IEEE computer society

Hyderabad Chapter

IEEE Computer Society
Hyderabad Chapter
IEEE Hyderabad Section

Consolidated Annual Report 2010

Hyderabad Chapter Office Bearers
Mr. Aditya Rao [Chair, a.rao@computer.org]
Mr. Niranjan Hanasonge [Vice-Chair, nhanasoge@gmail.com]
Mr. S. Venkataramanan [Secretary, venkat@ieeehyd.org]

Editors
Mr. S. Venkataramanan [venkat@ieeehyd.org]
Mr. Rammanohar Sharma [rammanohar_sharma@yahoo.co.in]

Contents

From the Chairman's desk

On the onset let me wish you a happy and a prosperous new year.

2010 has been very exciting and productive year for IEEE Computer Society, Hyderabad Chapter. We have been very successful in meeting the objectives that we set for ourselves, when we were handed over the mantle in early 2010. IEEE CS Chapter members and officers met on 30 occasions as summarised by Chart 1 [Pg 2]. We were able to implement a series of Industrial talks consistently over the entire year and the feedbacks received have been very positive. The flagship event introduced this year; aptly titled "IEEE Computing Colloquium" was well received, and helped IEEE reach out to multiple geographical locations in Andhra Pradesh.

The IEEE Computing Colloquiums have primarily focused on contemporary topics in the computing realm with an intention to enthuse the students and young professionals. Technical areas like Distributed and large scale computing, Web & Semantic Technologies, Technologies for the Enterprise and allied fields were covered in the colloquiums. In addition to technical sessions, the computing colloquiums have provided brief insights into the computing industry and helped develop professional skills required/necessary to stay competitive.

I would like to thank the Section Executive Committee, IEEE Hyderabad Section for having been very supportive and instrumental in making all these activities happen. I would like to thank our Hyderabad Chapter Office Bearers Mr. S. Venkataramanan, Secretary and Mr. Niranjan Hansoge, Vice-Chair for having played a pivotal role in our success in 2010. I would also like to thank all our excellent speakers, who volunteered with their precious time by interacting in their area of expertise which benefited the entire Computing community. Finally all this would not have been possible without willing organizations and proactive educational/research institutions coming forward to co-host our activities. I encourage you to please visit our website http://cs.ieeehyd.org for a comprehensive list of venues and co-hosting organizations.

This report is divided into four parts with first part giving a statistical overview of activities through the year, second part consists of reports on various industrial talks we organized followed by a third part on student related activities. Part four provides a summary of the All-India IEEE CS meet held at Hyderabad with TCS as our hosts.

We are very eager to receive your feedback and suggestions on all our activities. Please feel free to drop me a note at a.rao@computer.org.

Aditya Rao
Chair, IEEE Computer Society, Hyderabad Chapter

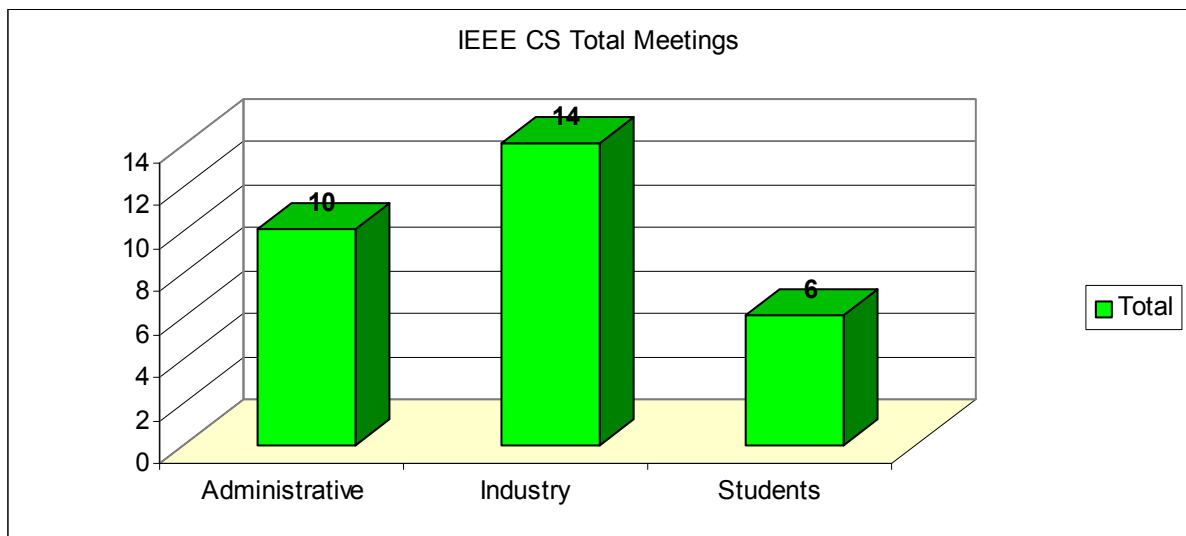# Part I. Summary statistics on Events and Participation

Chart 1: Total meetings for 2010
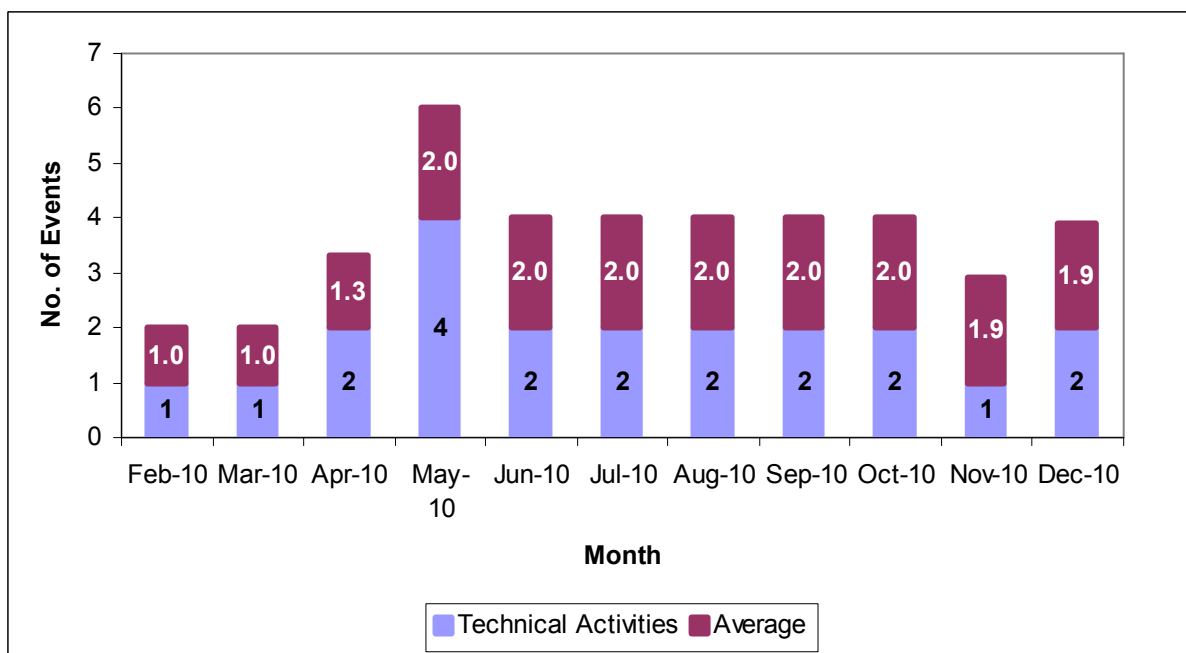
Chart 2: Average meetings for 2010
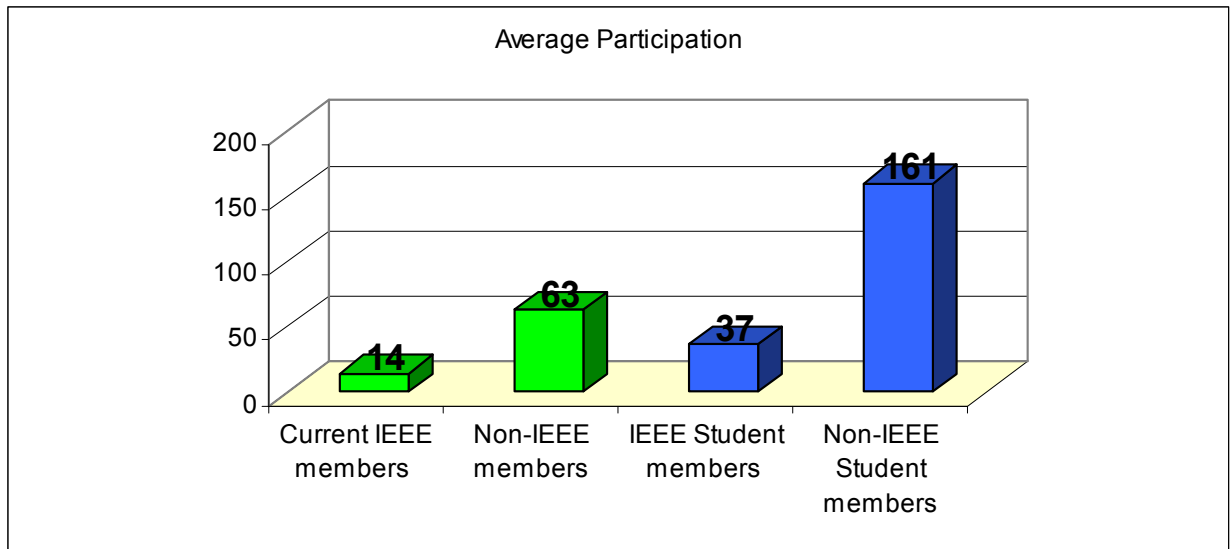
Chart 3: Average IEEE/Non-IEEE participation for 2010
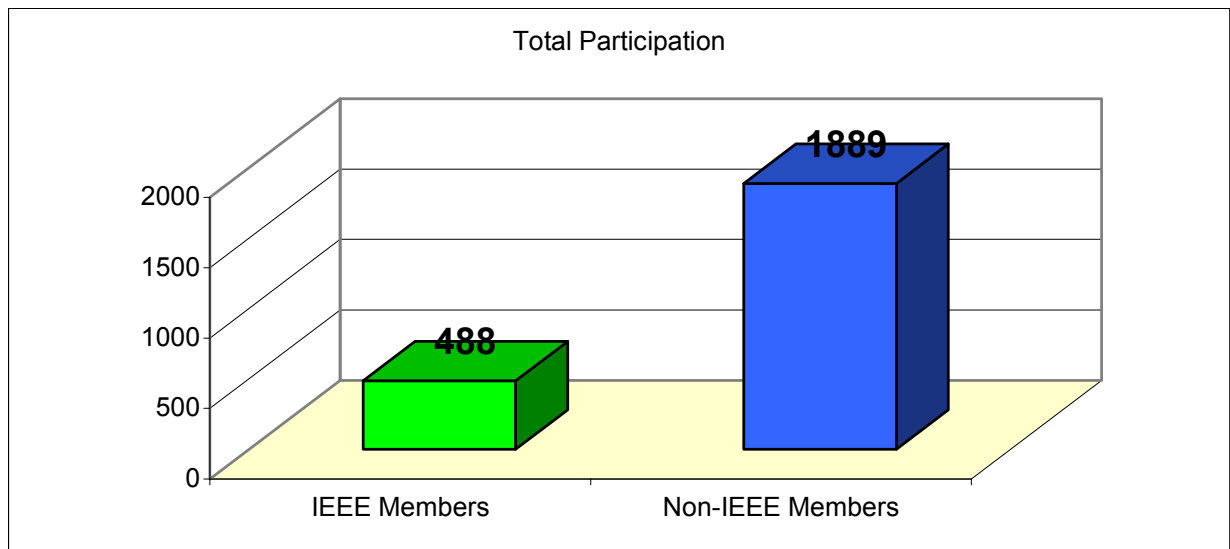
Chart 4: Total participants for 2010

Part II. Industry Related Activities

Applying Computer Science and Software Engineering to Software of eLearning Systems, 18th Feb 2010.

Prof. Kesav Nori of IIIT, Hyderabad delivered a talk on "Applying Computer Science and Software Engineering to Software on E-learning Systems" on 18th February, 2010 at Tata Consultancy Services, Deccan Park, Madhapur, Hyderabad. Prof. Nori briefly spoke on the current trends of the E-learning software quoting an unsaid premise in e-learning software that presently, testing is done through multiple-choice questions and Teaching is generally through one-way transfer of knowledge, mostly using multimedia aids.

He later tried to prove that the above said premise is just a misconception by presenting a case wherein a different approach was used. The case mostly concentrated on an idea of software components, reuse, software product lines and software manufacture. He stated that once the key aspects of the case are captured and understood, we turn towards a proposed platform for technological support for e learning, pointing out that this has been partly realized in our attempts to serve the cause Adult Literacy in India. He concluded his lecture trying to guess the shape of this remaining part of the work, trying to correlate them with the existing ideas in software engineering.

Prof. Nori addressing the gathering on "Applying Computer Science and Software Engineering to Software on E-learning Systems" on 18th February, 2010 at TCS, Hyderabad.

Technologies for Enterprise Applications, Now & Future, 1st April 2010

A talk on **"Technologies for Enterprise Applications, Now & Future"** was organized by IEEE Computer Society Chapter, Hyderabad Section on 1st April 2010, 1800hrs – 1900hrs. Mr. Nagaraj Srinivasan, Vice President, Supply Chain Development, Oracle Corporation delivered the talk. Oracle cosponsored the event by hosting this talk at their campus in Hitec City, Madhapur

Mr. Nagaraj started with the evolution of Enterprise applications from late 1970s to 2010 and the significant domain and value it has created. He later touched upon on how technology has shaped the enterprise domain and shortcomings of why the enterprise has been slow to live up to the "bleeding edge" progress in technology.

Mr. Nagaraj then elaborated on some of the key technology paradigms that drive the enterprise applications, which include Service Computing & Web Services, Web 3.0, Semantic Technologies, Social Computing, Ultra Large Scale Computing, Virtualization & Cloud Computing, SaaS, OLAP & Data Warehousing, Middleware technologies and Web Servers, Mining Technologies and Intelligence, Hardware infrastructure and how it is helping scale computing in the applications domain. Later he touched upon the visualization technologies and how they have helped the enterprise make excellent progress in the presentation layer. Nagaraj also spoke about future opportunities in the Enterprise domain and how start-ups can cash upon the new and interesting opportunities.

Mr. Nagaraj Srinivasan during the talk

Talks on Software Quality Engineering, 27th April 2010

IEEE Computer Society Chapter, Hyderabad Section and Google India collectively hosted a series of talks on 27th April 2010 titled "Software Quality Engineering: UI Latency Testing, Evolution of Software Quality & Advances" at the Google Campus, HITECH City, Hyderabad. The event saw a participation of over 130 participants from the Software Quality background.

First talk of the evening was delivered by Mr. Sujay Sahni, APAC Region's Director for Engineering Productivity, Google on "Introduction to Test Engineering at Google". Followed by the talk on "The Google Way: UI Latency Testing" by Mr. Jagdish Babra, Test Manager for Orkut, Google. The final talk of the evening was on "Evolution of Software Quality" by Mr. Srikanth Krishnan, Sr. Director for Quality Assurance, E-Business Suite, Oracle.

The event proved to be a networking platform for the participants from various Software firms such as Applabs, Microsoft, Oracle, Infosys, Wipro, Sierra Atlantic and

Mr. Sujay Sahni talking on Introduction to Test Engineering at Google.

GE.

Bioinformatics: Unique Discipline with New Challenges, 1st May 2010

IEEE Computer Society Chapter, Hyderabad Section with support from Tata Consultancy Services, Hyderabad organized a talk on "Bioinformatics: Unique Discipline with New Challenges" by M W Pundit, Consultant at the Center for Cellular and Molecular Biology (CCMB), Hyderabad on 1st May, 2010 at TCS Conference Hall, KLK Building, Basheerbagh. The talk mostly comprised on how a scientific discipline – known as 'bioinformatics' – has arisen that fuses biology with mathematics and computer science which focuses on accessing, retrieving and analyzing the information extracted from the biological data and DNA sequence data in particular due to the increased activity of genome sequencing of other organisms.

Dr. Pundit also spoke on handling challenging issues like Complexity, redundancy management, integration and interpretation of such a large volume of data. He also spoke on how determining the 3-D structure of the protein is crucial to understand the function of the protein which in turn provides the necessary information regarding the DNA sequence and other biological data of the organism. He concluded the talk saying that the functional genomics, which will ultimately be helpful in understanding how the organism functions and survives, are some of the areas where bioinformatics is contributing significantly and the Rational design or modification of proteins for new, hitherto unknown functions is going to be probably the greatest challenge for bioinformatics in next millennium.

Dr. Pundit delivering a talk on Bioinformatics at the TCS Conference hall, KLK Building.

Cloud Computing 101 – Talks on Cloud Computing Paradigm, 6th May 2010

IEEE Computer Society Chapter, Hyderabad Section organized a series of lectures titled "Cloud Computing 101" on 6th May 2010 at Oracle Campus, Hyderabad. The event comprised of two talks *Cloud Computing and Google Apps* by Mr. Niranjan Hanasoge, Google India and *Dimensions of Virtualizations in the Cloud* by Mr. Ramesh Loganathan, Progress Software India.

Mr. Niranjan Hanasoge in his talk spoke about Cloud Computing and how it is changing the face of computing, as we know it. The talk summarized over some of the technologies and applications, such as Google Apps, that has made this possible. Consumers have enthusiastically adopted it and there are clear benefits to businesses, but it is not without challenges – the talk provided summary insights into some of these factors as well.

Mr. Ramesh Loganathan in his talk touched upon various aspects and attributes of virtualization, ranging from hardware, OS, application platforms, applications (SaaS), Soft resources (like users and services). The talk concluded by discussing the need, abstractions, provisioning and application usage considerations.

This talk laid out reference architecture for Cloud computing enterprise application, explaining the key components and concepts in this architecture and providing specific examples to clarify. The talk also identified challenges faced by practitioners in implementing the reference architecture and offers practical solutions to these challenges

Mr. Niranjan Hanasoge from Google

Mr. Ramesh Loganathan, VP, Progress Software

Semantics and Ontologies in the Enterprise, 20th May 2010

IEEE CS Chapter, Hyderabad Section organized a talk on Semantics and Ontologies in the Enterprise by Mr. Kesava Rangarajan on 20th May 2010 at the Oracle Campus, Madhapur. He told that the semantic enterprise architecture effectively employs the languages and standards of the semantic Web, including RDF, RDFS, OWL, SPARQL and others, to integrate existing information assets employing the best practices of linked data while adhering to the open world assumption.

He mentioned that the application areas include data federation, data warehousing, search, enterprise information integration, business intelligence, competitive intelligence and knowledge representation. Mr. Rangarajan also stated that the semantic enterprise architectures enable loosely coupled, distributed systems that can grow and interoperate in a decentralized manner.

This talk laid out reference architecture for semantic enterprise application, explaining the key components and concepts in this architecture and providing specific examples to clarify. The talk also identified challenges faced by practitioners in implementing the reference architecture and offers practical solutions to these challenges

Mr. Keshava Rangarajan, Architect, Oracle Corporation

Natural Sciences and Computation- An overview, 27th May 2010

IEEE CS Chapter Hyderabad Section organized a lecture titled *Natural Sciences and Computation – An Overview* by Dr. Harjinder Singh on 27th May 2010 at the University of Hyderabad. Dr. Singh mentioned that most students of computer science take science as a mandatory bit of curriculum that has to be dealt with to fulfil requirements for a degree and proceeded to present that nothing of significance in today's CS/IT knowledge domain exists without an origin in science or needs of scientists. He also stated that computation in all its varieties is a human activity that is part of a method of exploration that the human mind is endowed with right from birth and this method of questioning forms the core of science and there is a symbiotic relationship between science and computational theory and technology.

He discussed the current status of computational sciences, the different dimensions and areas of research and developments, e.g., in biosciences, nanosciences, dynamical and reactive molecular processes, etc. He spoke about the role of high power computing and massive information storage capabilities on the progress of frontier level questions in sciences and the impact of such developments in turn on the progress in computer technology. He considered both the hardware development at the cutting edge, namely nanoelectronics and the onset of new paradigms of computing, namely quantum computing and DNA computing while relating natural science and computation. Dr. Singh concluded the talk emphasizing the need for greater collaboration between practicing scientists and computer scientists for concerted efforts in frontier areas of scientific research today.

(l to r) Mr. Venkat, Mr. Aditya, Prof. Harjinder, Mr. Narayana, Mr. Niranjan

Energy Efficient Wireless Communication in Battery operated Devices, 10th June 2010.

Mr. Amiya Mishra (left) presenting a memento to Mr. N Venkatesh.

IEEE CS Chapter Hyderabad Section with support from Qualcomm India Pvt Ltd organized a technical talk on *Energy Efficient Wireless Communication in Battery-operated Devices* by Mr. N Venkatesh, Vice President of Advanced Technologies, Redpine Signals on 10th June 2010 at the Qualcomm India Pvt Ltd, Madhapur. Mr. Venkatesh during his talk mentioned that a vast array of devices and equipment – computers, electronic gadgets, household appliances, industrial equipment, medical instruments, sensors and monitors, among many others – need to communicate with not only human operators but also with other devices, often forming a large network and also mentioned that some call this "Internet of Things". He mentioned that there are several protocols and methods used for these purposes, and designers of these devices integrate an appropriate method and also that all battery-powered devices, however, strive to achieve 'low power' operation in all areas, and this includes subsystems that carry out wireless communications. In the field of hardware design, specifically chip design; there is a major thrust operation on low power implementations. He stressed on the point that the key feature required in these devices is low battery-drain – or 'low energy'

The talk mostly described how the implementation of communication systems can focus on energy efficiency and discusses some popular misconceptions that prevent optimal battery life. He explained some of the key concepts involved in reliably sending data across from one device to another, and how designers can benefit from an 'energy oriented' way of optimizing their offerings. . In particular, this talk used the example of 802.11 Wireless LAN to show how wireless transport subsystems can be created for low energy operation.

Business Intelligence-Current Trends and Advances, 19th August 2010.

IEEE Computer Society Chapter, Hyderabad Section in association with Avishkar, an innovation centric virtual group at Oracle with support from Oracle India organized a technical talk on **Business Intelligence – Current Trends and Advances** by Mr. Ramkrishna Chinta, BI Consultant on 19th August, 2010 at Oracle Campus, Madhapur, Hyderabad.

The talk mainly focused on the advances that Business Intelligence made in recent times, and the progress in segments of BI like the technologies supporting BI such as Data Warehousing Architectures, Interactive Visualization techniques, etc. He also spoke on futuristic view of tools and techniques in providing forecasting and mining algorithms for dependable predictive analysis clubbed with the advances made by the BI.

Half-day Seminar, Patenting and IPR in the Software Realm, 4th September 2010

IEEE Computer Society Chapter, Hyderabad Section in association with Confederation of Indian Industry (CII) and Andhra Pradesh Technology Development & Promotion Centre (APTDC) organized a half-day seminar on **Patenting and IPR in the Software Realm** on 4th September 2010 at CII Shorabji Godrej Green Business Centre, HITECH city.

The talks primarily focussed on the basics of Intellectual Property and its relationship to Software and how it impacts the overall innovation space, the seminar also touched upon IP as a Strategic Management tool, which is critical to stay competitive in the fiercely aggressive and competitive knowledge industry of ours. Mr. Uppuluri Srinivas, Vice President, Geospatial Technology Solutions, Infotech Enterprises Limited spoke on "Intellectual Property and Software Issues". Mr. K Subodh Kumar, Head & Principal Counsellor, CII APTDC Hyderabad spoke on IP as a Strategic Management Tool.

Mr. Aditya Rao introducing the speakers at the CII Conference Hall.

Web Navigation: Cognitive Modelling and Navigation Support, 4th October 2010.

Hyderabad ACM Chapter in association with IEEE Hyderabad CS Chapter organized a lecture titled Web Navigation: Cognitive Modelling and Navigation Support by **Dr. Herre van Oostendorp**, leader of the Cognition and Communication group of the Department of Information and Computing Sciences at Utrecht University, Netherlands at Progress Software Development Pvt. Ltd., iLabs, Hyderabad on 4th October, 2010.

The talk mostly concentrated on several cognitive models that use information scent to account for the navigation behaviour of users, the validity of these models and an empirical study demonstrating the positive impact of navigation support generated on basis of the cognitive model.

Cloud Computing: Integrating Existing It Infrastructures into Modern Clouds, 18th November 2010.

A talk on Cloud Computing: Integrating Existing IT Infrastructures into Modern Clouds"by Dr. Prasad Saripalli, Vice-President (Product Development) at Runaware was organized Oracle Campus on 18th November 2010.

The talk focussed on how cloud computing will lead to major, transformational changes across the industry, and 2010 and 2011 would be the tipping point. Dr. Prasad indicated how modern cloud platforms hold a great promise to offer computing and UT as a service faster and cheaper to the Enterprise and SMBs. However, he said, the Enterprise and SMBs today comprise of legacy systems and platforms, and legacy applications of significant complexity. This represents a major financial and engineering investment in the industry.

Global Technology Outlook and Excitement of Research and what it means to have a Technology Career – A joint initiative with GOLD, 9th December 2010

IEEE Hyderabad CS Chapter in association with the IEEE Hyderabad GOLD AG organized a talk on Global Technology Outlook 2010 followed by an interactive session on Excitement of Research and what it means to have a Technology Career both by Dr. C Mohan, Fellow IBM, ACM and IEEE at Lamaakan, Banjara hills, Hyderabad. GTO highlighted emerging software, hardware, and services technology trends that are expected to significantly impact the IT sector in the next 3-7 years. In particular, the GTO identified technologies that may be disruptive to an existing business, have the potential to create new opportunity, and can provide new business value to customers. The 2010 GTO focused on six topics: Workload Optimized Systems, Wireless/IT Convergence, Software Technology Trends, Orchestrating the Smart Planet, Healthcare Transformation and Future of Legacy

During the interactive session, Dr. Mohan shared his technical journey through IBM and answered queries posed by the participants on various aspects related to research and technical moulding of oneself. After the talk, an informal dinner was arranged at Hotel Shanbagh for the IEEE GOLD and IEEE Hyderabad CS Chapter volunteers, which provided a networking platform to the volunteers to get to know each other better.

Part III. Student Events

1st IEEE Computer Society Computing Colloquium, NIT Warangal, 27th March 2010.

Computer Society Chapter, IEEE Hyderabad Section organized a series of talks under the banner of "Computing Colloquium" at NIT Warangal on 27th March, 2010. As a part of the colloquium, Dr. DVSS Siva Sarma spoke on "IEEE Student Membership – Administration of student Branches". Mr. Padmaprabodh Ambale delivered a lecture on "Web Application Development" and "Benefits on IEEE". Mr. Niranjan Hanasoge enlightened the participants on "Cloud computing and Google applications" and on the Benefits of being a part of the IEEE Computer Society followed by Mr. Saurabh Nasa's talk on "Gmail Testing" to conclude the Colloquium event.

The event extended into a STEP programme in the post-lunch session, in which Mr. B Satyam spoke on "Entrepreneurship as a career path" followed by Mr. Niranjan Hanasoge's talk on "Transition from student life to professional life and Professional Development". Nearly over 250 students from various colleges in the Warangal and Hyderabad Zones attended the event.

2nd IEEE Computing Colloquium, DIET ANAKAPALLI, Vizag dist, 17th June 2010.

IEEE Computer Society Chapter, Hyderabad Section in association with the IEEE Student Branch of Dadi Institute of Engineering & Technology, Anakapalli organized the 2nd IEEE Computing Colloquium at Anakapalle, Vizag Dist.

The IEEE Computing Colloquium primarily focused on contemporary topics in the computing realm with an intention to enthuse the student and the young professional community alike in interesting areas like Distributed and large scale computing, Web & Semantic Technologies, Technologies for the Enterprise and allied fields.

In addition to technical sessions, the computing colloquiums have been focused on also providing brief insights into the computing industry and professional skills development to stay competitive. The talks on 17th July included Semantic Web and Web 3.0 – A preview by Mr. Aditya Rao, Manager, Oracle India & Chair, IEEE Computer Society Chapter, Hyderabad Section, Cloud Computing & Google Apps, by Mr. Niranjan Hanasoge,

Software Engineer, Google India & Vice-Chair, IEEE Computer Society Chapter, Hyderabad Section and Building a successful career in Software – A real-world perspective by Mr. Sanjay Singh, Vice President of Engg at Rofous Software.

Mr. Sanjay Singh, Mr. Niranjan Hanasoge and Mr. Aditya Rao at the 2nd Computing Colloquium at DIET, Anakapalle, Vizag dist.

Career Talk: Building a Successful Career in Software – A Real-World Perspective, 29th August 2010

IEEE Computer Society Chapter along with Computer Society of India, Hyderabad Chapter organized a half day seminar titled Building a successful career in Software - A real-world perspective with a key focus on graduating students. This was a joint initiative by IEEE CS and CSI Hyderabad as a part of its joint Community focused initiatives. Mr. Sanjay Singh, Vice President, Technology, Rofous Systems; Mr. Aditya Rao, Chair IEEE Computer Society and Prof. Sai Kumar, Head, IPE spoke on that day about 100 engineering students from across Hyderabad participated in this very unique event. The event was held at the CSI office premises at Secunderabad.

3rd IEEE Computing Colloquium, BITS-Hyderabad, 25th September 2010.

The IEEE Computer Society Chapter, Hyderabad Section in association with the BITS Pilani, Hyderabad Campus organized a half-day computing colloquium on 25th September, 2010 at the BITS-Pilani, Hyderabad Campus. The colloquium comprised of a well-balanced list of eminent speakers from various trust areas.

Mr. Ramesh Loganathan, MD & VP, Progress Software, India, talked about "Responsive Process Management- beyond just SOA & BPM". He presented a few ideas on how Progress Software has been looking at ways to enable enterprises to be operationally responsive- which is a critical business requirement these days in the highly competitive and global market plays. He talked about Responsive Process Management (RPM), a new paradigm announced by Progress as an approach enabling operational responsiveness much beyond what just SOA or BPM or CEP may offer.

He discussed about how, each of these technologies by themselves do help enterprises be operationally responsive- SOA enables agile automated processes and enterprise integration thru well defined business services, BPM enables automated business flows and human decision workflows and CEP enables sophisticated decision making via detecting and correlating business events and event patterns. They do not always mimic present state of enterprises. They need re-engineering to realize the operational responsiveness that they enable. He said that RPM enables businesses to monitor all relevant business events as they occur, wherever they occur, internally or externally; analyse these events in real time, using prescribed business criteria to identify opportunities, inefficiencies, and risks; visualise key business indicators on real time dashboards; respond to capitalise on opportunities, increase efficiency, and reduce risk by alerting decision-makers to important business events, performing automated actions and initiating response processes.

The next session was by Mr.Aditya R Rao, Chair, IEEE Computer Society Chapter, Hyderabad Section. He presented a clear picture on "IEEE & IEEE Computer Society – Benefits & Student Initiatives". He also emphasized on the benefits of starting a new Computer Society club in BITS-Pilani, Hyderabad Campus.

The last session was by Mr.Narasimhan Agaram, Senior Staff Engineer, Qualcomm India Pvt. Ltd. Mr. Narasimhan discussed in detail the advancement of Linux as an open source operating systems and touched upon the Qualcomm initiatives in this regard. He also gave an overview of Qualcomm's contributions in the field of Android Mobile OS.

The computing colloquium threw open a new set of challenges and ideas before the enthusiastic students of BITS-Pilani, Hyderabad Campus. The session on linux and android got a very good response inspiring the young engineers to take up challenging projects in the area.

Mr. Narasimhan Agaram speaking at 3rd Computing Colloquium at BITS, Pilani, Hyderabad Campus

4th IEEE Computing Colloquium, BVRIT-Narsapur, 9th October 2010

The IEEE Computer Society Chapter, Hyderabad Section in association with the Padmasri Dr.B.V.Raju Institute of Technology [BVRIT], Greater Hyderabad Campus organized a One-day computing colloquium on 9th October, 2010 at the BVRIT-Narsapur, Campus. The colloquium comprised of a well-balanced list of eminent speakers from various trust areas. Dr.Prasad Saripalli, Vice President, Runaware Systems, India, talked about "Virtualization". He presented a few ideas on how Cloud Computing Works? And he delivered talk on How does a Virtual Computer work in the cloud and on your Desktop?

The next session was by Mr. Alosh Bennett, Project Leader, Oracle India Pvt Ltd.Mr. Alosh discussed about the Programming Methodologies and how to develop good programmes and he also discussed about Programming Techniques.

The next session was by Dr.Atul Negi, Associate Professor, Department of Computer and Information Sciences, University of Hyderabad. Dr. Negi presented a few ideas on ""The Excitement of AI and Computational Intelligence". He discussed about how AI used in recent trends.

The last session was by Mr.Aditya R Rao, Chair, IEEE Computer Society Chapter, Hyderabad Section. He presented a clear picture on "IEEE & IEEE Computer Society – Benefits & Student Initiatives". He also emphasized on the benefits of starting a new Computer Society club in BVRIT, Narsapur, Hyderabad Campus.

Mr. Niranjan Hanasoge was also present, Vice Chair of the Hyderabad Chapter of IEEE Computer Society, and the Secretary and a founding member of the Hyderabad ACM Chapter. He was also explained about the IEEE Computer Society benefits.

Organizers of the colloquium at BVRIT, Narasapur.

5th IEEE computing colloquium, NBKRIST-Nellore, 11th December 2010

The 5th IEEE Computing Colloquium commenced at NBKRIST, Nellore in grand manner seeing participation from about 180 students from various student branches and years. The guests were introduced were introduced by the Mr. Niranjan Hanasoge, vice-chair, IEEE Hyderabad CS Chapter and the remaining function was presided by the Principal, NBKRIST.

Following the inauguration was a talk by Mr. N Venkatesh, Vice president of Advanced Technologies, Redpine Signals on Battery Operated Communication Systems. A talk on Cloud Computing by Mr. Niranjan Hanasoge of Google India followed Mr. Venkatesh's talk

The post lunch session comprised of a presentation on artificial intelligence and neural network based optimization techniques by Prof. Suarampudi Bapi Raju followed by Mr. Aditya Rao of Oracle and Chair, IEEE Hyderabad CS chapter enlightening the students on mind set and approach a student must have while appearing for an interview.

At the IEEE CS sponsored Computing Colloquium at NBKRIST, Nellore.

(l to r) Principal of NBKRIST, Mr. Niranjan Hanasoge, Mr. Aditya Rao, Mr. N Venkatesh, Prof. Bapi Raju and Mr. Nagi Reddy, Branch Counsellor, NBKRIST-IEEE Student Branch

Part IV. Training Activities

IEEE CS R10(India) Training for CS Chapters Officers, 20th November 2010, TCS-Hyderabad

The IEEE CS R10 (India) Training for CS Chapters was held on 20th November, 2010 at TCS office, KLK Building, Basheerbagh, Hyderabad as a part of a pilot programme to train the CS Chapter leaders across the Region to enhance membership services delivery. The other region that participated in the pilot programme was Region 1.

The event started off on schedule at 10:00 am after coffee and snacks were served at the meeting hall. Some participants joined somewhat late on account of delayed flights, trains and buses. By 11:00 am, all the participants were able to join in. There were a total of 20 participants (including trainers), and the full list is provided in Appendix 1 (page 25). After welcome by Satish, and an introduction to the event by the Session Chair, SV Sankaran, the participants introduced their Chapter and Chapter Activities. This took about 45 minutes to complete. The participants were very interested in the activities conducted by other Chapters, and listened with interest.

SV Sankaran started the first session on the basics of IEEE and IEEE CS. Many participants were unaware of these basics, especially the students. The audience had several veterans as well, who knew most of the basics. The highlight of the second session by Aditya Rao was a hands-on demonstration of several online tools that IEEE provides (SAMIEEE, eNotice, ListServ and the vTools family of tools). This was exceedingly interesting for many participants, especially the students and relative newcomers to IEEE CS. To save time, a working lunch was served while Aditya's session was on. The participants had lunch, and then took a 10-minute break before resuming. The next session was on Advanced Topics by Satish, and included Management Tips, Chapter Organization, Event Management, Funding and Communication tools. The next session was on Leadership Skills Development by MGPL Narayana, who had extended the material from the R1 event with information from his personal experiences, providing an exceedingly interesting session.

Following Mr. MGPL Narayana's session was the distribution of certificates to the participants. And the event concluded with a vote of thanks by Mr. Satish Babu, R10 Co-ordinator, Geographic Unit Operations Committee, IEEE CS.

CS Leadership from all over India at the 20th November meeting

Detailed Report available at

http://ewh.ieee.org/r10/hyderabad/c/cs-meeting/

Appendix

I. Key Supporting Organizations and Hosts

II. Upcoming/Petitioned IEEE Computer Society Student Chapters:

- Aurora Research and Technological Inst, Uppal, Hyderabad

- Sreenidhi Inst of Science and Technology, Hyderabad

- Vignan Inst of Technology, Hyderabad

III. Key feedbacks from participating members:

1) Conduct more student related activities, especially in rural and remote reaches of the state.

2) Please conduct student design competitions at the chapter level catering to AP.

3) Please conduct **tutorials** and **workshops** instead of just evening talks in contemporary areas of Cloud computing, Mobile computing, Quantum/DNA computing paradigms, Computations natural sciences, financial computing, etc.

4) Please provide opportunities for project work/assistance for the student community.

Note: Event reports have been adapted from the Hyderabad Section newsletter.