

# TechnoReport

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Section

## Good Bye 2009

Year 2009 may be considered as a year full of action and achievements for the IEEE Gujarat Section. This year was also special for the IEEE as it was the 125<sup>th</sup> year of its foundation and several celebrations and schemes were planned to promote the visibility of IEEE worldwide.

We started our year with Sampark 2009 as the first celebration event of 125 years of IEEE in Indroda Park, Gandhinagar. It was attended by around 100 student members and organized by UVPCE student branch. The events objective was to help student branches in setting their goals and give them the opportunity to interact with section executive committee members.



We closed the year by another grand event and that was INDICON 2009. This conference attracted more than 1000 submissions of research papers from all over India and it was attended by over 150 contributors, 25 experts, 10 organizing committee members, 2 members from India Council and above all around 40 student volunteers. The venue of the conference was DA-IICT and it was appreciated by one and all.





During the year we were engaged in organizing events, stretching our reach and establishing our do-things-differently attitude. Mr. Deepak Mathurs presence in the executive committee of R10 gave us tremendous support and confidence in mobilizing resources for these events.



The one of the most remarkable events we organized was IEEE Conference on Technologies for Humanitarian Challenges at Bangalore on 28<sup>th</sup> Aug, 2009, one day before the 125<sup>th</sup> year celebration event of IEEE at the same place. This conference was one of the goals of IEEE India Adhoc committee which was co-chaired by Dr Lew Terman, the 2008 IEEE President and myself. This conference was fully funded by IEEE and was well attended by over 100 people including the 2009 IEEE President Dr John Vig, IEEE Foundation President Dr Richard Gowen, 2008 R10 Director Dr. Janina, 2009 R10 Director Dr. Park, 2008 IEEE Computer Society President Dr. R Kasturi, Matt Loeb, Peter Sobel, R Muralidharan, Prof. M V Pitke among various other dignitaries. As a precursor to this conference, we also uploaded more than 50 projects on HTN portal ([www.ieeehtn.org](http://www.ieeehtn.org)) that address humanitarian need using technology.





The other worth mentioning contribution from our side was the publication of a book on the occasion of 125 year celebration of IEEE namely Kite, Arrow and Memristor: Breakthroughs of 125 Years. This book is a compilation of 125 breakthroughs of electrical engineering, radio engineering, electronics, telecommunication, computer science, information technology and allied areas, one from one year starting from 1884, the foundation year of IEEE. We owe the publication of this book to the 2009 IEEE President Dr. John Vig who supported the idea of this book originated from a school kid, Anshul, and encouraged him to deliver it. Dr. Vig funded this project out of his Presidents Discretionary Fund. Gujarat Section supervised the compilation, publication and distribution of this book. The book was formally released on 29<sup>th</sup> Aug 2009 at Bangalore by Dr. John Vig in an IEEE Volunteers Meet called by IEEE India Adhoc Committee.

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The year 2009 was special for the section because we initiated a dialogue between industries and IEEE to improve the interface. We had a CEOs Meet in the month of Nov which was participated by CEOs or their representatives from over 15 companies. It was a very productive meeting in terms of their feedback that IEEE Standards must improve their marketability and acceptability among Indian Industries. This feedback was forwarded to the IEEE President and the concerned team of IEEE Standard Association. A team of IEEE SA staff is scheduled to visit India during March 2010 to meet some of the premier industries, government officials to collect the feedback on their own.





We also addressed the need of research community and young faculty of Gujarat through organizing a 2 day workshop on the theme Emerging Research Trends in Engineering in July 2009 at DA-IICT. More than 15 experts from IITs, IISc and industries delivered lectures to convince the audience the research opportunities and challenges and the demand of the market. Mr. Raj Kumar, Secretary, Science & Technology, Govt. of Gujarat promised to initiate the effort to establish a Knowledge Society with the help of IEEE Gujarat Section. The Chair, Gujarat Section also demonstrated the features of this portal on that occasion.



It is almost impossible to include all events and activities that we had been engaged in all through the year at HQ, Region, Section, Branch and/or volunteer level. The year 2009 was special in two more ways we included 4 new Student Branches at C U Shah College, Surendranagar, Gardi College, Rajkot, LDRP College, Gandhinagar and SCET, Surat (and 1 petition of DDU, Nadiad, under consideration) and added 3 new chapters of MTT/AP, Communication and Power and Energy during this year.

I cannot stop before mentioning the effort put up by DA-IICT student volunteers to make all the above events successful. Pallav, Harsh, Kapil, Sameer, Aniket, Razi, Vibhor, Shruti, Shaifali and many more worked relentlessly as true volunteers from concept to execution stages of each event. The section thanks them all.





Pallav and Harsh have been instrumental to give a facelift to the section website also. It is now fully functional on Joomla as CMS and ported on ewh at HQ. This e-magazine is, in fact, getting published automatically on this website using the logical scripting done by these two volunteers. I must say that our website could be treated as a model for all other sections and even for the Region. I hope all student branches and authorized persons would fully use the features of this website.

With this I wish the section all the best for the years to come.

Anil Roy  
 2008-2009 Chair, IEEE Gujarat Section  
 15 January, 2010.

#### DA-IICT

## **Our Branch in making (reminiscence of past five years)**

IEEE Student Branch of DA-IICT has completed its 5 years of existence and it is not an exaggeration to state that our branch has been highly active for all these five years. It got approval in Dec 2004 when it was established by the former faculty of DA-IICT, Prof. (Col.) Suryakant Ingle and the DA-IICT's first batch enthusiast volunteer students Niket Choudhary, Abhishek Dhanotia, Shivam Priyadarshi.

Unfortunately Prof. Ingle left the institute in early 2005 and Dr. Anil Roy took over as the next Branch Counselor of this branch. Niket was the first chair but for the very short tenure as he graduated from the institute in May 2005. These five months were the foundation months when we learnt to stand on our feet. Mr. Mayank Pande, the then Chair of Gujarat Section and Mr. Deepak Mathur, the then Vice-chair supported us well. The actual work started after that when Prabhat Saraswat was the Chair of the branch.

We organized our first and big national event during 24-25 Sep, 2005, Two-day Intensive Workshop on Embedded Technology. It was a grand event and a complete break-even program. This, in fact, gave us the confidence to organize programs on our own and we never looked back again.

In May 2005 we organized another national workshop, NWCV (National Workshop on Challenges in VLSI), 13-14 May, 2005 (<http://nwcvc.daiict.ac.in/>) and henceafter this list grew on and on. Among the large programs we organized NaSCoVIP (National Seminar on Computer Vision and Image Processing), 17-18 Feb, 2006 (<http://ieee.daiict.ac.in/nascovip/>), NCVPRIPG (National Conference on Vision, Pattern Recognition, Image Processing and Graphs), 11-13 Jan, 2008 (<http://ieee.daiict.ac.in/ncvprpigg/>), All India Student Congress, 28-30 Sep, 2007, Workshop on Emerging Research Topics in Engineering (24-25 July, 2009), INDICON 2009, 18-20 Dec, 2009 (<http://ewh.ieee.org/r10/gujarat/indicon2009/>).

Other than the above, One day seminar on Information Systems Security (6 Oct, 2007), Workshop on Simulations in ICT (17-18 Mar, 2007), Intensive Workshop on Service-Oriented Computing (16-17 Dec, 2006), National Symposium on Packet Data Services in CDMA (17-18 Dec, 2005), are among other grand events.

We played very active role in organizing the 2008 R10 Meet at Gandhinagar. On this occasion many dignitaries including Dr. Janina Mazierska, 2008 R10 Director, Dr. Richard Gowen, IEEE Foundation President and Dr. Soe visited DA-IICT.

These programs would not have been possible without the help and painless efforts of the volunteers of this institute. We are proud of our volunteers and their spirit of volunteerism. Our student branch has also been instrumental in executing the program Sampark, the brainchild event of the then Chair, Gujarat Section, Mr. Deepak Mathur, in 2006. Since then Sampark has been seen as the goal setting and networking gala-event of the Gujarat Section which has been organized by one of the student branches in the month of Januaray.

On this occasion we also express our gratitude to all our previous executive committee members, particularly, Niket Choudhary (2004 Chair), Prabhat Saraswat (2005 Chair), Vasudhara Kantroo (2006 Chair), Ravi Bagree (2007 Chair), Gourav Goyal (2008 Chair), Dorav Kumar (2009 Chair), Abhishek Dhanotia, Shivam Priyadarshi, Harshit, Vikrant Tomar, Vishwas Jain and our faculty mentors Dr. Anil Roy (Counselor 2005-07), Prof. Sanjay Chaudhary (Counselor 2007-09) and Prof. Mehul Raval who gave this branch its original shape. We are also obliged to the professional and personal support of Mr. Mayank Pande (2004 Chair, Gujarat Section), Mr. Deepak Mathur (2005-07 Chair, Gujarat Section), Mr. Arup Dasgupta, Prof. S C Sahasrabudhe and the administration of DA-IICT.

## **HandingOver Ceremony of IEEE Student Branch,DA-IICT**

The IEEEstudent branch of DA-IICT held its handing over ceremony on the 27<sup>th</sup> of January. The session

was presided by Prof. Sanjay Chaudhary who was the counsellor of IEEE Student branch, DA-IICT. He handed over the reins of the post of counsellor to Dr.Mehul Raval. He gave a vote of thanks to the previous Executive Committee and Dr.Mehul Raval for their help in his tenure. He heaped praises on the previous committee for the successful work they had done in their term. Dorav Kumar the ex-chair handed over the reins of the office of the Chairman to Raziuddin Ansari. Dorav kumar has completed a brilliant term as a Chairman despite many major obstacles. Under his able leadership the IEEE student branch organised many workshops and conferences . To celebrate the completion of 125 years of IEEE, I-Fest was organised this year. Due to the nation wide outbreak of swine-flu the I-Fest was postponed by two months in the last moments, so a lot of hard work put in was undone, but hats off to the last years committee which redid the entire organisation and had a brilliant I-fest which saw colleges participating from all over Gujarat. Dorav Kumar in all his humbleness thanked the committee for the support and wished the next committee all the luck. The other major office bearers that were selected were Mani Kanta Vice-Chairperson, Parth Chirag Mehta as Secretary and Maulik Paudia as Treasurer. Other than them other 7 members in the Executive Committee; 3 members in Women in Engineering group (WIE) and 11 volunteers were also selected. The previous years committee shared their experience with the audience. The session ended with refreshments for the members.