

## IEEE Hyderabad Section Report – 2011

*Presented for the Region 10 Meeting Kolkata March-3-4 2012*

### PART A - SECTION SUMMARY

#### A.1 Executive Summary

<b>Section Executive Committee 2011</b>			
<b>Position</b>	<b>Volunteer Name</b>	<b>Affiliation</b>	<b>Membership No.</b>
Chairman	MGPL Narayana	Tata Consultancy Services	SM4707865
Vice-Chairman	Dr. Koduri Srinivas	NRSC Hyderabad	SM41274471
Secretary	Dr. Amit Kumar	BioAxis DNA Research Centre Pvt Ltd	M90732008
Treasurer	Maruthi Pathapati	Vidcentum R&D Pvt Ltd	M41249040
Member	Kuppa Gopalakrishna	Consultant	M80168118
Member	Dr. Gunasekhar Reddy	AP Police	SM80362919
Member	Padmaprabodh Ambale	Oracle	M41344816
<b>Computer Society Chapter</b>			
Chairman	Aditya Rao	Oracle	M41392320
Vice-Chairman	N Venkatesh	Red Pine Signals	M41506407
Secretary/Treasurer	Venkataramanan S	Oracle	M90445497
<b>PES/IAS/PESL Society Joint Chapter</b>			
Chairman	T R Rajagopalan	NTPC	M41366623
Vice-Chairman	Dr. DVSS Sivasarma	NIT – Warangal	SM41597317
Secretary/Treasurer	S. Appa Rao	APTRANSCO	A90252695
<b>COMSOC/SP Society Joint Chapter</b>			
Chairman	Dr. Deergha Rao Korrai	NERTU, Hyderabad	SM41361764
Vice-Chairman	Nanda Kishore Chavali	Uurmi Systems	SM41567007
Secretary/Treasurer	TSN Murty	CBIT, Hyderabad	M90399100
<b>MTT/AP/EMC Society Joint Chapter</b>			
Chairman	M Lakshminarayana	DLRL	SM573006
Vice-Chairman	N Srinivasa Rao	Malla Reddy Engg College	SM85017068
Secretary/Treasurer	Dr K. Jaya Shankar	Vasavi College of Engg.	M40294803
<b>WIE Affinity Group</b>			
Chairperson	Mrs Madhumita Chakravarti	RCI	SM80401554
Vice-Chairman	Dr. Pushpa Kotipalli	Malla Reddy Institute of Science and Technology	M90100172
<b>GOLD Affinity Group</b>			
Chairman	Padmaprabodh Ambale	Oracle	M41344816
Secretary/Treasurer	Prashant K V	Vidcentum R&D Pvt. Ltd	M90344834
Student Activity Chair	P Srihari	Dadi Institute of Technology	M40331354

## Section Highlights

### Membership and Society Profile:

- IEEE Hyderabad Section has 6 IEEE Fellows and more than 100 Senior Members. IEEE Hyderabad Section has a strong membership of more than 5,000.
- 6 Society/Council Chapters and 2 Affinity Groups. IEEE Hyderabad Section has wide cross section of members from industry, academia and public sector companies.

### Society Chapters and Affinity Groups:

1. Computer Society Chapter
2. PES/IAS/PELS Society Joint Chapter
3. MTT/AP/EMC Society Joint Chapter
4. ComSoc/SP Joint Chapter
5. Computational Intelligence Society
6. Technology Management Council
7. Women in Engineering Affinity Group
8. GOLD Affinity Group.

### Committees:

- Educational Committee
  - Professional Development Committee
  - Resource Development Committee
  - Membership Development Committee
  - Awards Committee
  - Student Activities Committee
  - News Letter/SYNAPSE Editors
  - Web Master
- 
- IEEE Hyderabad Section conducts monthly (frequent) meetings to oversee various activities.
  - The section maintains its own website (<http://www.ieeehyd.org>) announcing its activities and seeking inputs from members.
  - Mailing lists are used to reach out to members about the programs being conducted and call for membership drives etc as needed.
  - Active Students Members (Volunteers) are invited to SEC meetings thus enthusing importance of professional activities and IEEE.
  - IEEE Hyderabad Section works closely with other professional bodies such as *Institution of Engineers (India)*, *Institute of Electronics and Telecom Engineers*, *Computer Society India*, and *ACM*.
  - Section has been conducting Project Contest for undergraduate, graduate students annually for the IEEE India Council.
  - Section organizes *Faraday Memorial Lecture (FML)* annually by eminent speakers.

- The Section has established a process of collecting feedback and recommendations to follow. Section feedback is used to identify member interests, program ratings, plan future programs, identify volunteers, and follow up with potential non-members to turn them into members.

Measurement of feedback: on an average all the programs "**met expectations**" or "**exceeded expectations**"

- IEEE Hyderabad Section has been actively participating in **IEEE Exhibits @ BM Birla Science Centre**, 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.

### Major Events (International, National)

- The INDICON 2011 (Annual India Council Conference) was concluded at Hyderabad with a special theme of "*Engineering Sustainable Solutions*". It had 4 tracks, with 318 presented papers (from 1100 submissions) and numerous Plenary lectures from eminent speakers, IEEE Presidents, and well attended by members and registered participants.
- Farady Memorial Lecture (Annual event 23<sup>rd</sup> September) by Dr. FC Kohli (2011 IEEE Medal of Honor Awardee)
- Successful Nanotechnology Conference (National Seminar on Nanotechnology – Its Future and Applications in Energy Sector. 26<sup>th</sup> 27<sup>th</sup> August 2011)
- Addition of Computational Intelligence Society Chapter, TMC Chapter and Vizag Bay Subsection
- IEEE Hyderabad Section Membership Promotion Campaign at ITsAP- An annual conference of IT companies in the state of Andhra Pradesh, India, to promote IEEE brand and membership.
- Provided Financial Support to students for attending the IEEE Student Congress (Auckland) and International Conferences/Meetings
- Computer Society Chapters *Computing Colloquiums* in different cities under the section.
- Increase in the Numbers of DLs, that is several IEEE Fellows visited section and delivered Distinguished Lectures

### Other Notable Activities

- Resource Development Activities: Call for Volunteers and arranging meetings
- Addition of Resources to Resource database
- Quick Responses to the query of members in the section
- TISP in different Regions
- Maintaining and updating FB, Twitter and Linked-in accounts of the Section
- IEEE Day Talk on “ Technical Aids on improving quality of Teaching”

- Industrial Visits to BHEL and Defense Lab
- Addition of Student branches and Reactivating the Dormant student Branches
- Publication of Articles, events, News of section activities in the monthly newsletter Synapse on time.
- Technical and financial sponsorships to different student branches for organizing different programmes.
- Assisting student branches in organizing IEEE Conferences

#### **Technical Co-Sponsorships in 2011**

- *Fuzzy and Neural* Computing Conference (FANCCO), 2011, 18 - 21 Dec, Visakhapatnam
- RSPAC 2011

#### **Major Chapter Activities**

- Graham Bell Memorial Lecture by Communications society joint Chapter
- JC Bose Memorial Lecture by MTT Joint Chapter
- Nanotechnology conference by PES/IAS/PELS Society Joint Chapter

#### **Major Student and Affinity Group Activities**

- 13-Aug: Student Transition Elevation Partnership (STEP)
- 26-Aug: Nanotechnology – Its future and Applications in Energy Sector (jointly with PES)
- 03-Sep: Workshop on TISP at Mylavaram
- IEEE “Women In Engineering” (WIE) Affinity Group of the Hyderabad Section celebrated 100th International Women's Day at Celebrity Club, Hyderabad on 8th March, 2011 in collaboration with “Lions Club International”. A panel discussion was arranged on “Is leadership gender biased”.
- IEEE WIE VBIT Student Branch celebrated International Women’s Day on 8th March 2011
- The student members of WIE Hyderabad visited the RCI (Research Centre Imarat) Laboratories of the DRDO ( Defence Research and Development Organization) Hyderabad as a part of the student activities.
- The WARANGAL WIE CONGRESS – '11 was conducted as a day long event on the 29th July, 2011 at the Jayamukhi Institute of Technological Sciences (JITS), Narsampet , Warangal.
- IEEE ATRI Computer Society Student Chapter along with IEEE ATRI Student Branch organized “**WIE Awareness talk**” presented by chief guest of the event **Mrs. Madhumita Chakravarti** on 30th July, 2011 at ATRI, Hyderabad alongside 2nd IEEE Computing Colloquium.
- IEEE WIE Student-Teacher Program (4 Times)
- IEEE VBIT WIE STAR Program

#### **Awards and Memberships**

IEEE Hyderabad Section Report-2011: Region 10 Meet, 3-4 March 2012, Kolkata

- IEEE R10, Outstanding Volunteer Award 2011 to Mr NSS Prasad (4<sup>th</sup> Time in a Row)
- 'WIE affinity Group of the Year Award 2011 to Ms. Madhumita Chakraborti
- IEEE Outstanding Leadership Service Award 2011 to Mr. Karthik Siddavaram
- IEEE R-10 Outstanding Branch Counselor Award 2010 to P. Srihari
- 2010 PES High Performing Chapter Program (HPCP)
- Mithun Bhaskar- South Asia GOLD Committee member

#### **Other Volunteer Positions**

- Aditya Rao- IEEE CS- Global Membership development committee
- Dr Koduri Srinivas- Membership Development Chair (India Council)
- Dr. Atul Negi SMC TC member

### **A.2 Financial Report –**

- **Financial Summary for the period 01-Jan-2011 to 31-Dec-2012**  
 Cash @Beginning of the Year: 5,049,277.76  
 Total Receipts: INR 4,388,037  
 Total Expenses: INR 4,983,971  
 Cash @End of the Year: INR 5,216,800

(As per the Bank statements 31<sup>st</sup> Dec 2011, Details will be incorporated in L50)

### **B.1 Membership Development Activities**

- IEEE Hyderabad Section Membership Promotion Campaign at ITsAP- An annual conference of IT companies in the state of Andhra Pradesh, India, to promote IEEE brand and membership.
- Conducted potential volunteers meet before the excom meetings to recruit and engage volunteers in different activities of the chapters/AGs etc

**Total number of active members in the past 3 years:**  
 (Reports as of beginning of each year)

<b>Year</b>	<b>Membership</b>
<b>2010</b>	<b>3703</b>
<b>2011</b>	<b>4043</b>
<b>2012</b>	<b>5883</b>

#### **Senior membership drive:**

- IEEE Hyderabad Section continued senior membership drive in 2010; there are many members who are eligible for Senior Membership in the Section. Nearly **12** members were elevated to SM in 2011.

- Membership development committee conducts regular briefing during technical programs and IEEE gatherings.

## **B.2 Chapter Activities**

- Total number of Chapters in the Section- 6
- Number of Chapters formed in the current year-2
- Number of Active Chapters (Chapters who have reported required number of meetings during the year)-6
- Summary of Chapter activities

### **Computer Society Chapter**

#### **Technical Sessions – Industry:**

- ***Enterprise Search: Issues, Challenges and Opportunities*** by Dr. Vasudeva Varma, Associate Professor, IIIT Hyderabad on **20<sup>th</sup> January 2011** at Oracle, HITEC City.
- ***Cloud Computing: What's next?*** by Mr. Ramesh Loganathan, VP Products & Managing Director, Progress Software India, **30th June 2011** at Oracle, HITEC City.
- ***Project Management 101 - Overview and Certifications*** by Mr. Rahul Dronamraju, Tachyon Communications Inc., **7th July 2011**, Progress Software, HITEC City.
- ***Unmanaged Risk: Why Systems Don't Work***, by Prof. Don Gotterbarn is the Director of the Software Engineering Ethics Research Institute and Professor Emeritus at East Tennessee State University, **28th March 2011**.
- "Workshop on Behavior Driven Development with Ruby on Rails", **BVRIT Campus, 6<sup>th</sup> August 2011**.
- **Securing Web Applications - Tools and Trends**, by Mr. Eric Bing, Senior Director of Application Product Security at Oracle Corp, **17th November 2011**.

#### **Technical Workshops & Colloquiums:**

- 1st 2011 IEEE Computer Society Computing Colloquium, **ATRI, Uppal, 21st January 2011**.
- 1st Workshop on "Web Services: Architectures, Design and Deployment", **SR Engg College, Warangal, 5th March 2011**.
- 2nd Workshop on "Web Services: Architectures, Design and Deployment", **SNIST, Hyderabad, 20th March 2011**.
- 3rd Workshop on "Web Services: Architectures, Design and Deployment", **BITS Pilani, Hyderabad, 26th March 2011**.
- 2nd IEEE CS computing colloquium , ATRI, Uppal, 29-30 July 2011.

#### **2011 IEEE CS Student Officers Meet - Hyderabad (ICSSOM):**

- Held on 16th Oct 2011 at TCS.
- All IEEE CS Student chapter officers and mentors were invited to the meeting, 22 officers benefited.
- Training conducted for the student officers to effectively run CS student chapters.

- 3 student chapters benefited from this program.

**New CS Student Chapters within the section:**

- Aurora Technological Research Institute, Uppal.
- Muffakham Jah College of Engineering & Technology.
- Vignana Bharathi Institute Of Technology.
- Sreenidhi Institute of Science and Technology.
- GITAM University, Vizag.
- SR Engineering College, Warangal.

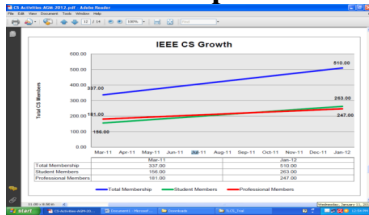
**2011 Report of CS Membership Development Committee:**

.....  
 .....

**Potential CS Student Chapters:**

- GRIET, Hyderabad.
- BITS Pilani, Hyderabad Campus.
- Padmasri B V Raju Institute of Technology.
- DADI Institute of Engineering & Technology.

**CS Membership Growth:**



**Key Supporting Organizations:**



**MTT/AP/EMC Society joint Chapter**

**Seminars #1**

One day Seminar on Recent Technologies in Microwaves (on 12 Mar 2011)  
 (At Institution of Engineers (India) Hyderabad)

**Tutorials #2**

- One day Tutorial on Transmission Lines, Antennas and Microwave Engineering At S R Engineering College Warangal, AP (on 26 Feb 2011)
- One day Tutorial on Antenna and Phased Array Design (10 Sep 2011)  
 At ECE Dept. University College of Engineering, OU, Hyderabad

**PES**

- “Power System Reliability Concepts & Techniques” by Dr.Lalith Goel NTU, Singapore on 29<sup>th</sup> Nov 2011
- National Seminar on Nanotechnology-its Future and Applications in Energy sector at Mahindra Satyam on 26-27 August 2011

IEEE Hyderabad Section Report-2011: Region 10 Meet, 3-4 March 2012, Kolkata

- Tutorial on “Application of Modern Adjustable Speed Drive Systems and Advance Converters for Renewable Energy Systems” at Muffakhamjah Engineering College by Dr.Enjeti Prasad (Texas A&M) on 30<sup>th</sup> July 2011
- Industrial visit of Bharat Heavy Electricals Limited, Ramachandrapuram, Hyd on 23<sup>rd</sup> July 2011
- 

### **Computational Intelligence Society**

- Inaugural Lecture on “Computational Intelligence in Computational Biology” by Prof. Col. Allam Appa Rao, Vice Chancellor – JNTU, Kakinada 6th August, 2011
- Distinguished Lecture on “Making your Fuzzy Rule Based Systems a little more comprehensible” by Prof. Nikhil Pal, ISI Kolkatta Fellow IEEE at University of Hyderabad 6<sup>th</sup> August 2011
- Two Expert Lectures in Computational Intelligence and Computational Biology by Dr. Joby Joseph, CNCS, UoH and Dr. S Bapi Raju, DCIS, UoH University of Hyderabad. Also on 6<sup>th</sup> August 2011.

### **Comsoc/SP Joint Chapter**

#### **Alexander Graham Bell memorial lecture on 3 March 2011**

**Speaker: Dr.Tapan K Sarkar, Professor, IEEE Fellow, Dept. of ECE,Syracuse University,Syracuse, New York, USA, aDirector, MERC**

Title of the lecture : A LOOK AT SOME OF THE PRINCIPLES OF WIRELESS COMMUNICATION FROM A MAXWELLIAN POINT OF VIEW

#### **Technology Management Council (TMC)**

- Technical Talk on “Human Factors in Technology Management” on 20<sup>th</sup> May 2011 by Prof PN Murthy
- Talk on Leadership skills for Surviving & Thriving in Modern Times by MGPL Narayana on 24<sup>th</sup> Dec 2011

## **B.3 Professional and Continuing Education Activities**

### **Program 1:**

- Pre-university Education
  - Rolling out Try Engineering Lessons at schools in Hyderabad city
- Program conducted at AMS Obul Reddy Public School
- Program Overview
  - Two Try Engineering Lessons selected
    - Wind Energy
    - Rotational Equilibrium



- Art & Craft materials for the lessons supplied
- Work shop conducted on 2<sup>nd</sup> December 2011
  - 28 Students of class 10 developed working models
  - 3 Physics Teachers of the school took active part
  - Volunteer Support provided by IEEE GOLD

**Program 2:**

- Mentoring University Student Projects
- Management of Muffkham Jam College of Engineering and Technology volunteered to run the program.
- Projects Identified
  - Building Photovoltaic Solar Power systems of 10/20/30/40kva for college labs and infra structure.
  - Building a 80 liters/day water distillation plant utilizing Solar Thermal technology
  - Energy Audit & Project Proposal for Automation to conserve Energy.
- Progress of the Program 50%

**Program 3:**

- Mentoring Professionals to acquire certification of IEEE Computer Society
  - CSDA
  - CSDP.
- The program did not took off due to lack of recognition/incentives for these certifications

**Program 4:**

- DL Programs for Competency development of work force engaged in Power & Energy Sector.
- The program could not start due to resource constraint.
- We have the intent to pursue this program in Y 2011

**Vizag Bay Subsection Activities**

- 19 March 2011 DL on “Color Imagine Processing – Theory and Applications” by Dr. Bulusu Lakshmana Deekshatulu at Infotech Enterprises.
- 9 April 2011 Technical Talk on “Informatics in Forensic Science – Can We Meet The Challenge ?” by Dr Amit Kumar in Andhra university.
- 28 May 2011 Technical Talk on “Semiconductor Manufacturing, An India Perspective” by Dr. Madhusudan Atre in Andhra university.
- August,2011 Technical Talk on “UI Design From Design To Manufacturing” by Dr. S. Ghosal.
- 10 December 2011 on “Mobile Application Development For iPhone and iPad” by Mr. Gajendran Mani, M G Techno Solutions at Platinum Jubilee Guest House, Andhra

University, Visakhapatnam

### **B.4 Students Activities**

Total number of Student branches in the Section: 90

Number of Student branches formed in the current year (2011): 10

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

- IEEE Section Student Congress Aug. 13th &14th, 2011
- 2. IEEE Zonal Student Congress at Warangal , 15th and 16th October, 2011.(SR Engineering College)
- 3. IEEE Zonal Student Congress at Nellore, 29th and 30th October 2011.( NBKR Institute of Science and Technology).
- Prof. Pathipati Srihari was given outstanding branch counselor award for the year 2010 at R-10
- Students from NIT Warangal won a paper contest
- Prof. Kalim Fathima won outstanding branch counselor award for the year 2011 at R-10

Number of Active Student branches (Student branches who have reported required number of meetings during the year): 30

Summary of Student branch activities student branch wise with attachment table / information

Sl. No.	Name of the student Branch and active student members	Activity
01	Adam's Engineering College-26	Students actively participated in the SSC-12 and connected to the section
02	Andhra Univ College Of Engineering-12	Students presented paper at INDICON-2011 and won best poster Award
03	Aurora'S Engineering College-28 Aurora's Technological & Research Inst -ATRI-75	Students actively participated in the SSC-12 and connected to the section and formed their SBC of IEEE Computer society and few students are GINI Volunteers

04	Birla Inst of Tech & Sci Pilani – Hyderabad-90	Hosted INDICON-2011 and very well connected with the Section also hosted leadership program and many SB activities
05	Chadalawada Ramanamma Engineering College-18	Hosted MT&T one day workshop
06	Dadi Inst of Eng and Tech-24	Their SB Counselor attended IEEE R-10 SC in New Zealand and won R-10 Outstanding SB Counselor Award 2010
07	Devineni Venkata Ramana & Dr Hima Sekhar MIC CIT-10	New SB inaugurated in the year 2011
08	Gandhi Inst Of Tech And Mgmt-58	Recently made active and it has started two SBCs Students actively participated in the SSC-12 and connected to the section <ul style="list-style-type: none"> <li>• IEEE PES SBC</li> <li>• IEEE COM SOC SBC</li> </ul>
09	Gokaraju Rangaraju Inst Of Eng & Tech-137	Very Active SB and send one of their student to the IEEE R-10 SC in New Zealand
10	Guru Nanak Engineering College -19	New SB inaugurated in the year 2011
11	Hyderabad Univ Of - School Of Maths & Comp Sci -16	Connected to the IEEE Hyderabad Section and hosted many section events
12	Jawaharlal Nehru Tech Univ-Hyderabad -35	It has number of students and actively connected to the section
13	Jawaharlal Nehru Technological Univ-Kakinada -10	Hosted two day workshop on GSP-2011 and few other evnets
14	Jayamukhi Inst Of Technological Sciences -108	Hosted WIE Zonal Congress-2011 and very active SB in the section
15	Kakatia Inst Of Tech & Science Kaktia Univ -34	New SB inaugurated in the year 2011
16	Koneru Lakshmaiah College Of Engineering -95	Very Active SB and connected to the Section and hosted many events

17	Lakireddy Balireddy College Of Eng -61	Very Active SB and connected to the Section and hosted many events
18	Malla Reddy College of Engineering for Women -74	IEEE HYD Zonal Woman Congress was held during 13, '14 Aug-2011
19	Muffakhamjah College of Engineering & Technology -135	IEEE HYD Section Student Congress was held during 13-'14 Aug-2011 and won Outstanding Student Branch Award from the section for the year 2011 And also won R-10 Outstanding SB Counselor Award 2011
20	Mvgr College Of Engineering -38	Students participated in the IEEE Xtreme 5.0 on 23 OCT 2011 and well connected to the IEEE Vizag Bay Sub Section
21	National Institute of Technology Warangal -75	won Outstanding Student Branch Award from the section for the year 2011 and also won R-10 UG paper contest and student of IEEE SB are very active in publishing high quality technical papers
22	NBKR Inst Of Tech Vidyanagar/Sri Venkateswar -36	Conducted first ever IEEE Zonal Student congress in Tirupathi Zone held during 29-30 OCT-2011
23	Osmania Univ-College Of Engineering -45	Recently made active and well connected to the section to do many activities
24	Pydah College of Engineering & Technology -15	Students participated in the IEEE Xtreme 5.0 on 23 OCT 2011 and two of the students are connectd to the GINI
25	Pragati Engineering College -19	New SB inaugurated in the year 2011
26	S R Engineering College - Warangal -120	Very Active SB and connected to the Section and hosted many events and also conducted RSPAC-2011

27	Shri Vishnu Engineering College For Women -33	New SB inaugurated in the year 2011 and is going to conduct IEEE R-10 WIECON-2012
28	Sreenidhi Inst Of Science & Tech -98	Very Active SB and send one of their students to the IEEE R-10 SC in New Zealand
29	Usha Rama College of Engineering & Technology -50	New SB inaugurated in the year 2011 and well connected to the IEEE Vizag bay Subsection
30	Vignana Bharathi Inst Of Tech -90	Very Active SB and send one of their students are holding positions as SSR(Section Student Representatives) and it has five SBCs and affinity groups

### **B.5 Affinity Group Activities**

#### **GOLD**

- 19-Jan: One day workshop for Young Faculty of Engineering Institutions on Teaching and Research
- 04-Mar: Research Trends in Computer Science
- 07-May: Teacher In Service Program (TISP)
- 29-May: PSCAD Workshop (jointly with PES)
- 13-Aug: Student Transition Elevation Partnership (STEP)
- 26-Aug: Nanotechnology – Its future and Applications in Energy Sector (jointly with PES)
- 03-Sep: Workshop on TISP at Mylavaram
- 11-Nov: Drupal Camp Deccan

#### **WIE**

- The WIE Congress'11 was conducted as a day long event on the 19th February, 2011 at the Mekaster Auditorium in Osmania University, Hyderabad. More than 300 participants consisting of students as well as professionals participated from all over the state .
- IEEE “Women In Engineering” (WIE) Affinity Group of the Hyderabad Section celebrated 100th International Women's Day at Celebrity Club, Hyderabad on 8th March, 2011 in collaboration with “Lions Club International”. A panel discussion was arranged on ”Is leadership gender biased”.
- IEEE WIE VBIT Student Branch celebrated International Women’s Day on 8th March 2011

- The WIE Affinity Group of IEEE GRIET Student Branch celebrated International Women's Day on 12th March, 2011 at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.
- The student members of WIE Hyderabad visited the RCI (Research Centre Imarat) Laboratories of the DRDO (Defence Research and Development Organization) Hyderabad as a part of the student activities
- The WARANGAL WIE CONGRESS – '11 was conducted as a daylong event on the 29th July, 2011 at the Jayamukhi Institute of Technological Sciences (JITS), Narsampet, Warangal.
- IEEE ATRI Computer Society Student Chapter along with IEEE ATRI Student Branch organized "WIE Awareness talk" presented by chief guest of the event Mrs. Madhumita Chakravarti on 30th July, 2011 at ATRI, Hyderabad alongside 2nd IEEE Computing Colloquium.
- IEEE WIE AG Hyderabad Section organized a two day conference on "Women in Engineering & research opportunities" during 13-14th August 2011 at MREC Campus in association with Malla Reddy Engineering College (MREC) & Malla Reddy College of Engineering for Women (MRCEW)
- The IEEE MJCET Student Branch Inaugurated its WIE Affinity Group on 10<sup>th</sup> November 2011.
- The one day hands on workshop focused on open source testing tool i.e. Selenium and Selenium Architecture / Engine was organized at MJCET on 24<sup>th</sup> December 2011. 32 participants joined the program

**IEEE WIE Student-Teacher Program**

<b>No.</b>	<b>School</b>	<b>Date</b>	<b>No. of Students</b>	<b>Organised by</b>	<b>Purpose</b>
1.	Government High School, Jameelapet.	20.7. 11	102	VBIT	The IEEE Student-Teacher and Research Engineer/Scientist (STAR) Program was developed to address the growing concern that, at a young age, girls are discouraged from careers in mathematics, science, and engineering.
2.	Government High School, Jameelapet.	17.11.11	30	VBIT	
3.	Zilla Parishad high school, Hyderabad	10.12.11	30 6 teachers	Education activity Board, WIE AG GOLD	
4.	Bhaskar Model high school, Hyderabad	8.3.11	50 15 teachers	Education activity Board, WIE AG GOLD	

**B.6 Awards & Recognition Activities**

Award constituted by the section:

- Volunteers are the greatest asset. Recognizing the volunteer services in the forum like AGM is important. To this end, the SEC – 2011 of IEEE Hyderabad Section recognized the volunteers who contributed significantly in the year 2011.
- INDICON 2011 (Flagship National conference of India Council was organized by IEEE Hyderabad Section in the year 2011. Volunteers who contributed were recognized in the form of delivering certificates of appreciation.

- BITS Pilani Hyderabad Campus was conferred as Friend of IEEE Hyderabad Section.
- Best Student Branch Award
  - MJCET and NIT Warangal has been declared as the Best Student Branch Award for 2011-2012.
- 2011 IEEE Hyderabad Section Distinguished Volunteer Service Award
  - IEEE Hyderabad Section introduced Distinguished Volunteer Service Award (DVSA) from the year 2010. Prof. B L Deekshitlu has been conferred with the DVSA from the year 2011 for his everlasting services to IEEE Hyderabad Section.
- Award(s) received from R10
- 2010 IEEE Region 10 Outstanding Volunteer Award to Dr. NSS Prasad
- Award(s) received from IEEE HQ
- Outstanding Branch Counselor & Adviser for the Year 2011 from IEEE to Dr. Kaleem Fathima of MJCET

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

- Newsletter (name and number of issues in the year) Name: *Synapse*  
 Frequency of Publishing: Quarterly (4 issues per year)  
 Format: Portable Document Format (.pdf)  
 Url: <http://ieeehyd.org/newsletter>  
 Frequency of updating: Quarterly (As the issue is released)  
 Editorial Board E-mail: [news@ieeehyd.org](mailto:news@ieeehyd.org)
- Home Page of the section (give the URL and frequency which it is updated)  
<http://www.ieeehyd.org>
- Other means of contacts with section members  
 E notices, drafting letters for the important events.

### **B.8 Community Activities**

- The student members of WIE Hyderabad visited the RCI (Research Centre Imarat) Laboratories of the DRDO (Defence Research and Development Organization) Hyderabad as a part of the student activities.
- Bharat Heavy Electricals Limited (BHEL) Industrial Visit on 23<sup>rd</sup> July 2012

### **B.9 Other Organizational 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.



- Preparing the petition for CAS Chapter

## PART C - OTHERS

### C.1 Relationship with National Societies

IEEE Hyderabad Section collaborates with other national societies time to time to organize joint activities. In 2011 we organized more than 5 such activities with ACM, IETE and IE.

### C.2 Special Events

- IEEE Hyderabad Section celebrated IEEE Day on 7<sup>TH</sup> Oct 2011
- INDICON 2011

This flagship national conference of India council organized by IEEE Hyderabad Section in 2011 facilitated lot of intellectual exchanges, be it in tutorials, workshops, technical sessions, key note addresses, plenary talks or invited talks, special sessions and panel discussions. 37 technical oral sessions and two large dialogue sessions were conducted in all covering around 300 paper presentations in two days. All the sessions were well attended.

This is how IEEE President Gordon Day also described INDICON 2011 in his blog (<http://sites.ieee.org/gday/>) as

*INDICON 2011, the annual conference of the IEEE India Council, organized this year by the IEEE Hyderabad Section. I was joined by IEEE President-Elect Peter Staecker, IEEE Computer Society President John Walz, Tara Wisniewski, Jennie Steinhagen and Harish Mysore of the IEEE Professional Staff, and Noha El-Ghobashy, the President of Engineering for Change, a joint humanitarian venture of IEEE, ASME, and Engineers Without Borders-USA. A number of Indian dignitaries helped open the conference, including His Excellency, E.S.L Narasimhan, the Governor of the state of Andhra Pradesh, who spoke and unveiled the logo and conference souvenirs.*

*The conference took the theme “Engineering Sustainable Solutions” and consisted primarily of about 300 contributed papers, selected from a total of about 2000 submitted. It was held on the Hyderabad campus of BITS Pilani, a private university for science and technology. The program focused primarily on power and energy, communications, and computers, and it was rewarding to hear many, mostly young, Indian engineers vigorously pursuing some of the great quality-of-life issues that engineers have the tools to solve.*

### C.3 Problems to be anticipated

- Branding the All India Student Project Contest
- Conducting programs in the central parts of the city.
- Section office renovation for the meetings and small programm

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

- Collecting feedback at the end of every program
- Use of E-Mail LIST SERVERS of IEEE for frequent communication with the members
- Use of social media such as Twitter and LinkedIn
- Active Students Members (Volunteers) are invited to SEC meetings thus enthusing importance of professional activities and IEEE. IEEE Hyderabad Section introduced Student Representative (SSR) beginning from 2010
- IEEE Hyderabad Section formed a committee (Resource Development Committee, RDC) maintaining a database of volunteers who are interested in delivering technical lectures, tutorials. It helped a lot to quickly identify speakers for events.

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

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

- Formation of CAS Chapter
- Recruiting and Deputing Zone wise Student Activity Coordinators.

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

- Increase Number of Chapters: Hyderabad has potential for 18 more Chapters. Work on creating New Chapters/Joint Chapters.
- Increase the number of Volunteers
- Increase the Professional membership count
- Increase the Industry Participation
- Maintain and Update section/chapter website
- Enhance the communication with IEEE HQs, R-10, India Council and represent the section in global events.
- Continuation of the INDICON 2011 theme “Engineering Sustainable Solutions” as possible track in the subsequent INDICONs or TENCON.