Project Exhibition – 2010

- Technical Symposium
- Staff Development Programme on Mobile Networks sponsored by AICTE - 2009
- National Conference sponsored by ISTE - 2005
- Young Aspirants - 2007
- Our Alumni
Technical Symposium

28-8-2008

Technical Symposium

23-08-2008
1, 2, 3G: A look at the development of mobile tech

Our Bureau

Channel, Feb 28

First generation – 1G – cellular technology that uses separate frequencies or channels for each conversation requires considerable bandwidth for a large number of users and uses FDM (frequency division multiple access). Second generation – 2G – mobile telephony, was developed to improve on 1G, using standardised mobile phones and cellular coverage, allowing mobility.

However, 3G – the third generation – is now emerging. Dr. R. Varadarajan, Associate Professor at the Centre for Wireless Communications, said that in the future, 3G systems will be able to handle multiple simultaneous connections, allowing for more efficient use of the available bandwidth. This is particularly important for multimedia applications such as streaming video and high-quality voice calls.

The development of 3G systems has been driven by the need for increased data rates and improved voice quality. The new systems use a combination of high-frequency channels and advanced digital signal processing techniques to achieve these goals. This has led to a significant reduction in call drops, allowing for more reliable communication. 3G systems also support a wide range of advanced features, such as enhanced call quality, improved location services, and the ability to support a variety of multimedia applications.

Dr. Varadarajan also noted that the development of 3G systems has been paralleled by advances in other areas of wireless technology, such as WiMAX and Wi-Fi. These systems are complementary to 3G, providing coverage in areas where 3G is not available, or where lower data rates are sufficient.

In conclusion, the development of 3G systems represents a major step forward in the evolution of mobile communications. As the technology continues to evolve, we can expect to see even greater improvements in the reliability and performance of mobile networks.
Knowledge engineering

Speakers at the inaugural function of the two-day national conference on ‘Distributed Systems and Knowledge Engineering’ at Sri Sairam Engineering College, West Tambaram, on September 16 said knowledge engineering played “a crucial role in showcasing our talent to others.”

The conference was organized by the Department of Information Technology and Master of Computer Applications of the college. Hemalatha Rajan, co-founder and director, Ma Foi Management Consultants, who inaugurated the meet, urged students to develop ‘KASH’ — knowledge, attitude, skills and habits to achieve their goals. S. Muralidharan, senior vice-president, Covansys India, said these conferences helped bring together experts in the field for effective discussion on tools and techniques that were available for immediate use.

S. Saetharaman, principal, M. Vasu, secretary, Sri Sairam Engineering College, J. Sai Prakash, trustee, S. Chandran, senior consultant, Tata Consultancy Services, T. Sheela, Head, IT Department, and K. Shankthi, HOD, MCA Department, addressed the meet that included technical sessions, guest lectures and paper presentations by students of city colleges.

Saarang continues to rock city

By Soumya, Kamath

CHENNAI, JAN 22. The die-hard population on the Chennais was mildly outnumbered yet again. The cultural festival named after the variety, Saarang, attracted these ‘youths’ as they were party animals. The euphoria was back, as the house turned into a madhouse for a good time.

The huge crowd the next day, Jan 22, at the Aurobindo Hall, again defied the small space as they danced to the tunes of the live bands. Many others who missed the previous day’s festivities made their way to the hall to see the best of Saarang the next day.

Like the previous day, the stage was abuzz with activity. The various stalls arrayed the venue with their own thoughts, and the visitors roamed around to see what was on offer.

The stalls displayed their wares with great enthusiasm, and the visitors were charmed by the variety of items available. The stalls were set up by the various colleges, and each one had its own theme and design.

The food stalls were a hit, with a variety of snacks and sweets available for purchase. The aroma of the food filled the air, and the visitors could not resist the temptation to indulge.

The highlight of the festival was the cultural performances, which were held in the evening. The performers were all college students, and they put up a fantastic show, impressing the audience with their talent.

The music was provided by the bands that had travelled from other parts of the country to perform at Saarang. The bands were a perfect complement to the performances, and the audience was spellbound by the music.

The festival was a huge success, and the visitors had a great time. The organizers had put in a lot of effort to make the event a success, and it showed in the turnout and the enthusiasm of the visitors.

The festival continued to rock the city until Jan 23, with the audience eagerly anticipating the next day’s performances. Saarang had proved to be a huge success, and it was evident that the festival had captured the heart of the Chennais.

Outstation students

This year, about 200 outstation students have already attended the festival, which is a testament to the popularity of Saarang.

The outstation students were welcomed with open arms, and they were given the same treatment as the locals. They were encouraged to participate in the various activities and to enjoy the festival to the fullest.

The organizers had also arranged for the outstation students to have a special programme, which included a tour of the city’s attractions and a visit to some of the famous landmarks.

Saarang had truly captured the spirit of the Chennais, and it was evident in the turnout and the enthusiasm of the audience.

The festival had proved to be a huge success, and it had captured the heart of the Chennais. Saarang had truly become a part of the city’s cultural fabric, and it was evident in the way the audience welcomed the festival with open arms.

The festival had truly been a success, and it had captured the heart of the Chennais. Saarang had truly become a part of the city’s cultural fabric, and it was evident in the way the audience welcomed the festival with open arms.
21.1.2009

 Sai Ram Engineering College

பேர் காண்பர் குழுநிலை
12 நாட்கள் கழகம்

சுவாசனை, வேறாம் 21:

பல்வேறு பரவல்களில் ஒன்றாக பல்வேறு வகையில் பயிற்சி நிறுவனங்களின் கீழ் பல்வேறு பேரரசு குழுநிலைகள் நிறுவப்பட்டுள்ளன. பெரும்பாலான பேராசு குழுநிலைகள் தனது நான்கு பதினெட்டு வகையில் பயிற்சி நிறுவனங்கள் கீழ் வருகின்றன. பேராசு குழுநிலைகள் எளிதாக பயிற்சி நிறுவனங்களில் பயிற்சி நிறுவப்பட்டுள்ளன. பல்வேறு பேரரசு குழுநிலைகள் தனது நான்கு பதினெட்டு வகையில் பயிற்சி நிறுவனங்கள் கீழ் வருகின்றன.

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சூர்யா பெரும்

20/9/05

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11/9/05 - 17/9/05

16/9/05 to 17/9/05

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Putting knowledge gained to good use

IT students construct keyboard for visually challenged

K. Manikanthan

Two final year information technology students from a private engineering college in Tambaram have constructed a keyboard which, they say, could help visually challenged persons operate computers with ease.

The project titled ‘hardware keyboard for visually impaired’ won the first place at a national-level technology meet at the Indian Institute of Technology, Kanpur, and was also presented at Worldcomp 2007, a global conference on embedded systems and their applications in Las Vegas, Nevada, USA, last month.

S. Sivaraman and R. Srikanth, students of Sri Sai Ram Engineering College, said that they had been doing projects in different areas since their first year but wanted to do something that would benefit a disadvantaged section of the society. They wanted to make life easier for the visually challenged.

Their keyboard features 17 logical switches equipped with soft ‘touch sensors’. Using them 62 characters can be typed.

Twelve of the switches were in the ‘hash’ pattern and the rest in the ‘cross’ pattern on the keyboard. There was also an integrated text-to-speech conversion system to minimise the probability of errors.

According to the students, visually challenged people would need just a week to get used to the keyboard and type about 40 characters a minute.
Our Alumni – Mr. G. Vinod at Infosys

A mindgame for all
Lateral thinking, logical skills, entertainment, fame. Quizzing gives you all this and much more.

Gone are the days when quizzing was synonymous with the class geek. Шtuff questions such as "Which is India's talent hunting" have been thrown out of the window. And the quizzing tribe in the real, not just for gathering fame, flirt tickets and trivia but to sharpen their grey cells as well. It has been a hit among competitors. Quizzing is now a healthy and interesting mindgame where your analytical and logical skills are tested, says quizmaster Suresh Kumar.

"Participants are not just visionaries. They prepare round the year. And quizmasters have to think up more questions that will test the answer out of them," says Mr. Suresh, a veteran.

The influence of media and the idea of team-based games have encouraged that audio and video play an equal part in the shows. "All these elements help improve lateral thinking," says Suresh. Especially, if you have to find the connection between a video clip and the clue given by the quizmaster.

Some quizzing is all about serving at such informal games. Media professional, Sharman, takes extra effort to remain in at least some of what he does. And Vaidyanath Narayanan, who discovered quizzing at the age of 26, says the knowledge that comes with quizzing gives one a sense of confidence. "What says Fred did the work has got nothing to do with my work or life, but it gives you a lot of confidence that you are not a fool, he says."

Two success stories
He is in his early twenties. And the peak. One-half of the landmark Open National "Mind Inside Mind" Outside team a Vinod C. A Finalist 22nd Dh TSM IITB student at Sri Sairam Engineering College.

Saravanan Jayakumar is a quiz master and a semi-finalist of the first Masterminds India series. He still reads anything to keep himself updated - from arts to wildlife. Both of them found their success at quizzing, kept participating and kept getting better.

"What keeps Vinod going?"

"Exploring the limits of knowledge... at an inter-college quiz. Photo: K. Ananthan.

"It's not like examinations where you must up stunts and sit-wait questions. Like quizzes where you have to think on your feet and come up with answers on different subjects. For that you have to keep your eyes and ears open."

"What keeps Sairam going after marriage?"

"Was always interested in quizzing because you tend to read up on a lot of subjects. After marriage, I just sustained my interest."

How and why did it help them? Vinod says long-term quizzing helped him acquire problem-solving skills in college. "That only improved my lateral thinking, but helped me overall personality as I have been interacting with a lot of people.

And it helped him keep him cool during an Indian Institute of Management' interview. "The certitude also helped me get the call," says Vinod, who plans to continue to have "enough fun" quizzing.

Suresh Kumar