every Month	WIE AG Committee Meetings	Discussion on various activities planning and conduction, Outreach activities planning	--	--	33

Table 5: IEEE Bombay Section Life Members Committee (Jan 2022 to Dec 2022)

Number	Date	Event	Description	Funding Agency (IEEE Bombay Section/R10/IC etc)	Funding Amount (INR)	Attendees
1	July 2022	Talk	Prof. Juzer Vasi "Solar Energy in India -- Deployment and Manufacturing"	-	-	25
2	July 2022	Special Session	a special session as Life members track SS6 was held in Tensymp22 by Bombay section LMAG on July 2, 2022 from 5 30 to 7 30 PM.	-	-	30
3	Aug 2022	Talk	R. Muralidharan "Engineering Strategic Systems"	-	-	25

Table 6: IEEE Bombay Section SIGHT Committee (Jan 2022 to Dec 2022)

Number	Date	Event	Description	Funding Agency (IEEE Bombay Section/R10/IC etc)	Funding Amount (INR)	Attendees
1	28 April 2022	Webinar Series “Learn from the Leaders” Topic: Projects to meet UN Sustainable Development Goals.	<p>The webinar was focused on encouraging IEEE Members as well as Student Members to execute projects which will benefit the society to ultimately fulfill the UN Sustainable Development Goals, bringing their technical skills into use for a bigger cause.</p> <p>Dr. Celia Shahnaz talked about the need to start thinking about societal projects, how to get help from mentors to execute them and gave examples of humanitarian projects -</p> <ul style="list-style-type: none"> ● Automatic Hand Sanitizing Device - to aid during Covid -19 period. ● Discovering Efficient Imaging Techniques to obtain accurate data and predict Covid–19 cases using Deep Learning techniques. ● Low cost wearable blood sugar estimation device to get information about the blood sugar levels in a non-invasive manner. <p>Thus it served as a great learning experience as well as a motivating tool for all participants to work towards the attainment of the UN Sustainable Development Goals.</p>	IEEE Bombay Section	--	42

2	28 May 2022	<p>Webinar Series “Learn from the Leaders”</p> <p>Topic: Sustainable Development Plans and Opportunities.</p>	<p>The webinar was focused on encouraging students to ideate and execute sustainable projects which will benefit humanity to ultimately fulfill the UN Sustainable Development Goals.</p> <p>Mr. Albin Paul talked about the 17 United Nations Sustainable Development Goals, their significance, and India’s status regarding each goal. He also talked about the sustainable, humanitarian projects he volunteered for. He gave the example of a Smart Classroom Among the Woods as a sustainable project. He also told the students the importance of using their engineering knowledge for the benefit of the masses.</p> <p>Ms. Tasnim Binte Shawkat talked about how important the commercialization of humanitarian projects is. The projects one implements must provide value to some section of the society in order to be successful. She also talked about the motto of the 17 SDGs and how students must start thinking about fulfilling them through their projects.</p>	IEEE Bombay Section	--	37
3	31 July 2022	<p>Webinar on Humanitarian Drone Project from Budding Innovators</p> <p>Topic: Experience sharing after successfully completed Drone Project</p>	<p>The Project which was started by a group of people on how they can work on the Humanitarian Project by including latest trends like drones. So, these bunch of innovators made Drone which can carry Blood from one place to another. This project received a grant of 499\$ from IEEE HTA competition. After successfully completing these innovators were passionate about working in the drone industry and they registered as a Private Limited Company. This webinar helps us to understand their experience and how they are looking forward to drone industry.</p>	IEEE Bombay Section	----	21
4	13-15 August 2022	E- Cyclothon 2022	<p>E- Cyclothon 2022 is the design challenge of electric bicycles. In this competition electric bicycle design and manufacturing challenge was given to the students of various engineering and diploma colleges.</p>	A. P. Shah Institute of Technology, Thane and Modified Auto Club under AICTE’S SPICES scheme	---	50
5	14 August 2022	<p>Digital Poster Making and Presentation Competition</p> <p>Topic: Digital Poster Making on the theme - Technology Deployments to</p>	<p>The competition consisted of two steps - first phase was ideation of how various technology deployments can be used to improve rural life quality and submission of the abstracts related to the idea.</p> <p>Later, the participants submitted their final posters and were given a platform to present their ideas and get their posters evaluated by distinguished judges.</p>	IEEE Bombay Section	Rs. 5,000/-	22

		<p>Improve the Quality of Rural Life :</p> <ol style="list-style-type: none"> 1. Digital Education Outreach 2. Sustainable Energy 3. Smart Agricultural Systems 				
6	14 September 2022	<p>STEM Teaching Drive</p> <p>Topic:</p> <ol style="list-style-type: none"> 1. Soil Moisture Detection and Irrigation System 2. Water Level Detection and Control System 	<p>We visited 2 local schools in Nashik and taught the students how to build Smart IoT projects, useful for farmers. The event was sponsored by IEEE Bombay Section, with technical assistance from SIGHT Pratham, IEEE Bombay Section.</p> <p>Our volunteers initially explained the components and showed the working of each and every component used in preparing both the projects.</p> <p>Then we showed them how to write and feed code into the IoT devices and also gave the students a hands-on experience of the projects.</p> <p>The purpose of this event was to build smart IoT based projects, useful in the agricultural sector and also to inspire budding engineers and teach them how to build such projects from scratch.</p>	IEEE Bombay Section	Rs. 13,000	343
7	30 Sep 2022	<p>Webinar on Proposal Writing Topic: How to Write a Proposal for Funding</p>	<p>The webinar was focused on the details of writing a funding proposal.</p> <p>Dr. Ashwini Kotrashetti guided the attendees on why to file for a proposal and how to write a persuasive proposal while focusing on the target audience for whom the proposal is meant.</p> <p>Thus, the attendees were able to gain important information on how to put forth a proposal for funding their academic/ research projects as well as receiving sponsorship for other activities of their interest.</p>	IEEE Bombay Section	----	52

Table 7: IEEE Bombay Section Education Activity Committee (Jan 2022 to Dec 2022)

Number	Date	Event	Description	Funding Agency (IEEE Bombay Section/R10/IC etc)	Funding amount	Attendees
1.	1st Nov 2021 ti 31st March 2022	STEM phase -I	Techworld was conducted by 9 SB's under section	IEEE BS sponsored-	1,17,000/-	1573
2.	1st June to 17th July 2022	FDP	5 FDP's were conducted by SB's of IEEE BS	IEEE BS	798655/-	394
3.	27th June to 2nd July 2022	Education 4.0	Capacity Building Program	IEEE-R10 & IEEE-BS	250\$ 250\$ =40008	114
4.	18th June 2022	Try engineering	STEM workshop	IEEE-R10 & IEEE-BS	150\$ 150\$ =Rs.23,926/-	67
5.	29th June 2022	Reaching the Local	STEM workshop in regional language	IEEE-R10	200\$=Rs15976.8/-	179
6.	1st JUNE 2022 ti 30th September2022	STEM phase -II	Techworld was conducted by 14 SB's under section	IEEE BS sponsored-	1,43,000/-	2803

Table 8: IEEE Bombay Section Membership Development Committee (Jan 2022 to Dec 2022)

Number	Date	Event	Description	Funding Agency (IEEE Bombay Section/R10/ICetc)	Funding Amount (INR)	Attendees
1	13th April 2022	Membership Awareness Program	A Seminar on IEEE Membership Benefits was conducted on 13th April 2022 at Sardar Patel Institute of Technology, Andheri by Prof. Dattatray Sawant	---	---	40
2	14th May 2022	New Student Branch Initiative Program	A Seminar on IEEE Membership Benefits was conducted on 14th May 2022 at Vivekanand Education Society's Polytechnic, Chembur by Prof. Dattatray Sawant	----	----	150
3	1st – 3rd July 2022	TENSYMP 2022	MDC Booth was setup for Membership Awareness during TENSYP 2022 scheduled from 1st – 3rd July 2022. Following IEEE Bombay Membership Promotional Material was designed and printed :- 1) IEEE BS Professional Membership Leaflet 2) IEEE BS Student Membership Leaflet 3) IEEE BS Bag Tag 4) IEEE BS Membership Benefits Pull Up Banner	IEEE Bombay Section	25,000/- Rs	300
4	23rd July 2022	Branch Counsellor Meet 2022	IEEE Bombay Section's Branch Counsellor Meet 2022 was organised on 23rd July 2022 at IBIS Hotel, Nashik	-----	-----	30
5	29th July 2022	New Student Branch Initiative Program	A Seminar on IEEE Membership Benefits was conducted on 29th July 2022 at Rizvi College of Engineering, Bandra by Prof. Dattatray Sawant and Prof. Pramod Bide	----	----	150
6	30th July 2022	POCO 2022	IEEE Bombay Section's POCO 2022 was organized on 30th July 2022 at Seminar Hall, Mukesh Patel Auditorium, NMIMS University, Mumbai	IEEE Bombay Section	30000/- Rs	40
7	4th August 2022	Membership Awareness Program	A Seminar on IEEE Membership Benefits was conducted on 4th August 2022 at MGM's College of Engineering and Technology, Kamothe by Prof. Dattatray Sawant and Prof. Pramod Bide	---	---	250
8	5th August 2022	Membership Awareness Program	A Seminar on IEEE Membership Benefits was conducted on 5th August 2022 at K J Somaiya Institute of Engineering & Technology, Sion by Prof. Dattatray Sawant	---	---	150
9	25th August 2022	Membership Awareness Program	A Seminar on IEEE Membership Benefits was conducted on 25th August 2022 at Vidyavardhini College of Engineering, Vasai by Prof. Dattatray Sawant	---	---	120
10		New Student Branch Initiative	A Seminar on IEEE Membership Benefits was conducted on 06th October 2022 at University	---	---	50

	06th October 2022	Program	Department of Information Technology, University of Mumbai by Prof. Dattatray Sawant			
11	14th October 2022	New Student Branch Initiative Program	A Seminar on IEEE Membership Benefits was conducted on 14th October 2022 at Nanasaheb Mahadik College of Engineering, Walva, Sangli by Prof. Dattatray Sawant, Prof. Pramod Bide and Prof. Adil Sheikh.			300
12	14th October 2022	New Student Branch Initiative Program	A Seminar on IEEE Membership Benefits was conducted on 14th October 2022 at Annasaheb Dange College of Engineering & Technology, Ashta, Sangli by Prof. Dattatray Sawant, Prof. Pramod Bide and Prof. Adil Sheikh			300
13	14th October 2022	Membership Awareness Program	A Seminar on IEEE Membership Benefits was conducted on 14th October 2022 at Walchand College of Engineering, Sangli by Prof. Dattatray Sawant, Prof. Pramod Bide and Prof. Adil Sheikh		Rs	40
14	15th October 2022	New Student Branch Initiative Program	A Seminar on IEEE Membership Benefits was conducted on 15th October 2022 at Adarsh Institute of Technology and Research Centre, Vita, Sangli by Prof. Dattatray Sawant, Prof. Pramod Bide and Prof. Adil Sheikh			300
15	21st October 2022	Membership Awareness Program	A Seminar on IEEE Membership Benefits was conducted on 21st October 2022 at Don Bosco Institute of Technology, Kurla by Prof. Sandeep Mishra			25

Part C – Professional Activities

Continuing Education includes Professional Lectures, Seminars, and Workshops / Technical Activities / Partner University / Industry Activities). Please see the summarized tables of different activities.

Table 9: IEEE Bombay Section Technical and Professional Activity committee (Jan 2022 to Dec 2022)

Number	Date	Event	Description	Funding Agency (IEEE Bombay Section/R10/IC etc)	Funding Amount (INR)	Attendees
1	4th September 22	Competition	National Level Coding Competition	-	-	50
2	5th october – 24th October 22	Competition	Hacktober Fest	-	-	75
3	21st August 22	Conference	2022 R10 - Panel of Conference Organizers (POCO) Virtual Workshop	-	-	50
4	3rd July 22	Talk	Webinar on “Social Media – A Red Herring for Personal Data Security and Privacy” by Dr. Hemant Adarkar	-	-	30
5	26th June 22	Talk	SKEP Session on “Advances in VLSI based signal processing and applications” by Dr. B. Satyanarayana			30
6	13th April 22	Talk	SKEP Session on Renewable Energy using Concentrated Solar Power by Dr. Y.S. Rao at PCCOE&R, Ravet			35
7	Aug-Dec 2022	Workshop	Skill Development Sessions/ Workshops (2-3 days) at oKolhapur oGoa Mumbai			100
8	Oct 2022	Competition	National Level Coding Competition			40
9	Sep-Oct 2022	Competition	National Idea Competition			100+Teams

Table 10: IEEE Bombay Section Industrial Relation Committee (Jan 2022 to Dec 2022)

Number	Date	Event	Description	Funding Agency	Funding	Attendees
				(IEEE Bombay Section/R10/ IC etc.)	Amount (INR)	
1	April -Aug 2022	Talk Series	Learning Latitude	-	-	100+
2	30th June & Aug 2022	Mini Conference	Industry & Academia collaboration for Research and Innovation on Carbon Footprint Reduction	R10 & IEEE Bomaby Section	80000	100+

Table 11: Society and Chapters Events Details (Jan 2022 to Dec 2022)

AESS

Number	Date	Event	Description	Funding Agency (IEEE Bombay Section/R10/IC etc)	Funding Amount (INR)	Attendees
1	15 Jan 2022	AAKAAR Competition	All India level Competition for Grant Funding of AESS related business Ideas	Section AESS Chapter	50000	100
2	29 Jan 2022	AAKAAR Results and Member Meeting	AAKAR Judging and selection of winners. Meeting of Members for 6 Monthly plan.			18
3	26 Mar 2022	AESS Opportunities	Presentation to Academia and industry for opportunities on AESS	IEEE AES	100000	85
4	30 APR 2022	CAN Satellite Workshop	CAN Satellite Workshop and competition at Section Level	IEEE AES Galveston Bay	32000	63
5	03 Jul 2022	AESS Promotion	AESS Chapter Advantages Session at TENSYP 2021			20
6	09 Jul 2022	AESS members Meeting	Planning for Second Half of 2022			8

Power & Energy Society / Industry Applications Society

Number	Date	Event	Description	Funding Agency (IEEE Bombay Section/R10/IC etc)	Funding Amount (INR)	Attendees
1	8 April 2022	Plenary Talk @ ICACC2022	<p>IEEE Bombay Section -Power & Energy Society / Industry Application Society Chair Person Bhanwar Lal Bishnoi was Invited Plenary Talk Speaker for 3rd 3rd International Conference on Automation, Computing and Communication, ICACC2022 on topic “Wireless Sensing Network , IoT & Embedded Product Designing for Smart Systems”</p> <p>Organiser : Ramrao Adik Institute of Technology, D Y Patil Deemed to be University , Navi Mumbai , India On 8th April 2022 by Bhanwar Lal Bishnoi , Chair IEEE Bombay Section – Power & Energy Society / Industry Application Society</p>	--	--	80
2.	14 April 2022	Distinguished Lecture Program DLP	<p>Mr. John D McDonald Director from GE Renewables & Past PES President as well 50+years IEEE Member was invited online Webinar to meet the PES Bombay chapter members and deliver a talk on Power System Modernization using Big Data , IoT , Enterprise Data Management and the new data requirements of Drones and Robotic Inspection Devices https://ieeebombay.org/event/a-talk-on- power-system-modernization-using-big-data-iot-enterprise-data-management-and- the-new-data-requirements-of-drones-and- robotic-inspection-devices/</p> <p>https://events.vtools.ieee.org/m/311451</p>	--	--	60
3.	15 April 2022	Speaker from PES Bombay Chapter to IEEE R1 PES YP	<p>IEEE Bombay Section -Power & Energy Society / Industry Application Society Chair Person Bhanwar Lal Bishnoi was Invited Speaker @ IEEE PES Young Professionals for IEEE Region 1 over virtual industrial visit to Schneider Electric Plant as a part of PES Day 2022 Celebrations.</p>	--	--	72

			https://youtu.be/aAuE_ZQ8-TM			
4.	25 April 2022	Distinguished Lecture Program-DLP	Dr. Bikas Pal Professor of Imperial College ,London UK was invited online Webinar to meet the PES Bombay chapter members and deliver A DLP Talk on “Robust Volt-Var Control in Power Distribution” https://ieeebombay.org/event/a-dlp-talk-on-robust-volt-var-control-in-power-distribution/ https://events.vtools.ieee.org/m/312156	--	--	70
5.	28 April 2022	Distinguished Lecture Program-DLP	Dr. Lina Bertling Tjernberg Professor of KTH The Royal Institute of Technology , Stockholm , Sweden was invited online Webinar to meet the PES Bombay chapter members and deliver A DLP Talk on “Asset Management with Power System Applications” https://events.vtools.ieee.org/m/312298	--	--	54
6.	22 July 2022	SKEP @ Govt. Polytechnic ,Nashik	Skill and Knowledge Enhancement Program (SKEP) Session where PES Bombay Section Chair Person BL Bishnoi SMIEEE was Invited Speaker to deliver talk on “ IoT and Its Applications “ @ Govt. Polytechnic College , Nashik in Physical mode Talk.		--	120
7.	24 September 2022	PES YP Meetup	A Step towards sustainable development -theme says sustainable development sessions on Energy Conservation and solid waste management are arranged this would be followed by panel discussion on Sustainable development and a networking activity. There were Three Invited Speakers in this event.	Power & Energy Society – YP from Global level 500\$ Sanctioned under claim processing	40000/-	17
8.	29 September 2022	Distinguished Lecture Program-DLP	Dr. Kalyan Sen President & CTO of Sen Transformers USA was invited for Physical mode & hybrid mode to meet the PES Bombay chapter members in person and deliver A DLP Talk on “SMART Power Flow Controllers – A Necessity for Future Power Grid” https://ieeebombay.org/event/smart-power-flow-controllers-a-necessity-for-future-power-grid/	--	--	75

9.	12 October 2022	Distinguished Lecture Program-DLP	Dr. Saifur Rahman -IEEE President Elect 2022 & Director Virginia Tech. ARI, USA was invited for Webinar mode to meet the PES Bombay chapter members and deliver A DLP Talk on "Role of Smart Grid in Facilitating the Integration of Renewables" https://events.vtools.ieee.org/m/326392	--	--	60
10.	26 April 2022	PES Day 2022 Talk –IEEE Bombay Section PES Chapter	PES Day 2022 Keynote Speaker Chaitali Naik PES Day 2021 Chair Person from USA for PES Bombay Chapter on topic - Career path for Graduating Electrical & Electronics Engineers with IEEE volunteering in Electric Power Systems domain	--	--	30
11.	29 April 2022	PES Day 2022 Debate Competition – IEEE Bombay Section PES Chapter	Debate Competition organised on 29th April 2022 by PES YP Lead under IEEE Bombay Section PES /IAS on “Sustainability : A Transition from Fossil fuel to Renewable Energy” by Invited Speaker Mr. Sarvesh Pandey	--	--	40
12.	9 April 2022	Technical Talk to IEEE Bombay Section Execom	IEEE Bombay Section -Power & Energy Society / Industry Application Society Chair Person Bhanwar Lal Bishnoi was Invited Speaker @ IEEE Bombay Section ExeCom meeting to talk on topic “Clean Energy Revolution and Micro Grids”	--	--	12

MTTS

Number	Date	Event	Description	Funding Agency (IEEE Bombay Section/R10/IC etc)	Funding Amount (INR)	Attendees
1.	27 July 2022	IEEE MTT-S Bombay Section in association with the MTT-S Chapter of IEEE SIESGST under Distinguished Microwave Lecture by Dr.Kaushik Sengupta	Technologies and Spectrum above 100GHz for 6G and beyond https://drive.google.com/file/d/1El4qnwpZ9ZCs2tulwTy69cTZq5ntjyD_/view?usp=share	--	--	98

			ing			
2.	9th March 2022	Administrative Meeting with Student Volunteers	Administrative Meeting with Student Volunteers conducted to discuss about regarding MTTS upcoming events	---	---	08
3.	11th March 2022	IEEE MTT-S Bombay Section in association with the IEEE MTT-S DBIT under expert Talk by Dr. Jon Martens	What is my measurement equipment actually doing. Implication for 5G/6G, mm-and related applications. https://drive.google.com/file/d/1R4GOuEGDXWENoZbVtfxyLlElI89rTjG/view?usp=sharing	----	-----	110
4.	23rd March 2022	NIT Warangal MTT-S student Branch and IEEE MTT-S Bombay Section organized a technical webinar by Prof.Changzi Li	Portable Radar Systems for Life Activity Sensing Anomaly Detection and Human Tracking https://docs.google.com/document/d/1gRBAh_jI2NQFoklpB2iZrgGFHZROJWnk/edit?usp=sharing&ouid=100713800758218159036&rtpof=true&sd=true	----	-----	58

Activity Conducted by Other Society/Committee

1. IRC

1. Inaugural function on 14 May 2022 by Dr B Satyanarayana Chairman IEEE Bombay Section
2. Keynote address by Dr Roniya Pampou – Greece Education advisor, on Sustainable Technology & Entrepreneurship on 14th May 2022
3. Panel discussion on : “Building and Leveraging your startup in the IEEE Bombay Section”
4. Ms Visa Ray, Mr Saurabh Soni, Mr Soundhar B, Mr Sijo V as panelist, Mr Rahul Bhadur IIT Goa moderated this activity. Date 14th May 2022
5. Talk on “Design thinking for Innovation”. Held on 14th June 2022. By Er Harshwardhan Pandit, Faculty at DoT SUK in online mode organised by ADCET Ashta

2. Photonic Society

1. Conducted IEEE Workshop on Recent Advances in Photonics from March 4-6 , 2022 in Hybrid mode at SAMEER, IIT Bombay Campus, Powai, Mumbai.
2. Attended by 50 participants in person for tutorials on 4th March and more than 600 people online for the workshop 5-6 March on Vfairs online platform
3. Published Proceedings in April-May for the same, more than 118 papers got published

3. GRSS

1. MAPATHON (a map making competition for creating thematic maps), Joint activity in collaboration with IITB, AICTE and , GISE Hub during 15 February to 7 March, 2022.
2. Geospatial Technologies for the SDGs Joint activity in collaboration GRSS Bangalore 29 March 2022.
3. Integrated Approach towards Climate Change Adaptations and Mitigation using Geospatial Tech on 03 June 2022
4. Summer Internship Program in Geo Science and Remote Sensing (ML based Boot Camp) 01 June to 15 July 2022.
5. Skill Development and Remote sensing based precision irrigation pilot project for sugarcane cultivation in Beed district, MH going on since 5 July 2022 onwards.
6. Geospatial Big Data Analysis, Faculty development program 25-30 July 2022.
7. Pre-Conference (ACVIR 2022) Workshop on GeoSpatial Pattern Analysis and Machine Intelligence on 31 July 2022 at Aurangabad.
8. The Industry Distinguished Lecture Program (Vegetation analysis and remote sensing) Dr. Amanda Connor on 27 August 2022
9. Workshop on Earth and Planetary Hyperspectral Data Processing in October 2022 at Milliia Arts, Science and Management Science College, Beed (Maharashtra), India
10. Conference Committee (Technically Sponsored by the IEEE Bombay Section)
 1. 4th International Conference on “Circuits, Systems, Communication, and IT Applications -2023(CSCITA- 2023)
 2. 8th international conference on advances in energy research (ICAER-22)
 3. International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS 2022)
 4. Sardar Patel International Conference on Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative (SPICON 2022)

5. International Conference on Advancement in Technology (ICONAT 2023)
6. ICNTE 2023 (technical co-sponsorship of IEEE Bombay section and IAS)
7. 3rd International Conference on Advanced Computing Technologies and Applications: Artificial Intelligence and Evolutionary Computing (ICACTA 2023)

Part D – Social Activities

(Award Ceremony, Family oriented or Team Building Activities, Social Events)

As a section, we organized various social events/gettogether to develop synergy and team building for our execom members. We conduct different leadership training programs to promote effective volunteering at the section. Our social events/training programs have brought vibrancy to the section, and we have organized more than 120+ successful programs to benefit the stakeholders of the section.

Some of the highlighted Events :

- STEM Phase -1
- Director/Principals Meet (Part of I3 Connect)
- Student Congress
- Induction Program
- Teacher's Congress
- Tensymp 2022
- Awards (PR Bapat, FC Kohli, and section Awards)
- FDPs
- STEM Phase-2
- Antriksh Phase-1
- Can Satellite Competition
- POCO 2022
- Carbon NET-ZERO
- IBSSC 2022

The IEEE Bombay Section received more than USD 8350 (Committees + Chapters) as Awards/Grants to conduct various events.

1. K. Shankar Awards 2021

K. Shankar was the Treasurer of the IEEE Bombay Section during 1988-89. IEEE Bombay Section has decided to revive, rename and rescope the previous initiative 'K. Shankar Paper & Project Contest'. The nominations were sought from the eight categories this year: UG, PG, Professional, and industry members for journals and conference proceedings. We went through the meticulous process of refereeing and arrived at the awards.

2. P R Bapat Outstanding Volunteer Award 2018, 2019 and 2021

P.R.Bapat was well known Industrial engineer, renowned educator, and IEEE Fellow. He was one of the pioneers in making the IEEE Bombay section the most reputed in region R10. In his memory, the IEEE Bombay section started an Outstanding Volunteer award in 2018

3. F C Kohli Lifetime Service Award 2022

F C Kohli was well known Industrial engineer, renowned educator, and IEEE Fellow. He was one of the pioneers in making the IEEE Bombay section and establishing India Council the most reputed in region R10. In his memory, the IEEE Bombay section started a Lifetime Service Award in 2022

4. Various Section Awards 2022

To motivate and encourage volunteers at various level the section has started many new awards at the section level.

5. IEEE Bombay Section Keeps its every third Execom Meeting (After the Lockdown Period) outside Mumbai to get connect with local chapters and encourage social events for team building and bonding.

Part E – Strategic Plan

As a Strategic Plan the Section Chair and Execom Members have taken many new initiatives and organized events are as follows

1. New logo for Bombay Section

Current logo:



Current one is bland.



Section has come up with its new logo.

2. Section Contact (Help line)

The Section chair conceived an idea to designate a phone number and an email id for Section's help line. A volunteer will be designated as the "Section Contact" to handle enquiries and information on both the means. S/he will redirect the enquiries to the concerned Execom members if s/he cannot answer an enquiry (fully).

3. Tiny Tech Talk (T3)

A brief (10-15) talk/presentation will be made by one of the Execom members on rotation. The topics could be any latest technology/engineering/Science development or on the member's own field of work. The initiative was well received and implemented starting from the Execom held on August 14, 2021.

6. 2023 IEEE Smart Light Conference

The Bombay Section wrote a proposal to IEEE for bidding 2023 Smart light Conference. Bombay Section was awarded the Conference. Dates of the Symposium are June 1-3, 2023

7. 'In The Loop' (IEEE Bombay Section Newsletter)

"In The Loop" is an online quarterly newsletter published by IEEE Bombay Section Newsletter Committee. It aims to provide a reliable source of information to its readers and update them with the latest events. The newsletter caters to avid readers of universities and institutes under the IEEE Bombay Section. Our reader profile encompasses scholars, professors, students, researchers, IEEE-Members as well as Non-members.

To share knowledge and spread awareness, publish interview of eminent personality and invite technical articles, event reports, announcements for upcoming events, IEEE volunteer's write-up, and achievement records of IEEE members. Additional Details are:

Word limit (approximately) for various sections of the Newsletter:

1. Interview: To Highlight the contributions of the eminent personalities of IEEE Bombay Section
2. Podium: To present the message of the Chair, IEEE Bombay Section
3. Event Digest: Space for all the technical activities organized by different subsections and student branches
4. IEEE Buzz: Space for all the Upcoming technical activities of the different subsections and student branches
4. Our Marvels: Space for achievements of the members, students and chapters
5. Articles: Space for high quality technical articles
6. Joy of Volunteering: Space for the volunteer to share their volunteering experience.