



KOLKATA SECTION

Geo code R0 01 37

2014

PART A - SECTION SUMMARY

A.1 Executive Summary

- ✓ CALCON-2014 organised on 7th. & 8th. November, 2014 at Hotel Park Prime, Kolkata and attended by 220 participants.
- ✓ IAS Chapter organized short term training course on Power Electronics jointly with Department of Electrical Engineering, BESU from 23rd to 28th June 2014.
- ✓ PES Chapter bagged High Performance Chapter Award (HPCA)
- ✓ Prof. Sivaji Chakravorti, has been nominated for felicitation for advancing the cause of IEEE in Kolkata. He will be awarded a plaque during the AGM.
- ✓ APMTT chapter organized 'India Antenna Week' – a week long workshop on Advanced Antenna Technology on May 26-30, 2014 at National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh
- ✓ ComSoc chapter organised two DL programmes on 15th of Mar 2014 at the K.P. Basu Memorial Hall of J.U. and on 22nd December 2014 in ETCE Dept. J.U.
- ✓ EDS chapter organised four DL programmes
- ✓ APMTT chapter organised three DL programmes.
- ✓ CIS chapter organized a DL programme at Institute for technical Education and Research (ITER), Bhubaneswar, India. 14th April, 2014
- ✓ The annual social event of IEEE Kolkata Section was held on 19 Jan 2014 at Bharat Scouts & Guides, Ganganagar Training Campus, Madhyamgram, Kolkata, West Bengal. About 30 IEEE members and Guests attended the event.
- ✓ Convolution-2014 – a student programme was organized by the students of Electrical Engineering Department, JU. The Programme was sponsored by PES, ComSoc & DEIS Chapters.

A.2 Financial Report

Opening Balance: **Rs. 42,21,670.76**

Income: Rs. 28,78,338.00

Expenses: Rs. 38,32,243.17

Closing Balance: **Rs. 32,67,765.59**

A.3 List of Section Officer and Executive Committee Members

Debotosh Guha	Chair
Chandan Kumar Sarkar	Chair-Elect
Sujit Kumar Biswas	Vice-Chair
Suparna Kar Chowdhury	Secretary
Sayan Chatterjee	Treasurer
Sivaji Chakravorti	Immediate Past Chair & Chair DEIS Chapter
Rana Dattagupta	Member
Sujay Basu	Member
Mita Nasipuri	Member
Iti Saha Misra	Member & Chair COMSOC Chapter
Sanjay Kar Chowdhury	Member & Chair PE Chapter
Bhaskar Gupta	Member
Gargi Keeni	Member
Sanjay Basu	Member
Ashok K Tripathy	Member
Jamuna Kanta Singh	Member & Chair Educational Activity
Debangshu Dey	Member & Chair Student Activity
Samarjit Sengupta	Member
Rajarshi Gupta	Member
Sankar Lingam	Chair AP-MTT Chapter
Salil K. Sanyal	Chair CAS Chapter
Ujjal Maulik	Chair CIS Chapter
Nandini Mukherjee	Chair Comp. Chapter
Soumya Pandit	Chair EDS Chapter
Animesh Maitra	Chair GRSS Chapter
Mainak Sengupta	Chair IA Chapter
Nikhil Ranjan Das	Chair Photonics Chapter
Nibaran Das	Chair YP AG
Gopa Sen	Chair WIE AG
Dipankar Sanyal	Chair Control Sys. & Inst. & Meas. joint society

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Programs

Total Member: 2384

Effort in Membership Development:

- Recognising efforts of members in rendering services as a dedicated volunteer, recruiting new members as well as retention of existing members by awarding citations & personalized plaques. This Year Kolkata Section has recognised the efforts made by its members by awarding personalized plaque.
- As a token of appreciation, the Section honoured Prof. Sivaji Chakravorti, immediate past chair of the Section by giving him an IEEE Plaque in recognition of the service rendered by him towards the overall development of the Section in last few years.
- The best volunteer award was given to Mr. Sayan Chatterjee.
- PES Chapter has recognised one of its active members, by conferring best volunteer for service towards growth and sustenance of the chapter. The award will given to Ms. Nabamita Roy, Assistant Professor of Electrical Engineering Department, MCKV Institute of Engineering, Liluah, Howrah.
- Membership Drive was organised on May 3, 2014 at Electrical Engineering Department, MCKV Institute of Engineering, Liluah, Howrah, West Bengal, India by PE chapter.
- From 2015, awards will be given to 3 members who will renew membership within 30th November. The awardees will be selected through lucky draw on 1st December and the same will be given during AGM.
- Selection of chapter with highest membership growth will be calculated through number of new members instead of %age.

Evidence of retention of members:

- Each default member is contacted through email / mobile phone and persuaded to renew his / her membership. Attrition rate has come down corresponding to last year.

B.2 Chapter Activities

Total Active Chapters: 12

APMTT

- INDIAN ANTENNA WEEK 2014 on May 26-30, 2014 at National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh

- Arranged Young Scientist Colloquium at Indian Institute of Engg. Science and Tech., Shibpur on Aug 19, 2014. Dr. SN. Joshi, Emeritus Scientist, CEERI (CSIR Lab) , Pilani delivered the keynote speech on R&D Opportunities in the Country vis-à-vis Role of CSIR-CEERI.
- DL programme was arranged on February 21, 2014 at Bengal Engg. & Science University (BESU), Shibpur. The lecture of Prof. Gautham Chattopadhyay was well attended by more than 100 participants.
- Second DL programme was arranged at Kalinga Institute of Industrial Technology, Bhubaneswar on May 19, 2014. Dr. Sudhakar Rao, delivered his distinguished lecture on Advanced Antenna Systems for Satellite Communication Payloads .
- Dr. Rao repeated his Distinguished Lecture at Indian Institute Of Engineering Science and Technology (formerly BESU), Shibpur on December 23, 2014
- Arranged Technical Lectures on 27th March .2014 at Vidyasagar University, Midnapore
- Arranged Technical Lectures on 9th April.2014 at Netaji Subhas Engg College, Garia, Kolkata
- Arranged Technical Lectures on 19th May 2014 at Kalinga Inst. of Industrial Tech., Bhubaneswar
- Arranged Technical Lectures on 20th August 2014 at Institute of Engg. & Mgt., Saltlake
- Technical Co-sponsorship from AP Society and AP-MTT Kolkata Chapter to the conference **CDIIS 2014** organized by Vidyasagar University, Midnapore during March 27 – 28, 2014.
- Technical Co- sponsorship from the Chapter to the conference **IEMCON 2014** organized by Institute of Engineering and Management, Saltlake during August 28 – 29, 2014.
- Technical sponsorship and financial assistance to the conference **C2E2** organized jointly by the AP-MTT Kolkata Chapter and Supreme Knowledge Foundation Group Institutions during Jan 9-10, 2015.
- APMTT chapter arranged lecturer meeting at NSHM Knowledge Campus, (Situating in a small Panchayat) Arrah, Shibtala, Via Muchipara, Durgapur 713 212 . Prof. Rowdra Ghatak, NIT, Durgapur delivered lecturer on "Evolution of Microwave Engineering: Interpretations and Discussions"
- Young Scientist Colloquium was conducted at Indian Institute of Engg. Science and Tech., Shibpur on Aug 19, 2014.
- Arranged Technical Lectures on 18th December 2014 at Institute of Radio Physics and Electronics (IRPE),

CAS

- 3-day Workshop on " Introduction to Android Operating System for Touch Screen Smart Phone" was held during 11-13 June, **2014** at the Department of ETCE, Jadavpur University. The workshop was very

useful to the students who got hands-on training on the use of Android platform for their own applications.

- 1-day Special Lecture Series was held on 29 August, 2014 at the Department of ETCE, Jadavpur University where the experts from TCS Innovation Lab, Kolkata delivered Three Lectures on the state-of-the-art Technologies in the areas of Cloud Computing, Security in Internet of Things (IoT) and Signal Processing & Sensor Fusion. This series of Lectures also helped the students to grasp the idea behind the development in the TCS Innovation Lab
- Arranged Lecture meeting on 30th January 2014 at ETCE Dept J.U.
- Arranged Lecture meeting on 11th June 2014 at ETCE Dept J.U.
- Arranged Lecture meeting on 25th June 2014 at ETCE Dept J.U.
- Arranged Lecture meeting on 27th June 2014 at ETCE Dept J.U.
- Arranged Lecture meeting on 19th August 2014 at ETCE Dept J.U.
- Arranged Lecture meeting on 29th August 2014 at ETCE Dept J.U.
- Arranged Lecture meeting on 4th & 5th September 2014 at VECC Salt Lake.
- Arranged Lecture meeting on 30th October 2014 at ETCE Dept J.U.
- Arranged Lecture meeting on 31st October 2014 at ETCE Dept J.U.

COMPUTER

- Technically sponsored 1st International Conference on Applications and Innovations in Mobile Computing (AIMoC 2014)
- Technically sponsored Fourth International Conference of Emerging Applications of Information Technology (EAIT 2014)
- Arranged Lecture on 19th June 2014 at Auditorium of West Bengal University of Technology
- Arranged Lecture on 21st July 2014 at A. Dey Memorial Seminar Hall, Department of Comp. Sc. & Engg, J U
- Arranged Lecture on 28th November 2014 at School of Mobile Computing and Communications, Jadavpur University Saltlake Campus
- Arranged Lecture on 29th November 2014 at School of Mobile Computing and Communications, Jadavpur University Saltlake Campus

COMSOC

- DL programmes on 15 th of Mar 2014 at the K.P. Basu Memorial Hall of J.U.
- Second DL programme on 22nd December 2014 in ETCE Dept. J.U.
- 3-day Workshop on " Introduction to Android Operating System for Touch Screen Smart Phone" was held during 11-13 June, 2014 at the Department of ETCE, Jadavpur University. The workshop was very useful to the students who got hands-on training on the use of Android platform for their own applications jointly with CAS.
- Arranged Lecture on 13th May 2014 at 2.00 pm at the Dept of ETCE, J.U.
- Arranged Lecture on 9th July 2014 at at the OPNET LAB, ETCE Dept., Jadavpur University
- Arranged Lecture on 29th July 2014 at Room No. T 3-7, ETCE Dept., Jadavpur University
- Arranged Lecture on 29th July 2014 at Room No. T 3-7, ETCE Dept., Jadavpur University

- Convolution-2014: Algomaniac event was sponsored by CoMSoC Chapter

CSS-IMS

- Arranged Technical Lecture Meeting on 24 December, 2014 at MCKV Institute of Engineering, Liluah
- Educational Activity: On 24 December, 2014 at MCKV Institute of Engineering, Liluah
- Sponsored Conference/Workshop on "ADVANCES IN CONTROL SYSTEM ENGINEERING" was organized by Department of Electrical Engineering, Orissa Engineering College, Bhubaneswar, Odisha, India on 20 December, 2014, at Orissa Engineering College

CIS

- Arranged Lecture on 5th February, 2014 at NAB - 1, Kolmogorov Bhavan, Indian Statistical Institute, Kolkata
- Arranged Lecture on 10th March, 2014 at Amitava Dey Lecture Hall (ADM), Department of Computer Science and Engineering, Jadavpur University, Kolkata, India.
- On 21st March, 2014 organized a workshop in the Department of Computer Science and Engineering, University of Kalyani on "Computational Methodologies and Applications".
- On 5th April, 2014 organized the lecture in the Department of Computer Science and Engineering, Murshidabad College of Engineering and Technology, Murshidabad, India
- On 14th April, 2014 organized a Distinguished Lecturer on 'Learning in non-stationary environments' at Institute for technical Education and Research (ITER), Bhubaneswar, India.

DEIS

- Sponsored 'Circuistic' of 'Convolution2014' organized by Students of the Department of Electrical Engineering, Jadavpur University on 15 Feb 2014
- Lecturer on 'Continuous Integral Sliding Mode Control: A Second Order Sliding Mode approach' on Feb 27, 2014 at Seminar Room, Electrical Engineering Department Jadavpur University
- Arranged Lecturer on 14th November 2014 at A. P. C. Roy Hall, Netaji Subhash Engineering College, Garia, Kolkata
- Arranged Lecturer on 31st Mar, 2014 at Senate Hall, NIT Rourkela, Odisha
- A Seminar was arranged on 4th & 5th April, 2014 at Seminar Hall, Murshidabad College of Engineering and Technology Berhampore Murshidabad 742102
- Workshop on 'Advanced Technique in Making Printed Circuit Boards using Photoresists' on 27th Nov, 2014 at Seminar Room, High Tension Laboratory, Jadavpur University

EDS

- Sponsored International Conference on Electronics, Communication and Instrumentation ICECI 2014, organized by Heritage Institute of Technology, Kolkata on 16th-17th January 2014
- 2 day National Workshop on Nano Device and its Applications Silicon Institute of Technology, Bhubaneswar, India 17-18th January 2014
- IEEE Distinguished Lecture Talk Amitava Dey Memorial Hall, Dept. of CSE, Jadavpur University 8th April, 2014
- IEEE Distinguished Lecture Talk University of Calcutta 9th April, 2014
- IEEE Distinguished Lecture Talk Heritage Institute of Technology, Kolkata 23rd April, 2014
- Sponsored International Conference. Microelectronics, Circuits and Systems organized by IETE Kolkata on 11th -13th July 2014
- International Workshop and Mini Colloquium on Advanced Electron Devices and Circuits on 3rd-4th December 2014 at KIIT University, Bhubaneswar
- Arranged lecturer meeting on 6th June 2014 A.K.Choudhuri Auditorium, IRPE, CU
- Arranged lecturer meeting on 13th June 2014 at A.K.Choudhuri Auditorium, IRPE, CU
- Arranged lecturer meeting on 8th July 2014 at A.K.Choudhuri Auditorium, IRPE, CU
- Arranged lecturer meeting on 15th November 2014 at Electronics and Communication Engineering Department, Abacus Institute of Technology, Magra, Hooghly

GRSS

- Sponsored and gave partial financial support to arrange workshop on "REMOTE SENSING OF ENVIRONMENT: NORTH EAST INDIAN PERSPECTIVES" at Department of Electronics and Communication Technology, Gauhati University, Guwahati on 4-5 December 2014
- Participated in All India IEEE GRSS Meet was organised by IEEE GRSS Delhi Chapter on December 10, 2014 at Jodhpur, India.
- Arranged lecturer meeting on 28 March, 2014 at B. R. Nag Auditorium, Institute of Radio Physics and Electronics, 92, A. P. C. Road, Kolkata 700009
- Arranged lecturer meeting on 22 May, 2014 at B. R. Nag Auditorium, Institute of Radio Physics and Electronics, 92, A. P. C. Road, Kolkata 700009
- Arranged lecturer meeting on 18 June, 2014 at B. R. Nag Auditorium, Institute of Radio Physics and Electronics, 92, A. P. C. Road, Kolkata 700009
- Arranged lecturer meeting on 11 November, 2014 at A.N.Daw Meeting Room Institute of Radio Physics and Electronics, 92, A. P. C. Road, Kolkata 700009
- Arranged lecturer meeting on 2 December, 2014 at A.N.Daw Meeting Room Institute of Radio Physics and Electronics, 92, A. P. C. Road, Kolkata 700009

IA

- Arranged lecturer meeting on 6th January 2014 in the Department of Electrical Engineering of Jadavpur University.

- Arranged lecturer meeting on 8th January 2014 at the Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur
- Arranged lecturer meeting on 10th September 2014 at the Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur
- Arranged lecturer meeting on 13th October 2014 at the Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur.
- Arranged lecturer meeting on 14th November 2014 at the Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur.
- Organized short term training course on Power Electronics jointly with Department of Electrical Engineering, BESU from 23rd to 28th June 2014

PES

- Sponsored 'Convolution2014' organized by Students of the Department of Electrical Engineering, Jadavpur University on 15 Feb 2014
- Technical Lecture meeting on 'Indian Power Scenario - Adoption of new Technology' and **Membership Drive** was arranged on May 3, 2014 at Electrical Engineering Department, MCKV Institute of Engineering, Liluah, Howrah, West Bengal, India.
- Technical Lecture meeting on 15th May, 2014 at R.N. Mukherjee Hall of The Institution of Engineers, WBSC, Gokhale Road, Kolkata.
- Technical Lecture meeting on 22nd August, 2014 the Seminar room of Dept. of Electrical Engineering, Jadavpur University Kolkata.
- Technical Lecture meeting on 11th Sep, 2014 at EE Dept, Meghnad Saha Institute of Technology.
- Technical Lecture meeting on, 14th Nov., 2014 at Seminar Room, Electrical Engineering Department, Netaji Subhash Engineering College, Garia, Kolkata – 152

PHOTONICS

- Arranged lecturer meeting 30th January at Institute of Radio Physics and Electronics
- Arranged lecturer meeting 2nd April at Institute of Radio Physics and Electronics
- Arranged lecturer meeting 19th December at Institute of Radio Physics and Electronics

B.3 Professional and Continuing Education Activities

Continuing Educational activities including conferences, technical event, training courses.

Technical Lecture Meetings organized by the Section

IEEE Kolkata Section has organized the following lecture meetings on various topics in the year 2014. The lectures were well attended and organized at

different locations with very high degree of interactions among the members of industry and academia, including students.

a) Technical Lecture

<u>Sl.</u>	<u>Speaker & Affiliation</u>	<u>Topic</u>	<u>Venue & Date</u>	<u>Attnd.</u>	<u>Organizing Unit</u>
1	Prof. N. Vedachalam Vikram Sarabhai Space Centre Karnataka	Challenges in Cryogenic Rocket Propulsion System	Seminar Room of Electrical Engineering Dept. of Jadavpur University, on 26th March 2014.	47	Section
2	Prof. Debatosh Guha	"DRA Technology for future applications"	On 9th August 2014 at KIIT University, Bhubaneswar	40	Section
3	Dr. Barun Kr. De	'Strategy for Sustainable Commercialization of Renewable Energy'	22 nd August 2014, at the Seminar room of the EE Dept of JU	34	Section
4	Dr. Christophe Fumeaux of School of Electrical and Electronic Engineering, University of Adelaide, Australia	"Dielectric Resonator Antennas: from microwaves to optical frequencies".	29th October 2014 at "A N Daw Conference Hall", Institute of Radio Physics, Science College Rajabazar Campus, 92 A P C Road, Kolkata 700009	19	Section
5	Prof. Peter Russer, Institute for Nanoelectronics, Technische University of Munchen, Germany	" Ferdinand Braun- A forgotten hero of Electronic Engineering"	10th November 2014 at "Meghnad Saha Auditorium", Science College Rajabazar Campus, 92 A P C Road, Kolkata 700009.	56	Section
6	Prof. N. C. karmakar Monash University, Australia	University-Industry Research Collaboration: Transforming Inventions into Innovations for Economic Benefits of Australia	18 th December, Science College Rajabazar Campus, 92 A P C Road, Kolkata 700009.	24	Section
7	Prof. Bhaskar Gupta Jadavpur University, Kolkata	A Tribute to Doyens of Commun. from Kolkata:	27 th March .2014 at Vidyasagar University, Midnapore	--	APMTT
8	Dr. S. Sankaralingam, (Chapter Chair)	Use of Minkowski Fractal Geometry for miniaturization of wearable antennas	27 th March .2014 at Vidyasagar University, Midnapore	--	APMTT
9	Dr. Shushanta Parui, BESU, Shibpur	Modern Microwave Filters	9 th April.2014 at Netaji Subhas Engg College, Garia, Kolkata	--	APMTT
10	Dr. Sujoy Biswas, NITMAS, Kolkata	Defected Ground Structures for Advanced Antenna Design	9 th April.2014 at Netaji Subhas Engg College, Garia, Kolkata	--	APMTT
11	Mr Sudipta Maity, Jadavpur University, Kolkata	Microstrip and Dielectric Resonator Antennas: Overview of Analytical Techniques	9 th April.2014 at Netaji Subhas Engg College, Garia, Kolkata	--	APMTT
12	Prof. R. K. Mishra, Berhampur University, Odisha	Transformation Electromagnetics- An Introduction	19 th May 2014 at Kalinga Inst. of Industrial Tech., Bhubaneswar	--	APMTT
13	Dr D.C. Pande Berhampur University, Odisha	Implementing FDTD: An Example in Antenna	19 th May 2014 at Kalinga Inst. of Industrial Tech., Bhubaneswar	--	APMTT
14	Dr. SN. Joshi, Emeritus Scientist, CEERI, Pilani	Overview of High Power Microwave Devices: - A National Context	20 th August 2014 at Institute of Engg. & Mgt., Saltlake	--	APMTT
15	Mr. Sayan Roy Doctoral Candidate, North Dakota University, Fargo, ND 58102, USA	Development of a novel technique for self adopting flexible phased array antennas on nonplanar surfaces.	8 th December 2014 at Institute of Radio Physics and Electronics (IRPE), University of Calcutta	--	APMTT
16	Dr. S. Chatterjee	Sparsity Exploiting k-mer based estimation of Bacterial Community composition	30 January 2014 at ETCE Dept J.U.	--	CAS
17	Mr. D. Biswas	An overview of Android develop- ment environment	11 June 2014 at ETCE Dept J.U.	--	CAS
18	Mr. S. Mondal	VLSI attributes of FPGA implem- entation of PN sequences based on variable order Primitive polynomials	25 June 2014 at ETCE Dept J.U.	--	CAS

Sl.	Speaker & Affiliation	Topic	Venue & Date	Attnd.	Organizing Unit
19	Mr. A. Mukhopadhyay	Layout design for Crosstalk avoidance encoder	27 June 2014 at ETCE Dept J.U.	--	CAS
20	Mr. Q. M. Alfred	Design of Phased Array Antenna Using Programmable Time Delay Units for Radar Signal Processing	19 August 2014 at ETCE Dept J.U.	--	CAS
21	Mr. R. Dasgupta	Signal Processing and Sensor Fusion of Robotics vision, audiotic Thermography and Olfaction	29 August 2014 at ETCE Dept J.U.	--	CAS
22	Mr. S. Guha	Design and implementation of 2.4 GHz ZIGBEE Network	4 September 2014 at VECC Salt Lake	--	CAS
23	Ms. M. Chatterjee	Embedded Ethernet I/O Controller	5 September 2014 at VECC Salt Lake	--	CAS
24	Mr. B. Shaw	Design of Scrambler and De-Scrambler circuits	30 October 2014 at ETCE Dept JU	--	CAS
25	Mr. S. Murmu	Algorithmic aspects of LDPC Encoder	31 October 2014 at ETCE Dept. JU	--	CAS
26	Dr. Arnab Bhattacharyya, Dept.of Comp. Sc. & Engg, IIT, Kanpur.	Mining statistically significant substrings using the chi-square statistic	5 th February, 2014 at NAB - 1, Kolmogorov Bhavan, Indian Statistical Institute, Kolkata	40	CIS
27	Dr. Amitava Chatterjee, E. E. Dept. JU	Collaborative Representation based Biometrics using Palm Dorsa Vein Patterns	10 th march, 2014 at Amitava Dey Lecture Hall Dept. of Comp. Sc. and Engg, JU	40	CIS
28	Dr. Ansuman Banerjee, Advanced Computing and Microelectronics Unit, ISI, Kolkata, India.	"Computational Methodologies and Applications".	21 st March, 2014 in the Department of Comp. Sc. and Engg, University of Kalyani	85	CIS
29	Professor Sanghamitra Bandyopadhyay, Machine Intelligence Unit, ISI, Kolkata, India	Basic Microarray Analysis and its Role in Cancer Study	5 th April , 2014 in the Department of Computer Science and Engineering, Murshidabad College of Engineering and Technology, Murshidabad, India	60	CIS
30	Prof. Cesare Alippi, FIEEE, Information Processing Systems, Dipartimento di Elettronica Informazione, Politecnico di Milano, Milano, Italy	Learning in non-stationary environments	14 th April, 2014 at Institute for technical Education and Research (ITER), Bhubaneswar, India.	--	CIS
31	Dr. Biplab Sikdar	Energy Efficient Transmission Strategies for Sensor Networks with Energy Harvesting	19 th June 2014 at Auditorium of West Bengal University of Technology	--	Computer
32	Prof. Asis Nasipuri, University of North Carolina	Rechargeable Wireless Sensor Networks: Design Issues and Protocol Development	21st July 2014 at A. Dey Memorial Seminar Hall, Department of Comp. Sc. & Engg, J U	--	Computer
33	Shourya Ray, Xerox Research Center, India	Human Sensors and Big Data Analytics	28th November 2014 at School of Mobile Computing and Communications, Jadavpur University Saltlake Campus	--	Computer
34	Dr. Rajeev Shorey, TCS Innovation Lab, Bangalore	Engineering Challenges in Healthcare Technologies and Services	29th November 2014 at School of Mobile Computing and Communications, Jadavpur University Saltlake Campus	--	Computer

Sl.	Speaker & Affiliation	Topic	Venue & Date	Attnd.	Organizing Unit
35	Prof. Pradeep Kumar Ray, Director WHO Collaborating Centre on eHealth, Asia Pacific Ubiquitous Healthcare Research Centre (APuHC), University of New South Wales, Australia;	Towards an Intelligent and ubiquitous Healthcare Infrastructure: Challenges and Trends	15 th of Mar 2014 at the K.P. Basu Memorial Hall of Jadavpur University.	104	Comoc
36	Dr. Subir Das Director & Senior Scientist in Mobile Networking Research Dept at Applied Com. Sciences NJ, USA	Dynamic Spectrum Access: Opportunities and Challenges	09 July 2014 at at the OPNET LAB, ETCE Dept., Jadavpur University	18	ComSoc
37	Dr. Arijit Mukherjee, TCS Innovation Lab, Kolkata	Grid, Cloud, Fog and Beyond,	29 th Aug 2014, at the ETCE Dept., Room. No- T-3-7	50	ComSoc
38	Arijit Ukil, TCS Innovation Lab, Kolkata	Security and Privacy in IoT	29 th Aug 2014, at the ETCE Dept., Room. No- T-3-7	50	ComSoc
39	Prof. Subhas Mukhopadhyay, IEEE Fellow, Professor of Sensing Technology, Massey University, New Zealand	A Tutorial on Smart Sensors, WSN, and Internet of Things	24 December, 2014 MCKV Institute of Engineering, Liluah, Howrah	85	CSS-IMS
40	Prof. Subhas Mukhopadhyay, IEEE Fellow, Professor of Sensing Technology, Massey University, New Zealand	Publishing a Good Scientific Paper in a SCI Journal	24 December, 2014 at MCKV Institute of Engineering, Liluah, Howrah	120	CSS-IMS
41	Prof. Bijnan Bandyopadhyay Systems and Control Engineering IIT Bombay	Continuous Integral Sliding Mode Control: A Second Order Sliding Mode approach	Feb 27, 2014 at Seminar Room, Electrical Engineering Department Jadavpur University	65	DEIS
42	Dr. Debangshu Dey Dept of EE JU	Smart Phone based Instrumentation	Nov 14, 2014 at A. P. C. Roy Hall, Netaji Subhash Engg College, Garia, Kolkata	120	DEIS
43	Prof. Sivaji Chakravorti Dept of EE JU	Condition Monitoring of Oil-Paper Insulation of Transformers	Mar 31, 2014 at Senate Hall, NIT Rourkela, Odisha	29	DEIS
44	Dr. J. N. Bera Department of Applied Physics CU	Smart Grid	April 4, 2014 at Seminar Hall, Murshidabad College of Engg and Tech. Berhampore Murshidabad	93	DEIS
45	Dr. K. Das Sharma University of Calcutta	Control System Engineering			
46	Prof. S. Neogi School of Energy Studies JU	Energy Efficient Building			
47	Prof. S. Chakravorti Dept. of EE, JU	High Voltage Transmission Line and Underground Cable	April 5 2014, Seminar Hall, Murshidabad College of Engineering and Technology Berhampore, Murshidabad	110	DEIS
48	Dr. D. Dey Dept. of EE, JU	Smart phones as new platform for condition/health monitoring			

SI.	Speaker & Affiliation	Topic	Venue & Date	Attnd.	Organizing Unit
49	Prof. S. Munshi Dept. of EE, JU	Capacitive sensor and signal conditioning			
50	Dr. Biswendu Chatterjee, Dept. of EE, JU	Advanced Technique in Making Printed Circuit Boards using Photoresists	Nov 27, 2014 Seminar Room, High Tension Laboratory, Jadavpur University	16	DEIS
51	Prof. Kaushik Roy, Edward G. Tiedemann Jr. Distinguished Prof, Purdue University, School of Electrical and Computer Engineering.	Beyond Charge-Based Computing	8 th April, 2014 at Amitava Dey Memorial Hall, Dept. of CSE, Jadavpur University	100	EDS
52		Approximate Computing for Energy-efficient Error-resilient Multimedia Systems"	9 th April, 2014 University of Calcutta	100	EDS
53		"Nanoelectronics: A bottom-up Approach"	23 rd April, 2014, at Heritage Institute of Technology, Kolkata	150	EDS
54		MOS Transistor for Low Power High Performance CMOS Circuits	22 nd December, 2014, ETCE Department, Jadavpur University	--	EDS
55	Debayan Bairagi	Epitaxial Delta Doped Channel MOS transistor for Variability Reduction	6 th June 2014 A.K.Choudhuri Auditorium, IRPE, CU	--	EDS
56	Mousumi Ghosh	Power Aware Clustering and Placement for FPGAs	6 th June 2014 at A.K.Choudhuri Auditorium, IRPE, CU	--	EDS
57	Indranil Manna	Bio Micro Fluidics	13 th June 2014 at A.K.Choudhuri Auditorium, IRPE, CU	--	EDS
58	A.M.Samanta, National Instrumens	Application of LabView for Virtual Instrumentation	8 th July 2014 at A.K.Choudhuri Auditorium, IRPE, CU	--	EDS
59	Soumya Pandit:	Advanced Semiconductor Device Modeling and Fabrication	15 th November 2014 at Electronics and Communication Engineering Department, Abacus Institute of Technology, Magra, Hooghly	--	EDS
60	J.P.Bandopadhyay				
61	Prof. S. K. Midya	Association of Ionospheric Parameter with major earthquakes	28March, 2014 at B. R. Nag Auditorium, Institute of Radio Physics and Electronics, 92, A. P. C. Road, Kolkata 700009	30	GRSS
62	Prof. G. K. Sen	Climate Uncertainties	22May, 2014 at B. R. Nag Auditorium, Institute of Radio Physics and Electronics, 92, A. P. C. Road, Kolkata 700009	25	GRSS
63	Prof. O. P. N. Calla	Applications of Terahertz for a Common Man	18June,2014 at B. R. Nag Auditorium, Institute of Radio Physics and Electronics, 92, A. P. C. Road, Kolkata 700009	25	GRSS
64	Dr. D. K. Pradhan	Doppler Weather Radar and its applications in the study of severe weather events	11November,2014 at A.N.Daw Meeting Room Institute of Radio Physics and Electronics, 92, A. P. C. Road, Kolkata 700009	20	GRSS
65	Prof. G. Dutta	Impact of cyclone Nilam on tropical lower atmospheric dynamics	2 December, 2014 at A.N.Daw Meeting Room Institute of Radio Physics and Electronics, 92, A. P. C. Road, Kolkata 700009	20	GRSS
66	Dr. Rajesh Ghosh, of American Power Conversion (APC) by Schneider Electric, Bangalore, India	'Resonant DC-DC Power Conversion for UPS Systems'	6 th January 2014 in the Department of Electrical Engineering of Jadavpur University.	30	IA
67	Ms. Xiaomin Lu, University of Windsor, Canada	surge in popularity of different types of electrified vehicles (EV).	8 th January 2014 at the Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur	60	IA

SI.	Speaker & Affiliation	Topic	Venue & Date	Attnd.	Organizing Unit
68	Dr. Soumitra Das of Indian Institute of Science, Bangalore, India.	Parameter estimation of a line start PM Synch. m/c			
69	Mr. Ananda Majumdar, General Manager- Marketing & Product Development – MV Motors, Marathon Electric Motors Ltd., Kolkata	Impact of variable speed drives and energy efficiency on induction motors, mainly from a manufacturer's perspective.	10 th September 2014 at the Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur	27	IA
70	Mr. Subhadeep Sen, Scientific Officer-D, Control Engineer, Nuclear Power Corporation of India Ltd. KGS-3&4, Kaiga, Karnataka, India.	'Basics of nuclear fission energy and its industrial application in nuclear power plant' 'Nuclear power plant operation and its engineered safety features and three stage program of India'	13 th October 2014 at the Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur.	32	IA
71	Mr. Arijit Basuray, Managing Director and CEO, Neo-Teletronix Pvt. Ltd., Kolkata, India.	"Pulsed Power and its application in Electrical Testing".	14 th November 2014 at the Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur.	36	IA
71	Mr. Srimanata Mandal, PhD Scholar, IIT Mandi, India	Image super-resolution	28 th January, 2014 at Dept. of MCA, MCKV Institute of Engineering, Liluah, Howrah.	21	YP Affinity Group,
73	Dr. Sruti Das Choudhury, Research Fellow, Institute of Advanced Study, University of Warwick, Coventry, United Kingdom	Uni scale and Multi-scale GAIT recognition in Realistic Scenario	3 rd April, 2014 at Room No-T-3-11, CSE Department, Jadavpur University	40	YP Affinity Group,
74	Dr. Anshuman Banerjee, ISI Kolkata Dr. Himadri Sekhar Paul, Mr Rourav Paul and Mr. J K M Sadique Uzaman, TCS	Cloud Computing and Cryptography	29 th April, 2014 at Dept. of MCA, Techno India College of Technology, Rajarhat	60	YP Affinity Group,
75	Mr. Dwaipayan Roy, ISI, Kolkata	Handling BigData in a 'Hadoop Way	Room No: T-3-11, Dept. of CSE, Jadavpur University	--	YP Affinity Group,
76	Mr. Abirlal Biswas, Senior Software Engineer, Cyquent Infotech, Bangalore and Mr. Ritesh Sarkhel, Ex. Senior Software Engineer, Samsung Research Institute	Workshop on Android App Development	CMATER LAB, Room No T-3-11 and T-3-12, CSE department, Jadavpur University	--	YP Affinity Group,
77	Dr. Teresa Goncalves, Auxiliar Professor, Departamento de Informática, Universidade de Évora, Portugal	Named Entity Recognition	Room No: T-3-11, Dept. of CSE, Jadavpur University	--	YP Affinity Group,
78	R. Hogg, University of Sheffield, UK	Photonic Crystal Surface Emitting Lasers Based on Epitaxial Regrowth	30 th January 2014 Institute of Radio Physics and Electronics	12	Photonics
79	S Dhara, Asso. Prof., Indra Gandhi Centre for Atomic Research, Kalpakkam	Raman Spectroscopic Imaging of Semiconductor Nanostructure	2 nd April 2014 at Institute of Radio Physics and Electronics	46	Photonics

Sl.	Speaker & Affiliation	Topic	Venue & Date	Attnd.	Organizing Unit
80	B M A Rahman City University London UK	"Rigorous characterisation of Photonic Devices using finite element method"	19 th December at Institute of Radio Physics and Electronics	22	Photonics
81	Mr Sanjay Kar Chowdhury, CESC Ltd	"Indian Power Scenario - Adoption of new Technology"	May 3, 2014 at Electrical Engineering Department, MCKV Institute of Engineering, Liluah, Howrah, West Bengal, India.	54	PE
82	Dr. Amitava Chatterjee, E. E. Dept. JU	'Autonomous Navigation of Mobile Robots using Computer Vision'	May 15, 2014 at R.N. Mukherjee Hall of The Institution of Engineers, WBSC, Gokhale Road, Kolkata.	45	PE
83	Mr. Ashoke Chakraborty of CESC Ltd.,	'Cable Fault Localization'	August 22, 2014 at the Seminar room of Dept. of EE JU Kolkata.	34	PE
84	Mr Sanjay Kar Chowdhury, CESC Ltd	NETWORK PLANNING & PERFORMANCE	11 th .. Sep, 2014 at EE Dept, Meghnad Saha Institute of Technology	--	PE
85	Dr. Biswendu Chatterjee, Dept. of EE, JU	Advanced Method of Design Implementation	14th Nov., 2014 Seminar Room, EE Dept., Netaji Subhash Engineering College, Garia,	102	PE

b) Technical Co-Sponsorship

IEEE Kolkata Section extended technical Co-Sponsorships to the following conferences falling under the jurisdiction of Kolkata Section.

- "International Conference on Electronics, Communication and Instrumentation (ICECI-2014) organized by Dept. of Electronics and Comm. Engg. & Applied Electronics, Heritage Institute of Technology from 16th. to 17th. January, 2014.
- "International Conference on Non Conventional Energy (ICONCE 2014), organized by JIS College, Kalyani from 16th. to 17th. January, 2014
- "Emerging Trend in Engineering and Science" organized by Asansol Engg. College from 30th. to 31st. January, 2014.
- "Control Instrumentation Energy & Communication 2014 (CIEC 2014) organized by Dept of Applied Physics, University of Calcutta from 31st. January to 2nd. February, 2014.
- "Automation, Control, Energy and Systems (ACES 2014) organized by Academy of Technology, Adisaptagram, from 1st. to 2nd. February, 2014
- "National Conference on Research Trends in Computer Science and Application (NCRTCSA 2014)", organized by Dept of Computer Application, Siliguri Institute of Technology, on 8th. February 2014.
- "International Conference on Recent Trends in Computer Science and Engineering" organized by Dept. of Computer Science, Central University Bihar from 8th to 9th February 2014.
- "Conference on Emerging Trends in Computing and Communication (ETCC 2014)" organized by Dept. of Information Technology, B. P. Poddar Institute of management & Technology from 22nd. To 23rd. March 2014.
- "International Symposium on Advanced Computing and Communication 2014" organized by Assam University, Silchar from 13th to 14th November 2014.
- "18th National Power System Conference 2014" organized by dept. of Electronics & Electrical Engg., IIT Guwahati.

- "High Performance Computing and Applications (HPCA) organized by C. V. Raman College of Engg. from 22nd. To 24th. December, 2014 at Bhubaneswar.
- APMTT chapter Technical Co-sponsored **CDIIS 2014** organized by Vidyasagar University, Midnapore during March 27 – 28, 2014.
- APMTT chapter Technical Co-sponsored **IEMCON 2014** organized by Institute of Engineering and Management, Salt Lake during August 28 – 29, 2014.
- APMTT chapter Technical Co-sponsored and gave financial assistance to **C2E2** organized jointly by the AP-MTT Kolkata Chapter and Supreme Knowledge Foundation Group Institutions during Jan 9-10, 2015.
- Computer chapter technically sponsored 1st International Conference on Applications and Innovations in Mobile Computing (AIMoC 2014)
- Computer chapter technically sponsored Fourth International Conference of Emerging Applications of Information Technology (EAIT 2014)
- EDS chapter sponsored ICECI 2014, organized by Heritage Institute of Technology, Kolkata on 16th-17th January 2014
- EDS chapter sponsored International Conference. Microelectronics, Circuits and Systems organized by IETE Kolkata on 11th -13th July 2014
- YP-AG sponsored ICCICN – 2014 on 14th -16th November, 2014 at The Pride Hotel, New Town, Kolkata, Organized by Department of Information Technology, RCC Institute of InformationTechnology, Kolkata, India.
- PES extended Technical Sponsorship to the First Conference on Power, Dielectric and Energy Management (ICPDEN 2015), which will be held at NERIST, Arunachal Pradesh in January 2015.
- PES extended Technical sponsorship to the 1st International Conference on Non-Conventional Energy (ICONCE 2014) organized by JIS College of Engineering, Kalyani. The conference was held on January 16 -17, 2014 at JIS College of Engineering, Kalyani.
- PE Chapter also gave Technical Sponsorship to International conference on 'Control, Instrumentation, Energy & Communication 2014' (CIEC'14) organised by the Department of Applied Physics, Calcutta University. The conference commenced on January 31 to February 2, 2014.
- Another conference to be extended technical Sponsorship by PES was 'Soft Computational Techniques – Application in Engineering Disciplines', organized by Department of Electrical Engineering, College of Engineering & Management, Kolaghat. The workshop was held over a period of 6 days from 13th. to 18th. January, 2014.

C) Educational Activity

- Young Scientist Colloquium was conducted at Indian Institute of Engg. Science and Tech., Shibpur on Aug 19, 2014 by APMTT chapter.
- EDS chapter organized one day Seminar program on Nanoelectronics and Wireless Communication on 14th November 2014 at Kalyani Govt. Engg. College, Kalyani
- EDS chapter organized one day Seminar program on "Advanced Semiconductor Device Modeling and Fabrication" on 15th November 2014 at ECE dept, Abacus Institute of Technology, Hooghly

- YP-AG organized one day workshop on Android App Development 6th September, 2014 CMATER LAB, Room No T-3-11 and T-3-12, CSE department, Jadavpur University

d) Outreach Activities

- IEEE Kolkata Section Chair Prof. D. Guha met IEEE members at Shillong over Dinner on 21st June 2014
- A Meeting was held in Guwahati University & IEEE Kolkata Section Chair Prof. D. Guha inaugurated a SB at Guwahati University on 23rd June 2014
- A IEEE Workshop was arranged by SB of KIIT University, Bhubaneswar on 9th August 2014. Technical lecture on "DRA Technology for future applications" was delivered by Prof. Debatosh Guha
- APMTT chapter arranged lecture meeting at NSHM Knowledge Campus, Durgapur . Prof. Rowdra Ghatak, NIT, Durgapur delivered lecturer on "Evolution of Microwave Engineering: Interpretations and Discussions"
- CIS chapter organized a DL programme at Institute for technical Education and Research (ITER), Bhubaneswar, India. 14th April, 2014 Prof. Cesare Alippi, FIEEE, Information Processing Systems, Dipartimento di Elettronica e Informazione, Politecnico di Milano, Milano, Italy delivered lecturer on Learning in non-stationary environments
- EDS arranged International Workshop and Mini Colloquium on Advanced Electron Devices and Circuits on 3rd-4th December 2014 KIIT University, Bhubaneswar The workshop and MQ consists of 4 DL talks and 3 invited talks. The DLs are Dr. Samar Saha, Dr. Ravi M. Todi, Dr. C.K.Sarkar and Dr. G.N.Dash. The other speakers are Dr. S.Pandit,. Dr. N. Mohankumar and Dr. S.K. Mondal
- GRSS Chapter Sponsored and extended partial financial support to organise workshop on "REMOTE SENSING OF ENVIRONMENT: NORTH EAST INDIAN PERSPECTIVES" at Department of Electronics and Communication Technology, Gauhati University, Guwahati on 4-5 December 2014

e) Celebration of IEEE Day

This year IEEE Kolkata Section celebrated IEEE Day on 10th. October, 2014, at Hotel Park Prime, Kolkata. The objective is to popularize IEEE and to create awareness. Prof. D. K. Basu, of Jadavpur University, one of the founder member of IEEE Kolkata Section, shared his experience with IEEE ExeCom members over Dinner. All enjoyed the celebration and requested for similar activities in future also.

f) Workshop on "How to write an IEEE Paper?"

Workshop on "How to write an IEEE Paper?", was arranged in collaboration with IEEE India Council, on 8th August 2014, at the "Triguna Sen Memorial Auditorium" .

Prof. Saifur Rahaman of Advanced Research Institute Virginia Tech delivered the lecture on "How to write an IEEE Paper?". Rachel Berrington delivered lecture on IEEE Xplore.

g) NATIONAL CONFERENCE: CALCON-2014

CALCON 2014 was organized on 7th & 8th November 2014 at Hotel Park Prime. There were 220 participants from all around India. 55 technical papers were presented by the participants and there were several technical lectures and tutorial sessions. There was student paper contest and a meet of the student representatives of the different student branches.

B.4 Students Activities

Number of Active Student Branches: 38

Number of Student Branches Formed in the Year: 10

Total Active Student Member: 550

Total Active Graduate Student Member: 420

- **Active Student Branches activity**

IIT Guwahati

- IEEE Student Branch IIT Guwahati organized its 4th National Level Workshop on the topic of **Micro-Electro-Mechanical Systems (MEMS) and Very-Large-Scale Integration (VLSI) Digital Design Flow** on 8th and 9th of February 2014 at Conference Center, IIT Guwahati.
- IEEE Student Branch in association with Women in Engineering wing of IIT Guwahati organized a 2-day workshop "praGYaanaM", for girls on the 5th and 6th of April, 2014. The workshop was free-of-cost for all the 49 participants from Northern Guwahati. Being the first of its kind from an IEEE Student Branch, the workshop aimed at motivating girls towards basic and higher education. The entire event was held solely on donations from IIT Guwahati Community.
- The IEEE Student Branch IIT Guwahati conducted a 2-day workshop on Advanced MATLAB skills on the 30th and 31st of August 2014 at Conference Center, IIT Guwahati

Tezpur University

- On 8th April 2014, Tezpur University Student Branch arranged a lecture by Dr. Paul El Khouryis, a research scientist at SAP Research Lab; Germany. SAP (Systems, Applications & Products in Data Processing) is one of the world's largest software companies. About 60 participants attended this talk. Dr. Paul addressed the audience and introduced concepts of security engineering and developments in the same at SAP Labs. Dr. Paul also enlightened the paths to pursue career in Security Engineering. The lecture was followed by an interactive session with audience.
- **Membership Drive:** About 65 participants attended the Orientation session on 8th March 2014.. Prof. Sahu, Branch Mentor of IEEE Student Branch of Tezpur University was present in the Orientation session and

addressed the audience indicating the rich heritage of IEEE and its impact on the professional engineers.

Kalyani Government Engineering College

- On November 14, 2014, IEEE Student Branch of Kalyani Government Engineering College was inaugurated. Prof. Debatosh Guha, Chair IEEE Kolkata section and Dr. Soumya Pandit, Chair EDS Calcutta Chapter were present. The inaugural meeting was followed by a one-day seminar on "Nano Electronics and Wireless Communication". A total of 100 participants attended this event and heard lectures by Prof. Debatosh Guha, Dr. Amitava Mukherjee, Sr. Manager, IBM India Pvt. Ltd., and Mr. Atanu Kundu, Vice-Chair EDS Calcutta chapter .

• Recruitment of student members

Students from all branches have been recruited as Student Member all over the year. Present strength of Student Member stands at 550 and Graduate Student member 420.

• Formation of New Student Branch

10 student branches were formed this year.

B.5 Affinity Group Activities

Total Affinity Groups: 02

YOUNG PROFESSIONAL- AG

- Sponsored International Conference on Computational Intelligence and Communication Networks (ICCICN – 2014) on 14th -16th November, 2014 at The Pride Hotel, New Town, Kolkata, Organized by Department of Information Technology, RCC Institute of InformationTechnology, Kolkata, India
- Organized one day workshop on Android App Development 6th September, 2014 CMATER LAB, Room No T-3-11 and T-3-12, CSE department, Jadavpur University by Mr. Abirlal Biswas, Senior Software Engineer, Cyquent Infotech, Bangalore and Mr. Ritesh Sarkhel, Ex. Senior Software Engineer, Samsung Research Institute
- Arranged lecture meeting on 3rd April 2014 inRoom no-T-3-11, CSE Department , Jadavpur University
- Arranged lecture meeting on 28th January , 2014 at MCKV Institute of Engineering, Liluah, Howrah
- Arranged lecture meeting on 'Cloud Computing and Cryptography', Techno India College of Technology, Rajarhat 29th April, 2014
- Arranged lecture meeting on 6th August, 2014 Room No: T-3-11, Dept. of CSE, Jadavpur University
- Arranged lecture meeting on 12th Dec 2014 Room No: T-3-11, Dept. of CSE, Jadavpur University

WIE-AG

- Workshop on Exploring the world of EXCEL and POWER POINT was arranged at Institute of Radio Physics and Electronics, University of Calcutta 28th March, 2014

- Summer School on “ Fundamentals of Digital Design Automation” from 22nd to 26th July 2014 at Indian Statistical Institute (ISI) Kolkata
- One-day outreach program on “ENGLISH e- learning” on 27th July 2014 at Pratyush, Barasat, West Bengal
- Two days workshop on “MATLAB: Basics and Applications” on 25th and 26th September 2014 at Department of Instrumentation & Electronics Engineering, Jadavpur University, Salt Lake Campus, Kolkata
- Half day program to Felicitate Prof. Renu Laskar, Clemson University, USA on 11th December 2014 at Bramho Balika Shikshalaya, Kolkata

B.6 Awards & Accolades:

- ✓ PES Chapter received 'High Performance Chapter' Award for 2013 from IEEE PES headquarters.
- ✓ AP-MTT Kolkata Chapter was adjudged as the BEST AP-S CHAPTER across the globe for its outstanding performance in the year 2013. This award consisted of a plaque and cash price of US\$1300/-
- ✓ Prof. Chandan Kumar Sarkar, Past Chairman, ED Calcutta Chapter has been selected as Vice Chair, SRC Region 10, IEEE EDS
- ✓ The IEEE Women in Engineering Committee (WIEC) has selected WIE Kolkata Chapter as the recipient of an Honorable Mention for 2013 Affinity Group of the year Award
- ✓ Photonics society of Kolkata Chapter has been chosen as a 2013 IPS Chapter Grant Recipient.
- ✓ Prof. Amit Konar, Professor, Department of Electrical and Telecommunication Engg., Jadavpur University, has been conferred a Fellow of INAE.
- ✓ Dr. Anirban Mukhopadhyay, Associate Professor, Department of Computer Science & Engineering, University of Kalyani, has received INAE Young Engineer Award in 2014.
- ✓ Prof. Sanghamitra Bandyopadhyay, Professor and Head, Machine Intelligence Unit, Indian Statistical Institute has been elected as the Fellow of West Bengal Academy of Science and Technology 2014.

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

- **Number of hard print Newsletter:** Discontinued
- **Number of electronic Newsletters:**
 - 1st Newsletter for Jan. 2014 to June 2014 published.
- **Section, Chapters and Student Branches Web Pages:**

- A newlook website for IEEE KOLKATA SECTION is active with address - www.ewh.ieee.org/r10/calcutta
- Section and some of the Chapters have websites linked mutually.
- All announcements / activities are uploaded in the website regularly.

B.8 Educational Activities

- Young Scientist Colloquium was conducted by APMTT chapter at Indian Institute of Engg. Science and Tech., Shibpur on Aug 19, 2014.
- WIE organized educational programmes:
 - a) workshop on Exploring the world of EXCEL and POWER POINT
 - b) Summer School on " Fundamentals of Digital Design Automation"
 - c) Two days workshop on "MATLAB: Basics and Applications"
- YP-AG organized one day workshop on Android App Development
- EDS organized workshop on Nano Device and its Applications at Silicon Institute of Technology, Bhubaneswar, India
- CAS & COMSOC chapters jointly organized 3-day Workshop on " Introduction to Android Operating System for Touch Screen Smart Phone"

B.9 Industry Relations

- IEEE Kolkata Section has a Industry Relation Chair and organizes programmes in collaboration with the local industries.

B.10 Community Activities

- The annual social event of IEEE Kolkata Section was held on 19 Jan 2014 at Bharat Scouts & Guides, Ganganagar Training Campus, Madhyamgram, Kolkata, West Bengal. About 30 IEEE members and Guests attended the event.
- This year IEEE Kolkata Section celebrated IEEE Day on 10th. October, 2014, at Hotel Park Prime, Kolkata. The objective is to popularize IEEE and to create awareness. Prof. D. K. Basu, of Jadavpur University, one of the founder member of IEEE Kolkata Section, shared his experience with IEEE ExeCom members over Dinner. All enjoyed the celebration and requested for similar activities in future also.

PART C - OTHERS

C.1 Relationship with National Societies

- The relationship with National Societies like The Institution of Engineers (India), The Institute of Electronics & Telecommunication Engineers India, Computer Society of India is cordial. PE Chapter arranged a lecture meeting with collaboration with The Institution of Engineers (India).

C.2 Special Events

- CALCON –2014 in November 2014. There were more than 200 participants from all over India.

C.3 Problems to be Anticipated

- ✓ Non-renewing members – persuasion for timely renewal.
- ✓ Number of members from industry is low
- ✓ Student member retention is low and some student branches become inactive - explore possibility of re-opening of student branch through incentive schemes . However new student branches are formed and new members are added every year
- ✓ Involvement of members in section activities not as per expectation
- ✓ Increased participation of section volunteers in national and international committees
- ✓ Nominating deserving volunteers of the section for IEEE awards and recognitions

C.4 Best Practices of your Section

- ✓ Active student branches
- ✓ Active participation of local students in IEEE activities

PART D – GOALS AND PLANS

D.1 Goals

- Retention of existing members through membership development programs like elevation to Senior Member grade, recognizing the efforts of active members by awarding them citations or personalized plaques.
- Increasing activities of section by arranging more lecture meetings, not necessarily technical but also on public affairs, professional activities, educational trips for students to nearby industries.
- To spread the message of IEEE within Kolkata Section jurisdiction.

D.2 Implementation Plans

- To organize one day program involving all Branch Counsellors from all student branches. This year it was arranged during CALCON 2014.
- To organize one day excursion programmes involving students and also Student Paper Contest. Student paper contest was arranged during CALCON 2014. Best paper from each category (Electrical, Electronics & Computer) was awarded a cash price of Rs. 3000/-.
- To organise membership development programmes in different Institutions.