

## PART A - SECTION SUMMARY

### A.1 Executive Summary

- Section Executive Committee Member List

<b>Section Executive Committee</b>			
Chairman	Koduri Srinivas	Scientist, NRSA (Retd)	41274471
Vice-Chairman	Lakshminarayana Merugu	Scientist G, DLRL	573006
Secretary	Krishna Nagarajan	CEO, CouthIT	3869336
Treasurer	Amit Kumar	CEO, BioAxis DNA Research Centre Pvt Ltd	90732008
Member	Satish Chaparala		6807036
Member	Vijaya Latha	GRIET	91091196
Member	KMM Rao	NRSA (Retd), Prof. BITS Pilani, Hyderabad	4388351
<b>Computer Society Chapter</b>			
Chairman	Hari Prasad Deverapalli	TCS	41533527
Vice-Chairman	Rajesh Ghosh	Oracle	92132822
Secretary/Treasurer	Vinit Kumar	BioAxis DNA Research Centre Pvt.Ltd	
<b>PES/IAS/PESL Society Joint Chapter</b>			
Chairman	Ramaswamy Balasubhmanian	G. Narayanamma College of Engg.	7600737
Vice-Chairman	Valluri Srinivas	Director, Synergy Infra	
Secretary/Treasurer	K.Santosh Kumar	BSNL	
<b>COMSOC/SP Society Joint Chapter</b>			
Chairman	Mohammed Zafar Ali Khan	IIT-Hyderabad	41260870
Vice-Chairman	N. Venkatesh	Redpine Signals	41506407
<b>MTT/AP/EMC Society Joint Chapter</b>			
Chairman	Nukala Srinivasa Rao	Matrusri Engg.College	85017068
Vice-Chairman	Yogesh Kumar Verma	DRDL	90392860
Secretary/Treasurer	D. Rama Krishna	ECE Dept, OU	92130488
<b>WIE Affinity Group</b>			
Chairperson	A. Swarna Bai	Scientist E, RCI	90356439
Vice-Chairman	Rashmi Ambale	NCR	90747279
Secretary	M. Sowmya	HCL	92110418
<b>GOLD Affinity Group</b>			
Chairman	Preethi Kowali	Mahendra Satyam	85032262
Vice-Chairman	Ram Manohar Sharma Madiraju		90807790
Secretary	M. Sowmya	HCL	92110418
<b>Computational Intelligence Society Chapter</b>			
Chairman	Atul Negi	University of Hyderabad	3803707
<b>Education Society Chapter</b>			
Chairman	Ravi Shankar	TCS	92134939
<b>Photonics Society Chapter</b>			
Chairman	Jagannath Nayak	RCI	90843547
Vice-Chairman	P.VenkataRamana	Vasavi College of Engineering	
Secretary	K. Indusekhar	RCI	92486559
Treasurer	Pradeep Kumar	RCI	92530547
<b>EDS/CAS Joint Chapter</b>			
Chairman	P. Govindacharyulu	Vasavi College of Eng. Hyderabad	40152076
Vice-Chairman	Kaleem Fatima	M J College of Engg., Hyderabad	41424639
Secretary/Treasurer	Arifuddin Sohel	M J College of Engg., Hyderabad	90871309
<b>Technology Management Council Affinity Group</b>			
Chairman	Gopalkrishna Kuppa	Consultant	80168118
Vice-Chairman	Srinivas Jasti	TCS	41250549

- Section Highlights

IEEE Hyderabad is one of the most active sections in R10. The section has 9 Chapters (Computer Society Chapter, PES/IAS/PELS Joint Chapter, COMSOC/SP Joint Chapter, MTT/EMC/AP Joint Chapter, CIS Chapter, Photonic Chapter, Educational Society Chapter, and CAD/EDS Joint Chapters, Technology Management Council) and 2 Affinity Groups

(Women in Engineering, and GOLD/YPC). The Section along with Chapters/Affinity Groups conducted more than 60 technical events and 25 administrative meetings during 2013.

IEEE Hyderabad Section and IEEE Boston Section have signed a Sister Section Agreement to collaborate and organize joint events.

**IEEE Exhibits @ BM Birla Science Centre** is a group of interactive exhibits in science and engineering created by the IEEE for pre-college students, and presented in partnership with BM Birla Science Centre. Section also works with Schools in developing IEEE Exhibits. All the exhibits are detailed in the Section website (<http://www.ieeehyd.org/main/exhibit/>). The website includes information such as videos introducing the exhibits, operations manual, and the teacher's manual.

- Major Events (International, National)

Date	Event
2014-09-22	(Faraday Memorial Lecture) Smart Grid - The Evolution of Faraday's Vision and Passion for Electricity
2014-08-23	IEEE Hyderabad Section Student Congress 2014
2014-06-24	(Sponsored Conference) IEEE Conference on Norbert Wiener in the 21st Century
2014-08-19	(Sponsored Conference) First International Conference on Networks & Soft Computing
2014-09-11	(Sponsored Conference) Eleventh International Conference on Wireless and Optical Communications Networks WOCN2014, Next Generation Internet
2014-09-19	(Sponsored Conference) International Conference on Smart Electric Grid
2014-11-08	(Sponsored Conference) Hamfest India 2014

- Major Chapter Activities

Summary of major chapter activities is given below. More detailed list is provided in Section B.2.

PES/IAS/IELS Joint Chapter: Power Colloquium, Distinguished Lectures, Industrial Visits

COMSOC/SP Joint Chapter: Alexander Graham Bell Memorial Lecture 2014

MTT/EMC/AP Joint Chapter: JC Bose Memorial Lecture 2014, Workshops on Antenna Design, EMI, and Satellite Communication.

CAS/EDS Joint Chapter: Workshops on Ham Radio, Analog IC design, MEMS

CS Chapter: Workshop on Cybersecurity, Norbert Wiener Seminar

Educational Society Chapter: IEEE Hyderabad Skills Connect Program

TMC: Smart Appliance Innovator Forum

CIS Chapter: Workshop on Big Data Analytics, Distinguished Lectures.

Photonics Chapter: Workshop on Photonics (Optical Communication, Circuit & Component Design)

- Major Student and Affinity Group Activities

Summary of major activities is listed below. More details are provided in Section B.5

WIE: Industrial visits, Online Quiz and WIE Zonal Congress

YPC: Smart Appliance Innovator Forum

- Awards
  - Haraden Pratt Award – Dr. Kodali received it in Section Congress 2014
  - Darrel Chong Activity Awarded (Bronze) to Muffakam Jha College of Engineering IEEE Student Branch

## A.2 Financial Report –

- Summary (as per submitted net-suite)

Income (As on December 31<sup>st</sup>, 2014) = INR 2,442,665.00  
Expense (As on December 31<sup>st</sup>, 2014) = INR 2,470,047.00

## PART B - ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Activities

- Total number of active members:

2014: Total Members as on December 31st: 5852

Associate Member	48
Graduate Student Member	521
Life Fellow	6
Life Member	4
Life Senior	9
Member	1456
Senior Member	130
Student Member	3677

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
  - 60+ Technical Events conducted by the Section/Chapters/AG during 2014
  - Up to date Section website with details on events and other activities.
  - 14 events were video recorded for the benefit of members resulting in 26 videos which are available at the URLs listed in the table below. The total number of views of these videos as on January 31<sup>st</sup>, 2015 is ~2000.

Video Recording	Event name	Date	# Views
<a href="http://www.ieeehyd.org/?p=1018">http://www.ieeehyd.org/?p=1018</a>	(Invited Talk) Institute – Industry Collaboration, a necessary condition for national prosperity	2014-01-02	216
<a href="http://www.ieeehyd.org/?p=1043">http://www.ieeehyd.org/?p=1043</a>	(Technical Lecture) Application of Artificial Neural Networks & Soft Computing Techniques to Engineering World Problems	2014-01-25	253
<a href="http://www.ieeehyd.org/?p=1082">http://www.ieeehyd.org/?p=1082</a>	(Technical Lecture) Lifetime maximization for Wireless Sensor Networks using video cameras	2014-02-15	124
<a href="http://www.ieeehyd.org/?p=1128">http://www.ieeehyd.org/?p=1128</a>	(Alexander Graham Bell Lecture) Coding for Distributed Storage – Two Recent Approaches	2014-03-03	83
<a href="http://www.ieeehyd.org/?p=1174">http://www.ieeehyd.org/?p=1174</a>	(Distinguished Lecture) Design and Development of RF MEMS components and subsystems & Microwave and Millimeter wave	2014-03-22	126

	Circuit Design		
<a href="http://www.ieeehyd.org/?p=1186">http://www.ieeehyd.org/?p=1186</a>	(Technical Lecture) Scene Understanding: Challenges and Advances	2014-03-30	84
<a href="http://www.ieeehyd.org/?p=1199">http://www.ieeehyd.org/?p=1199</a>	(Technical Talk) Approximate Computing for Energy-efficient Error-resilient Multimedia Systems	2014-04-15	89
<a href="http://www.ieeehyd.org/?p=1219">http://www.ieeehyd.org/?p=1219</a>	(Distinguished Lecture) Advanced Antenna Systems for Satellite Communication Payloads	2014-05-30	162
<a href="http://www.ieeehyd.org/?p=1266">http://www.ieeehyd.org/?p=1266</a>	(Seminar) Advances in Fiber Optics Sensors	2014-07-18	120
<a href="http://www.ieeehyd.org/?p=1308">http://www.ieeehyd.org/?p=1308</a>	(Technical Talk) Evolution of Botnet Threat	2014-08-04	96
<a href="http://www.ieeehyd.org/?p=1324">http://www.ieeehyd.org/?p=1324</a>	IEEE Hyderabad Section Student Congress 2014	2014-08-23	275
<a href="http://www.ieeehyd.org/?p=1351">http://www.ieeehyd.org/?p=1351</a>	Distinguished Lectures by Dr. Jay Giri	2014-09-15	70
<a href="http://www.ieeehyd.org/?p=1368">http://www.ieeehyd.org/?p=1368</a>	(Faraday Memorial Lecture) Smart Grid - The Evolution of Faraday's Vision and Passion for Electricity	2014-09-22	120
<a href="http://www.ieeehyd.org/?p=1442">http://www.ieeehyd.org/?p=1442</a>	Three Distinguished Lectures	2014-12-23	98

## B.2 Chapter Activities

- Total number of Chapters in the Section: 9
- Number of Chapters formed in the current year: 0
- Number of Active Chapters (Chapters who have reported required number of meetings during the year):

All the 9 chapters have reported the required number of meetings during 2014

- Summary of Chapter activities chapter wise with attachment table / information

Event URL	Event name	Date
<b>IEEE Photonics Society (3)</b>		
<a href="http://www.ieeehyd.org/?p=1266">http://www.ieeehyd.org/?p=1266</a>	(Seminar) Advances in Fiber Optics Sensors	2014-07-18
<a href="http://www.ieeehyd.org/?p=1399">http://www.ieeehyd.org/?p=1399</a>	Seminar on Photonics	2014-10-21
<a href="http://www.ieeehyd.org/?p=1419">http://www.ieeehyd.org/?p=1419</a>	(Workshop) Photonics (Optical Communication, Circuit & Component Design)	2014-11-26
<b>CAS / EDS Joint chapter (7)</b>		
<a href="http://www.ieeehyd.org/?p=1156">http://www.ieeehyd.org/?p=1156</a>	(Workshop) Amateur (HAM) Radio	2014-03-15
<a href="http://www.ieeehyd.org/?p=1199">http://www.ieeehyd.org/?p=1199</a>	(Technical Talk) Approximate Computing for Energy-efficient Error-resilient Multimedia Systems	2014-04-15
<a href="http://www.ieeehyd.org/?p=1242">http://www.ieeehyd.org/?p=1242</a>	(Workshop) Micro Electro Mechanical Systems (MEMS) Design	2014-06-20
<a href="http://www.ieeehyd.org/?p=1337">http://www.ieeehyd.org/?p=1337</a>	(Workshop) Analog IC Design – Specifications to Reality	2014-09-18
<a href="http://www.ieeehyd.org/?p=1370">http://www.ieeehyd.org/?p=1370</a>	(Technical Talk) Hardware-Software Co-Design in Embedded Systems	2014-09-27

<a href="http://www.ieeehyd.org/?p=1411">http://www.ieeehyd.org/?p=1411</a>	(Technical Lecture) VLSI for Healthcare	2014-10-29
<a href="http://www.ieeehyd.org/?p=1430">http://www.ieeehyd.org/?p=1430</a>	(Technical Lecture) FUTURE PERSPECTIVES OF APPLICATIONS IN ENVIRONMENTAL REMOTE SENSING, GEOPHYSICAL STRESS DETECTION FOR NATURAL AND MAN-MADE HAZARD DETECTION AND DISASTER PREVENTION	2014-12-02
<b>PES/IAS/PELS Joint Chapter (11)</b>		
<a href="http://www.ieeehyd.org/?p=1043">http://www.ieeehyd.org/?p=1043</a>	(Technical Lecture) Application of Artificial Neural Networks & Soft Computing Techniques to Engineering World Problems	2014-01-25
<a href="http://www.ieeehyd.org/?p=1090">http://www.ieeehyd.org/?p=1090</a>	(Industrial Visit) Hyderabad Batteries Limited, Shameerpet	2014-02-21
<a href="http://www.ieeehyd.org/?p=1087">http://www.ieeehyd.org/?p=1087</a>	(Technical Lecture) Real Time Power Distribution SCADA	2014-02-22
<a href="http://www.ieeehyd.org/?p=1143">http://www.ieeehyd.org/?p=1143</a>	(Power Colloquium'14) Emerging Trends And Challenges In Electrical Power Systems	2014-03-06
<a href="http://www.ieeehyd.org/?p=1148">http://www.ieeehyd.org/?p=1148</a>	(Technical Seminar/Plant Visit) Solar Technologies and a visit to Indo-Norway Solar Plant and 100KWp Solar Plant.	2014-03-14
<a href="http://www.ieeehyd.org/?p=1151">http://www.ieeehyd.org/?p=1151</a>	(Technical Lecture) Advanced Metering Infrastructure	2014-03-15
<a href="http://www.ieeehyd.org/?p=1250">http://www.ieeehyd.org/?p=1250</a>	(Technical Lecture) TRENDS-DRIVES +PLCs AUTOMATION APPLICATIONS in INDUSTRIES	2014-07-04
<a href="http://www.ieeehyd.org/?p=1305">http://www.ieeehyd.org/?p=1305</a>	(Technical Lectures) Technologies and Solutions for Smart Grids / Power Electronics & Drives: Selection & Applications	2014-08-02
<a href="http://www.ieeehyd.org/?p=1351">http://www.ieeehyd.org/?p=1351</a>	Distinguished Lectures by Dr. Jay Giri	2014-09-15
<a href="http://www.ieeehyd.org/?p=1426">http://www.ieeehyd.org/?p=1426</a>	(Technical Lecture) Power Quality Issues and Possible Solutions	2014-11-29
<a href="http://www.ieeehyd.org/?p=1433">http://www.ieeehyd.org/?p=1433</a>	(Technical Lecture) Applications of Dynamic Ratings in Real-Time Operation of Grid	2014-12-12
<b>Communication/Signal Processing Society Joint Chapter (7)</b>		
<a href="http://www.ieeehyd.org/?p=1069">http://www.ieeehyd.org/?p=1069</a>	(Colloquium) First 2014 Communications Colloquium	2014-02-01
<a href="http://www.ieeehyd.org/?p=1128">http://www.ieeehyd.org/?p=1128</a>	(Alexander Graham Bell Lecture) Coding for Distributed Storage – Two Recent Approaches	2014-03-03
<a href="http://www.ieeehyd.org/?p=1308">http://www.ieeehyd.org/?p=1308</a>	(Technical Talk) Evolution of Botnet Threat	2014-08-04
<a href="http://www.ieeehyd.org/?p=1356">http://www.ieeehyd.org/?p=1356</a>	(Distinguished Lecture) White Space Networking: Integrated Sensing & Database Architecture	2014-09-04
<a href="http://www.ieeehyd.org/?p=1363">http://www.ieeehyd.org/?p=1363</a>	(Distinguished Lecture) Distributed OFDMA in Small Cells	2014-09-05
<a href="http://www.ieeehyd.org/?p=1376">http://www.ieeehyd.org/?p=1376</a>	(Tutorial) Amateur Radio Communications, Software and Computer Networks in Education	2014-09-15
<a href="http://www.ieeehyd.org/?p=1448">http://www.ieeehyd.org/?p=1448</a>	(Technical Lecture) Advanced Computational Imaging: Super-	2014-12-22

	Resolution and 3D Acquisition Using Active Illumination	
<b>Computer Society (7)</b>		
<a href="http://www.ieeehyd.org/?p=1058">http://www.ieeehyd.org/?p=1058</a>	(Technical Lecture) Next Generation Mobile Cloud For SMAC In Education And Software Project Delivery	2014-01-28
<a href="http://www.ieeehyd.org/?p=1097">http://www.ieeehyd.org/?p=1097</a>	(Tutorial) Secure Development of Mobile Applications	2014-03-06
<a href="http://www.ieeehyd.org/?p=1195">http://www.ieeehyd.org/?p=1195</a>	(Seminar) Norbert Wiener, Cybernetics, Humanity and Technology	2014-04-26
<a href="http://www.ieeehyd.org/?p=1341">http://www.ieeehyd.org/?p=1341</a>	(Workshop) Cyber Security	2014-09-13
<a href="http://www.ieeehyd.org/?p=1390">http://www.ieeehyd.org/?p=1390</a>	Colloquium on Computing	2014-10-11
<a href="http://www.ieeehyd.org/?p=1407">http://www.ieeehyd.org/?p=1407</a>	(Technical Lecture) Frugal Innovation – Its Importance and its Challenges	2014-10-28
<a href="http://www.ieeehyd.org/?p=1442">http://www.ieeehyd.org/?p=1442</a>	Three Distinguished Lectures	2014-12-23
<b>MTT– AP–EMC Joint chapter (9)</b>		
<a href="http://www.ieeehyd.org/?p=1038">http://www.ieeehyd.org/?p=1038</a>	(Distinguished Lecture) Relevance of Electromagnetics in Daily Lives	2014-01-10
<a href="http://www.ieeehyd.org/?p=1174">http://www.ieeehyd.org/?p=1174</a>	(Distinguished Lecture) Design and Development of RF MEMS components and subsystems & Microwave and Millimeter wave Circuit Design	2014-03-22
<a href="http://www.ieeehyd.org/?p=1183">http://www.ieeehyd.org/?p=1183</a>	(Tutorial) Recent Advances in Antenna Design and Applications	2014-03-29
<a href="http://www.ieeehyd.org/?p=1219">http://www.ieeehyd.org/?p=1219</a>	(Distinguished Lecture) Advanced Antenna Systems for Satellite Communication Payloads	2014-05-30
<a href="http://www.ieeehyd.org/?p=1273">http://www.ieeehyd.org/?p=1273</a>	(Workshop) Advances in Antenna Design with Applications & Simulation with HFSS Software	2014-07-24
<a href="http://www.ieeehyd.org/?p=1268">http://www.ieeehyd.org/?p=1268</a>	(Workshop) Intra System EMI/EMC – Design Concepts	2014-08-19
<a href="http://www.ieeehyd.org/?p=1396">http://www.ieeehyd.org/?p=1396</a>	(Distinguished Lecture) A Practitioners approach to EMC testing with reverberation Chambers	2014-11-01
<a href="http://www.ieeehyd.org/?p=1422">http://www.ieeehyd.org/?p=1422</a>	(JC Bose Memorial Lecture) Cellphone/Tower Radiation Hazards and Solutions	2014-11-29
<a href="http://www.ieeehyd.org/?p=1444">http://www.ieeehyd.org/?p=1444</a>	Satellite Communication Workshop	2014-12-27
<b>Computational Intelligence Society Chapter (4)</b>		
<a href="http://www.ieeehyd.org/?p=1043">http://www.ieeehyd.org/?p=1043</a>	(Technical Lecture) Application of Artificial Neural Networks & Soft Computing Techniques to Engineering World Problems	2014-01-25
<a href="http://www.ieeehyd.org/?p=1082">http://www.ieeehyd.org/?p=1082</a>	(Technical Lecture) Lifetime maximization for Wireless Sensor Networks using video cameras	2014-02-15
<a href="http://www.ieeehyd.org/?p=1186">http://www.ieeehyd.org/?p=1186</a>	(Technical Lecture) Scene Understanding: Challenges and Advances	2014-03-30
<a href="http://www.ieeehyd.org/?p=1435">http://www.ieeehyd.org/?p=1435</a>	(Workshop) Big Data Analytics	2014-12-15

<b>TMC (4)</b>		
<a href="http://www.ieeehyd.org/?p=1311">http://www.ieeehyd.org/?p=1311</a>	(Lecture) Fourth Industrial Revolution (Industry 4.0)	2014-08-08
<a href="http://www.ieeehyd.org/?p=1327">http://www.ieeehyd.org/?p=1327</a>	Smart Appliances Innovators Forum	2014-08-23
<a href="http://www.ieeehyd.org/?p=1407">http://www.ieeehyd.org/?p=1407</a>	(Technical Lecture) Frugal Innovation – Its Importance and its Challenges	2014-10-28
<a href="http://www.ieeehyd.org/?p=1414">http://www.ieeehyd.org/?p=1414</a>	Forensic and Medical Bioinformatics: Impact and Challenges	2014-11-07
<b>IEEE Education Society (5)</b>		
<a href="http://www.ieeehyd.org/?p=1018">http://www.ieeehyd.org/?p=1018</a>	(Invited Talk) Institute – Industry Collaboration, a necessary condition for national prosperity	2014-01-02
<a href="http://www.ieeehyd.org/?p=1058">http://www.ieeehyd.org/?p=1058</a>	(Technical Lecture) Next Generation Mobile Cloud For SMAC In Education And Software Project Delivery	2014-01-28
<a href="http://www.ieeehyd.org/?p=1334">http://www.ieeehyd.org/?p=1334</a>	(Workshop) E-learning	2014-08-30
<a href="http://www.ieeehyd.org/?p=1407">http://www.ieeehyd.org/?p=1407</a>	(Technical Lecture) Frugal Innovation -- Its Importance and its Challenges	2014-10-28
<a href="http://www.ieeehyd.org/?p=1414">http://www.ieeehyd.org/?p=1414</a>	Forensic and Medical Bioinformatics: Impact and Challenges	2014-11-07

### B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs is given in the table below.

<b>Date</b>	<b>Title</b>
2014-08-14	(Workshop) How to publish a technical paper with IEEE
2014-06-24	(Sponsored Conference) IEEE Conference on Norbert Wiener in the 21st Century
2014-08-19	(Sponsored Conference) First International Conference on Networks & Soft Computing
2014-09-11	(Sponsored Conference) Eleventh International Conference on Wireless and Optical Communications Networks WOCN2014, Next Generation Internet
2014-09-19	(Sponsored Conference) International Conference on Smart Electric Grid
2014-11-08	(Sponsored Conference) Hamfest India 2014
2014-11-26	(Workshop) Photonics (Optical Communication, Circuit & Component Design)
2014-03-15	(Workshop) Amateur (HAM) Radio
2014-06-20	(Workshop) Micro Electro Mechanical Systems (MEMS) Design
2014-09-18	(Workshop) Analog IC Design – Specifications to Reality
2014-02-21	(Industrial Visit) Hyderabad Batteries Limited, Shameerpet
2014-03-06	(Power Colloquium'14) Emerging Trends And Challenges In Electrical Power Systems
2014-03-14	(Technical Seminar/Plant Visit) Solar Technologies and a visit to

	Indo-Norway Solar Plant and 100KWp Solar Plant.
2014-09-15	Distinguished Lectures by Dr. Jay Giri
2014-02-01	(Colloquium) First 2014 Communications Colloquium
2014-09-04	(Distinguished Lecture) White Space Networking: Integrated Sensing & Database Architecture
2014-09-05	(Distinguished Lecture) Distributed OFDMA in Small Cells
2014-03-06	(Tutorial) Secure Development of Mobile Applications
2014-04-26	(Seminar) Norbert Wiener, Cybernetics, Humanity and Technology
2014-09-13	(Workshop) Cyber Security
2014-10-11	Colloquium on Computing
2014-12-23	Three Distinguished Lectures
2014-01-10	(Distinguished Lecture) Relevance of Electromagnetics in Daily Lives
2014-03-22	(Distinguished Lecture) Design and Development of RF MEMS components and subsystems & Microwave and Millimeter wave Circuit Design
2014-03-29	(Tutorial) Recent Advances in Antenna Design and Applications
2014-05-30	(Distinguished Lecture) Advanced Antenna Systems for Satellite Communication Payloads
2014-07-24	(Workshop) Advances in Antenna Design with Applications & Simulation with HFSS Software
2014-08-19	(Workshop) Intra System EMI/EMC – Design Concepts
2014-11-01	(Distinguished Lecture) A Practitioners approach to EMC testing with reverberation Chambers
2014-11-29	(JC Bose Memorial Lecture) Cellphone/Tower Radiation Hazards and Solutions
2014-12-27	Satellite Communication Workshop
2014-12-15	(Workshop) Big Data Analytics
2014-08-30	(Workshop) E-learning

## B.4 Students Activities

- Total number of Student branches in the Section: 96
- Number of Student branches formed in the current year: 21
- Number of Student branches re-initiated in the current year: 16
- Section level student activities (student congress, paper and other contests, awards etc)
  - Student Leadership Congress
  - Section Student Congress 2014
  - IEEE Extreme
  - IEEE Hyderabad Skill Connect Program
  - Industrial Visit
- Number of Active Student branches (Student branches who have reported required number of meetings during the year)
  - 36 Student Branches have provided the details on the events conducted during 2014 (this includes the re-initiated SBs, but does not include the new SBs).



## B.5 Affinity Group Activities

Event URL	Event name	Date
<b>GOLD</b>		
<a href="http://www.ieeehyd.org/?p=1327">http://www.ieeehyd.org/?p=1327</a>	Smart Appliances Innovators Forum	2014-08-23
<a href="http://www.ieeehyd.org/?p=1334">http://www.ieeehyd.org/?p=1334</a>	(Workshop) E-learning	2014-08-30
<b>WIE</b>		
<a href="http://www.ieeehyd.org/?p=1034">http://www.ieeehyd.org/?p=1034</a>	(Industrial Visit) Hyderabad Metro Rail	2014-01-09
<a href="http://www.ieeehyd.org/?p=1047">http://www.ieeehyd.org/?p=1047</a>	(Industrial Visit) ISTRAC (ISRO) Bangalore	2014-02-19
<a href="http://www.ieeehyd.org/?p=1104">http://www.ieeehyd.org/?p=1104</a>	Online Quiz for Students by WIE Affinity Group	2014-02-27
<a href="http://www.ieeehyd.org/?p=1139">http://www.ieeehyd.org/?p=1139</a>	International Women's Day Celebrations	2014-03-08
<a href="http://www.ieeehyd.org/?p=1387">http://www.ieeehyd.org/?p=1387</a>	WIE Congress	2014-10-18

## B.6 Awards & Recognition Activities

- Award constituted by the section
  - Vibrant Student Branch Award
  - Emerging Student Branch Awards (6)
  - All 2014 outgoing section officers on completion of their services were given a Certificate of Appreciation.
- Award(s) received from R10
  - Darrel Chong Activity Awarded (Bronze) to Muffakam Jha College of Engineering IEEE Student Branch
  - R10 Humanitarian Technology Activities
    - Shree Vishnu College of Engineering (\$500) -- for their proposal titled "Learning Aids for the Mentally Challenged"
  - Region 10 WIE Support Funds
    - IEEE WIE Congress (\$300)
    - Employability Skills Development (\$200)
- Award(s) received from IEEE HQ
  - Haraden Pratt Award – Dr. Kodali
  - YPC Support Funds
    - STEP Event (\$500)

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

- Home Page of the section (give the URL and frequency which it is updated)

Section homepage: [www.ieeehyd.org](http://www.ieeehyd.org)

The section website is updated at least once every week. All the section events are posted regularly. If a video recording of the event is available, it is made available in the section website. The website also provides up to date information about the awards and recognition received by the Section, volunteer resources, and officer information.

- Other means of contacts with section members

IEEE LISTSERV is used to create mailing lists for members. The list is updated regularly using the SAM IEEE database. Email communication is sent only if the members opt for section communication in their IEEE Account → Communication Preferences.

## B.8 Industry Relations

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

Members from Industry are very much an integrated part of the section. Section Chair, Vice-Chair, Section Secretary, Treasurer, Past Chair, Executive Committee Members and some Chapter Chairs are all from the Industry. Section has a healthy practice of sponsoring Industrial visits.

## B.9 Humanitarian Technology Activities

IEEE Hyderabad Section along with Shree Vishnu College of Engineering submitted a proposal titled “Learning Aids for the Mentally Challenged” to the R10 Humanitarian Technology Activities. This proposal was accepted the funding was released to start the project.

The Section organized a lecture on sustainable development in 2014. The details are given below.

Event URL	Event name	Date
<a href="http://www.ieeehyd.org/?p=1318">http://www.ieeehyd.org/?p=1318</a>	(Lecture) Capacity Building in Science and Technology for Sustainable Development	2014-08-11

## B.10 Community Activities

- **IEEE Exhibits @ BM Birla Science Centre** is a group of interactive exhibits in science and engineering created by the IEEE for pre-college students, and presented in partnership with BM Birla Science Centre. Section also works with Schools in developing IEEE Exhibits.

# PART C - OTHERS

## C.1 Relationship with National Societies

Section has a special relationship with IETE/ACM/IE and conducts certain events jointly. The following events were jointly conducted in 2014:

Event URL	Event name	Date
<a href="http://www.ieeehyd.org/?p=1079">http://www.ieeehyd.org/?p=1079</a>	(Sponsored Event with IETE) Workshop on Advances in Video Processing and Applications	2014-02-09
<a href="http://www.ieeehyd.org/?p=1159">http://www.ieeehyd.org/?p=1159</a>	(Sponsored Event) Zonal Seminar cum National Symposium on “SPEECH, VIDEO, IMAGE PROCESSING and APPLICATIONS”	2014-03-29
<a href="http://www.ieeehyd.org/?p=1215">http://www.ieeehyd.org/?p=1215</a>	(Sponsored Seminar) Indian Space Technology - Present and Future	2014-05-01

## C.2 Special Events

- TBD

## C.3 Problems to be Anticipated

- Increasing member participation in Section events
- Organizing events in venues that are easily accessible to all the members
- Attracting volunteers for Section activities
- Managing the section budget efficiently.
- Managing the sub-Sections
- Managing the increasing number of requests for conference sponsorships

#### **C.4 Best Practices of your section (which you would like share with other sections for the benefits of members)**

- Face to face meetings of SEC every month
- Video recording of events for easy access and convenient viewing by members
- Encouraging the Chapters/AG (via financial support and otherwise) for organizing more than the minimum mandated number of events.
- Sponsoring active volunteers/SEC members for Conference Leadership programs within and outside of India.
- Funding (partial) for student members for presenting research papers within and outside of India.

### **PART D - GOALS AND PLANS**

#### **D.1 Continuation of Project/Activity in Progress and Their Implementation Plans**

- Section flagship events (Faraday Memorial Lecture, A G Bell Lecture, J C Bose Lecture, Section Student Congress) will be conducted with fervor in 2015 as well. The 2015 Faraday Memorial Lecture will be the 25<sup>th</sup> edition of this event.
- IEEE Hyderabad Skill Connect program initiated by the Education Society Chapter will be supported in 2015.
- Section has plans to organize multiple International conferences in 2015 (either fully sponsored or technical co-sponsored). The initial planning and execution activities have already started in 2014.
- Newsletter editor has been identified and the Section will plan to release the newsletter once every quarter.
- Liaison with the income tax officials in the Indian jurisdiction regarding the tax exemption status.

#### **D.2 Goals and Future Plans**

- Sustain the momentum of the Section/Chapter/AG activities.
- Streamline the budgeting process to ensure that the funds are spent efficiently and effectively.
- Streamline the video recording of events for members
- Streamline the publishing of newsletters
- There is lot of interest in organizing International/National conferences by educational institutions under the purview of Section. To ensure the quality of such conferences, we need to increase the senior member participation as part of the organizing committees.
- Flagship events to be created for every Chapter/AG
- New Logo for the Section
- Creating a preferred vendor list for the Section activities.