Principal's Message

Knowledge multiplies at an amazing speed and of late this occurs at an alarming pace.

Advancement in technology facilitates this process. To a great extent, this revolution is made possible through the leap in technology, especially in the field of computer and world wide web connection.

Rampant and widespread change takes place all over the world due to this and many other factors contributing to them.

'Technobytes', as I understand, is a modest attempt to keep abreast with the spurt in the field of knowledge and technology.

Students of Computer Science Department are aiming to express their grasp of the subject which they learned from within and without their classrooms in an enjoyable format as they apply it in real life bites through the few columns of 'Technobytes'.

I wish all the very best to this newsletter and wish it will be a creative exercise to apply your knowledge and aspirations and your dreams related to the field of Computer Science and Technology.

Fr Sebastian Thekkedathu, CMI
Principal

Laurals in Inter-collegiate
Fests

Bagged 3 Overall championships and One Runners up amongst the 6 Participated

Editorial *Board*

Vichaarmanthan
Dr. G Madhavan Nair Addressed the Jayantians

"Space technology is a luxury outwardly, but a necessity for any developing nation." says Former ISRO Chairman at Vichaarmanthan, Kristu Jayanti College.

It's a general belief that space technology is a luxurious affair. But according to a study carried out by the Madras School of Economics, the advances and facilities gained as a result of satellite technology are 1.5 times more valuable than what is invested for space technology", said Dr.G. Madhavan Nair, Chairman, High Power Committee, National Civil Air craft Development, Govt. of India & Former Chairman, ISRO. Dr. Madhavan Nair was interacting with the students of Kristu Jayanti College on the occasion of 'Vichaarmanthan-an interaction with Indian and global visionaries.' He said that space technology is an exciting and challenging field but though a luxury outwardly, it is a necessity in a developing country like India. He also enlightened the students on the innovative ideas of tele-education and tele-medication through space technology in this advanced world. "Through tele-education the problem of shortage of good teachers are very effectively dealt with. The facility of tele-medication through Indian space technology is even reaching out to the under-developed nations of Africa and South America", said the pioneer of PSLV mission. In his address, Dr. Madhavan Nair also spoke on the application of satellite technology in India namely the DTH system, weather fore casting system and earth observation system. He also added that through Space technology India saw almost cent percent increase of yield in both fishing and agricultural sector. While interacting with the young minds of the college, Mr. Nair emphasized on the need to break away from the conventional roots and to focus on improving the quality of life of the people around.

He stressed on the importance of the betterment of productivity, healthcare, energy sector and water security of the nation. "The technical skills of the youth should be married with the demands of the country", he said. The students enthusiastically took part in the interactive session with the great visionary. They quizzed Dr. Nair on various issues of applications of space technology ranging from terrorism to space elevators to the setting up of the International Space Station. Rev. Fr. Sebastian T.A., Principal, Rev. Fr. Jose P.J., Financial Administrator and Head, Department of Social Work, Rev. Fr. Austine George, Head, Department of Computer Science, Prof. Aloysius Edward J., Staff co ordinator, Vichaarmanthan and Ms. Rini Abraham, Student coordinator, were also present during the occasion.

The bridges have been built

V Ramaswamy, Global Head , iON - TCS cloud solutions for SMBs and Educational Institutions

What is common between the ancient Greeks and the future that is near us? It is something that we as a civilization may have lost and now bringing back - the culture where one challenges deep doctrines over a dialog, only to find that there are more that could be challenged. It is nowadays call-ed Socratic learning in edu-cation. If cloud computing is a buzzword in information tec-hnology, this method of learn-ing is no less repeated in mode-rn education. In fact, the two tr ends find each other as natural counterparts in education.

There is no better example of this than the software industry where I come from. With a new programming language becoming vogue each season, software professionals have to unlearn and relearn new techniques and even new sciences. This does not happen in class room trainings as much it happ ens through community learn ing methods. Open source soft ware and massive code content in the internet blogs are a proof of this. And today at TCS when we work with more young new joiners, we see the orientation to acquire skills by self and dialog based learning, which be littles the importance of class room programs that we conduct. I doubt this culture of education is as prevalent in any other industry, though poten tial is enormous in sectors like banking and professional services.

Students may learn amongst themselves as much they can do from a teacher. Hence the functions of many schools are changing from a faculty driven model to community model. The role of faculty here is no less important but subtle. His job is to engage students into a circle by spurring thoughts and ideas. This was not possible earlier, when we commoditized educations into classrooms and curriculums that did not differentiate one student from another.

So what has changed? As Ralph Ellison (author of Invisible Man) said - education is about building bridges. The brides have been built. This is thanks to cloud technologies. If Face book is some kind of highway for information, institutes are creating little bridges of exchange on the internet within their campuses too. A curious student would always find his source of knowledge; educa tion is just about providing him the routes. Online Socratic sessions with on demand fa culty, industry mentored resea rch, student driven Knowledge Process Outsourcing industry; these are all the possibilities that are in store when campu-ses start building bridges.

To the student the message is clear. It is the best time to choose what she wants to be – this was not the case in our times. The means are easier to-day than ever before. One can opt of a professional course and a degree course at the same time, or even engage into a research of indulgence. Exploit the times.

SHELLS'10

October 29, 30, 2010 tagged the theme "exploring Horizon Through Innovation" and a tag line- "prise Opens Your Innate Talent". We Had Cry-stal Group, Winmax Group, Impulse, Aptech and Geis who sponsored the fest. The fest was Inaugurated by Mr. Sathish Sangameshwaran, Head, Student Programs, Microsoft, India. The first runners up was declared as Surana College and the runners up trophy was awarded to them by our Chief Guest for the Valedictory fun-ction, Shri. Jayas Damodaran, Managing Director, Cybays India. The overall winner was declared as St. Aloysius College and the overall trophy was awarded to them by our Principal, Rev. Fr. Josekutty.

Shells'10 is an All-India National Level IT fest con-ducted by the MCA dept. Of Kristu Jayanti College every year. Shells'10, conducted on

Glimpse of Academic, Curricular and Co-curricular Activities

The evolution of knowledge over time, cutting across civilizations and cultures is the result of the intellectual contributions of enlightened thinkers. The concept of knowledge became the centre of human civilization during the period of enlightenment- which is a philosophy that believed in the power of reason and the ability of human mind to resolve the mysteries behind the origin and evolution of the universe. This golden period in History facilitated in inculcating a passion for learning in the minds of young people and inspired them to believe that knowledge is power.

Our generation is fortunate enough to witness the second knowledge revolution, which is propelled by the inventions and innovations in the field of ICT. The relative importance of resources has been changing over time. During the period of feudalism land occupied a predominant position. Machines and labour power constituted the framework of industrial revolution. Now it's the turn of technology to dominate the world by transcending time and distance. As the scientific wisdom behind evolution of a technology is born in the mind of a creative human being, the existence and progress of the world depend on the ability of people to think creatively. Though technology is permeating to all aspects of our lives it can never replace the intelligence of human brain. It is

rightly said by Edmund Hubbard 'One machine can do the work of fifty ordinary men. No machine can do the work of one extraordinary man'.

In this world of technological break through, we need to mould people with the spark of creativity and innovation. Earlier it was believed that if you want to be successful in a highly competitive world, you need to have 'comparative advantage' over the others in terms of your technical capabilities. But in the modern era, in which change is the most powerful challenge, it is your 'adaptive advantage' that makes you survive and succeed in your professional life. Adaptive advantage is your ability to respond to changes in a highly positive manner.

The department of MCA, Kristu Jayanti College aims at developing such a group of dynamic technocrats by inculcating a pragmatic and professional approach among the students towards technical education. Apart from the delivery of the curriculum through an innovative teaching pedagogy, we organize diverse programmes to enhance and sustain the technical skills of the students.

The 'Technobyte', the news letter of the department brings to limelight activities and achievements of the department. It captures the glimpses of all academic, curricular and co-curricular activities, initiative and achievements of the department during the current academic session. I wish this endeavor a great success and I take this opportunity to appreciate tireless efforts of every creative mind behind it.

Rev. Fr. Augustine George
H.O.D Computer Science

MCA Programme at a Glance

The MCA department of Kristu Jayanti College of Management and Technology was establi shed in during the year 1994 with the objective of imparting technical education to aspiring youth and also to mould them into professionally competent workforce. At present there are 158 students in the department. As part of enriching the faculty resources, the teachers are encouraged to pursue research in different technical areas. 7 teachers are currently pursuing their Ph.D., in various universities.

To achieve academic excellence several teaching methods have been followed like class room teaching, projects, practical sessions, students seminars, and peer group learning.In order to bridge the knowledge gap between industrial requirements and the curriculum,guest lectures and seminars are organized on certain relevant topics related to various evolving fields in IT industry. These sessions are conducted on a continuing basis by experts from industry.

To promote professionalism among the student's activities like Attitudinal Work shop, Soft Skills, Language Enhancement Programme, Aptitude Enhancement Programme are conducted.

The special features of the department includes, the successful conduct of National Confer ence on Current Trends in Advanced Computing (CTAC) once in a year. The last two conferences were sponsored by ISRO. As part of knowledge sharing, peer to peer teaching is motivated amongst the students. A certificate course in Web Designing is also conducted every year for the UG students. MCA students are the resource persons supported by faculty members.

The department has collaborated with Computer Society of India(CSI) for organizing seminar, workshops from eminent personalities in IT industry.

The value added programs like CCNA and J2EE are conducted to enhance the students' knowledge in par with the industry requirement. Jayantian Extension Services through which the under privileged children get benefited and collaboration with professional bodies.

Prof. R. Kumar
Co-ordinator, Dept. of MCA

It's getting cloudy here, are you ready?

Amal S Thayyil
Web & Mobile Performance Engineer, Keynote Systems, amalthayyil@gmail.com

It is time for anyone who seeks an exciting technical profile to think beyond traditional programming language constructs or vendor specific certification. Get yourself ready for what Industry is really wanting, and you will be treated special. In these days of great technological innovations and

changes no computing platforms/ device's future is assured. Apple who set unparalleled technological excellence and market capture is left behind by Android. So it is time for all of us to role our sleeves and get involved to the extend we can.

With cloud computing offering unequaled convenience and

Experts observe by 2020, most people won't do their work with software running on a general-purpose PC. Instead, they will work in Internet-based applications such as Google Docs, and in applications run from Smartphones. Aspiring application developers will develop for Smartphone vendors and companies that provide Internet-based applications, because most innovative work will be done in that domain, instead of designing

What is Green Computing ?

Suja S, Lecturer, Dept. of MCA

Green computing is the study and practice of using computing resources efficiently. It aims to reduce the use of hazardous materials, maximize energy efficiency during the product's lifetime, and promote recyclability or biodegradability of defunct products and factory waste. The plan towards green IT should include new electronic product and services with optimum efficiency.

Why Green Computing?

As 21st century belongs to computers, gizmos and electronic items, energy issues will get a serious ring in the coming days, as the public debate on carbon emissions, global warming and climate change gets hotter. If we think computers are non-polluting and consume very little energy we need to think again. It is estimated that out of $250 billion per year spent on powe ring computers worldwide only about 15% of that power is spent for computing- the rest is wasted idling.

Approaches to Green Computing Virtualization

To make the most efficient use of available system resources computer systems on one set of physical hardware, a system administrator could combine

several physical systems into virtual machines on one single, powerful system, thereby unplugging the original hardware and reducing power and cooling consumption.

Efficiency Of Algorithm

The efficiency of algorithms has an impact on the amount of computer resources required for any given computing function and there are many efficiency trade-offs in writing programs. While algorithmic efficiency does not have as much impact as other approaches, it is still an important consideration. A study by a physicist at Harvard, estimated that the average Google search released 7 grams of carbon dioxide (Co_2). However, Google disputes this figure, arguing instead that a typical search produces only 0.2 grams of CO_2 . More recently, an independent study by GreenIT.fr demonstrate that Windows 7+ Office 2010 require 70 times more memory (RAM) than Windows 98 + Office 2000 to write exactly the same text or send exactly the same e-mail than 10 years ago.

Advantages of green computing

Lets take a look at the power consumption of an ordinary pc

system (P4 2,4 Ghz, 3.5" HDD, CD-RW, AGP Gfx, 512mb RAM):

PC off, screen off: 10 Watt
PC on (idle mode), screen off: 80 Watt
PC on, screen on, (idle mode): around 120 Watt
PC on, screen on, (burning a cd) around 235 Watt
PC on, screen on, 100% CPU-load: around 240 Watt

Keep in mind that a recent system with high-end graphic-card and dual or even quad core CPU can use more than 3 times of this power consumption!

So if you' re paying around 10cents per kilowatt hour, here is what you can save:

The standard 200W PC:

running 8h a day, 5 days a week, 50 weeks in a year = 400 kwh at 10cents an hour = $40
running 24h a day, 7 days a week, 50 weeks in a year = 1680 kwh at 10cents an hour = $168
A 30W "green pc":
Running 8h a day, 5 days a week, 50 weeks in a year = 60 kwh at 10cents an hour = $6
running 24h a day, 7 days a week, 50 weeks in a year = 252 kwh at 10cents an hour = $25,2

portability to the user, the same could be said for the future of the personal computer. In other words cloud computing is a new way of delivering computing resources to run websites and web applications. Cloud computing allows customers to scale vertically and horizontally and take advantage of a self-service, pay-as-you-go utility model that ensures they are only running (and paying for) as much computing capacity as they need. And the Indian IT Industry is lacking talents in this area. It is not a rocket science indeed, but certainly demands lot of serious learning.

applications that run on a PC operating system.

For many individuals the switch to mostly cloud-based work has already occurred, especially through the use of browsers and social networking applications. They point out that many people today are primarily using Smartphone, laptops, and desktop computers to network with remote servers and carry out tasks such as working in Google Docs, following web-based RSS (really simple syndication) feeds, uploading photos to Flickr and videos to YouTube, doing remote banking, buying, selling and rating items at Amazon.com, visiting with friends on Facebook, updating their Twitter accounts and blogging on WordPress.

Getting started.

Try to figure out the difference between cloud computing, compared to regular web development.

Get a hold of the terminologies like Software as a Service (SaaS), Platform as a Service (PaaS), or Infrastructure as a Service (Iaas) and the underlying technologies.

For those seeking a network-side career, fundamental knowledge of the virtualization platform, including the technology's affect at the network and storage layers is very important. Understanding of how to segregate traffic and guarantee data stays compliant as it moves across the virtual

infrastructure . Also helpful is a basic server skill set that includes an under-standing of server farm management, fault-tolerance, redundancy and high availability.

For a developer moving to the cloud probably requires to learn new APIs. Developers have a wide range of platforms to choose from in creating cloud-based applications. Two of the most popular platforms are

1) Amazon's Elastic Compute Cloud (Ec2) http://aws.amazon.com/documentation/ec2/

2) Google App Engine (GAE).
http://eduguide.googleapps.com/

While some development tools have extensions to permit deployment in the cloud, programmers have to learn those features. You might have to come up to speed on sparse columns, extended stored procedures, Service Broker, or Common Language Runtime (CLR) and CLR User-Defined Types.

Other areas to be considered for securing a challenging job in cloud-based projects.

- Systems administration, with an emphasis on virtualization
- Storage networking
- Virtual switching
- Business-IT alignment
- Software-as-a-service management
- Data analytics, data warehousing, master data management
- Information security, compliance,

Web Designing Course for UG students

As a part of knowledge sharing, a 40 hour certificate course in "Web Designing" is conducted to the UG students every year. The MCA students are the resource persons under the guidance of the faculty members. This year 105 students are registered for the course. The course curriculum contains the tools like HTML, Adobe Photoshop CS, Macromedia Dreamweaver, Macromedia Flash and Video Editing. The students are attending the class during 4.00 pm to 5. 30 pm daily in two labs.
Report of the research colloquium
The second technical session of the research colloquium of the department of Computer Science was held on 23rd July 2011 from 11.00AM in the MCA conference hall.
Head of the department, Rev.Fr. Augustine George and the faculty members of Computer Science (UG and PG), Electronics, Mathematics and Statistics departments were present.

Faculty Research Colloquium

The second technical session of the research colloquium of the department of Computer Science was held on 23rd July 2011 from 11.00AM in the MCA conference hall.

Head of the department, Rev.Fr. Augustine George and the faculty members of Computer Science (UG and PG), Electronics, Mathematics and Statistics departments were present.

There were two presentation

1. 'Watermarking, A passion security' – by Mr. Rajesh H. He presented about the recent trends in water marking and brought to light the scope of research in this field.

2. 'Research – an eye-opener' – Jointly by Mr. Velmurugan R and Mrs. Ambika P. The presentation was on how to embark on a Ph.D programme and how to tackle the various hurdles that we may come across.

The platform was open for discussion and queries.

Telematics - The Technology that drives the automobile industry Definition

Ambika P
Lecturer, Dept. of MCA

Telematics is the blending of computers and wireless tele communications technologies in other words Telematics is an integrated use of both tele-communication and Infomatics (i.e. Information and communication technology). As Per Dennis Foy "Telematics is the transmission of useful information to and from a vehicle".

With the Telematics defined it is necessary to understand the basic difference between Telematics and Navigation systems. Telematics uses GPS technology to provide numerous services; Navigation is simply one of the services offered.

Major automakers are equipping new prototype vehicles with wireless-based services controlled by voice commands. This kind of Telematics could enable motorists to perform a variety of wireless functions such as accessing the Internet, receiving or sending e-mail, downloading digital audio and video files, or obtaining "smart" transportation information.

General Motors Corp. is the first automaker to popularize automotive Telematics with its On Star system.

Growth and future of Telematics – Commercial Auto Industry.

The growing Telematics market in India is segmented into vehicle tracking and navigation systems. Since 2003, the Indian vehicle tracking segment has witnessed an increase in demand for its units, with the main impetus coming from logistics companies and urban road transport corporations. Market participants, especially new entrants, must focus on the shift in end users' preference from basic vehicle tracking devices toward global positioning system (GPS)-based online tracking systems and crucial issues such as high prices of systems and infrastructure requirements

Telematics played a vital role in development of auto mobile industry which was hugely affected by the recession of 2009. The growth of Telematics could be understood from its transformation from being a vehicle accessory to an indispensible mobile navigation service. The upcoming years will also witness accelerated evolution of Telematics as an established standard on vehicle as smart energy management spirals to top of the priority list for both the auto maker and the consumers. Interestingly the growth of Telematics is primarily led by encouraging demands from transportation and logistics companies during times of economic down turn. The new Telematics technologies allowed fleet owners to reduce cost by cutting down unnecessary business mileage, boost productivity and improve customer service.

The ever rising fuel prices will offer added business cases for Telematics technology growth and adoption, given its ability to reduce energy/fuel cost an expand profit margins for fleet owners. The need for effective vehicle tracking technology/solutions to enable real time dispatch fleet operation is expected to continue driving growth of telematic services in diverse application areas cargo delivery, public transportation like taxis and emergency service vehicles, etc.

Computing power everywhere

Thapan Chand . A
5th sem MCA

Ubiquitous computing, (ubicomp) or calm technology, is a paradigm shift where technology becomes virtually invisible in our lives. Instead of having a desk-top or lap-top machine, the technology we use will be embedded in our environment.

From the ubiquitous computing page at Xerox PARC [UBPARC] we have the following description: imagine a world with hundreds of wireless computing devices of different sizes in the same room. In order to bring this type of computing out into the environment, among the things we need to rethink are user interfaces, displays, operating systems, networks, and wireless commu-nications.

Mark Weiser coined the phrase "ubiquitous computing" around 1988, during his tenure as Chief Technologist of the Xerox Palo Alto Research Center (PARC)
It is a post-desktop model of hu-man-computer interaction in which information processing has been thoroughly integrated into everyday objects and activities.
Promoters of this idea hope that embedding computation into the environment and everyday objects would enable people to interact with information-processing devices more naturally and casually than they currently do, and in whatever location or circumstance they find themselves.
Ubiquitous computing encompasses wide range of research topics, including
• distributed computing, • mobile computing • sensor networks • human-computer interaction • artificial intelligence
In the course of ordinary activities, someone "using" ubiquitous computing engages many computational devices and systems simultaneously, and may not necessarily even be aware that they are doing so. This model is usually considered an advance-ment from the desktop paradigm. More formally Ubiquitous computing is defined as "machines that fit the human environment instead of forcing humans to enter theirs.
At their core, all models of ubiquitous computing share a vision of small, inexpensive, robust networked processing devices, distributed at all scales throughout everyday life and generally turned to distinctly common-place ends. For example, a domestic ubiquitous computing environment might interconnect lighting and environmental controls with personal biometric monitors woven into clothing so that illumination and heating conditions in a room might be modulated, continuously and imperceptibly.
Ubiquitous computing presents challenges across computer science: in systems design and engineering, in systems modelling, and in user interface design. Contemporary human-computer interaction models, whether command-line, menu-driven, or GUI-based, are inappropriate and inadequate to the ubiquitous case.

Aakash Tablet - World's Cheapest Tab

Aakash is an Android-based tablet computer designed and developed by DataWind primarily as a platform for audio-visual media including books, periodicals, movies, music, games, and web content. It is manufactured in India as a low cost but full functioning device in order to attempt to bridge the digital divide. The commercial version of the tablet will be retailed under the brand name UbiSlate 7

The original prototype was unveiled in 2010, purported as a "$35 laptop". The device was formally launched on 5 October 2011 as Aakash, made by the Montreal-based manufacturing company DataWind.

Aakash will be assembled at DataWind's new production centre in the southern city of Hyderabad. Initially, the device will be sold to the Government of India at $50. It is expected to be sold for $60 in the retail stores.

The device has been developed as part of the National Mission on Education through Information and Communication Technology that aims to link 25,000 colleges and 400 universities on the subcontinent in an e-learning program via an existing Sakshat portal.

Hardware
• 7-inch 800x480 resistive

touchscreen • Rugged casing with a rubberized feel • Wi - F i enabled (802.11 a/b/g WiFi) • Mini and full USB • miniSD card slot • Subscriber Identity Module (SIM card) slot • 256MB of RAM • 2 GB of storage memory. 32 GB Expandable microSD memory card. • 366 MHz + HD video co-processor • Audio out: 3.5mm jack / Audio in: 3.5mm jack • Display and Resolution: 7" display with 800x480 pixel resolution

Software
• Android 2.2 operating system • Document Rendering • Supported Document formats: DOC, DOCX, PPT, PPTX, XLS, XLSX, ODT, ODP • PDF viewer, Text editor • Multimedia and Image Display • Image viewer supported formats: PNG, JPG, BMP and GIF • Supported audio formats: MP3, AAC, AC3, WAV, WMA • Supported video formats: MPEG2, MPEG4, AVI, FLV • Communication and Internet • Web browser - Standards Compliance: xHTML 1.1 compliant, JavaScript 1.8 compliant • Separate application for online YouTube video • Safety and other standards compliance • CE certification / RoHS certification
• 150000+ applications

The Government of India announced that 10,000 (Sakshat) tablet will be delivered to IIT Rajasthan in late June and over the next four months 90,000 more would be made available at a price of 5,000 device. Government will subsidize the cost by 50%, so a student would have to pay only 2,500 for the device.

Dennis Jacob, Final Year MCA

Synchronize 2011

Talent and creativity are the two things that give arise to innovative ideas and successful inventions. In search of such great talents and creativity the Computer Department organizes an intra-collegiate fest, Synchronize 2011.

Mr. Shivaram Kuppachi, a successful business leader and a strategist was invited as the chief guest for the inauguration of Synchronize'11. His customer associates include Dell, GE, Pepsico, Hugh Symons, Reserve Bank of Uganda, Vanco etc. He has received the Gold medal and Director's Merit Award in MBA. He is a regular speaker in NCOAUG, Chicago.

Manoeuvre 2011

Manoeuvre 2011, an Intra-collegiate IT fest organized by the MCA

Department was inaugurated on October 20, 2011. Shri.Sujit Sahoo, CIO and Director, TRIANZ, Bangalore was the Chief Guest. The theme for the fest was "Igniting Innovation". There were more than 100 participants who participated and ignited Manoeuvre 2011 with the true spirit of sportsmanship.

Technical Communities

Computer science is a rapidly evolving discipline. It is important that we contribute to computer science in a way that our students can devote themselves to take the maximal advantage of modern computer science to solve a wide range of technological problems based on their interest / specialization. To hone technical skills demanded by today's professionals MCA department has formed a forum of students to prepare them to meet the challenges faced by today's IT professional by providing a sound technical platform and the required knowledge base.

Different Committees are Networking, Testing, Enterprise Solution, ERP CRM, Data Warehousing and Administration. Each community is headed by different faculty members and student coordinators. Student can be the member of these communities after their first semester. Students can select their own specialization, through which they can improve their skills.

Various programs like conducting seminars, Guest Lectures, Workshops, Industrial Visits, Quiz competition, Value Added Courses and Paper Presentations were arranged to execute the program.

CTAC-2011

The MCA Department of Kristu Jayanti College, Bangalore has formed a national forum for the technological advances and research results in the field of computer science and information technology by organizing a two day National Conference on Current Trends in Advanced Computing (CTAC'11) on 1st & 2nd of April 2011.

The conference brought together leading engineers, research scholars and scientists from around the nation at large. Over 160 participants across the country attended the Conference.

This two days mega event was flagged of by Mr Benny Augustine, Director, Unisys, Bangalore on April 1, 2011. Mr Benny Augustine gave a very enlightening and thought provoking speech on the emphasis of good research and on how to be successful in life. During the inauguration chief guest released the Conference proceedings and hand over to the Fr. Josekutty. After

inauguration the first session was on "Cloud Computing" conducted by Mr. Sankar Narayanan, EMC2, Bangalore. It was followed by a session on "Data Warehousing Appliances" by Mr .Gautham Kumar, EMC2, Bangalore. The session extended for an hour during which the audience was exposed to the concept in a very unique and informative manner. After the technical talks the session moved on to research paper presentation by research scholars from various institutions, and in parallel the presentations on technical topics by the students was conducted.

The first session of research paper presentation was on "Cloud Computing and Mobile Computing" ,chaired by Dr. Muralidhara, Associate Professor and Co-ordinator of MCA department ,Bangalore University. The second session was on " Network and Network Security" , chaired by Fr. Issac P J, Principal, Mary Matha College , Theni. The

students paper presentations were judged by Prof. Jayanti, Head of the Computer Science Department, CMRIMS and Prof. Ambika from MCA Department of our college.

The first session on second day was a talk on "Best Testing Practices for embedded systems", conducted by Mr. Shinto Joseph, Director LDRA Technology. The second talk was on "Integral Transform" by Dr Kumara Swamy, Director, Dayanand Sagar College, Bangalore. The third session was on the topic "REST on the Web" by Mr Mahesh Kuppan, Independent Consultant and Trainer.

The day's research paper presentation was chaired by Dr. Hanumanthappa, Chairman,

Board of Examiners, Bangalore University and student paper presentations went in correlation. The chief guest for the Valedictory Ceremony was Mr. Rajesh Raichoti, Senior Manager, EMC2, Bangalore. Cash prize was awarded for the best two paper presentations.

The two day national conference was a library of knowledge for the students of Kristu Jayanti College and the audience present. They were led into the ocean of knowledge by the research scholars, showing them the vast potential of the ocean. All they have to do is take a dive in this ocean and discover their dreams and ambitions.

Activities

Attitudinal Workshop

Two-day Attitudinal Workshop by Zeal Institute was organized for I Semester MCA students to enhance their Inner Personal growth inculcating the values of life on 9th and 10th December 2010.

Soft Skills

The Centre for placement and Corporate Relations (CPCR) in our college conducts classes for II and III year MCA students focusing more on verbal and written communication skills.

Language Enhancement programme(LEP): In order to improve the analytical and technical skills of the students,

Aptitude/Language communication classes were conducted everyday in collaboration with Orion Edutech Group.

Aptitude Enhancement program (AEP)

Aptitude tests aim to guage an individual's personality, inclination, ability and attraction within designated fields. Tests on Quantitative and Qualitative aptitude were conducted three hours per week.

Jayantian Extension Service(JES):

Under Bhavishayajyothi, Children Education Program, MCA department sponsors three children for their education.

Industrial Visit

On 27th of August 2011 we had an industrial visit to Infosys Campus situated at Electronic city, Bangalore. The topic of presentation was "Business Trends in IT". After the presentation we were given a task of choosing one of the topics given to us and we had to come up with a product enhancement and advertise it. The topics given to us were Gmail, Face book, Hotel management system, Twitter, Library management system.

Nokia releases prototype phone that can bend, twist

Nokia has unveiled a flexible OLED Smartphone concept 'the Kinetic' - which is capable of physically bending and twisting. To zoom in and out of photos the phone must be twisted in and out, while another outward twist takes the user back to the menu, reports Discovery News.

Although the idea isn't unique to Nokia, it is the first company to come out with a usable prototype, even though they reportedly have no plans to sell it.

Alumnae Speak

It is indeed my proud privilege to call myself a 'Jayantian' having acquired Master Degree in Computer Application under the auspicious of the most coveted Kristu Jayanti College - the specific vision of which is meaningfully inscribed in its motto itself " JOTHIR SARVODAYAYA"- enlightement for well being of all. I should acknowledge that the seeds of knowledge implanted in me and all such students were profusely watered to flourish under the able Faculty of MCA deptt. and I owe every bit of my success to the excellent Teaching, Guidance,

Discipline and Extra-Curricular performances imparted at this august shrine of learning - KJC.

My best wishes to all Alumni and regards to Reverened Teachers.

Aditya Prakash
MCA Batch 2007-10

College life is the most exciting time of a human life. It is filled with fun, studies, activities and friends. When the friend circleis just not limited to studentsbut extends even to faculties it makes it more exciting and that are my experience in KJC.

I am privileged and proud to say that I was part of KJC for past fewyears, whichwas the most exciting time of my life till now. More than a college KJC has been a family to me. My friend circle was just not limited to students but it also included the faculties. The most memorable event of my KJC life was conducting the inter-collegiate fest Shells. There were no boundaries between the students and faculties, all coming together and working for it. These were the moments, which we learned the most about facing the challenges, which are not

predefined, and finding the solutions. In each step the support from management and the faculties was a big part, which helped us in experimenting new and innovative methods and learn new things.

The knowledge and the culture that I have obtained from KJC have helped me to face the various challenges in the job and find solutions. I am today proud to say that I am a Jayantian.

Regards,

Anish Samuel, Associate Engineer, Google