Advancing Technology for Humanity

Region 10 Section Report

IEEE Delhi Section

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IEEE Delhi Section hosted INDICON 2015 in December 2015 with 122 Technical sessions, 774 papers, 8 tutorials,1 plenary, 8 keynote, 6 Industry panel sessions with close to 1200 attendees.

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PART A - SECTION SUMMARY

A.1 Executive Summary

- Section Executive Committee Member List

S.No.	**POST**	NAME	RESPONSIBLITIES
1	**Chairperson**	Prof. Mini S. Thomas	Intersociety Relations
2	**Exec Vice Chairperson**	Dr. K.Subhramanian	Intersociety Relations
3	**Vice Chairperson**	Prof. Abdul Q. Ansari	Membership Development
4	**Secretary**	Dr. Prerna Gaur	Professional Activities (with Young Professionals) in Delhi
5	**Jt. Secretary**	Mr. Piyush K. Gupta	
6	**Treasurer**(Industry)	Mr. Ravindra Joshi	Finance
7	**Past Chairperson**	Prof. Bhim Singh	Awards and Fellow Nomination
8	Member	Prof. M. N. Hoda	Technical Activities
9	Member (Industry)	Mr. Daman Dev Sood	Public Relations and Publicity
10	Member	Dr. Shabana Urooj	Student activities in NCR
11	Member	Dr. Bharat Singh Rajpurohit	
12	Member	Dr. Sumit Srivastava	Intersociety Relations
13	Member	Prof. Akhilesh Swarup	
14	Member	Dr. Rohit Y. Sharma	Industry Relations and Intersociety Relations
15	Member	Dr. Nitin	Professional Activities (with Young Professionals) in NCR
16	Member	Dr. Jasdeep Kaur Dhanoa	Educational Activities
17	Co-Opted Member (Industry)	Mr. P V Enkande	
18	Co-Opted Member(Industry)	Dr S.R. Narsimhan	Industry Relations
19	Co-Opted Member	Dr Amit K Pandit	Industry Relations
20	Co-Opted Member(Industry)	Dr Ajai K Goel	Industry Relations
21	Student representative	Mr. Vaibhav K Vats	Student activities

S No.	SUBSECTIONS,CHAPTERS and AFINITY GROUPS	NAME OF CHAIRPERSONS
1	Chandigarh Subsection	Prof Renu Vig
2	Rajasthan Subsection	Prof. Om Prakash N. Calla*
3	Circuits and Systems - Control Systems	Dr. Anuj Dhawan
4	Computer	Dr. Murli M. Rao
5	Power Engineering - Industry Applications	Dr. Rachana Garg
6	Communications	Dr. Manav R. Bhatnagar
7	Technology Management	Mr. P. V. Ekande
8	Instrumentation & Measurements - Engineering in Medicine & Biology	Dr. V. R. Singh
9	Power Electronics - Industrial Electronics	Dr. Jonnala Bhaskara Venkata Reddy
10	Electron Devices	Dr. Mridula Gupta
11	Microwave Theory & Techniques	Prof. Shiban K. Koul
12	Computational Intelligence	Dr. Bijaya Ketan Panigrahi
13	Geoscience and Remote Sensing	Prof. Om Prakash N. Calla*
14	Solid-State Circuits	Mr. Rakesh Malik
15	Education	Prof. Vinay K. Chandna
16	Signal Processing	Dr. Angshul Majumdar
17	WIE	Ms. Aparna Neelkanth Mahajan
18	Young Professional	Mr. Kartik Misra
19	Consultants Network	Prof. Subrata Mukhopadhyay (also responsible for Section History)

• Section Highlights

Delhi Section is under large section category and is among the fastest growing in sections in IEEE. Our Strength as on Dec'15 was more than 5000 and today as per latest statistics as captured on Jan 14, 2016 from SAMIEEE database, IEEE Delhi Section has 5388 active Members, consisting of 2 Honorary Members, 6 Life Fellows, 5 Fellows, 21 Life Senior, 205 Senior Members, 5 Life Members, 1205 Members, 73 Associate Members, 24 Affiliates, 621 Graduate Student Members, 3220 Student Members.

We have **2 subsections, 14 society chapters, 3 Affinity groups and 110 student branches and branch chapters. Second Subsection-Rajasthan Subsection was formed in the year 2015.**Our leaders understand that the role of IEEE is to help technologists do their job well. And our growing membership surely indicates success in that mission. Section is committed towards education and professional development and a number of events were organized this year in these areas.

This year was full of activities as many dignitaries including President & CEO of IEEE, Prof. J. Roberto De Marca of Brazil, Prof. Roger U Fuji, IEEE Computer Society President 2016, , Prof. Saifur Rahman, Director of Advanced Research Institute Virginia Tech, USA, Shri. John D. Mc Donald, Director GE, Grid Solution USA and Mohammead Shahidehpour, IIT Chicago,USA., Prof. San Murugesan, Director of BRITE Professional Services, Sydney, Prof. Anil Gupta , Padamashree Awardee and Senior Faculty, IIM Ahmedabad, graced the occasion during INDICON 2015and AICSSYC-2015. Dr. Howard Michel – President and CEO of IEEE and Dr. Jim Prendergast – ED and COO of IEEE visited the Section in August. Prof. Akhtar Kalam of School of Engineering & Sciences, Victoria University, Melbourne gave Technical Lecture on the Issues associated with implementation of Embedded Generation. Many One day workshops like One day Workshop for Graduate student members on LabVIEW & NI Hardware Platform at NSIT, One Day National Workshop On Renewable Energy & Smart Gridat IIT Mandi by PES-IAS and PELS-IES Delhi Chapter, One Day National Workshop on Cyber Security and Forensics by IEEE CS Chapter, One day Workshop on Bio-medical Signal Processing by Education Society and One Day Workshop on Women Entrepreneurship by WIE Affinity

group were organized this year. The Section, under SIGHT, provided 12 Solar Lamps to needy in Nepal after the devastation due to earthquake.

Another initiative of our Chair, Mini S Thomas **E-Execom Meeting were organized to limit the expenses**. TISP -Teacher In Service Program Workshop were organized at Jamia Millia Islamia and Indira Gandhi Delhi Technological University.

- ## Major Events (International, National)

This year record number of activities, 197 in numbers, were organized by the Section, Society Chapters and Affinity groups. These include Technical lectures by several society Chapters, distinguished lectures, the events especially designed for Graduate student Members, Women Engineers, young professionals and Conference **INDICON in 2015**. Around 800 delegates from about ten countries mainly USA, Brazil, Australia, South Africa, Bangladesh and from different part of India attended the conference. IEEE Delhi Section is the only section in India to organize the **IEEE R10 Mobile App Design Contest, an IEEE India Strategic Initiatives Ad-Hoc Committee on Student Retention under** Delhi Section Initiative. IEEE Day celebration was witnessed in many student branches with partial funding by the section. Delhi Section celebrated its 40th year on 13th May'2015 at BVCOE. IEEE R10 Branch Counselors- Chairs- Mentors meet was organized for the first time in DTU in September by IEEE Delhi Section. IEEE Delhi Student-Young Professionals-Women in Engineering Congress 201c5 was organized at NSIT in April and in Jamia Millia Islamia in September 2015.

All India Computer Society Student and young Professional Congress 2015, **AICSSYC-2015 was also organized for the first time by the section at NSIT.**

- ## Major Chapter Activities

Electronic Devices Society, Power Engineering and Industry application society joint chapter with Power Electronics society and Industrial Engineering joint Chapter organized many distinguished lectures, National and International Conferences were technically co sponsored by section, computer society and Education society.

19th Thomas Alva Edison Memorial Lecture was organized at IIT Delhi on the topic of -"HVDC Growth in US and India by Dr. Tapan Manna, IEEE PES Distinguished Lecturer. Daylong Seminar on OCEAN THERMAL ENERGY CONVERSION "Opportunities & Utilization" was organized by TMC and LED Lamps In Slum Houses of Delhi were distributed by HTC team .2nd R K Vir Memorial Lecture with theme on Solar Energy - Opportunities in Rail Sector was organized on 04-Jan-2015 at Engineers Bhawan in the memory of Past Chair, Late Shri R K Vir was organized on 4th January 2015. Many Industrial visits for the Engineering students were organized sponsored by PES-IAS Delhi Chapter.

- ## Major Student and Affinity Group Activities
  - IEEE Delhi Student–Young Pofessionals-WIE Congress 2015
  - IEEE India Student Internship Preparation Program
  - IEEE India Entrepreneurship Development Program
  - IEEE Delhi Section Branch Counsellor's- Chair's- Mentor's Meet 2015
  - IEEE R10 Sac Mobile Application Design Competition
  - IEEE Delhi Section Android Application Development Workshop For First Year Members
  - IEEE Delhi Section Report On Student Retention For Second Year Members

- **Awards**

This section and members being vibrant throughout the year, we observed several awards coming to the section volunteers and Affinity groups and Section Societies.

Prof. Mini S Thomas, Section Chair, has been awarded 2015IEEE Educational Activities Board Meritorious Achievement Award in Continuing Education.

Dr Nitin Saluja from IEEE Delhi Section has won the First Prize in AIYEHUM 2014 Challenge securing a prize money of USD 250 and a certificate for Microwave Engg. role in agriculture: Weed detection & destruction using microwave with Special Sensor Chitkara University, Chandigarh

Ms Aparna Neelkanth Mahajan and Prof. Poonam Bansal from MSIT got the 2015 Outstanding Branch Counselor Awards from IEEE MGA.

Mrs. Aparna Mahajan for her exceptional recruiting efforts in the **IEEE Member-Get-a-Member (MGM) program during 2015** and have earned Delhi Section an additional award of $300. She is in the third place as recruiter in the Asia and Pacific Region.

IEEE PES-IAS Delhi Chapter meets the HPCP criteria and received funding through this program from Power Engineering Society. This chapter has also been selected as the Continued Performance Outstanding Large Chapter 2015 Industry Application Society. Our sincere congratulations to the chapter and its volunteers.

This year, for the first**, all three R-10 Darrel Chong Awards are won by Student branches of Delhi Section. MSIT- won the GOLD, DTU-Silver and NSIT-Bronze**.

Congratulations to **Vaibhav Vats of NSIT and Mansi Tripathi of IGDTUW on being selected as a 2015 IEEE Computer Society Richard E. Merwin Student Ambassadors**!

A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted L50)

IEEE HQ Funds Received Through Bangalore, India Office					
Sl. No.	**Date**	**Amount Recd Rs.**	**From**		
1	15.01.15	189,243	HQ		
2	07.02.15	914,849	HQ		
3	18.03.15	17,182	HQ		
4	08.04.15	233,100	HQ		
5	19.05.15	372,960	HQ		
6	29.06.15	1,384,535	HQ		
7	15.07.15	31,770	HQ		
8	25.08.15	30,329	HQ		
9	13.10.15	164,300	HQ		
10	17.11.15	273,075	HQ		
11	08.12.15	847,148	HQ		
12	30.12.15	1,544,696	HQ		

		6,003,187	**HQ**		
Funds Received Not From IEEE HQ					
	Date	**Amount Rs.**	**Received From**	**Sponsorship Rs.**	
	25.06.15	48563	Bank Interest	0	
	17.09.15	97392	JMI Conference Reg	0	
	30.10.15	100000	JMI Conference India Council Fund	0	
	01.12.15	10000	Excess Advance returned by Rachana	0	
	17.12.15	186000	NSIT Conference Reg Money	0	
	25.12.15	61574	Bank Interest	0	
	31.12.15	84862	Excess reimbursed returned back	0	
		588,391	**Others**	**-**	
		Opening Bank Balance	**2,481,449**		
		Total Inflow to Section Accounts	**6,591,578**		
		Cash In Hand	**2,435**		
		Grand Total Including Opening Bank Balance	**9,075,462**		
Total Funds Paid By IEEE Delhi Section					
Sl. No.	**Month**	**Total Payments in 2015 Rs.**	**Paid But Not Encashed 2015 Total**	**Stale Cheque 2015 Rs.**	**Encashed From Payments Done In Previous Year 2014**
1	Jan-15	51,580			104878
2	Feb-15	637,355			2,500
3	Mar-15	458,385			5,000
4	Apr-15	307,400		19,988	
5	May-15	482,514		4,950	
6	Jun-15	439,600			
7	Jul-15	94,048			
8	Aug-15	55,127			
9	Sep-15	279,855			
10	Oct-15	87,029	131,440.0		
11	Nov-15	288,131	78,623.0		
12	Dec-15	842,643	78,587.0		
		4,123,667	**288,650**		**112,378**

				24,938	
		Opening Balance 2015	2,481,449		
		Inflow	6,591,578		
		Outflow	4,123,667		
		Balance	**4,949,360**		
		Opening Balance for 2016	**4,949,360**		

- Any other financial activities
- **Seed Money given to INDICON-2015 organized by the Delhi Section, will generate income for more activities next year**

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

Total number of active members in the past 3 years

Grades	Dec-11	Dec-12	Dec-13	Dec-14	Dec-15
Affiliate	26	37	24	23	24
Associate members	61	77	61	70	73
Fellow	7	7	7	7	5
GSM	351	470	499	646	621
Honorary Member	3	3	2	2	2
Life Fellow	3	4	5	6	6
Life Member	5	5	6	5	5
Life Senior	15	17	21	21	21
Member	1109	1168	1134	1177	1205
Senior Member	175	169	192	193	205
Student Member	2894	3200	3222	2991	3220
Total	4649	5128	5173	5141	5388

- **Delhi Section Received the Outstanding Section membership Retention performance award from R10**

- Talks were delivered in many Institutions and members were encouraged to retain membership. Section organised many programs which created member satisfaction which led to the retention and new members joining.
- Section conducted Special technical activities for member retention as given in section B3 of the report
- Mrs. Aparna Mahajan for her exceptional recruiting efforts in the IEEE Member-**Get-a-Member (MGM) program during 2015 and have earned the Delhi Section an additional award of $300.** She is in the third place as recruiter in the Asia and Pacific Region. Heartiest congratulations to her for the time and energy she has devoted.

B.2 Chapter Activities

There are 18 Chapters of IEEE represented in 14 chapters of the section
(4 being joint chapters)

1. Circuits and Systems - Control Systems
2. Computer
3. Power & Energy - Industry Applications
4. Communications
5. Technology Management
6. Instrumentation and Measurement - Engineering in Medicine and Biology
7. Power Electronics - Industrial Electronics
8. Electron Devices
9. Microwave Theory and Techniques
10. Computational Intelligence
11. Geoscience and Remote Sensing
12. Solid-State Circuits
13. Education
14. Signal Processing society

Summary of Chapter activities (Chapter wise activities are in attachment in the form of table)

- **Major Chapter Activities(on V-Tools)**

Computer Society Chapter Activities							
Activity Name	**Chapter Code**	**Date and time of activity**	**attendance**	**IEEE members**	**Non Members**	**Type of Activity**	
Technically Supported 5th National Conference on â€œEmerging Technologies in Computer Engineering: NCETCE-2015â€	C16	11/27/2015 8:00	208	8	200	Nontechnical	Pre-University Activities
One Day National Workshop on â€œCyber Security and Forensics by IEEE CS Chapter, Delhi Section	C16	11/26/2015 9:00	158	8	150	Technical	Not Available
Technically Supported the International Conference on Cyber law, Cybercrime & Cyber Security	C16	11/19/2015 9:00	122	2	120	Nontechnical	Nontechnical (Other)
International Conference on Cyberlaw, Cyber crime & Cyber security	C16	11/19/2015 8:45	300	30	270	Technical	Not Available
4th Execom meeting of the CS Chapter	C16	11/7/2015 18:00	4	4	0	Administrative	ExCom

Faculty Development Program	C16	8/26/2015 10:00	39	4	35	Professional	Professional Development
Faculty Development Programme (FDP) entitled â€œEmerging Technologies â€“Catalyst For Professional Education Reforms, Quality Assurance, Teaching Learning Process, Assessment & Delivery"	C16	8/26/2015 9:00	48	8	40	Professional	Professional Development
3rd Execom meeting of the CS Chapter	C16	8/21/2015 18:00	5	5	0	Administrative	ExCom
CS Chapter Execom Meeting	C16	5/13/2015 16:00	4	4	0	Administrative	ExCom
One day Workshop on â€œRecent Trends in Cyber Security, Cyber Frauds, and Cyber Forensics	C16	3/25/2015 14:00	103	3	100	Technical	Not Available
CS Chapter Execom Meeting	C16	3/13/2015 17:00	6	6	0	Administrative	ExCom
Annual General Meeting (AGM) of IEEE CS (Computer Society) Delhi Chapter	C16	2/22/2015 12:30	6	6	0	Administrative	ExCom
Special EXECOM of IEEE CS Chapter Delhi on 17th Feb.2015	C16	2/17/2015 18:30	4	4	0	Administrative	ExCom
Circuits and Systems - Control Systems Joint Chapter Activities							
Meeting to plan SIGs and Short Term Project Initiative	CAS04/CS23	9/8/2015 14:30	3	3	0	Administrative	Officer Training
New Beginnings	CAS04/CS23	9/1/2015 14:30	3	3	0	Administrative	ExCom
Computational Intelligence Society Chapter Activities							
IEEE-CIS Delhi Chapter AGM (Annual General Body Meeting)	CIS11	2/22/2015 12:30	12	6	6	Administrative	ExCom
Communications Society Chapter							
COMSOC DL by President COMSOC	COM19	11/3/2015 16:30	54	5	49	Technical	Not Available
First COMSOC Execom meeting IEEE Delhi Section	COM19	9/8/2015 18:00	5	4	1	Administrative	ExCom
Annual General Meeting (AGM) of IEEE COMSOC Delhi Section	COM19	2/22/2015 13:30	7	7	0	Administrative	ExCom
Education Society Chapter Activities							
2 Days LabVIEW Workshop	E25	4/16/2015 9:30	70	20	50	Technical	Not Available
Grid Tech visit at Pragti Maidan on 9-10 April, 2015	E25	4/9/2015 10:00	200	35	165	Technical	Not Available
One day Workshop on Bio-medical Signal Processing	E25	3/25/2015 10:00	40	40	0	Technical	Not Available
Matlab Workshop	E25	3/18/2015 14:00	145	5	140	Technical	Not Available
Annual General Meeting (AGM) of IEEE ES (Education Society) Delhi Chapter	E25	2/22/2015 12:30	6	6	0	Administrative	ExCom
TISP -Teacher In Service Program Workshop at Jamia Millia Islamia New Delhi	E25	2/21/2015 9:30	46	14	32	Technical	Not Available
Annual General Meeting of the IEEE EDS Delhi Chapter members is scheduled for January 08, 2016 (Friday) at 04:30 pm in Room No. 300, Department of Electronic Science, University of Delhi South Campus, New Delhi.	ED15	1/8/2016 16:30	30	15	15	Administrative	ExCom

Short Course on Quantum Transport in Carbon-Based Devices	ED15	1/8/2016 10:00	98	15	83	Technical	Not Available
IEEE Distinguished Lecture J J Liou	ED15	12/14/2015 10:00	55	10	45	Technical	Not Available
IEEE Distinguished Lecture On Outlook and Challenges of Electrostatic Discharge (ESD) Protection of Modern and Future Integrated Circuits	ED15	12/14/2015 10:00	103	13	90	Technical	Not Available
IEEE EDS Delhi Chapter EXECOM	ED15	12/13/2015 12:00	6	6	0	Administrative	ExCom
One Day Symposium to Celebrate International Year of Light	ED15	10/28/2015 10:00	145	5	140	Technical	Not Available
Seminar on on Advanced Electronic Devices and Circuits for Low and High Frequency Applications	ED15	10/16/2015 10:00	119	11	108	Technical	Not Available
An Interactive session On Career Opportunities in Modern India	ED15	10/6/2015 10:00	34	4	30	Technical	Not Available
Annual Visitorâ€™s programme of Department of Electronics Science, University of Delhi.	ED15	3/27/2015 9:00	111	11	100	Professional	Industry Relations
Lecture on â€œSemiconductor Technology and MMIC development in India"	ED15	3/11/2015 11:00	52	2	50	Technical	Not Available
Second Lecture Workshop on Trans-disciplinary Areas of Research and Teaching by Shanti Swaroop Bhatnagar Awardee	ED15	1/30/2015 9:00	158	8	150	Technical	Not Available
Mini Colloquia on â€œCompact Modelling Techniques for Nanoscale Devices and Circuit Analysisâ€ on January 13, 2015	ED15	1/13/2015 9:00	115	15	100	Technical	Not Available
Instrumentation and Measurement - Engineering in Medicine and Biology Jt Chapter Society							
â€œTalk on Recent Advances in Wireless Sensor Networking for Healthcare Applicationsâ€ by Dr. V.R.Singh	IM09/EMB18	12/29/2015 9:00	70	8	62	Technical	Not Available
Talk on â€œCancer Nanotechnoloy: Diagnosis of Cancer and Therapeutic Treatment of Deep Seated Brain Tumoursâ€, by Dr. V.R.Singh	IM09/EMB18	12/12/2015 14:30	51	9	42	Technical	Not Available
Talk on â€œCurrent Ubiquitous Ultrasound Safety Standardsâ€ by Dr. V.R.Singh	IM09/EMB18	12/8/2015 16:40	101	56	45	Technical	Not Available
EC Meeting	IM09/EMB18	12/1/2015 15:00	4	4	0	Administrative	ExCom
Talk on Advanced U-Sensors for Better Healthcare in Rural Indiaâ€ by Dr. V.R.Singh	IM09/EMB18	10/31/2015 11:30	101	56	45	Technical	Not Available
EC Meeting	IM09/EMB18	10/29/2015 14:00	3	3	0	Administrative	ExCom
IEEE Day Celebration by Dr. V.R.Singh and Others	IM09/EMB18	10/12/2015 9:30	101	56	45	Professional	Professional Development
Interactive Discussion on â€˜Embedded Systemsâ€™ by Dr. V.R.Singh	IM09/EMB18	10/11/2015 11:30	60	8	52	Professional	Professional (Other)
Talk on â€œRecent Developments in Biomedical Ultrasound: Diagnostic and Therapeutical Tools and Tissue Studiesâ€, by Dr. V.R.Singh	IM09/EMB18	10/8/2015 9:30	60	8	52	Technical	Not Available
Interactive Meeting of Dr. V.R.Singh with IEEE SB of PDM College of Engg, Bahadurgarh, about IEEE Day Celebration	IM09/EMB18	10/1/2015 11:00	34	18	16	Professional	Professional (Other)

Interactive Meeting of Dr. V.R.Singh with IEEE SB of PDM College of Eng	IM09/EMB18	9/9/2015 11:00	13	6	7	Professional	Industry Relations
EC Meeting	IM09/EMB18	8/14/2015 14:30	3	3	0	Administrative	ExCom
Talk on â€œFuture Sensors and Transducersâ€, by Dr. V.R.Singh	IM09/EMB18	8/6/2015 10:30	42	5	37	Technical	Not Available
Talk on â€œSmart Energy Systemsâ€, by Dr. V.R.Singh	IM09/EMB18	7/14/2015 10:00	51	5	46	Technical	Not Available
EC Meeting	IM09/EMB18	7/10/2015 14:30	4	4	0	Administrative	ExCom
Talk on â€œAdvanced Sensing Systems for Envoronmental Control	IM09/EMB18	6/15/2015 11:15	35	19	16	Technical	Not Available
Talk on "Green Telecom"	IM09/EMB18	4/30/2015 14:00	27	15	12	Technical	Not Available
EC Meeting	IM09/EMB18	3/7/2015 14:30	3	3	0	Administrative	ExCom
EC Meeting	IM09/EMB18	2/22/2015 13:30	8	8	0	Administrative	ExCom
Talk on "Higher Engineering Education: Why in Foreign Universities"	IM09/EMB18	2/18/2015 10:00	28	15	13	Professional	Professional Development
Talk on "New Biomedical Devices'	IM09/EMB18	1/22/2015 15:00	28	16	12	Technical	Not Available
Microwave Theory and Techniques Society Chapter Activities							
Women in Microwave	MTT17	12/21/2015 9:15	25	8	17	Nontechnical	Nontechnical (Other)
Microwave and Millimeter Wave Power Amplifiers: Technology, Applications, Benchmarks, and Future Trends	MTT17	12/8/2015 11:00	42	14	28	Technical	Not Available
ANSYS HFSS Workshop	MTT17	11/24/2015 10:00	58	14	44	Technical	Not Available
HAM Radio collaboration event with ITS Ghaziabad MTT-S SBC	MTT17	10/26/2015 14:00	42	2	40	Technical	Not Available
Technical Project Program	MTT17	10/9/2015 10:00	15	15	0	Technical	Not Available
Visit to Aries	MTT17	9/30/2015 15:00	30	30	0	Nontechnical	Nontechnical (Other)
IEEE Orientation	MTT17	9/7/2015 12:00	8	8	0	Nontechnical	Nontechnical (Other)
RADIATION OF IMPULSE-LIKE WAVEFORMS WITH ILLUSTRATIVE APPLICATIONS	MTT17	6/30/2015 11:00	37	16	21	Technical	Not Available
Talk on Career Opportunities and Project Demonstration	MTT17	4/23/2015 9:00	51	50	1	Technical	Not Available
A Talk on "Future Wireless Communication Technologies 2020-30"	MTT17	3/16/2015 15:00	41	17	24	Technical	Not Available
Power Engineering and Industry Applications Society Chapter Activities							
Indusrial visit to NTPC Dadri	PE31/IA34	12/29/2015 9:00	64	38	26	Professional	Professional (Other)
Technical Lecture on,"Recent developments in optically-switched wide-bandgap power semiconductor devices and control"	PE31/IA34	12/22/2015 10:00	32	10	22	Technical	Not Available
IEEE Delhi Section Lecture on Fundamental Principles of Self Excited Induction Generators	PE31/IA34	12/9/2015 12:00	19	8	11	Technical	Not Available
One day workshop on 'Power Quality'	PE31/IA34	11/25/2015 9:00	44	27	17	Technical	Not Available

Fourth Execom Meeting of IEEE PES-IAS Delhi chapter	PE31/IA34	11/23/2015 18:00	20	19	1	Administrative	ExCom
Lecture organized on the topic " Recent Trends and Advancements in the field of Smart Grid for Control of Production of Electricity"	PE31/IA34	11/2/2015 11:00	40	17	23	Technical	Not Available
Field Visit to National Load Dispatch Center, Delhi	PE31/IA34	11/2/2015 10:00	43	4	39	Technical	Not Available
Technical Talk WAMS/PMU technologies and the URTDSM project of Power Grid	PE31/IA34	10/28/2015 15:00	34	12	22	Technical	Not Available
IEEE PES-IAS Technical Talk: Review on FACTS Devices	PE31/IA34	10/6/2015 14:00	31	14	17	Technical	Not Available
19th Thomas Alva Edison Memorial Lecture	PE31/IA34	9/28/2015 15:00	38	22	16	Technical	Not Available
Technical Lecture on Electric Vehicles in Smart Grid	PE31/IA34	9/12/2015 17:00	24	8	16	Technical	Not Available
Technical Talk by Prof. Ravindra Arora: Electric Field Classification and Field Dependent Behaviour of Electrical Insulation	PE31/IA34	9/11/2015 16:00	30	5	25	Technical	Not Available
3rd Execom meeting of the IEEE PES-IAS Delhi chapter	PE31/IA34	8/28/2015 19:00	13	11	2	Administrative	ExCom
Various MPPT techniques in PV and problems faced during their implementation	PE31/IA34	8/22/2015 10:00	33	10	23	Technical	Not Available
Technical Talk by Dr. Gurunath Gurrala Performance Assessment of Synchronous Machine on Nonlinear Excitation Controllers	PE31/IA34	8/19/2015 16:00	47	3	44	Technical	Not Available
Technical Talk on Topic Trends in Microgrid Control	PE31/IA34	8/3/2015 15:00	41	18	23	Technical	Not Available
Technical Lecture on,"Grid Integration of Renewable Energy Sources"	PE31/IA34	6/9/2015 9:30	30	13	17	Technical	Not Available
IEEE lecture on Control and Computations for Future Power Networks	PE31/IA34	5/20/2015 17:30	44	27	17	Technical	Not Available
Industrial Visit	PE31/IA34	5/13/2015 7:30	75	25	50	Professional	Professional Development
2nd Execom meeting of IEEE PES-IAS Delhi Chapter	PE31/IA34	5/2/2015 17:30	12	12	0	Administrative	ExCom
Status of Energy Conversion Technologies for Renewable Energy Based Power Generation	PE31/IA34	4/21/2015 17:00	25	4	21	Technical	Not Available
IEEE PES-IAS and PELS-IES Technical Seminar on Design Concepts for a Robust Rural Nanogrid	PE31/IA34	4/20/2015 15:00	60	25	35	Technical	Not Available
Seminar on Smart Power Grid: Implementation and Challenges	PE31/IA34	4/10/2015 12:00	45	5	40	Technical	Not Available
Smart Grid	PE31/IA34	3/24/2015 17:00	28	0	28	Technical	Not Available
1st Execom meeting of IEEE PES-IAS Delhi Chapter	PE31/IA34	3/21/2015 19:00	14	14	0	Administrative	ExCom
Visit to 21st INTERNATIONAL ENGINEERING AND TECHNOLOGY FAIR (IETF)	PE31/IA34	2/27/2015 9:00	47	30	17	Technical	Not Available
Annual General Meeting (AGM) of IEEE PES-IAS Delhi Chapter	PE31/IA34	2/22/2015 12:30	17	17	0	Administrative	ExCom
Expert Talk on "Research, Industrial Collaboration and Sharing Experienceâ€?	PE31/IA34	1/30/2015 9:30	60	50	10	Technical	Not Available
Renewable Energy	PE31/IA34	1/16/2015 11:00	30	4	26	Technical	Not Available
Power Electronics in Modern VLSI Systems	PE31/IA34	1/12/2015 14:00	23	5	18	Technical	Not Available

Power Electronics - Industrial Electronics Joint Chaper Activities							
Fundamental Principles of Self Excited Induction Generators	PEL35/IE13	12/9/2015 17:00	19	8	11	Technical	Not Available
4th EXECOM meetinng of IEEE PELS IES DELHI CHAPTER	PEL35/IE13	11/24/2015 18:30	17	12	5	Administrative	ExCom
DC-DC Converters Topology and Applications	PEL35/IE13	9/16/2015 15:45	22	5	17	Technical	Not Available
3rd Execom Meeting of the IEEE PELS-IES Delhi Chapter at IITD	PEL35/IE13	8/28/2015 18:00	11	9	2	Administrative	ExCom
A Technical Talk on â€˜Emerging trends in Sub-Station Technologiesâ€™ at IITD Delhi	PEL35/IE13	8/28/2015 17:00	7	7	0	Technical	Not Available
A Technical Talk on â€˜Challenges in Generation Planning in India at Electrical Engg. Deptt., IIT Delhi.	PEL35/IE13	8/19/2015 17:30	8	5	3	Technical	Not Available
'Control and Computations for Future Power Networksâ€™	PEL35/IE13	5/20/2015 17:30	44	17	27	Technical	Not Available
2nd Execom Meeting of the IEEE PELS-IES Delhi Chapter at IITD	PEL35/IE13	5/2/2015 18:00	13	10	3	Administrative	ExCom
Application of ' Instantaneous Symmetrical Component Theory for Three-phase Load Compensation and its Comparison with 'pq' and 'dq' Theories of Load Compensation	PEL35/IE13	4/20/2015 15:00	33	7	26	Technical	Not Available
First Execom Meeting of the IEEE PELS-IES Delhi Chapter	PEL35/IE13	3/21/2015 19:30	11	10	1	Administrative	ExCom
A Talk by IEEE PELS-IES and PES - IAS Delhi Chapter at NSIT on 19 March	PEL35/IE13	3/19/2015 15:00	19	14	5	Technical	Not Available
AGM of IEEE PELS-IES Delhi Chapter	PEL35/IE13	2/22/2015 13:30	12	12	0	Administrative	ExCom
Lecture by Prof. Akhtar Kalam of School of Engineering & Sciences, Victoria University, Melbourne, Australia.Pro	PEL35/IE13	1/30/2015 14:00	67	14	53	Professional	Professional (Other)
Seminar under the aegis of IEEE PELS_IES and PES IAS Delhi Chapter Topic-Power Electronics in Modern VLSI Systems	PEL35/IE13	1/12/2015 14:00	40	35	5	Technical	Not Available
Geoscience and Remote Sensing Chapter Activities							
ALL INDIA IEEE GRSS Meet	RAJASTHAN SUBSECTION	12/14/2015 17:00	30	15	15	Technical	Not Available
Invited Lecture_2	RAJASTHAN SUBSECTION	10/31/2015 14:00	31	6	25	Technical	Not Available
Celebration of IEEE Day	RAJASTHAN SUBSECTION	10/6/2015 9:00	68	18	50	Professional	Professional Development
First Execom of IEEE Rajasthan Subsection	RAJASTHAN SUBSECTION	9/19/2015 13:00	18	9	9	Professional	Professional (Other)
Invited Lecture_1	RAJASTHAN SUBSECTION	3/24/2015 16:00	33	8	25	Technical	Not Available
Signal Society Chapter Activities							
IEEE SPS Delhi Chapter 1st AGM	SP01	3/19/2015 17:30	7	7	0	Administrative	ExCom
Technology Management Society Chapter Activities							
'Third Mr. R. K. Vir Memorial Lecture' on "Electric Traction System & New trends" by Mr. D. K. Bansal Former Chief Electrical Engineer (Electrical) Indian Railways	TM14	1/4/2016 18:00	37	5	32	Technical	Not Available

International Conference on Cyberlaw, Cyber crime & Cyber security	TM14	11/19/2015 8:45	300	30	270	Technical	Not Available
Third Executive Committee Meeting of IEEE TEMS Delhi Chapter	TM14	11/7/2015 17:00	5	5	0	Administrative	ExCom
National Conference on â€œTechnology enabling modernization of Rural Indiaâ€ â€“TMRI-2015	TM14	10/30/2015 10:00	100	18	82	Technical	Not Available
Daylong Seminar on â€œOCEAN THERMAL ENERGY CONVERSION â€“Opportunities & Utilizationâ€	TM14	9/29/2015 10:30	76	6	70	Technical	Not Available
Meeting cum Open Discussion of Professional Societies	TM14	8/22/2015 11:30	30	3	27	Administrative	Officer Training
IEEE TM14 Delhi Chapter Exec Com Meeting	TM14	7/31/2015 18:00	5	5	0	Administrative	ExCom
Observing World Environment Day on June 06, 2015 through Lectures	TM14	6/6/2015 18:00	23	4	19	Technical	Not Available
Meeting of EXEC COM of IEEE TEMS Chapter Delhi	TM14	5/15/2015 18:00	3	3	0	Administrative	ExCom
Annual General Meeting (AGM) of IEEE TEMS (Technology and Engineering Management Society) Delhi Chapter	TM14	2/22/2015 12:30	7	7	0	Administrative	ExCom

B.3 Professional and Continuing Education Activities

Technical and Professional Activities Report

- International Conference on Soft Computing Techniques and Implementations 2015 (ICSCTI 2015)
- (http://www.ieee.org/conferences_events/conferences/conferenced etails/index.html?Conf_ID=35875) being organized by Manav Rachna International University (MRIU), Faridabad, Haryana, India from October 15 to 17, 2015 (www.icscta2015.org) 2015 Fourth International Conference on Eco-friendly Computing and Communication Systems (ICECCS)
- (http://www.ieee.org/conferences_events/conferences/conferenced etails/index.html?Conf_ID=36713) being organized at National Institute of Technology, Kurukshetra, Haryana, India from December 07 to 08, 2015 (http://iceccs.in)
- IEEE INDICON 2015 Co-Sponsored by IEEE Delhi Section and IEEE India Council with the support of Jamia Millia Islamia (JMI) (http://www.ieee.org/conferences_events/conferences/conferenced etails/index.html?Conf_ID=35884) being organized at Jamia Millia Islamia, New Delhi, India from December 17 to 20, 2015 (http://www.indicon2015.in/)
- 2nd International Conference on Recent Advances in Engineering and Computational Sciences (RAECS – 2015)(http://www.ieee.org/conferences_events/conferences/conference details/index.html?Conf_ID=37461) being organized at University Institute of Engineering and Technology (UIET), Panjab University, Chandigarh, India from December 21 to 22, 2015 (http://www.raecs.in/) 2015
- Third International Conference on Image Information Processing (ICIIP) (http://www.ieee.org/conferences_events/conferences/conferenced etails/index.html?Conf_ID=36160) being organized at Jaypee University of

Information Technology, Waknaghat (Solan), HP-173234, India from December 21 to 24, 2015 (http://www.juit.ac.in/iciip_2015)

Special Technical Activities conducted by the Section

S. No.	Date	Activity
1.	23/04/15 (15:00-PM 16:00 PM)	Industry Talk: Crystalline silicon solar cell manufacturing, product development by Dr. Koushik Vaidya, at IIT Mandi
2.	29/04/15 (11:00-AM 01:00 PM)	IEEE Delhi Section Seminar EUV- Resists Changing the Integrated Circuits Fab. Landscape for Next Generation Technology Node by Dr. Satinder Sharma, IIT Mandi at NIT Hamirpur
3	23/05/15 (09:00-AM 06:00 PM)	One Day National Workshop On Renewable Energy & Smart Grid at, Career Point University, Hamirpur on 23/05/2015 Schedule of workshop (4 talks): 1. Introduction to Smart Grid & Renewable Energy Mr. Dinesh Kumar, CPUH 2. Concept of Solar Village Mr. M. P. Singh, Eternal University, Baru Sahib 3. Grid Integration of Renewable Energy Sources Dr. B. S. Rajpurohit, IIT Mandi 4. Research Challenges in Biometric based Authentication Systems Dr. Aditya Nigam, IIT Mandi
4	09/05/15 (10:00 AM-05:00 PM)	Technology Day and demonstration of instruments by NI for resaserch and teaching.
5	02/05/15 (11:00-AM 04:00 PM)	Technical Field Visit to National Load Dispatch Center (NLDC) Delhi at Delhi and 500kV 2500 MW HVDC Converter Station at Mohindergarh
6	11/09/15 (5:00- 7:00 PM)	IEEE Delhi Section Seminar on Lightning and Ball Lightning, by Prof. Ravindra Arora, Retd.,IIT Kanpur, India at IIT Mandi Kamand Campus, Mandi-175001, HP, India

Professional Activities (with Young Professionals) By the Section

- Workshop on LABVIEW was organized on 20th Nov'2015 at NSIT for GSMs
- IEEE Young Professionals Introuction and Benefits on 23.02 2015

B.4 Students Activities

Delhi Section Student Congress 2015

Major Student and Affinity Group Activities Delhi Students Activity Committee (SAC)

1. Total number of Student Branches in the Section: 95
2. Number of Student Branches formed in the current year: 1 NPTI- National Power Training Institute

3. Section level student activities: The detailed reports of activities are attached with the mail in zip file.

- IEEE Delhi Student–Young Professionals-WIE Congress 2015
- IEEE India Student Internship Preparation Program
- IEEE India Entrepreneurship Development Program
- IEEE Delhi Section Branch Counsellor's- Chair's- Mentor's Meet 2015
- IEEE R10 Sac Mobile Application Design Competition
- IEEE Delhi Section Android Application Development Workshop For First Year Members
- IEEE Delhi Section Report On Student Retention For Second Year Members

Awards and Recognition to students branches

Darrel Chong Award

S.No.	Category	Student Branch Name	Activity Name
1	Gold	Maharaja Surajmal Institute of Technology	Technical Project Exhibition
2	Silver	Delhi Technological University	STAHE
3	Bronze	Netaji Subhas Institute of Technology	Circuit-Ron

IEEE Outstanding Branch Counselor Award

S.No.	Student Branch Name	Awardee Name
1	Maharaja Surajmal Institute of Technology	Prof. Poonam Bansal
2	Dronacharya College of Engineering Gurgaon	Ms. Aparna Neelkanth Mahajan

IEEE Computer Society Richard E. Merwin Scholarship

S.No.	Student Branch Name	Awardee Name
1	Netaji Subhas Institute of Technology	Vaibhav Vats
2	Indira Gandhi Delhi Technical University for Women	Mansi Tripathi

S.No.	Student Branch Name	Awardee Name	Project Name
1	Northern India Engineering College	Gaurav Sharma	Evolution of mankind through IoT (Internet of Things)

AIYEHUM

Representation in nationals and international congress

Number of members attended R10 SYWC 2015 at Colombo: 11 student members, 2 professional members

Number of students members attended AISYC 2015: 25

3 Number of active Student Branches: 36

List of branches which did annual reporting:

S.No.	Student Branch Name
1	Gautam Buddha University
2	Indira Gandhi Delhi Technical University for Women
3	PDMCE
4	MAIT
5	Jaypee Solan
6	ChitkaraUniversity
7	ITM Gurgaon
8	AIACTR
9	ASET
10	Thapar University
11	IIT Ropar
12	KIET
13	Manipal Jaipur

14	JIMS Vasant Kunj
15	IIIT Delhi
16	Amity Noida
17	MIE Jammu
18	Jaypee Noida
19	GBPEC
20	Netaji Subhas Institute of Technology
21	University Institute of Engineering and Technology
22	Delhi Technological University
23	Bhartiya Vidhyapeeth
24	PEC
25	Jamia Milia Islamia
26	Manav Rachna College of Engineering
27	DCE Gurgaon
28	GD Goenka
29	Galgotias
30	SRM Delhi- NCR Campus
31	Northern India Engineering College
3	Guru Gobind Singh Indraprastha University
33	Guru Tegh Bahadur Institute of Technology
34	Jamia Hamdard University
35	Maharaja Surajmal Institute of Technology
36	BKBIET

B.5 Affinity Group Activities

IEEE Delhi Section has three Affinity Groups

1. Women In Engineering (WIE)
2. YOUNG PROFESSIONAL (YP)
3. Consultants Network (CN)

Women in Engineering Affinity Group

- **IEEE Delhi Section WIE-CS Congress 2015** was organized by IEEE NSIT in collaboration with IEEE Delhi Section on 25-26 April ’15.
- IEEE Delhi Student/WIE/YP Congress 2015 WAS ORGANISED BY IEEE Delhi Section at Jamia Milia Islamia on 5-6 September 2015
- Wie representatives in an international forum :
- Varshini Ailavajhala, WIE Delegate, IEEE R10 Student/YP/WIE Congress, Colombo, Sri Lanka
- Chetna Batra, Phulpreet Kaur, Prabhnoor Walia, Simar Kalsi, Gayatri Mehta from Delhi Section attended the WIE International Leadership Summit, Chennai

Activities of Young Professional Affinity Group

- Career Opportunities After Graduation on 11th Jan 2015.
- Brain Storming Session with IEEE YP Members and How to make best of YP membership on 5th September 2015.
- IEEE Young Professionals Introduction and Benefits on 22nd March.
- Four EXECOM meeting in March, April, July and Aug’2015

Activities of Consultants' Network Affinity Group

Talk on Next Generation Networks	CONSULTANTS NETWORK	9/29/2015 17:00	80	50	30	Technical	
Invited talks on Next Generation Networks and Digital Future and Innovations	CONSULTANTS NETWORK	9/29/2015 15:00	80	5	75	Professional	Professional Development
Talk on Digital Future, Innovation and an Ideal Professional Engineer	CONSULTANTS NETWORK	9/29/2015 15:00	80	50	30	Technical	
Talk on PAS 7000 standard entitled "GRC (Governance, Risk and Compliance) Passport to Doing Business - Business Continuity for the Supply Chain"	CONSULTANTS NETWORK	9/23/2015 16:30	50	3	47	Technical	
Online meeting of Members of IEEE Delhi Section Consultants' Network Affinity Group with the participation of Chairs of Society / Technical Council Chapters as well as other Affinity Groups of IEEE Delhi Section	CONSULTANTS NETWORK	8/29/2015 13:00	4	4	0	Administrative	ExCom
Annual General Meeting (AGM) 2015 of Consultants Network Affinity Group of IEEE Delhi Section	CONSULTANTS NETWORK	2/22/2015 12:30	12	12	0	Administrative	ExCom

B.6 Awards & Recognition Activities

Award constituted by the Section: The section is in the process of instituting awards for outstanding Volunteers and young engineers. The awards winners of the section were felicitated in the annual general meeting with their citations being read out, to encourage others

- **Awards**

Many members in the section have received the international awards in 2015.

- Prof. Mini S Thomas has been awarded **2015 IEEE Educational Activities Board Meritorious Achievement Award in Continuing Education**
- **IEEE AIEHAM 2015 Winner: Dr Nitin Saluja from IEEE Delhi Section has won the First Prize in AIYEHUM Challenge** for Microwave Engg. role in agriculture: Weed detection & destruction using microwave with Special Sensor Chitkara University, Chandigarh
- **R-10 Darrel Chong Award to MSIT-GOLD , DTU-Silver, NSIT-Bronze**
- Congratulations to Vaibhav Vats and Mansi Tripathi on being selected as a **2015 IEEE Computer Society Richard E. Merwin Student Ambassadors!**
- Ms Aparna Neelkanth Mahajan and Prof. Poonam Bansal from MSIT got the 2015 **Outstanding Branch Counselor Award** from HQ.
- Mrs. Aparna Mahajan for her exceptional recruiting efforts in the IEEE Member-**Get-a-Member (MGM) program during 2015 and have earned the Delhi Section an additional award of $300.** She is in the third place as recruiter in the Asia and Pacific Region. Heartiest congratulations to her for the time and energy she has devoted.
- Delhi Section has received funding for TISP Program for two events. Congratulations! EAB team.
- IEEE PES-IAS Delhi Chapter meets the HPCP criteria and received funding through this program..

- WIE submitted proposal "Skill Development program for rural women" has been awarded a funding support of USD 250.
- IEEE PES-IAS Delhi Chapter: The nomination form was excellent and the chapter has been selected as the Continued Performance Outstanding Large Chapter 2015. Our sincere congratulations to the team. The award was presented at the IAS Annual meeting.
- Dr. Prerna Gaur received IEEE PES Outstanding Chapter Engineer Award for 2015 from Delhi Chapter.

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

- Newsletter (name and number of issues in the year)
  IEEE Delhi Section E- Newsletter is published 12 times in a year.

- Home Page of the Section (The URL is given below and it is updated every month and when a new member is co-opted or New officer reporting is done.)
  https://ewh.ieee.org/r10/delhi/

  Other means of contacts with Section members including social media

  a. **IEEE LISTSERVE**
  b. **ieeedelhi@gmail.com**
  c. **ieeedelhisection@googlegroups.com**

  d. **IEEE DELHI Section EXECOM Facebook group**
  https://www.facebook.com/groups/952577084787434/

  e. **IEEE Delhi Student Network**
  https://www.facebook.com/groups/delhissn/

  f. **IEEE DELHI Student YP/WIE Congress**
  https://www.facebook.com/ieeedsc/?fref=ts

  g. **IEEE Delhi Section**
  https://www.facebook.com/groups/ieeedelhisection/

B.8 Industry Relations

- Membership growth and retention

- Activities for/with industrial members

S. No.	Date	Activity
1.	23/04/15 (15:00-PM 16:00 PM)	Industry Talk: Crystalline silicon solar cell manufacturing, product development by Dr. Koushik Vaidya, at IIT Mandi

2.	29/04/15 (11:00-AM 01:00 PM)	IEEE Delhi Section Seminar EUV- Resists Changing the Integrated Circuits Fab. Landscape for Next Generation Technology Node by Dr. Satinder Sharma, IIT Mandi at NIT Hamirpur
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4	09/05/15 (10:00 AM- 05:00 PM)	Technology Day and demonstration of instruments by NI for resaserch and teaching.
5	02/05/15 (11:00-AM 04:00 PM)	Technical Field Visit to National Load Dispatch Center (NLDC) Delhi at Delhi and 500kV 2500 MW HVDC Converter Station at Mohindergarh
6	11/09/15 (5:00- 7:00 PM)	IEEE Delhi Section Seminar on Lightning and Ball Lightning, by Prof. Ravindra Arora, Retd.,IIT Kanpur, India at IIT Mandi Kamand Campus, Mandi-175001, HP, India

B.9 Humanitarian Technology Activities

- IEEE Delhi Section SIGHT &HTC (Human Technology Challenge) organized many events throughout the year for children and the underprivileged, with the

help of young professionals and student members and the report of one event is as follows

- IEEE Delhi Section SIGHT &HTC (Human Technology Challenge) organized an event in Select City Walk, Saket (A Mall) in collaboration with UNIC. This IEEE-Human Technology Challenge and UNIC event was aimed at finding the Technical creative minds among the children of various age groups and the event was based on the theme: "Best Out Of Waste- ForThe Children By The Children". The event started at 11:00 a.m. and finished by 4:30 p.m.
- There was a "Best Out Of Waste" competition for the children of age group 3 yearsto 14 yearsheld in 2 slots (morning and afternoon) which witnessed tremendous participation by children of different age groups showcasing their creativity and talent. We received many innovative ideas that can be used to get the best from the waste. The children were divided in 10 teams, each team having 3 members to display their creativity. The kids were seen discussing among team, drawing with pencil, using glue, using pictures and cutters while showing their creativity by using the waste material provided to them. The enthusiasm of the children to participate in such an event was a rare thing to see.The competitions were brought to a successful end and lively by declaring the winners. The two winning teams from each slot of the Best Out Of Waste competition were selected. The winners were honored with prizes like Solar Lamps, books, and other goodies. One of the best part was that Certificate of Participation was given to eachand every participant which made children even more interested in participating.
- Also, to find an out of the box thought for a new technical revolution in the world where mobile phones have already revolutionized people of every age group, we asked people their ideas on "What next after Mobile phones" and received loads of innovative and unique ideas. One lucky winner was honored with a Big Solar Lamp prize who came up with the best idea for the new technical revolution
- IEEE Delhi Section achieved real humanitarian action by providing 12 Solar Lamps to needy in Nepal after devastation in earth quake.

B.10 Community Activities

- IEEE Social activities: AGM where families are invited and was held on 22nd Feb'2015
- YP had Social Networking Event with YP and Student Members"
- IEEE Day Celebrations- Delhi Section/ UIET Chandigarh
- IEEE Day Celebrations- Delhi Section/ NSIT Dwarka, New Delhi
- IEEE Day Celebrations- Delhi Section/ Dronacharya College
- IEEE Day Celebrations- Delhi Section/ PEC Chandigarh
- Children's Day Celebration in a Technical Way" organised by IEEE Delhi Section SIGHT & HTC in collaboration with UNIC, IEEE PES & IAS, Imagine, Select City Walk, Looks on 14th November 2015.

PART C - OTHERS

C.1 Special Events

- Brief description the importance of special events and the outcomes achieved

- **40th Anniversary kick off** celebrations of IEEE Delhi Section were organized by the section at Bharati Vidyapeeth in association with Computer Society of India, Region-I & Division-I, IETE, Delhi Centre and ISTE, Delhi Section. An invited talk by Dr. Kumar Krishen, Fellow, SDPS and Fellow, IETE NASA Johnson Space Center, 2101 NASA Parkway, Houston (USA) was organized on "Technology Needs for Future Human Space Missions" on 13th May, 2015, the Wednesday, from 5:30 p.m. onwards

- **IEEE INDICON 2015 hosted by Delhi Section.**

The 12th IEEE INDICON 2015 is annual conference conceptualized by IEEE India Council. This year INDICON was organized by the Department of Electrical Engineering, Jamia Millia Islamia in collaboration with IEEE Delhi Section, at Jamia Millia Islamia, New Delhi. President & CEO of IEEE, Prof. J. Roberto De Marca, was the chief guest for this conference. Vice Chancellor, Prof. Talat Ahmad, presided over the inaugural function held on 18th Dec. 2015.

INDICON 2015 has set new benchmarks in record number of 2195 papers submitted and finally 1807 active papers were reviewed. After rigorous review process 945 papers were accepted and 780 papers have been finally registered for presentation at the conference. All the papers presented at the conference will be included in the Proceedings of IEEE INDICON 2015 and uploaded to IEEEXplore digital library.

- **AICSSYC 2015 All India Computer Society Students and young Professional Congress 2015.**

All India IEEE Computer Society Student-Young Professionals Congress was organized on 20-22 December 2015 at Netaji Subhas Institute of Technology, New Delhi. This three day meet witnessed around 200 of the top talents from various engineering students across India gathering at NSIT participated.to learn about new technologies, exchange ideas and collaborate for better results. The congress featured talks on IEEE Computer Society, entrepreneurship, Internships, Seminars by Industry Leaders and scientists. The meet was also attended by IEEE Young Professionals, who are working professionals and provided with a platform to network and work on collaborative ventures.

The congress was graced with the presence of Dr. Roger Fujii (2016 IEEE Computer Society President), Mr. Alok Goel (Partner, SAIF Partners) and Prof. Anil K. Gupta (Founder, Honey Bee Network). The theme for the Congress was 'Digitalize the World: Going Digital, Growing Potential'.

- **Funding secured from the IEEE and external sources including sponsorships**

- Funding received by Delhi Section Student activities committee for R10 Mobile app development, Student retention, Industry Relations, Internships, Branch Counselor's Congress
- R10 Educational activities support,
- R10 WIE support and rebate for member recruitment.
- Received the sponsorships from Industry for INDICON-2015.
- IEEE Computer Society funded the AICSSY -2015 Partially.

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

- Relationship with Computer Society of India, Institution of Engineers (India) IET, and Institution of Railway Engineers
- Four events were organised in 2015 with these societies and IEEE members benefitted from this.
- 40th Anniversary of Delhi Section Kick off was a platform to join hands with computer Society of India, Institution of Engineers and Indian Society of Technical Education (ISTE)
- R K Vir memorial lecture in association with Institution of Engineers and Railways.
- One day workshop on Ocean Thermal Energy
- Nature of relationship and details of any formal agreement signed
- Benefit to IEEE members (Discount were offered to IEEE members in INDICON-2015 and AICSSY-2015 and all the one day workshops organized by the section.
- Benefit to Section- Venue was provided by Institute of Engineers for one day workshop on Ocean Thermal Energy. NSIT provided the venue for AICSSY and Jamia Milia Islamia provided it for INDICON-2015. IIT hosted many DLs and provided accommodation and Venue for the events.

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections- Nepal subsection was provided the help after the earthquake by SIGHT, DELHI SECTION.
- Joint activities with any other Section- We are in the process of making tie ups with some sections for joint activities in 2016

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

- Support extended for organizing technical, educational and professional activities- support to all fourteen society chapters, esp TMC, HTC, etc for technical and educational and professional activities
- Joint activities for membership development
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section- Rajasthan Sub section was formed and financial support to initiate activities was provided.

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

- 40th Anniversary celebrations by all OUs of the section
- Webex meetings for cost effective and convenient conduct of meetings
- Support for Industrial tours for students
- Support to natural calamity affected areas (Nepal)
- Children’s Day Celebration in a Technical Way
- SAC team conducted the mobile app and android development competition, Branch counselor's congress, Internship development etc

C.6 Problems anticipated and suggestions for solutions, if any

- membership development/ elevation
- Industry membership increase (Special teams)

- Student membership retention (SAC team is at it)
- Inactive student branches
- Volunteers for some Society Chapter activation

PART D - GOALS AND PLANS

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

- We had a record number of activities in 2015, close to 200, and would like to increase this to higher numbers next year.
- We introduced special technical events for member retention which proved very effective and will continue
- We have formed a strong team of volunteers to implement our action plans

D.2 Goals and Future Plans

- **Goals for each standing committee of the section for 2016 have been defined after brainstorming and will be implemented**

The wish list include

- **Focus on Member Engagement/More Activities**
- **Bring More international/National Speakers**
- **Form More Society Chapters/Student Branches/Chapters**
- **Indentify potential candidates for International/Regional awards**
- **Introduce Technical and Volunteer Awards at Section/Chapter level**
- **Increase membership/Elevation**
- **Increase Public Visibility of IEEE / Involve in decision making bodies**
- **Adopt a village for Social Project implementation**

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

- Form more society chapters so that the technical home of members are defined
- Identify and encourage volunteers to take up leadership positions/ apply for awards as awards will boost the morale
- Introduce section level awards