IEEE Hyderabad Section Report – 2011

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

PART A - SECTION SUMMARY

A.1 Executive Summary

<table>
<thead>
<tr>
<th>Position</th>
<th>Volunteer Name</th>
<th>Affiliation</th>
<th>Membership No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairman</td>
<td>MGPL Narayana</td>
<td>Tata Consultancy Services</td>
<td>SM4707865</td>
</tr>
<tr>
<td>Vice-Chairman</td>
<td>Dr. Koduri Srinivas</td>
<td>NRSC Hyderabad</td>
<td>SM41274471</td>
</tr>
<tr>
<td>Secretary</td>
<td>Dr. Amit Kumar</td>
<td>BioAxis DNA Research Centre Pvt Ltd</td>
<td>M90732008</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Maruthi Pathapati</td>
<td>Videntum R&amp;D Pvt Ltd</td>
<td>M41249040</td>
</tr>
<tr>
<td>Member</td>
<td>Kuppa Gopalakrishna</td>
<td>Consultant</td>
<td>M80168118</td>
</tr>
<tr>
<td>Member</td>
<td>Dr. Gunasekhar Reddy</td>
<td>AP Police</td>
<td>SM80362919</td>
</tr>
<tr>
<td>Member</td>
<td>Padmaprabodh Ambale</td>
<td>Oracle</td>
<td>M41344816</td>
</tr>
</tbody>
</table>

Computer Society Chapter

<table>
<thead>
<tr>
<th>Position</th>
<th>Volunteer Name</th>
<th>Affiliation</th>
<th>Membership No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairman</td>
<td>Aditya Rao</td>
<td>Oracle</td>
<td>M41392320</td>
</tr>
<tr>
<td>Vice-Chairman</td>
<td>N Venkatesh</td>
<td>Red Pine Signals</td>
<td>M41506407</td>
</tr>
<tr>
<td>Secretary/Treasurer</td>
<td>Venkataramanan S</td>
<td>Oracle</td>
<td>M90445497</td>
</tr>
</tbody>
</table>

PES/IAS/PESL Society Joint Chapter

<table>
<thead>
<tr>
<th>Position</th>
<th>Volunteer Name</th>
<th>Affiliation</th>
<th>Membership No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairman</td>
<td>T R Rajagopalan</td>
<td>NTPC</td>
<td>M41366623</td>
</tr>
<tr>
<td>Vice-Chairman</td>
<td>Dr. DVSS Sivasarma</td>
<td>NIT – Warangal</td>
<td>SM41597317</td>
</tr>
<tr>
<td>Secretary/Treasurer</td>
<td>S. Appa Rao</td>
<td>APTRANSCO</td>
<td>A90252695</td>
</tr>
</tbody>
</table>

COMSOC/SP Society Joint Chapter

<table>
<thead>
<tr>
<th>Position</th>
<th>Volunteer Name</th>
<th>Affiliation</th>
<th>Membership No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairman</td>
<td>Dr. Deergha Rao Korrai</td>
<td>NERTU, Hyderabad</td>
<td>SM41361764</td>
</tr>
<tr>
<td>Vice-Chairman</td>
<td>Nanda Kishore Chavali</td>
<td>Uurmi Systems</td>
<td>SM41567007</td>
</tr>
<tr>
<td>Secretary/Treasurer</td>
<td>TSN Murty</td>
<td>CBIT, Hyderabad</td>
<td>M90399100</td>
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</table>

MTT/AP/EMC Society Joint Chapter

<table>
<thead>
<tr>
<th>Position</th>
<th>Volunteer Name</th>
<th>Affiliation</th>
<th>Membership No.</th>
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<tbody>
<tr>
<td>Chairman</td>
<td>M Lakshminarayana</td>
<td>DLRL</td>
<td>SM573006</td>
</tr>
<tr>
<td>Vice-Chairman</td>
<td>N Srinivasa Rao</td>
<td>Malla Reddy Engg College</td>
<td>SM85017068</td>
</tr>
<tr>
<td>Secretary/Treasurer</td>
<td>Dr. K. Jaya Shankar</td>
<td>Vasavi College of Engg.,</td>
<td>M40294803</td>
</tr>
</tbody>
</table>

WIE Affinity Group

<table>
<thead>
<tr>
<th>Position</th>
<th>Volunteer Name</th>
<th>Affiliation</th>
<th>Membership No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairperson</td>
<td>Mrs Madhumita Chakravarti</td>
<td>RCI</td>
<td>SM80401554</td>
</tr>
<tr>
<td>Vice-Chairman</td>
<td>Dr. Pushpa Kotipalli</td>
<td>Malla Reddy Institute of Science and Technology</td>
<td>M90100172</td>
</tr>
</tbody>
</table>

GOLD Affinity Group

<table>
<thead>
<tr>
<th>Position</th>
<th>Volunteer Name</th>
<th>Affiliation</th>
<th>Membership No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairman</td>
<td>Padmaprabodh Ambale</td>
<td>Oracle</td>
<td>M41344816</td>
</tr>
<tr>
<td>Secretary/Treasurer</td>
<td>Prashant K V</td>
<td>Videntum R&amp;D Pvt Ltd</td>
<td>M90344834</td>
</tr>
<tr>
<td>Student Activity Chair</td>
<td>P Srihari</td>
<td>Dadi Institute of Technology</td>
<td>M40331354</td>
</tr>
</tbody>
</table>
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 23rd 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. 26th 27th 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
  o Graham Bell Memorial Lecture by Communications society joint Chapter
  o JC Bose Memorial Lecture by MTT Joint Chapter
  o 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 R10, Outstanding Volunteer Award 2011 to Mr NSS Prasad (4th 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 31st 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)

<table>
<thead>
<tr>
<th>Year</th>
<th>Membership</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>3703</td>
</tr>
<tr>
<td>2011</td>
<td>4043</td>
</tr>
<tr>
<td>2012</td>
<td>5883</td>
</tr>
</tbody>
</table>

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.

IEEE Hyderabad Section Report-2011: Region 10 Meet, 3-4 March 2012, Kolkata
• 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 **20th 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, 6th 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 & Colloquia:**
- 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.
- 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 29th 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 30th July 2011
• Industrial visit of Bharat Heavy Electricals Limited, Ramachandrapuram, Hyd on 23rd 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 6th 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 6th 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 20th May 2011 by Prof PN Murthy
• Talk on Leadership skills for Surviving & Thriving in Modern Times by MGPL Narayana on 24th 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

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– Art & Craft materials for the lessons supplied
– Work shop conducted on 2nd 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
  o Building Photovoltaic Solar Power systems of 10/20/30/40kva for college labs and infra structure.
  o Building a 80 liters/day water distillation plant utilizing Solar Thermal technology
  o 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
  o CSDA
  o CSDP.
- The program did not take 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
- 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
- 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

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the student Branch and active student members</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Adam's Engineering College-26</td>
<td>Students actively participated in the SSC-12 and connected to the section</td>
</tr>
<tr>
<td>02</td>
<td>Andhra Univ College Of Engineering-12</td>
<td>Students presented paper at INDICON-2011 and won best poster Award</td>
</tr>
<tr>
<td>03</td>
<td>Aurora'S Engineering College-28 Aurora's Technological &amp; Research Inst -ATRI-75</td>
<td>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</td>
</tr>
</tbody>
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IEEE Hyderabad Section Report-2011: Region 10 Meet, 3-4 March 2012, Kolkata
<table>
<thead>
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<th>No.</th>
<th>Institution Name</th>
<th>Details</th>
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<tr>
<td>04</td>
<td>Birla Inst of Tech &amp; Sci Pilani – Hyderabad-90</td>
<td>Hosted INDICON-2011 and very well connected with the Section also hosted leadership program and many SB activities</td>
</tr>
<tr>
<td>05</td>
<td>Chadalawada Ramanamma Engineering College-18</td>
<td>Hosted MT&amp;T one day workshop</td>
</tr>
<tr>
<td>06</td>
<td>Dadi Inst of Eng and Tech-24</td>
<td>Their SB Counselor attended IEEE R-10 SC in New Zealand and won R-10 Outstanding SB Counselor Award 2010</td>
</tr>
<tr>
<td>07</td>
<td>Devinani Venkata Ramana &amp; Dr Hima Sekhar MIC CIT-10</td>
<td>New SB inaugurated in the year 2011</td>
</tr>
<tr>
<td>08</td>
<td>Gandhi Inst Of Tech And Mgmt-58</td>
<td>Recently made active and it has started two SBCs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Students actively participated in the SSC-12 and connected to the section</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• IEEE PES SBC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• IEEE COM SOC SBC</td>
</tr>
<tr>
<td>09</td>
<td>Gokaraju Rangaraju Inst Of Eng &amp; Tech-137</td>
<td>Very Active SB and send one of their student to the IEEE R-10 SC in New Zealand</td>
</tr>
<tr>
<td>10</td>
<td>Guru Nanak Engineering College -19</td>
<td>New SB inaugurated in the year 2011</td>
</tr>
<tr>
<td>11</td>
<td>Hyderabad Univ Of - School Of Maths &amp; Comp Sci -16</td>
<td>Connected to the IEEE Hyderabad Section and hosted many section events</td>
</tr>
<tr>
<td>12</td>
<td>Jawaharlal Nehru Tech Univ-Hyderabad -35</td>
<td>It has number of students and actively connected to the section</td>
</tr>
<tr>
<td>13</td>
<td>Jawaharlal Nehru Technological Univ-Kakinada -10</td>
<td>Hosted two day workshop on GSP-2011 and few other events</td>
</tr>
<tr>
<td>14</td>
<td>Jayamukhi Inst Of Technological Sciences -108</td>
<td>Hosted WIE Zonal Congress-2011 and very active SB in the section</td>
</tr>
<tr>
<td>15</td>
<td>Kakatia Inst Of Tech &amp; Science Kaktia Univ -34</td>
<td>New SB inaugurated in the year 2011</td>
</tr>
<tr>
<td>16</td>
<td>Koneru Lakshmaiah College Of Engineering -95</td>
<td>Very Active SB and connected to the Section and hosted many events</td>
</tr>
<tr>
<td>17</td>
<td>Lakireddy Balireddy College Of Eng -61</td>
<td>Very Active SB and connected to the Section and hosted many events</td>
</tr>
<tr>
<td>18</td>
<td>Malla Reddy College of Engineering for Women -74</td>
<td>IEEE HYD Zonal Woman Congress was held during 13-14 Aug-2011</td>
</tr>
<tr>
<td>19</td>
<td>Muffakhamjah College of Engineering &amp; Technology -135</td>
<td>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</td>
</tr>
<tr>
<td>20</td>
<td>Mvgr College Of Engineering -38</td>
<td>Students participated in the IEEE Xtreme 5.0 on 23 OCT 2011 and well connected to the IEEE Vizag Bay Sub Section</td>
</tr>
<tr>
<td>21</td>
<td>National Institute of Technology Warangal -75</td>
<td>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</td>
</tr>
<tr>
<td>22</td>
<td>NBKR Inst Of Tech Vidyanagar/Sri Venkateswar -36</td>
<td>Conducted first ever IEEE Zonal Student congress in Tirupathi Zone held during 29-30 OCT-2011</td>
</tr>
<tr>
<td>23</td>
<td>Osmania Univ-College Of Engineering -45</td>
<td>Recently made active and well connected to the section to do many activities</td>
</tr>
<tr>
<td>24</td>
<td>Pydah College of Engineering &amp; Technology -15</td>
<td>Students participated in the IEEE Xtreme 5.0 on 23 OCT 2011 and two of the students are connectd to the GINI</td>
</tr>
<tr>
<td>25</td>
<td>Pragati Engineering College -19</td>
<td>New SB inaugurated in the year 2011</td>
</tr>
<tr>
<td>26</td>
<td>S R Engineering College - Warangal -120</td>
<td>Very Active SB and connected to the Section and hosted many events and also conducted RSPAC-2011</td>
</tr>
<tr>
<td>27</td>
<td>Shri Vishnu Engineering College For Women -33</td>
<td>New SB inaugurated in the year 2011 and is going to conduct IEEE R-10 WIECON-2012</td>
</tr>
<tr>
<td>28</td>
<td>Sreenidhi Inst Of Science &amp; Tech -98</td>
<td>Very Active SB and send one of their students to the IEEE R-10 SC in New Zealand</td>
</tr>
<tr>
<td>29</td>
<td>Usha Rama College of Engineering &amp; Technology -50</td>
<td>New SB inaugurated in the year 2011 and well connected to the IEEE Vizag bay Subsection</td>
</tr>
<tr>
<td>30</td>
<td>Vignana Bharathi Inst Of Tech -90</td>
<td>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</td>
</tr>
</tbody>
</table>

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

IEEE Hyderabad Section Report-2011: Region 10 Meet, 3-4 March 2012, Kolkata
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 10th 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 24th December 2011. 32 participants joined the program.
### IEEE WIE Student-Teacher Program

<table>
<thead>
<tr>
<th>No.</th>
<th>School</th>
<th>Date</th>
<th>No. of Students</th>
<th>Organised by</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Government High School, Jameelapet</td>
<td>20.7.11</td>
<td>102</td>
<td>VBIT</td>
<td>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.</td>
</tr>
<tr>
<td>2.</td>
<td>Government High School, Jameelapet</td>
<td>17.11.11</td>
<td>30</td>
<td>VBIT</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Zilla Parishad high school, Hyderabad</td>
<td>10.12.11</td>
<td>30</td>
<td>Education activity Board, WIE AG GOLD</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Bhaskar Model high school, Hyderabad</td>
<td>8.3.11</td>
<td>50</td>
<td>Education activity Board, WIE AG GOLD</td>
<td></td>
</tr>
</tbody>
</table>

### 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 20011-2012.
• 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 20011 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](http://ieeehyd.org/newsletter)
  Frequency of updating: Quarterly (As the issue is released)
  Editorial Board E-mail: 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 23rd 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 7TH 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 or 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.