

19 Feb 2015

IEEE BOMBAY SECTION - REPORT 2014**PART A - SECTION SUMMARY****A.1 Executive Summary****Section Executive Committee 2014 Member List**

No	Name	Position
1	Atindra Banerjee	Section Chair
2	Anthony Lobo	Section Vice Chair
3	Shabbir Merchant	Section Vice Chair
4	Aiyappan Pillai	Section Secretary
5	Prof Surya Doolla	Section Treasurer
6	Ashok D Jagatia	Immediate Past Chair
7	Prof. Narendra Bawane	Member
8	B Satyanarayana	Technical & Professional Activities Chair
9	Anand Gharpure	Member, Webmaster
10	Prof (Ms) Ashwini Kotrashetti	Member
11	Abhay A. Phansikar	Member
12	Prof. (Mrs.) Babita Jain	Member
13	Prof. Venkatesh Kamat	Member
14	Ankit Dasgupta	YP Chair
15	Prof (Ms) Anjali Deshpande	WIE Chair
16	Zia Saquib	Industry Relations Chair
17	Prof. Vinod Jain	Student Activities Chair
18	Prof Vinit Kotak	Membership Development Chair
19	Prof. Sanjay Pawar	Member, Chair, Communications Society Chapter

IEEE MUMBAI SECTION WELFARE ASSOCIATION (Registered)**Don Bosco Institute of Technology, Premier Automobiles Road, Kurla, Mumbai 400 070****Section Highlights** <http://ieeebombay.org/events2014/>**Conferences and MAJOR events**

- IEEE Bombay Section Conference Leadership Program - Aug 2014
Faculty: Key staff from IEEE Bombay Section and M.P. Sub-Section
- Industry Outreach Program – 14 Oct 2014
- CXO Roundtable with President, IEEE – 28 Oct 2014
- Senior Member Connect – 30 Nov 2014

Technically Sponsored Events

- ICESC – International Conference on Electronic Systems, Signal Processing and Computing Technologies, RCOEM, Nagpur, 9-11 Jan 2014
- RACEM – Recent Advances in Communications Engineering & Management, VIT, Wadala, 3-4 Apr 2014
- CSCITA – International Conference on Circuits, Systems, Communication and Information Technology Applications, SFIT, Borivali, 4-5 Apr 2014
- I2CT International Conference for Convergence of Technology, SCPCE, Otur, 6-8 Apr 2014
- INPAC - International Conference on Power Automation and Communication, GCOE, Amravati, 6-8 Oct 2014
- ICAST - International Conference on Advances in Science and Technology, Saraswati CoE, Kharghar, 11-12 Nov 2014
- GCWN – Global Conference on Wireless Computing & Networking – SIT, Lonavla, 22-24 Dec 2014

Bombay Section specific

- New Bombay Section Logo (see header)
- Institution of Section Awards to Outstanding Members, Branch Counsellors, Student Volunteers and Student Branches

Celebration of IEEE Day/Week October 5-12, 2014

IEEE Day Celebrations on 7th October 2014 with a radio quiz competition and talks organized in Mumbai and Nashik

All week the section conducted a campaign to celebrate IEEE Day with events (as below)

FULL DETAILS IN SECTION B.8

Active involvement in Co-hosting Intellect 2015

IEEE Bombay Section is honoured as local hosts to support Intellect 2015, held at the Bombay Exhibition Centre, Goregaon (E), Mumbai from Jan 22-24, 2015. This

Mr Atindra K Banerjee and the a core team of the Section Execom partnered with the core IEEE PES team, IEEMA, India Office and the Conference committee over face to face meetings and weekly conference calls in the six month run up to the event.

Mr Ashok Jagatia, Imm Past Chair, was a speaker on the "Smart Cities – Worldwide" panel, Prof Suryanarayana Doolla, Section Treasurer and Chair of Bombay PES Chapter, was Moderator of the session on "Integration of Renewables & Microgrids" and Mr Anthony Lobo, Vice Chair, was Track Chair of - "Humanitarian Engineering".

A large contingent of IEEE student members signed up as volunteers for the Co-located Training by TAB and MCE and the PES Tutorial.

Other

- Tie-up with L&T Automation Academy for a joint 6-month program for enhancing employability of fresh graduate engineers.
IEEE Bombay Section has tied up with L&TAA for an exclusive IEEE member batch of 20 students who would be given a six-month training in L&T facilities/projects. Students will be trained in corporate practices and given first-hand experience in L&T project sites. The topics cover Industrial control, automation, electrical and electronic systems as well as software implementation.
- Technical/Professional Activities : SKEP (Skill and Knowledge Enhancement Program)
The program was initiated in 2013 and was continued with great fervor in 2014. A total of 9 sessions were organized in academic as well as research institutions. The highlight of the program is the practical orientation of sessions, mostly conducted by Industry experts.

(PLEASE SEE SECTION B.4 FOR FULL DETAILS OF STUDENT ACTIVITIES)

Major Chapter Activities

(L-31 Summary and links to VTools reporting)

	Chapter Name/Section	Technical	Admin/ Social
1	BOMBAY SECTION	29	12
2	Student Activities	13	1
3	Computer Society	5	
4	Communications Society	8	
5	AP/ED Chapter	16	
6	SMC Chapter	0	
7	Signal Processing	0	
8	IA/PE Chapter	12	
9	MTT Chapter	7	
10	Life Members Affinity Group	1	
11	YP - GOLD	0	
12	WIE	1	

(Please see Section B.2 below for details of Chapter activities along with L-31 Summary and links to vtools reporting)

Major Student and Affinity Group Activities

Affinity Group (LM/WIE/YP) Activities 2014

- Research Symposium on Electronics, Electronics & Telecommunications Engineering by WIE 24th September 2014, Vidyalkar Institute of Technology, Mumbai

Awards

- Outstanding Volunteer Awards - 1
- Sponsorship of members and student members to attend conferences – 4

Section Representation at IEEE, R10 and India Council

- Section Vice Chair 2014 TAB representative to IEEE Membership Recruitment & Recovery Committee (MRRC)
- 2 Section officers on India Council Execom (Webmaster & Ombudsman) in addition to Section Chair (ex-officio Member)
- Section Vice Chair one of 3 India Council volunteers on R10 India Membership Task Force

Financial Report 2014

COA #	INCOME	INR
2.5	Conference Revenue	1,932,106
3.1	Rebate from IEEE HQ	3,234,302
3.3	Sections or Councils	110,000
3.34	IEEE HQ & Societies	867,993
3.45	Interest	347,388
3.7	Other	164,584
	EXPENSES	
4.1	Meeting & Social Events	167,796
4.5	Conference Expenses	2,116,783
4.7	Professional Activities	488,043
4.8	Student Activities	224,100
5.15	Section Congress Expenses	162,876
5.2	Travel Expenses	408,034
5.5	Support to Section/Chapters	410,028
5.6	Other Management & General Expenses	524,501

L-50 submitted before due date of 20 February 2015

Section Infrastructure

Further to its registration as a trust, IEEE Bombay Section leased its own office premises at Don Bosco Institute of Technology

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

BOMBAY		2013	2014
	Life Fellow	3	5
	Fellow	6	7
	Life Sr Mem	10	11
	Sr Memb	146	168
	Life Member	5	5
	Member	1,318	1,439
	Assoc M	52	86
	Gr St Mem	890	954
	Hi Grd Total	2,430	2,675
	Student Mem	4,199	4,928
	Grand Total	6,629	7,603

Please see comparative trends below in Section B.8

B.2 Chapter Activities

- Total number of Chapters in the Section - 10
- Number of Chapters formed in the current year - none
- Number of Active Chapters (Chapters who have reported required number of meetings during the year) -
- Summary of Chapter activities chapter wise with attachment table / information

	Chapter Name/Section	Technical	Admin
1	BOMBAY SECTION	29	12
2	Student Activities	13	1
3	Computer Society	5	
4	Communications Society	8	
5	AP/ED Chapter	16	
6	SMC Chapter	0	
7	Signal Processing/IM Chapter	0	
8	IA/PE Chapter	12	
9	MTT Chapter	7	
10	Life Members Affinity Group	1	
11	YP – GOLD	0	
12	WIE	1	
13	Bombay SIGHT Pratham	0	

B.3 Major Section and Chapter Activities (Links to L-31 reports embedded)

No	Event	Date
1	Membership Drive and Orientation - BOMBAY PE31/IA34 CHAPTER	01-Jan-14
2	Conference - ICESC – International Conference on Electronic Systems, Signal Processing and Computing	09-Jan-14
3	Distinguished Lecture - BOMBAY MTT17 CHAPTER	11-Jan-14
4	Energy level alignment at aqueous GaN and ZnO interfaces - BOMBAY AP03/ED15 CHAPTER	17-Jan-14
5	Future of Nano CMOS Technology - BOMBAY AP03/ED15 CHAPTER	20-Jan-14
6	Robotics Workshop - BOMBAY PE31/IA34 CHAPTER	22-Jan-14
7	Execom Meeting - BOMBAY SECTION	27-Jan-14
8	Technical Seminar on 'Innovative trends in Engineering and Technology 2014' - BOMBAY SECTION	29-Jan-14
9	Orientation on 'Awareness & Benefits of IEEE Student Branch' - BOMBAY SECTION	30-Jan-14
10	Orientation on 'Awareness & Benefits of IEEE Student Branch' - BOMBAY SECTION	30-Jan-14
11	Orientation on 'Awareness & Benefits of IEEE Student Branch' - BOMBAY SECTION	31-Jan-14
12	AGM - BOMBAY SECTION	01-Feb-14
13	Techtrix - BOMBAY PE31/IA34 CHAPTER	14-Feb-14
14	SKEP - Introduction to Embedded Systems and Opportunities - BOMBAY SECTION	21-Feb-14
15	1st Meeting of Execom of 2014 - BOMBAY SECTION	22-Feb-14
16	Nanoelectronics and Nanomechanics with Graphene - BOMBAY AP03/ED15 CHAPTER	02-Mar-14
17	Distinguish Lecture Talk "Big Data Problem in Social Media Analytics" - BOMBAY COM19 CHAPTER	15-Mar-14
18	2nd Meeting of Execom of 2014 - BOMBAY SECTION	22-Mar-14
19	Talk on Future trends of Fibre Optics and its impact on human Life - BOMBAY LIFE MEMBER AFFINITY GROU	30-Mar-14
20	Conference - RACEM – Recent Advances in Communications Engineering & Management - BOMBAY SECTION	03-Apr-14
21	Conference - CSCITA – International Conference on Circuits, Systems, Communication and Information	04-Apr-14
22	Computing - Post CMOS Era - BOMBAY SECTION	04-Apr-14
23	Conference - I2CT International Conference for Convergence of Technology - BOMBAY SECTION	05-Apr-14
24	Computing in the Post-CMOS Era - BOMBAY C16 CHAPTER	07-Apr-14
25	Technical Meeting - BOMBAY MTT17 CHAPTER	23-Apr-14
26	3rd Meeting of Execom of 2014 - BOMBAY SECTION	26-Apr-14
27	Material Science and Device Physics of III-V Semiconductors on Arbitrary Substrates - BOMBAY AP03/ED1	13-May-14
28	Atomically Thin 2D Crystals for Novel Device Systems - BOMBAY AP03/ED15 CHAPTER	15-May-14

29	Fabrication of micro/nano structured polymers for fluidic applications - BOMBAY AP03/ED15 CHAPTER	16-May-14
30	Reviving Tesla for an Array of Possibilities - BOMBAY AP03/ED15 CHAPTER	22-May-14
31	Oxides for Spintronics - BOMBAY AP03/ED15 CHAPTER	30-May-14
32	Electrical Transport Properties of Quasi One Dimensional Quantum Wires - BOMBAY AP03/ED15 CHAPTER	06-Jun-14
33	TFET – a nanoscale switch for ultra low-power applications - BOMBAY AP03/ED15 CHAPTER	06-Jun-14
34	SKEP - Software Product Development using Agile Methodology - BOMBAY SECTION	12-Jun-14
35	Educational Tour - BOMBAY PE31/IA34 CHAPTER	23-Jun-14
36	4th Meeting of Execom of 2014 - BOMBAY SECTION	28-Jun-14
37	Electrical Transport Properties of Quasi One-Dimensional Quantum Wires - BOMBAY AP03/ED15 CHAPTER	04-Jul-14
38	5th Meeting of Execom of 2014 - BOMBAY SECTION	25-Jul-14
39	SKEP - RFID and RFID implementations in Industry - BOMBAY SECTION	08-Aug-14
40	SKEP - Recent trends in FPGAs and VLSI - BOMBAY SECTION	09-Aug-14
41	Doing Materials Science with Atomic Layers - BOMBAY AP03/ED15 CHAPTER	12-Aug-14
42	Nano Engineered Devices for Diagnostics - BOMBAY AP03/ED15 CHAPTER	14-Aug-14
43	6th Meeting of Execom of 2014 - BOMBAY SECTION	16-Aug-14
44	Innovation pipeline for 10nm and beyond CMOS Technologies - BOMBAY AP03/ED15 CHAPTER	19-Aug-14
45	Technical Workshop on Robotics - BOMBAY PE31/IA34 CHAPTER	21-Aug-14
46	Distinguished Lecturer Talk - BOMBAY PE31/IA34 CHAPTER	22-Aug-14
47	Research Symposium in Electronics and Electronics & Telecommunication Engineering - BOMBAY SECTION	06-Sep-14
48	Technical Seminar - BOMBAY MTT17 CHAPTER	10-Sep-14
49	Technical Talk - BOMBAY MTT17 CHAPTER	10-Sep-14
50	Meeting - BOMBAY MTT17 CHAPTER	13-Sep-14
51	RF Filter Design Workshop - BOMBAY MTT17 CHAPTER	13-Sep-14
52	SKEP - Image and Video Quality Assessment - BOMBAY SECTION	20-Sep-14
53	Technical Seminar - BOMBAY MTT17 CHAPTER	25-Sep-14
54	7th Meeting of Execom of 2014 - BOMBAY SECTION	26-Sep-14
55	AGM - BOMBAY SECTION	26-Sep-14
56	Programming and applications of Robotics - BOMBAY SECTION	27-Sep-14
57	Annual Technical Festival - BOMBAY PE31/IA34 CHAPTER	02-Oct-14
58	Community radio outreach on the MUST FM radio station of Mumbai University - BOMBAY SECTION	06-Oct-14
59	Community radio outreach on FM radio in Nashik - BOMBAY SECTION	06-Oct-14
60	Conference - INPAC - International Conference on Power Automation and Communication - BOMBAY SECTION	06-Oct-14
61	IEEE Day Lecture - Challenges and Career options for Electronics Engineers in a basic Science Project	07-Oct-14
62	SKEP-Advanced Developments and State of the art Technologies and Research in Signal Processing - BOMBAY SECTION	11-Oct-14
63	SKEP - Technology and its implications - Social and other - BOMBAY SECTION	11-Oct-14
64	Meeting with Ciena - BOMBAY COM19 CHAPTER	13-Oct-14

65	Meeting with IBM - BOMBAY COM19 CHAPTER	13-Oct-14
66	Meeting with Vodafone - BOMBAY COM19 CHAPTER	13-Oct-14
67	Meeting with Ericsson - BOMBAY COM19 CHAPTER	13-Oct-14
68	Meeting with Tata Teleservices - BOMBAY COM19 CHAPTER	14-Oct-14
69	Meeting with MTNL - BOMBAY COM19 CHAPTER	14-Oct-14
70	Industry Outreach - BOMBAY COM19 CHAPTER	14-Oct-14
71	Electrical Transport Properties of Quasi One-Dimensional Quantum Wires - BOMBAY AP03/ED15 CHAPTER	16-Oct-14
72	TIFR visit with IEEE President - BOMBAY SECTION	28-Oct-14
73	CXO Roundtable with IEEE President - BOMBAY SECTION	28-Oct-14
74	IEEE MoU with CDAC - BOMBAY SECTION	28-Oct-14
75	8th Meeting of Execom of 2014 - BOMBAY SECTION	08-Nov-14
76	Conference - ICAST - International Conference on Advances in Science and Technology - BOMBAY SECTION	11-Nov-14
77	Conference Organizing - IEEE - Meeting - BOMBAY PE31/IA34 CHAPTER	21-Nov-14
78	Conference Organizing - IEEE - Meeting - BOMBAY PE31/IA34 CHAPTER	28-Nov-14
79	Senior Member Connect - BOMBAY SECTION	30-Nov-14
80	Workshop on Simulation of Power Electronics - BOMBAY PE31/IA34 CHAPTER	01-Dec-14
81	9th Meeting of Execom of 2014 - BOMBAY SECTION	05-Dec-14
82	Student Volunteer Workshop on Conference Managing - BOMBAY PE31/IA34 CHAPTER	11-Dec-14
83	Oxide Nanoelectronics On Demand - BOMBAY AP03/ED15 CHAPTER	11-Dec-14
84	Technical Talk on Software Engineering for the Research Environment - BOMBAY C16 CHAPTER	15-Dec-14
85	Technical Talk on Sliding Mode Control of Electric Drives - BOMBAY SECTION	15-Dec-14
86	Technical Talk on Social Media and Cyber-Racism - BOMBAY C16 CHAPTER	15-Dec-14
87	Technical Talk on Problem with Big Data - BOMBAY C16 CHAPTER	15-Dec-14
88	Technical Talk on Social Media and Cyber Racism - BOMBAY C16 CHAPTER	16-Dec-14
89	Distinguished Lecturer Talk - BOMBAY PE31/IA34 CHAPTER	16-Dec-14
90	Conference - GCWN – Global Conference on Wireless Computing & Networking - BOMBAY SECTION	22-Dec-14
91	SKEP - Fiber To The Home (FTTH) - BOMBAY SECTION	28-Dec-14

B.4 Student Branch Activities

Total number of Student branches in the Section – 106 Student Branches incl newly formed

Sr. No	Student Branch Name
1	A C Patil College of Engineering, KoperKhairne, Navi Mumbai
2	Acropolis Institute of Technology and Research
3	AISSMS College of Engineering
4	AISSMS Women's College of Engineering

5	Amrutvahini College of Engineering
6	Atharva College of Engineering
7	Bansal Institute of Research & Technology, Bhopal
8	Bharati Vidyapeeth's College of Engineering, Navi Mumbai
9	Bhilai Institute of Technology, Durg, Chattisgarh
10	Birla Institute of Tech and Science Pilani – Goa
11	Central India Institute of Tech – Indore
12	Caymet's Siddhant College of Engineering Chakan, Pune
13	Charati Vidyapeeth's College of Engineering for Women
14	D Y Patil College of Engineering
15	Datta Meghe College of Engineering, Navi Mumbai
16	Don Bosco Institute of Technology
17	SVPKM's DJ Sanghvi College of Engineering, Vile Parle, Mumbai
18	Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai
19	Fr. Conceicao Rodrigues Institute of Technology, Vashi, Navi Mumbai
20	G H Rasoni College of Engineering, Nagpur
21	Gyan Ganga Institute of Technology & Management, Bhopal
22	Gyan Ganga Institute of Technology & Management, Jabalpur
23	Indian Institute of Technology (IIT Bombay), Mumbai
24	DAVV's Institute of Engineering and Technology, Indore
25	International Institute of Information Technology, Pune
26	IPS Academy of Institute of Engineering & Sciences
27	Jabalpur Engineering College, Jabalpur, MP
28	Jawaharlal Education Society's AC Patil College Of Engineering
29	Jawaharlal Nehru Engineering College, Aurangabad
30	Jhulelal Institute of Technology, Nagpur
31	JSPM's Rajarshi Shahu College of Engineering
32	K C College of Engineering, Karjat
33	K J Somaiya College of Engineering
34	K.J.Somaiya Institute of Engineering and Information Technology
35	K K Wagh Institute of Engineering & Research, Nashik
36	Kavikulguru Institute of Technology & Sciences
37	Konkan Gyanpeeth College of Engineering (K.G.C.E), Karjat
38	Lakshmi Narain College of Technology, Bhopal
39	Lokmanya Tilak College of Engineering, Koperkhairane, Navi Mumbai
40	M H Saboo Siddik College of Engineering, Byculla, Mumbai
41	Manoharbai Patel Institute of Engineering & Technology, Gondia
42	Mansarovar Institute of Science & Technology, Bhopal
43	Maulana Azad College of Technology, Bhopal

44	MBES College of Engineering, Ambajogai
45	Medi-Caps Institute of Technology & Management
46	MET College of Engineering Adgaon, Nashik
47	MGM College of Engineering & Technology , Navi Mumbai
48	Mukesh Patel School of Technology Management & Engineering, Parle, Mumbai
49	Narsee Monjee Inst of Management/High Studies, Shirpur, Dhule
50	National Institute of Technology Raipur, Chattisgarh
51	O. P. Jindal Institute of Technology Raigarh, Chattisgarh
52	P V Patil Pratishthan's College of Engineering, Sion, Mumbai
53	Padmashree Dr D Y Patil Institute Of Engineering & Technology
54	Padmashri Dr Vithalrao Vikhe Patil College of Engineering
55	Parshvanath College of Engineering, Thane
56	Pillai's Institute of Information Technology, Engineering Media Studies & Research
57	Privadarshini College of Engrg & Architecture
58	Rajarambapu Institute of Technology
59	Rajiv Gandhi Institute of Technology, Versova, Mumbai
60	Rajiv Gandhi College of Engineering Research & Technology, Chandrapur
61	Ramarao Adik Institute of Technology, New Bombay
62	Rizvi College of Engineering, Bandra, Mumbai
63	Rungta College of Engineering & Technology, Bhilai, Chattisgarh
64	Sagar Institute of Science & Technology
65	Sanghvi Institute of Management & Science, Bhopal
66	Sanjay Education Society College of Engineering, Navalnagar
67	Sanjivani's College of Engineering, Kopargaon
68	Saraswati College of Engineering
69	Sardar Patel College of Engineering, Andheri, Mumbai
70	S. B. Jain Institute of Technology, Nagpur
71	Shah & Anchor Kutchhi Engineering College, Chembur, Mumbai
72	Sharad Chandra Pawar College of Engineering Otur, Pune
73	Shri G S Institute of Technology and Science, Indore
74	Shri Ramdeobaba Kamla Nehru Engrg College
75	Shri Sant Gajanan Maharaj College of Engineering, Shegaon
76	Shri. Shankaracharya Institute of Professional Mgmt & Tech. Raipur, Chattisgarh
77	Shri Shivaji Edn Soc College of Engg & Tech, Amravati Univ, Akola
78	Shri Vaishnav Institute of Technology & Science
79	SIES Graduate School of Technology

80	Singhad College of Engineering
81	Sinhagad Institute of Technology, Lonavala
82	Sipna's College of Eng & Tech – Amravati
83	Smt. Indira Gandhi College of Engg., Koparkhairane , Navi Mumbai
84	SND College of Engineering & Research Center, Babhulgaon, Nashik
85	St. Francis Institute of Technology
86	Sushila Devi Bansal College of Technology
87	Terna College of Engineering, Navi Mumbai
88	Thadomal Shahani Engineering College, Bandra, Mumbai
89	Thakur College of Engineering, Vasai
90	TIT - Technocrats Institute of Technology, Bhopal
91	Truba College of Engineering and Technology
92	Usha Mittal Institute Of Technolgy, SNDT University
93	Veermata Jijabai Technical Institute
94	VES Institute of Technology
95	Vidarbha Youth Welfare Society College of Engineering, Badnera
96	Vidyalankar Institute of Technology
97	Vidyavardhini's College of Engineering and Technology, Vasai
98	Visvesvaraya National Institute of Technology, Nagpur
99	Vishweshwarya Institute of Technology Sinnar
100	Vithalrao Vikhe Patil College of Engineering
101	Vivekanand Education Society's Institute of Technology, Chembur, Mumbai
102	Walchand College of Engineering, Sangli
103	Walchand Institute of Technology, Solapur
104	Watumull Institute of Electronic Engineering & Computer Technology
105	Xavier Institute Of Engineering
106	Yeshwantrao Chawan Coll of Engineering, Nagpur Univ, Wanadongri

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

Student Activities 2014

- Talk on MEMS devices by Dr. Nitin S Kale, Chief Technology Officer, Nanosniff Technologies Pvt. Ltd., IIT Bombay – 11 Dec 14
- Talk on Sliding Mode Control of Electric Drives by Dr. Jan Vittek, Faculty, University of Zilina – 15 Dec 14
- ICESC – International Conference on Electronic Systems, Signal Processing and Computing Technologies, RCOEM, Nagpur, 9-11 Jan 2014
- RACEM – Recent Advances in Communications Engineering & Management, VIT, Wadala, 3-4 Apr 2014
- CSCITA – International Conference on Circuits, Systems, Communication and Information Technology Applications, SFIT, Borivali, 4-5 Apr 2014
- I2CT International Conference for Convergence of Technology, SCPCE, Otur, 6-8 Apr 2014
- INPAC - International Conference on Power Automation and Communication, GCOE, Amravati, 6-8 Oct 2014
- ICAST - International Conference on Advances in Science and Technology, Saraswati CoE, Kharghar, 11-12 Nov 2014
- GCWN – Global Conference on Wireless Computing & Networking – SIT, Lonavla, 22-24 Dec 2014
- IEEE Day Quiz and Debate competitions for Students and Staff. Of Shah & Anchor Kutchi Engineering College, Chembur
- IEEE Day Project Competition for students with Cash Prizes and Certificates by Shah & Anchor Kutchi Engineering College, Chembur.
- IEEE Day Orientation session by Prof Vinit Kotak on "Awareness of IEEE Benefits" at Terna Engineering College on Oct 7.
- IEEE 360 Degrees Fest by UMIT in Feb 14

B.5 Affinity Group Activities

LIFE MEMBER

- Talk on “Future trends of Fibre Optics and its impact on human Life” by Mr. Hitesh Mehta on 30th Mar 14

WIE

- Research Symposium on Electrical, Electronics and Telecommunications Engineering on 6th Sep 2014

B.6 Awards & Recognition Activities

- Award constituted by the section –
 1. Outstanding Student Volunteer Award
 2. Outstanding Student Branch Counsellor Award
 3. Outstanding Student Branch Award
 4. Outstanding Volunteer Award
- Award(s) received from R10
Best Volunteer Award by Ashok Jagatia, Past Chair
- Award(s) received from IEEE HQ
Mr. Atindra Banerjee, Chair, LMA group 2010 – 2013 received an appreciation certificate for notable services and contributions towards the advancement of IEEE and Engineering Professionals to Bombay Section

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

- Newsletter (name and number of issues in the year) –
Information to members on regular basis is through Section specific e-notice and through the website.
- Home Page of the section (give the URL and frequency which it is updated) –
<http://ieeebombay.org>
Weekly updates and event based update as required. Updates can happen more than once in a day also
- Other means of contacts with section members
 - All members email list
 - Full Grade Members email list
 - Student Branch Email List
 - Execom Members Email List
 - Contact details of Office Bearers/Chapter/Affinity Group is published on the website

B.8 Industry Relations

Membership growth and retention

COMPARATIVE TABLE OF SELECT MEMBERSHIP TRENDS IN IEEE / APAC / INDIA / BOMBAY						
Membership Status	YTD recovery*	HiGrd:Tot	Stu M:Tot	Sr M:Tot	Sr M:Mem	
IEEE						
Jan 2014		82.19%	17.81%	8.24%	13.97%	
Dec 2014	97.22%	83.19%	16.81%	8.76%	14.62%	
R10 AsiaPac						
Jan 2014		67.09%	32.91%	5.22%	11.67%	
Dec 2014	97.57%	69.50%	30.50%	5.75%	12.44%	
INDIA COUNCIL						
Jan 2014		39.70%	60.30%	3.03%	12.77%	
Dec 2014	93.11%	42.90%	57.10%	3.44%	13.61%	
BOMBAY						
Jan 2014		35.91%	64.09%	2.27%	11.90%	
Dec 2014	108.55%	35.18%	64.82%	2.35%	12.40%	
source SAMIEEE						

* Recovery from lowest membership nos after terminator process

Comparison with Rest of India

In membership, Bombay Section showed a significant positive growth as compared to the other major Sections in India Council

TOP FIVE SECTIONS IN INDIA				
	CURRENT	LAST YR		
	31.12.2014	1.1.2014		
MADRAS	10,289	12,265	-1976	
BOMBAY	7,603	6,629	974	
BLR	7,036	7,039	-3	
HYD	5,852	5,795	57	
KERALA	5,167	5,566	-399	

Activities for/with industrial members

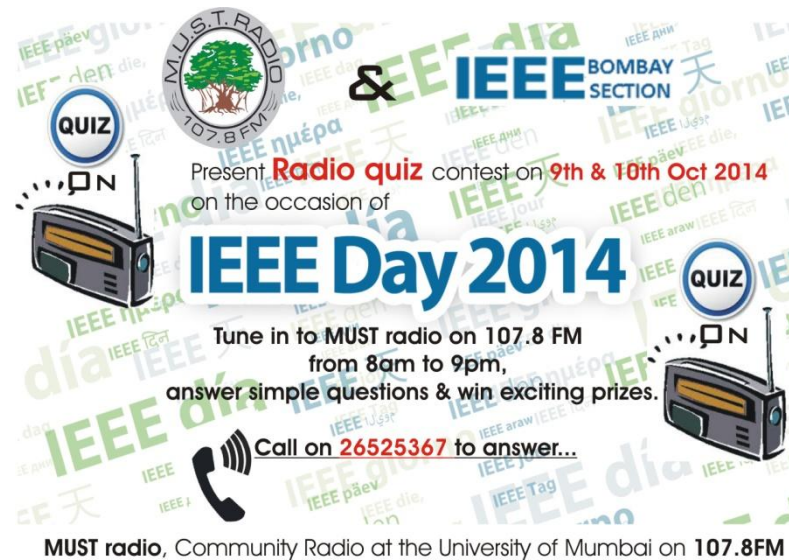
1. Meeting with Industry (6 Companies) – Oct 2014
2. Industry Outreach Program – Oct 2014
3. Industry CXO Roundtable – Oct 2014
4. SKEP – 6 talks for Industry

B.9 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”

SECTION CELEBRATION OF IEEE WEEK OCTOBER 2014

1. Special Message from Mr Atindra K Banerjee, Section Chair to members of Bombay Section on the occasion of IEEE Day on the Section mailer <ieee-bombay-section@listserv.ieee.org>
2. Skill and Knowledge Enhancement Programme (SKEP) Session
Speaker: Mr. Anthony Lobo, Advisor CSR, TCS, Mumbai
Topic: Technology and its implications - Social and other
Date & time: Saturday, **October 11, 2014** 11am-1pm.
Venue: CDAC, Juhu, Mumbai
3. Skill and Knowledge Enhancement Programme (SKEP) Session
Speaker: Dr. Ganesh D. Bhokare, Apical Limited, Mountsorrel, Leicestershire, UK
Topic: Advance Development and Research Topics in Signal Processing
Date & time: Saturday, **October 11, 2014** 11am-1pm.
Venue: Vidyalankar Institute of Technology, Wadala, Mumbai
4. Chief Guest and Technical Lecture on IEEE Day
Speaker: Dr. Satyanarayana Bheesette, TPAC, IEEE Bombay Section
Topic: Challenges and Career options for Electronics Engineers in a basic Science Project
Date & time: Tuesday, **October 7, 2014** 10:30am-12:30pm.
Venue: Shah & Anchor Kutchhi Engineering College, Mumbai
5. Community radio outreach on the MUST FM radio station of Mumbai University campus in Kalina (broadcast on 107.8 mhz FM) which also covers an area much beyond the campus from Andheri to Sion.
An IEEE Quiz was broadcast on 9 & 10 October preceded by messages earlier in the week on 6/7/8 October. Special posters and messaging were prepared.



The poster features the IEEE Bombay Section logo at the top right. In the center, it says 'Present **Radio quiz** contest on **9th & 10th Oct 2014** on the occasion of **IEEE Day 2014**'. Below this, it says 'Tune in to MUST radio on 107.8 FM from 8am to 9pm, answer simple questions & win exciting prizes.' At the bottom, it says 'Call on **26525367** to answer...'. The background is a collage of 'IEEE' text in various colors and sizes. There are also icons of a radio and a telephone handset.

MUST radio, Community Radio at the University of Mumbai on **107.8FM**

6. FM Radio outreach in Nashik (North Maharashtra) during the week
7. Quiz and Debate competitions Students and Staff. Shah & Anchor Kutchhi Engineering College, Chembur
8. Project Competition for students with Cash Prizes and Certificates.
- 9 Orientation session by Prof Vinit Kotak on "Awareness of IEEE Benefits" at Terna Engineering College on Oct 7.

PART C - OTHERS

C.1 Relationship with National Societies

IEEE Bombay Section annually celebrates Engineers Day in May every year jointly with the IETE (Institution of Electronics and Telecommunications Engineers)

C.2 Special Events

IEEE Bombay Section & Communications Society Industry Outreach Program

This was an exclusive gathering of IEEE Bombay Section and the Communications Society Chapter with technocrats in industry and to strike common ground for the promotion of technology and the advancement of society.

We had participation from a wide spectrum of Industries ranging from IT, Telecom, Energy, Infrastructure and Transportation. Participants were given a brief on IEEE and Communications Society, their vision, goals, activities, major events. Expectations of invitees were also solicited. Delegates shared their views about various avenues for mutually beneficial collaboration. Standards and technical engagements were two key areas identified for further action.

CXO Roundtable with President of IEEE

A unique event organized by the section to enhance the high-level connect between IEEE and Industry to forge a plan to harness capabilities to make a greater impact on society. The meeting format enabled a free-wheeling open discussion between the President of IEEE and Head honchos from corporates.

Senior Member Connect

A unique event, which is the first such programme of the section. All Fellows, Life Fellows, Life Seniors, Life Members and Senior Members of the section were invited along with their spouse.

The program began with an introduction to IEEE and Bombay Section followed by a talk on 'Blue LED' titled "Seeking N-lightenment - The bright world of nitride semiconductors"

The event combined technical as well as social value for members to get to know one another professionally as well as to explore avenues which could benefit our professional/student members and society.

C.3 Problems to be Anticipated

[see Section D below – Challenges & Critical Success Factors]

C.4 Best Practices of your section

- 1 Outreach programme to Industry leaders
- 2 SKEP (Skills and Knowledge Enhancement Program) series of workshops/talks
- 3 Leadership statements of Vision/Mission at Annual General Meeting
- 4 Value add to members and professionals through topical Conferences
- 5 Robust Senior Member elevation practices
- 6 Reviving dormant student branches and initiating new branches
- 7 Engaging with Students, Student Branches and Counsellors
- 8 Active website, regular mailers on forthcoming events
- 9 Improved governance by
 - ✧ Publishing calendar of Execom meetings planned for the year
 - ✧ Consolidated tracking of actions from Execom meetings
 - ✧ Appointment of separate Finance and Governance committees

PART D - GOALS AND PLANS

[Presentation made at Bombay Section AGM aptly sums up Goals, Plans & Challenges]

VISION

- Be the most preferred Technical and Professional Association for individuals in Industry, Academia and Government
- Be the Benchmark among IEEE Sections in India

ACTION PLAN

- Build on the momentum of the past years
- Firmly establish the new entity (IEEE Mumbai Section Welfare Association) and comply with all statutory obligations
- Operationalize good governance practices and simplify operations
- Enhance value of membership by conducting member development and empowerment programs
- Contribute positively to the communities we operate
- Thought leadership through original contributions in technical and professional areas of impact

4 PILLARS OF ACTION

Governance & Operations

- Set up Advisory, Finance and Statutory Compliance Committees
- Establish governance and operations processes
- Leverage website to simplify approvals, interactions
- Member Charter
- Establish registered society Infrastructure

Member Development and Empowerment

- To increase number of Volunteers
- Continuous Education and Skill Upgrade
- Technical Engagement, Networking & Exchange Programs
- Replicate programs across the section geography
- Rewards and Recognition
- Develop next-line office bearers, Execom members

Relevance to the Community

- Influence Engineering education
- Enhance Industry connect
- Invigorate SIGHT, Affinity Group and all Society Chapter activities
- Student Employability
- Enhance Faculty Effectiveness
- Drive Industry – Academia collaboration
- Conduct events of Relevance

Thought Leadership

- Leverage the intellectual capital of the section to Influence policies, standards
- Share Best (Next) practices
- Promote and publicize innovation
- Create an innovation manual
- Enhance Website, Social Media connect

Challenges and Critical Success Factors

- Availability of Volunteers
- Effective Virtual Collaboration tools – Tele/Video/Web conferencing facilities
- Greater commitment of time by volunteers and members
- Effective communication between the Section, India Council, R10, IEEE HQ
- Effective communication within the Section
- Members having affiliation with multiple associations leading to contention for scarce volunteering time.
- Effective collaboration between
 - Members
 - Different societies/ society chapters
 - Different Affinity Groups
 - Between all of the above