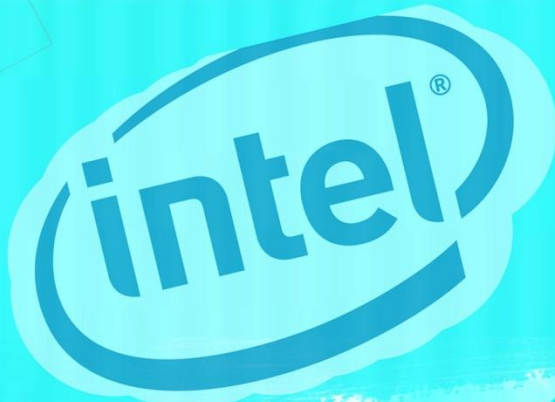


SMARTI

memory archives...





Sneak Peek



Student achievements
Placements

Eucalyptus
Network Simulator 2



Guest lectures
Workshops
Journals
Papers

IEEE CSDA Program
Automated Software Verification
Ethical Hacking



Alumni achievements
21st Century Drone
Taken Under the Wing
Giving back to their Alma Mater..



RACSS
Thoughtworks Fellowship



Cloud Computing
Virus
Gadget Space

From HOD's Desk



I congratulate the editorial team of "Smriti" for bringing out the first edition of the Computer Science department newsletter. This newsletter will serve as a window to the significant events happening in the department and the noteworthy achievements of faculty as well as students.

This issue covers the International Conference, AICTE sponsored staff development programme and two workshops organized by the department. It also talks about the scintillating extramural lectures delivered by various eminent personalities. I appreciate the unique "Drona" initiative taken by our I-Cell. I congratulate the ACE office-bearers, all the faculty members and students for conducting the annual national technical symposium "Paradigm" in a professional manner. The placement record of our students in the dream companies has been remarkable.

While I am happy about the current achievements of faculty as well as students, I also would like to urge the faculty and student community of computer science department to further excel on various dimensions and set new high standards.

Workshop on DEEP DIVE INTO EUCALYPTUS OPEN SOURCE

- Abhishek Kataria



A one day workshop on cloud computing was conducted by Eucalyptus on 14th July 2012. Mr. Deependra Shekhawat from Eucalyptus gave hands on training for setting up a private cloud in our PG lab and explained in depth about cloud computing and virtualization.

The session began with basics of cloud computing which briefed about cloud models, types of cloud service, virtualization and overview of what Eucalyptus is and about other pioneers in market. The participants of workshop were divided into teams of three. Participants were taught about the architecture of Eucalyptus private cloud model which included cloud controller and node controller. It was amazing to hear that all the different components of model were implemented using C and Java.

In the post lunch session, participants were divided into teams of three and were given two systems. Cent OS was installed and configured on one machine, which was the node controller. On the other machine, the front end was installed later on. The machines were configured to speed up our installation. There were various commands to execute and configure both the systems. A virtual machine was set up, where the number of machines and capacity of each could be customized. At end of session, an attempt was made to move the cloud to famous Amazon's EC2 (Elastic Cloud Compute), but the difference couldn't be experienced due to time constraints.

On the whole, it was one of the few workshops where the participants got a hands-on experience in the cloud domain.

Apple iPhone 5

Any gadget column, at this time of the year, can never be termed a gadget column if there isn't the slightest sniff of a certain Apple product in it. Yeah, you guessed it right, it's the iPhone 5! No prizes for guessing though. We'll take a quick look at the new iPhone and a few other gadgets in this issue.



Transparent screen. Holographic display. Laser keyboard. iPhone 5 had so many unrealistic rumors about its features even before it was announced and when the features were indeed announced, it turned out to be a huge disappointment. So you get an extra row for shortcuts to applications. Big deal! Despite the let-down for the second time in a row now, iPhone 5 is faring pretty well in the market. Apple have gotta be doing something right if they have managed to move more than 5 million units, according to their latest press release. Job done for Tim Cook and co.



News Feeds on the Student Activities

- ✓ Visawanath M S, the Chairman of SSN ACM Student chapter finished 6th in National Level Programming contest organized by SVCE ACM Chapter. Also he was a part of the National level 80 in ACM ICPC organized by ACM in association with IBM.
- ✓ Venkatesan M, the Head of Research & Development Team, ACM was the finalists at National Level Programming contest conducted by SVCE-ACM. He is also the Student Representative, CTS and the Student Ambassador, InfySec. He was the event head for Sequel in Paradigm. He is currently placed in Lister Technologies.
- ✓ Vinithavathy.N, secured the third prize in the debugging context conducted at CRYPTON'12; A National Level Technical Symposium Organized by Department of CSE of Sri Sairam Engineering College.
- ✓ Sowmya S Sundaram, a member of ACM has also an IISc internship on example based machine translation. She is the editor of Paradigm magazine Exemplar. She has participated in Mozilla Firefox workshop.
- ✓ Our resident brainiac trio: D.Thiagesh, P.Vignesh and S.Vignesh qualified to the Asia level in the National Level Programming Competition (NLPC) held at SVCE during 2011.
- ✓ SVCE continues to be a charm for the second years as Srinath Narayanan won the first prize in the essay writing competition held on the world's AIDS day by the Anna University and organized by the NSS at SSN, 2011.
- ✓ Renesha Joan Marin.B.P, was one of the few who participated in The Great Mind Challenge contest conducted by IBM. She was also a part of the Sequel - db event
- ✓ The season proves to be a platform for the budding entrepreneurs: Purushothaman.S.S, Nirmal.H, Soundariyan.R.R who won the first place in crazy bazaar during the e-week, Lakshya-2011.

- ✓ Gamer slash pianist K.Prem Nishanth, has secured the First place in the gaming events: DOTA and FIFA as a part of SSN Culturals-INSTINCTS 2011. He has also passed the 6th grade piano exam conducted by Trinity College.
- ✓ S.Rahul , a known drummer has passed the grade 6 Drum kit exam with distinction conducted by Trinity college of Music,London. He is also a part of a regional rock band , "Muttu Sandhu", which has won prizes in various culturals like IIT (Saarang),Anna University He was titled the Best Singer and Drummer and he also won a laptop at the Festember Curtain Raises. To top this, he has given more than 500 stage shows in India and Sri Lanka.
- ✓ The musician trio from our department; singer Karthik Narayanan, pianist Prem Nishanth and guitarist Karthik Arjun have been a part of our light music band which has won the first place with the in light music event at MIT Culturals-MITAFEST 2012,second place at MCC Culturals -DEEPWOODS 2012 and first place at NIFT Culturals -SPECTRUM 2012.
- ✓ Anaka.A has won the first place in Asian Junior Squash Tournament held at Iran in the month of June. She has won in Indian Junior Open Squash Championship in August at Chennai.
- ✓ Nitin Senthilvel, an international chess master has taken part in the prestigious Aeroflote tournament at Russia. He also won the national Blitz Chess tournament held at Sivakasi.
- ✓ MR .Gunasundari has won a gold medal in Shot Put and bronze medal in Discus Throw in Tamil Nadu Inter Engineering Sports (TIES) event conducted at Tanjore.
- ✓ Divya Rajaram was the winner in Table Tennis event held at Sastra University. Also, she was a part of the winning team at the SSN Trophy. She was also titled the Best Player.
- ✓ Sasi kumar.M and Sudharsan.R were part of the football team which won 2nd place in SSN trophy.
- ✓ Aiswhwarya Sreenivasan and Megha Umesha were placed second in Tennis at "Colosseum 2012" ,a sports fest at Sastra University.
- ✓ Vinoth Seelan played chess at the state level chess tournament organized for college students by the Govt. Of Tamil Nadu



NATIONAL WORKSHOP ON NETWORK SIMULATOR (NS2)

Toshiba Canvio Slim HDD



What can store 500 GB of data, smaller than a smart phone and is just around \$100? Yes, it's the new Toshiba Canvio Slim portable hard disk drive. Considering it is just 7mm thick (or rather, thin?), and at such a cheap price; expect this sleek gadget to be sold out, the minute it is released. And that's gonna be in October!

HANDS-on TRAINING

- V. Amara



A Two Day Workshop on "Network Simulator 2 (NS2)" was organised during September 14, 15 - 2012. The targeted audience was Research Scholars, PG & UG Students and Faculty of ECE, CSE, IT and MCA departments.

The training was led by Mr.R.Thirukkumaran and Ms.S.Anjali, SAT Infosys, Coimbatore and coordinated by Dr. T.T. Mirnalinee, S.Rajalakshmi, N.Sujaudeen, S.V. Jansi Rani.

The two day hands on training mainly brought the aspects of wireless networking to focus. NS2 is an object-oriented, discrete event driven network simulator developed at UC Berkely, written in C++ and OTcl. The ns2 installation set up encapsulated in a VM-WARE virtual box was burnt in a CD and given beforehand to the participants which made the installation of the complex tool unimaginably simpler. Special attention was given to the fundamentals of evaluating network performance via simulation, starting from the creation of topologies to analysis of network behaviour using a Network Animator. The NAM output enabled the trainees to visualise the flow of packets in the network. Bug-fixing would not have been easier without the guidance from the trainers. The second day of the training laid importance on incorporating user defined protocols in the libraries. Programs were also implemented for the creation of test agent to understand the behaviour of C++ and OTcl interaction and further more on writing a new routing protocol.

Faculty Focus

Guest Lectures

- ✓ Dr.T.T. Mirnalinee delivered a talk on "Basis of SVM and models in pattern recognition" in seminar on Support Vector Machines on 8/6/2012 at NIT Trichy. She delivered a talk on "Shape analysis CBIR" in AICTE sponsored SDP on Recent Trends in Machine Learning and Pattern Recognition on 5/7/2012.

Work Shops

- ✓ Dr.Chitra Babu attended A DST sponsored two days workshop on "Cyber Space Security" at NIT, Trichy on 17/08/12.
- ✓ Dr.R.S.Milton participated in Mysore Park Workshop on Machine Learning conducted in the Infosys Mysore Campus for 5 days from 1/8/12 to 5/8/12.

Abstract-The workshop brought leading researchers in Machine Learning in India and from around the world and provided an opportunity to listen to recent works in the area of optimization and statistics in the context of large scale machine learning. The talks highlighted Linear Algebra and Optimization Techniques as fundamental tools in Machine Learning.

- ✓ Dr.T.T.Mirnalinee, Mr.K.R.Sarath Chandran and Ms.S.V.Jansi Rani attended workshop on "Scilab" at SSNCE on 18/08/12.

Abstract-The workshop provided hands on training on programming with SciLab. It was primarily focused on delivering a talk about the software which is used as the replacement for MATLAB nowadays.

- ✓ Mr.G.Raguraman, Ms.M.Saritha, Ms.S.Radha Meena and Ms.P.Mirunalini attended AICTE sponsored SDP on "Recent Trends in machine Learning and Pattern Recognition" organized by Dept of CSE, SSNCE from 2/7/2012 to 7/7/2012

Abstract-The speakers addressed many integral concepts related to Machine Learning and Pattern Recognition, starting from the mathematical background up till and more on the latest developments in the field. Some of the concepts dealt with include SVMs, Speech Recognition, Fuzzy Logic, CBIR, Medical Imaging and Reinforcement Learning.

Awards

Ms. Bharathi and Ms.S.Kavitha bagged the best teacher awards for CSE department during the teacher's day celebration.



Dr.V.Venkatavara Prasad bagged the CTS best faculty award for the academic year 2011-2012.



ALUMNI ACHIEVEMENTS

- ✓ TR Anoop and Karthik, both of the 2006 batch, are successful entrepreneurs, who are best known as the creators of the game "Warrior Kings"
- ✓ C.R Krishnan, who passed out in 2007, works at Pixar Studios, and is a part of the Ice Age -4 team.
- ✓ Saravana Kumar, Karthik Arun, Archana Ganesh and Lakshmi, 2006 pass outs are currently employed in Oracle. Saravana Kumar can be contacted at: helloprofessional@yahoo.com, Lakshmi at: its_lakshmi@yahoo.com and Karthik at: Karthikarunk@yahoo.co.in and Archana at arc.nesh@gmail.com.
- ✓ Vasanth Ramkumar of the 2006 batch is employed in Visual Communaications, and can be contacted at: vasanthram@gmail.com.
- ✓ Badri Narayana and Priyadharshini, 2006 pass outs are currently employed at salesForce.com.
- ✓ They can be contacted at: nvg.badri@gmail.com and priyadarshini.murali@gmail.com respectively.
- ✓ Vignesh Murugesan of the 2007 batch had been placed in Yahoo. He can be reached at: vig.mrgn@gmail.com.

- ✓ Ms.V.S.Felix Enigo and Ms.S.Rajalakshmi has attended one day workshop on "MIDlet Programming with J2ME" organized by Department of IT,SSNCE on 06/07/12

Abstract-The workshop provided a hands-on training on "MIDlet Programming with J2ME", giving exposure of programing in the mobile environment. As a whole the workshop covered the architecture of J2ME platform, fundamentals to J2ME, building and deploying MIDLET on a simulator and testing the same on a mobile device.

- ✓ Mr.V.Balasubramanian and N.Sujaudeen attended one day workshop on "Deep dive into Eucalyptus open Source " organized by Department of CSE,SSNCE on 14/07/12

Abstract-The session was held by Eucalyptus covered topics on cloud computing like- Cloud service models, Public Cloud and Private Cloud, Open Source Private Clouds and Eucalyptus related services.

Journals

- ✓ B.Bharathi, C.Arun Kumar and T.Nagarajan "Improving the Performance of speaker and language identification tasks using unique characteristics of a class" international journal of speech tech,jun 28 2012 DOI:10.1007/s10772-012-9167-z
- ✓ Kanchana Rajaram, Aakash Verma, Ajo Thomas, S.Balamurugan "two stage constraint based approach for declarative data driven co-ordination"international journal of computer information systems,ISSN 2229 ,5208 Vol 4,No 5,May 2012,pp.55-60
- ✓ D.Thenmozhi, AjaySshrivatsav, V.P.Bhawani Pratap Singh Manhas and Kishore Kumar.p ,"extracting customer needs for electronic gadgets using opinion mining" international journal of advanved engg research and studies (E-ISSN22498974).IJAERS VOL1/Issue 3 /april-june,2012 pp:1-4
- ✓ Vallidevi Krishnamurthy and Dr.Chitra Babu , "pattern based adaptation for service oriented applicaions" ACM SIGSOFT software engg notes vol 37,No:1,JAN 2012

21st CENTURY DRONA

-Ankit Singhvi.M

Drona was an initiative taken by a current employee of E BAY, a 2012 pass out of SSN, Narendran Thangarajan and his core team, consisting of Arvind Krishna, Srikrishnan, Preeti Baskar and Sesha Kumar. His motive was to take his juniors through an insight of computer science, something more than the prescribed Anna University syllabus.



Our seniors gave presentations on Cloud Computing, Web Development, MVC Architecture, Computer Networks, Programming using objects and pointers, Computer Security, Web and OS Based Security, XML, JavaScript, AJAX, Basic terminologies in JAVA and WEB Development.

The activities included:

- A Paper Presentation contest, "KURUKSHETRA" held on February 20th & 21st. There was also a hands-on workshop on Web Semantics and Machine Intelligence in central seminar hall on 22nd and 23rd march.*
- A walk- through the placement session.*
- Ideas for our final year projects. A couple of seniors shared their abstracts of their final year projects with us. We were enlightened about "The Do's and The Don'ts" of the final year project.*
- Tips on the recruitment process and also an insight into placements at SSN.*

Check out Drona at:

<http://www.facebook.com/groups/237204313029073/>.

Being a part of Drona, we've enjoyed all the sessions. It's been a privilege to be a part of Drona. The interaction and helping tendency of the seniors was commendable and we thank The Drona Team on behalf of all the juniors!

Jelly Bean Arrives



If you don't have a Nexus One, don't worry! Samsung have announced software upgrades for most of its mid-end to high-end smart phones. And this time, it's to 4.1.1 - Jelly Bean. And Samsung have been poking some fun at the new iPhone 5 with the recent advertisements for the Galaxy S3. You gotta say, they're making a fair point here!

View the advert on Youtube by scanning the QR code:



HTC Windows 8X



Well, HTC and Windows have been collaborating for a while over HTC's new flagship Windows devices and the 8X looks all set to become the focal point of Microsoft's venture into the smart phone arena. The 8X boasts some really powerful features but only time will tell if it can put up any sort of competition to the plethora of Android devices in the market.

The specifications of the 8X can be found over [here](#):



Taken under the wing – The mentoring Program

- S.Aruna

The mentoring program was a remarkable brainwave that has been extremely successful with the SSN crowds with the objective of helping students who want to pursue higher studies in the US, for those that have the shining American dream.

My mentor Mr. Shyamal Rao Pillai, graduated from SSN in 2006 did his MS from John Hopkins University and is currently working at Morgan Stanley(he is also the president of the SSN Alumni Association USA Chapter); has always been an inspiration in formulating my career objectives and I was always happy that I had the best mentor, guiding me towards my goal.

Then began the joyous stream of enlightening interactions via phone, email and I was seriously overwhelmed by the structure of the program, responsiveness of my mentor and the kind of support he provided, be it for simple decision like whether to take a GRE class or not, or a code review for a coding competition all in spite of his busy schedule. It gave me a real picture of the situation there and above all I started really exploring avenues in fields of computer science which really interests me. All our meetings which happen via phone usually during weekends are also structured out properly with a sure takeaway that all my questions are addressed.

Overall now I have a clear idea of how I need to shape up my goals and work towards them to get a fruitful career. The best part of this as my mentor always says is this mentoring process shouldn't be a short term one while something which continues for long by sharing experiences and seeking advice when needed even at a later part of career.

To put it in a nutshell, this program has been extremely beneficial to me and it has presented me with an opportunity of getting to know the real developments and a different view of looking at things.

ARE WE REALLY COMPUTER SCIENCE ENGINEERS??

-Deepika.N



This title may seem strange but the question is are we ? Whatever we study, doing the lab work ,attending symposiums and all other activities are common among the CS engineers from different colleges.

“When we consider the Doctors , we believe them completely in whatever medicine they are prescribing at the cost of our life. What makes us do this ? The 2nd word is now stressed and are we CS engineers really certified globally ?”, was the agenda for the guest lecture given by Mr.Dhyan Singh, an IEEE representative. The answer comes spontaneously and it so because they are Recognized and Certified.

This is a matter of concern for those who, after their UG either opt for placements or higher studies. This leads to a whole new train of thought. A push in that direction was given to us on 24th September 2012 by the IEEE Computer Society. The IEEE Computer Society is a part of the IEEE society is solely dedicated for the computer science engineers. It has been a leader in software engineering for 38 years.

IEEE offers a program called SWEBOK (SoftWare Engineering Body of Knowledge), for the undergraduate students. Anyone completing the course is certified by the IEEE and is known as Certified Software Development Associate / Professional (CSDA / CSDP). The students' overall knowledge about software development life cycle is improved and enables them to perform better in any discipline. On completing the course, the placement and the career prospects are enhanced globally.

Many industries like Microsoft, Sun Microsystems, Infosys, Oracle, Cisco etc., recruit people who are certified by the IEEE. So, to obtain worldwide recognition, visit:

www.purnasolutions.net, ieee.cs@purnasolutions.net now!!

Cloud computing

-V. Anandh

Cloud computing is the delivery of computing as a service rather than a product, whereby shared resources, software and information are provided to computers and other devices as a utility (like the electricity grid) over a network (typically the Internet).

While a cloud client consists of computer hardware and/or computer software that relies on cloud computing for application delivery and that is in essence useless without it, the server consists of products that are specifically designed for the delivery of cloud services, including multi-core processors, cloud-specific operating systems and combined offerings.

Cloud application services or "Software as a Service (SaaS)" deliver software as a service over the Internet, eliminating the need to install and run the application on the customer's own computers and simplifying maintenance and support.



Contd.

Cloud platform services, also known as platform as a service (PaaS), deliver a computing platform and/or solution stack as a service, often consuming cloud infrastructure and sustaining cloud applications. It facilitates deployment of applications without the cost and complexity of buying and managing the underlying hardware and software layers.

Cloud infrastructure services, also known as "infrastructure as a service" (IaaS), deliver computer infrastructure - typically a platform virtualization environment - as a service, along with raw (block) storage and networking. Rather than purchasing servers, software, data-center space or network equipment, clients instead buy those resources as a fully outsourced service. Suppliers typically bill such services on a utility computing basis; the amount of resources consumed (and therefore the cost) will typically reflect the level of activity.

Cloud computing security (sometimes referred to simply as "cloud security") is an evolving sub-domain of computer security, network security, and, more broadly, information security. It refers to a broad set of policies, technologies, and controls deployed to protect data, applications, and the associated infrastructure of cloud computing. Cloud security is not to be confused with security software offerings that are "cloud-based". Many commercial software vendors have offerings such as cloud-based anti-virus or vulnerability management.

Automated Verification of Computing Systems

-Mahati Kumar

On 12.09.2012 the 3rd year CSE students were addressed by Prof. Madhavan Mukund, the Dean of Studies, CSE Dept, Chennai Mathematical Institute(CMI), on "Automated Verification of Computing Systems ". To begin with Prof. Mukund gave a mild overview of the subject "Theory of Computation", already being instructed to the students for the fifth semester as a part of the curriculum. This gave an abstract idea about 'Why the students are made to learn about Computation Theory?'.

He seemed to directly connect with audience when he started off with a basic automaton and quizzed them about what it does? The audience went into a buzz with answers.



Continuing with this excited atmosphere he went on to discuss about one other familiar concept 'Concurrent Processes', their issues and their possible solutions. Taking a simple solution given by Peterson, 'The Peterson's Algorithm', he put forth the idea of how Automata, an on-the-paper concept, can be used to solve the verification problems posed by concurrent processes today(The Model Checking Problem). This as he proposed, can be done by abstracting the process into the different states it can be in at any point of time, and the states in turn, will form the states of the Automaton, following a Temporal Logic.

The entire lecture was connected, thought inspiring and well contented. Although some students felt it could have been a little more interactive, that did not in any way wane the attention that the talk held on them.

E-Hacking

- Vaishnavi



The second year students attended a guest lecture on ethical hacking on 18th September.

The lecture was conducted by Mr. Saravanan and Mr. Harish from Infosys. Starting with what is ethical hacking to the certification essential to be an ethical hacker; several strata of the topic were presented by the gentlemen. Phishing was one of the topics dealt in detail. Not only did they enlighten the students on how easy it is to perform phishing but also showed them an example by hacking the orkut site!

They elaborated on the seriousness and harm that hacking causes in the banking system by presenting a pictorial description of the ICICI Online banking system failure that had happened recently. Another interesting aspect of the lecture was, the students were shown how to hack and use a trial version of a software, which normally cannot be used for free after the trial period. Overall it was an interactive, informative and interesting session!

Giving Back to their Alma Mater..



Brighton Vino and Anand Sainath (our 2005 Batch seniors), started developing their android application back in November 2010. Within four months of its release 'Cricket Pro by!Works' turned to be one of the most used cricket android applications in the country. With around 4,067 users, it has also been awarded 4.5 stars in the android market. One of the coolest features of the application is the 'lean back mode' wherein you just have to adjust your android phone and the live scores will appear on the screen just like a digital wall clock.

Now they are back, but this time on a recruiting spree.

RACSS 2k12 – Going International

-Bhavishya Palukurthi



RACSS (Recent Advances in Computing and Software Systems) 2012 was the first International conference conducted by the CSE Department of SSN College of Engineering in collaboration with the IEEE-Madras Section. Aimed at providing a platform for academicians, researchers and professionals from industries to share their research findings and exchange innovative ideas, the conference focused on the futuristic developments in Machine Learning, Distributed Computing, Software Engineering and Computer Networks.

The conference held from 25th April to 27th April, 2012 started off with Pre-conference Tutorials on Cloud Computing, Machine Learning and Image Processing from Microsoft, Eucalyptus, IIT and other eminent organizations. The Cloud Computing tutorials provided an introduction to the new age of computing with hands-on experience. The Machine Learning and Image Processing tutorials focused on Pattern Recognition and Wavelets. They showed us how we use ML concepts every single day without even realizing it. Did you know that the Google Image Search which we use every other day is based on Pattern Recognition??



Day 2 and 3 of the conference were more like a techno meet, with Keynote Address by Dr.Rajkumar Buyya (Professor, University of Melbourne, Australia), Dr.Sriram Rajamani(Assistant Managing Director, Microsoft Research India) & Dr.B.Vijaya Kumar(Assistant Professor, BITS Pilani, Dubai Campus) along with Invited Talks from IBM, CMI, eBay R&D Center, HCL, ThoughtWorks, NIT and paper presentation event where the best papers were indexed in IEEE Xplore Digital Library.

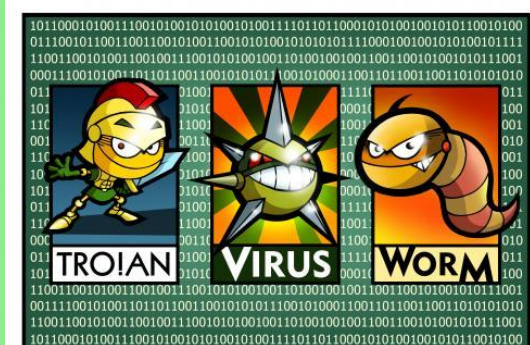
The conference also had cultural events with performances from the Dance and Music Clubs of SSN. An added bonus was the musical rendition by our very own HOD madam! The night went on with other members, who attended the conference, showcasing their music and mimicry skills on stage.

VIRUS,WORM AND TROJAN HORSE-A COMPARISON

-Ashraya.R

'Viruses, worms and Trojan Horses are all malicious programs that can cause damage to your computer'; thats a known fact isn;t it ? But did you know that there are some basic differences between the three? Lets take a quick look.

A **computer virus** is a computer program that can replicate itself and spread from one computer to another, i.e. it piggybacks on real programs. For example, a virus might attach itself to a program such as a spreadsheet program. Each time the spreadsheet program runs, the virus runs, too, and it has the chance to reproduce (by attaching to other programs) or wreak havoc. Yes, like a human virus, it can range in severity; some may cause only mildly annoying effects while others can damage our hardware, software and files. The important is that a virus cannot be spread without a human action. A lot of people are unaware of this and they continue to unknowingly spread the virus by sharing infecting files or sending emails with viruses as attachments.



Contd.

A **worm** is similar to a virus by design and is considered to be a subclass of a virus. Worms spread from computer to computer, but unlike a virus, it has the capability to travel without any human action. A worm takes advantage of file or information transport features on your system, which is what allows it to travel unaided. The biggest danger with a worm is its capability to replicate itself on your system, so rather than your computer sending out a single worm, it could send out hundreds or thousands of copies of itself, creating a huge devastating effect. An example would be for a worm to send a copy of itself to everyone listed in your e-mail address book. Then, the worm replicates and sends itself out to everyone listed in each of the receiver's address book.

A **Trojan Horse** is full of as much trickery as the mythological Trojan Horse it was named after. At first glance it will appear to be useful software but will actually do damage once installed or run on your computer. When a Trojan is activated on your computer, the results can vary. Some Trojans are designed to be more annoying than malicious or they can cause serious damage by deleting files and destroying information on your system. Trojans are also known to create a backdoor on your computer that gives malicious users access to your system, possibly allowing confidential or personal information such as credit card numbers to be compromised. Unlike viruses and worms, Trojans do not reproduce by infecting other files nor do they self-replicate.

The Fellowship at ThoughtWorks

-Anush Arvind.S

ThoughtWorks: a company wholly devoted to the art and science of custom software. Their bottom line is to design and deliver software quickly and predictably. Their view about software development can be expressed as - "Whole software. From concept to customer, and back again."

At ThoughtWorks, AGILE method of software development (a time-boxed, evolutionary approach) is encouraged and it becomes indispensable for their employees.

They conduct the Fellowship Program every year, which involves interns working for ThoughtWorks, to develop a real time application for one of their clients. The Fellowship consists of a logical and challenging selection process, through which students are chosen for the program. Once selected, The Fellowship is sure to be an educating as well as entertaining process! It involves brainstorming sessions to come up with innovative ideas, and working with the 'ThoughtWorkers' to develop the application.

We are encouraged to know that in the online 24x7 world, optimization is needed for processes across the software spectrum from concept to release, get ideas off the ground fast with guerilla techniques, and perfect them. Also to eliminate bottlenecks and streamline operations so that new releases may be timed to suit opportunities, not operating constraints.

At the Fellowship these need to be followed in developing the application, attacking the most pressing problems, reducing drudgery as well as ushering in the as yet undiscovered.

Thus being a part of ThoughtWorks, one could get exposed to a superior approach to software development: "Optimize product ideation and development, and automate much more of the last mile in order to create a short, repeatable concept-to-production capability that allows you to target, learn and adapt far more quickly than your competitors."

AICTE sponsored SDP on “Recent Trends in Machine Learning and Pattern Recognition”



The Department of CSE has conducted a 6 days AICTE sponsored Staff Development Programme on “Recent Trends in Machine Learning and Pattern Recognition” during July 2-7, 2012 organized by Dr. C. Aravindan, Ms .D. Thenmozhi, Ms. B. Bharathi and Ms. S. Kavitha. Grant of Rs.2,00,000/- was sanctioned by AICTE to conduct this programme.

This SDP was organized with a prime objective of imparting the concepts, tools, and techniques in several areas like pattern recognition, natural language processing, search engines, medical diagnosis, bioinformatics, speech processing, hand writing recognition, computer vision, game playing, and robot navigation to a wide spectrum of audience.

Dr. C. Chandrasekar, Mr. Deepak and Mr. Dileep from IIT-Madras, Dr. T. V. Geetha and Dr. S. Sridhar from Anna University, Dr. R. Chandrasekar, Dr. S. Janaki Meena, Dr. C. Aravindan, Dr. B. Prabha, Dr. T. Nagarajan, Dr. N. Venkateswaran, Dr. T. T. Mirnalinee, Dr. N. Sriraam, Dr. R. S. Milton, Ms. S. M. Jaisakthi, Ms. D. Thenmozhi, Ms. R. Rajalakshmi, Ms. B. Bharathi and Ms. P. Mirunalini have shared their knowledge to the participants.



Papers

Ms.K.Valli Devi presented a research paper titled “**Dynamically Reconfiguring Services in SOA Applications: A Pattern Based Approach**” in the 17th International Conference on Pattern Languages of Programs conducted at Germany

11/7/2012 to 15/7/2012



PLACEMENT DETAILS 2009-2013 BATCH

| No | Name | Company | CTC(Lakhs) |
|----|-----------------------------|----------------------------------|------------|
| 1 | Arvind Ram A. | Thoughtworks | 6.23 |
| 2 | Ramanathan R.M. | Lister Technologies | 4.5 |
| 3 | Tholkappiyan | Lister Technologies | 4.5 |
| 4 | Venkatesan M. | Lister Technologies | 4.5 |
| 5 | Komala Prabhu | Athena Healthcare | 5 |
| 6 | Krishnan V. | Zoho Corporation Private Limited | 4.05 |
| 7 | Manthosh Kumar T. | Zoho Corporation Private Limited | 4.05 |
| 8 | Sudhagar S. | Zoho Corporation Private Limited | 4.05 |
| 9 | Aravindhnan T | Zoho Corporation Private Limited | 4.05 |
| 10 | Aravind S | Zoho Corporation Private Limited | 4.05 |
| 11 | Sowmya S Sundaram | Zoho Corporation Private Limited | 4.05 |
| 12 | Vandhana S | Zoho Corporation Private Limited | 4.05 |
| 13 | Bharath R | Zoho Corporation Private Limited | 4.05 |
| 14 | Krishnan K | Zoho Corporation Private Limited | 4.05 |
| 15 | Sarulakshmi C S | Zoho Corporation Private Limited | 4.05 |
| 16 | Nishanth S. | Ascendant Technology | 5.37 |
| 16 | Radhikaa B. | Ascendant Technology | 5.37 |
| 16 | Ranesha John Marin B. P. | Ascendant Technology | 5.37 |
| 16 | Aishwarya K | Ascendant Technology | 5.37 |

Newsletter Team

Staff In-charge

B.Bharathi, Assistant Professor
N.Sujaudeen, Assistant Professor
K.Lekshmi, Assistant Professor
K.Madheswari, Assistant Professor

Editorial Team

Divya Rajaram, III Year
Manasvini Sethuraman, III Year
Vaishnavi Swaminathan, II Year

Design Team

Adithya Seshadri, III Year
Harishankar Gopalan, III Year

Student Co-ordinators

Mahati Kumar, III Year
V.C. Harshinee, III Year
Nikitha Ramanamurthy, III Year
Netra.K, III Year
Nivedita Muthusubramaniam, III Year
A.Anantha Nithya, III Year
Ayshwarya.V, III Year
Pooja.S, III Year
Ramya, II Year

Photography team

Anjana.S, III Year
Nikita Balakrishnan, II Year