

Community News

"All the news that fits"

Volume 1

Issue 5

Oct 2012



'Illuminus' - A confluence of extraordinary minds

"If you want to lead an extraordinary life, find out what the ordinary do and don't do it."

- Tommy Newberry

Nishant S Dhar (SE Comps)

When the young generation meets the great minds of present generation, what's formed are extraordinary minds of tomorrow.

On 21st September 2012, Don Bosco Institute of Technology, Kurla and ACM-DBIT in collaboration with project Praviin of IBM hosted a symposium titled 'Illuminus - A confluence of extraordinary minds' at the Santino Mondini Hall, DBIT. The event featured some of the biggest IT industry heavyweights as panellists to discuss an imperative topic - Meeting the industry demands by academia.

The Theme Of The Event Was - "Don't be like everybody else, stand out". Illuminus focused on making the most of every opportunity. Engineers are creative, innovative and competent but it is seen that there is an unsettling gap between academia and industry due to lack of information and awareness among student community. In Illuminus 2012, Great minds of industry explained what industry expects from engineers and how to make an engineer employable.

Each company representative gave an overview of their organisation, research & development areas. This was followed by a panel discussion.

The star studded line-up of panellists consisted of Mr. Mohammed Lokhandwala, Chief Software Architect, Worldwide Soft



ware, Mr. Premal Saiya, Delivery Head - Blue-Star Infotech, Mr. Rahul Ghorawat, Senior Consultant L&T Infotech, Mr. Brett Sedgewick, Vice President, NASSCOM Foundation, Mr. Vinay Patkar Executive VP - Mindcraft Software Pvt. Ltd., Mr. Lawrence Mohanraj, Relationship Manager, IBM Project Praviin, Dr. Santosh Kumar Mohanty, Head, Components Engineering Group, TCS and Mr Maninder Singh, President - Enterprise Products, Infracore Tech. The ardent participation of students and faculty from the invited colleges as well as DBIT ensured a house-full at the Santino Mondini Hall.

The participating colleges were: M H Saboo Siddik College of Engineering, MGM, CRCE-Bandra, CRCE- Vashi, St. John's - Palghar, Xavier Institute of Technology, Sardar Patel Institute of Technology, St. Francis Institute of Technology, Shah and Anchor, Saraswati College of Engineering and Don Bosco Institute of Technology. A whopping 225 participants attended the event (97 off-campus + 118 in-house).

These included 22 in-house and 7 off-cam-

pus faculty members.

The Program was attended by the Heads of various institutes of the DBCL Campus. It had the patronage of Fr. Mario Vaz, Executive director DBMIR, Fr Bosco, Campus Minister, Fr Edward, Administrator, Dr. Joag, Principal DBIT and Research Director, Dr. Krishnamoorthy. Thanks to the detailed planning and excellent arrangements by Prof. Mirza Imran and his team, the afternoon was profitably spent.

The panellists kept motivating students and encouraging them of making in the real world. Well, lakhs of engineering students graduate every year, but to have an edge over others is extremely important. The reason being that we live in a competitive world and in order to have an upper hand, it is essential that we follow the market trend and keep ourselves updated with the technology.

They spoke for an hour on what industry demands from engineers and what they usually get.

Editor's Message

News in Brief

IBM TGMC Contest

The Great Mind Challenge (TGMC) is a nation wide Software Development contest conducted by the IBM Academic Initiative Team. A total of 21 groups from TE Comps and TE IT have participated. Workshops followed by certification exams on IBM RAD and IBM DB2 were conducted for the same

Web DND Course

The Web DND course was conducted with total of 50 participants providing them a complete knowledge of HTML & CSS. The students were also taught about web hosting. The course was conducted by Mr. Allan Pinto and was powered by ACM, DBIT.

Certification Courses

The department of computer engineering along with ACM DBIT conducted various certification courses. The students completed courses in IBM RAD (Rational Application Developer) and IBM Tivoli

IV to Godrej & Boyce

On 27 October, 2012 ACM organized an industrial visit to Godrej & Boyce. 15 students who attended the NDT workshop were accompanied by Prof. Abhishek Vichare



Dear Readers,

It gives me immense pleasure to present to you this edition of ACM DBIT's Newsletter. We at ACM DBIT have continued the legacy of being the most active organization at DBIT and like every other semester, this time too we have success-

fully organized several events for our students, the most prominent one being 'Illuminus - A confluence of extraordinary minds' featuring some of the IT industry's biggest heavyweights as panellists.

We have been implementing various theories and pedagogies, each offering a better way to assist students in the learning process in multiple facets over the years since its inception. Today there is a need for a close-knit interaction between Academia and the Industry. Over the past several years, ACM DBIT has been providing guidance and expertise to students who aspire for Industry Certifications and Training, exemplars of which are: Web DND (Web Design N Development), NDT, Oracle, SCJP, SAP training course, IBM's DB2 Certification & IBM's Tivoli conducted by us this semester.

ACM has become a vibrant and an

active organization under the dynamic and visionary leadership of our Director Fr. Adolf, Administrator Fr. Edward, Principal Dr.N.G Joag, Head of R&D Dr.S. Krishnamoorti, Dean Ms. Prasanna Nambiar, Mr. D Sundararajan and the Staff of DBIT who supported our activities in many ways.

Very importantly our Faculty Coordinator Mr. Imran Ali Mirza has been a continuous source of encouragement with his tremendous support in making all our activities a great success! Lastly, bringing up this newsletter would not have been possible without my enthusiastic & dexterous Editorial team. It has been a delightful experience working with this team. Thank You!

I'm also thankful to the student community for their active participation in the seminars and workshops and for their overwhelming response which encourages us to serve the students in a better way each time. I hope you enjoy reading this newsletter and tell us how we can improve our efforts to bring you quality deliverables.

Happy Reading!

Regvina Oliveira
BE Computers
Publication Head, ACM DBIT

Secretary's Message

**"Coming together is a beginning.
Keeping together is progress.
Working together is success."
- Henry Ford**

As Helen Keller puts forth candidly, 'Alone we can do little, together we can do so much!' Since the embarkation of the ACM Committee in early April this year, there has been one single resolve in the minds of the core members; to strive hard and make ACM the most dynamic organization in DBIT and about six months up the lane, we can say we are working towards it rapidly and soon hope to close in on our goal!

ACM, as a student organization has always strived to deliver the best to its student members. We believe in innovation and exploration of ideas. And to promote this, we organized a host of workshops and seminars to give the students a platform on which they can build their skills and have an edge over the others. Web Design and Development Courses, IBM Certifications, ASNT Certified NDT Course, Workshops helped our students gain an insight into the booming technological world in which every aspiring engineer must undoubtedly be a part of!

This six month span saw a host of events and big names that put ACM DBIT at the helm of Don Bosco Institute of Technology. We had events like Illuminus, Engio, Inauguration of IBM Centre for Excellence that marked a standard at DBIT. We were proud to put forth Illuminus - A Symposium which not only helped to abridge the gap between academia and the industry throughout Mumbai but also made DBIT popular in the newspapers. This year ACM also dabbled in philanthropy by providing IT solutions to NGO's free of cost. Due to the number of IBM certified students in DBIT, we also had the IBM Vice - president inaugurating our Centre for Excellence. We are glad to taste success in almost all our endeavours for ACM-DBIT.

All in all, working with a team that believes strongly in excellence is a rewarding experience. We shall strive hard to make the next semester at DBIT an unforgettable one with more events and Industrial Visits making it one of the most spectacular years DBIT has seen!

"No one can whistle a symphony. It takes an orchestra to play it."

- H.E. Luccock

Regards,
Elma Pinto, Executive Secretary, ACM -DBIT

Community News

A half yearly newsletter of the ACM community

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A Review on Joomla.

Ajit Varghese (TE Comps)

Joomla 3.0 includes superior features including support for HTML5, CSS 3 & a new major development mobile friendly website design - a major update in this version.

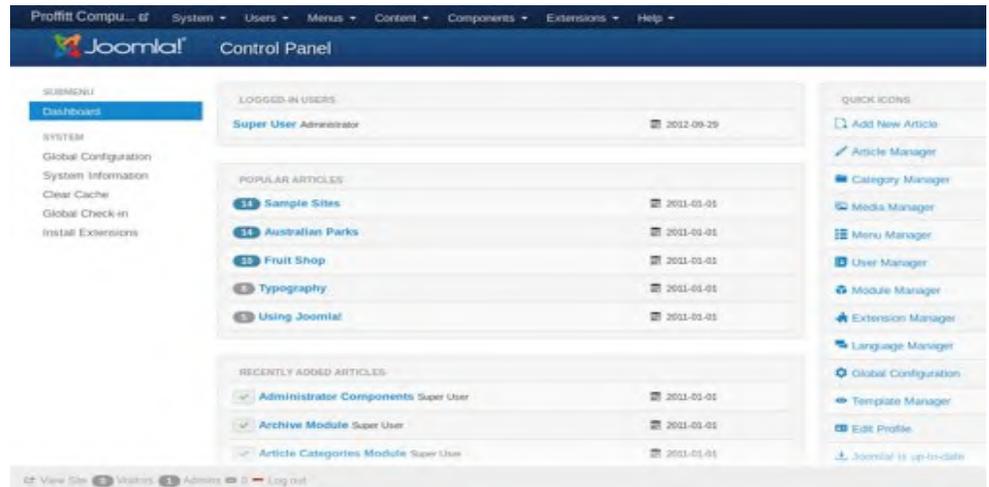
Bootstrapping it

Joomla 3.0 adopts the Twitter Bootstrap, a framework of CSS & HTML design templates required to combine forms, buttons, typography & other components. This helps the backend interface look scalable & pretty on mobile phones. One more advantage of using this framework is that the 10,000 plus extensions available in Joomla community could be utilized in all cross-platform environments.

Other important features include support for the open-source PostgreSQL database in addition to the databases MySQL and Microsoft SQL supported by Joomla. Other innovative features include the Template Copy feature which provides capability to copy a template & installing language packages directly from Extension Manager.

Interface

Joomla's traditional backend was great with big interactive button tiles which makes navigation super simple. But the new design will help beginners greatly. At the first glance one will surely raise the question, "What is Wordpress doing in Joomla?". It's not that Joomla has copied Wordpress but only the control features are organized in blocks which are similar to Wordpress.



Redesigned Joomla 3.0 Interface

Site Management

The new layout replaces the smaller Configuration option icons with bigger buttons which is a great change making it more accessible.

Bottom Line

Joomla has a lot of offering for mobile developers with this release update. Along with this, the new back-end design is great for web-beginners. Joomla is recommended for somewhat complex websites that are robust & flexible.

At a Glance Joomla 3.0 - Open Source

Price: Free

Pros: Support for mobile platforms, Easier controls making it better for beginners, easy installation, huge community base & 10,000 + extensions.

Cons: Difficult to integrate custom PHP coding.

News in Brief

PHP, MYSQL, XAMP workshop by Prof. Krishnakant Mane

Students were given an introduction to free and open source software and introduction to MySQL with hands on exercise in MySQL. PHP which is a strong scripting language for web designing.

NASSCOM - engiO

engiO is a joint initiative between the NASSCOM Foundation and ACM, DBIT. It was attended by the NASSCOM Foundation VP Brett Sedgewick. NASSCOM's engiO event was organised in the first week of October on account of the 'Joy of Giving' week, providing IT solution to the NGOs.



Cloud Gaming



Ajit Varghese & Randolph Pereira
(TE Comps)

It all started in May 1972 when Magnavox demonstrated the world's first gaming console which had merely 6 gaming cartridges and come 2013 we are all surrounded by the Xbox's and the PlayStation's of the world with an ever-growing hunger for improved graphics and gameplay. The gaming industry is a multibillion dollar industry which is changing by the day, it pumps in a lot of money for research on future gaming technology and one such technology is cloud gaming.

It began with the concept of cloud computing which eventually led to cloud gaming, many leading players in the gaming industry have either released or are in the phase of releasing products related to cloud gaming. Cloud gaming is not a new concept. It all started in year 2000 itself when g-cluster demonstrated cloud gaming over Wi-Fi. The reason why this technology is suddenly all over the place is due to the exponentially growing sales of hand held devices. Playing games at any time anywhere and with hardware that is not powerful enough to run a game is a player's dream. The concept of cloud gaming upto some extent, just does that. Before discussing more about it lets get to know how this technology actually works.

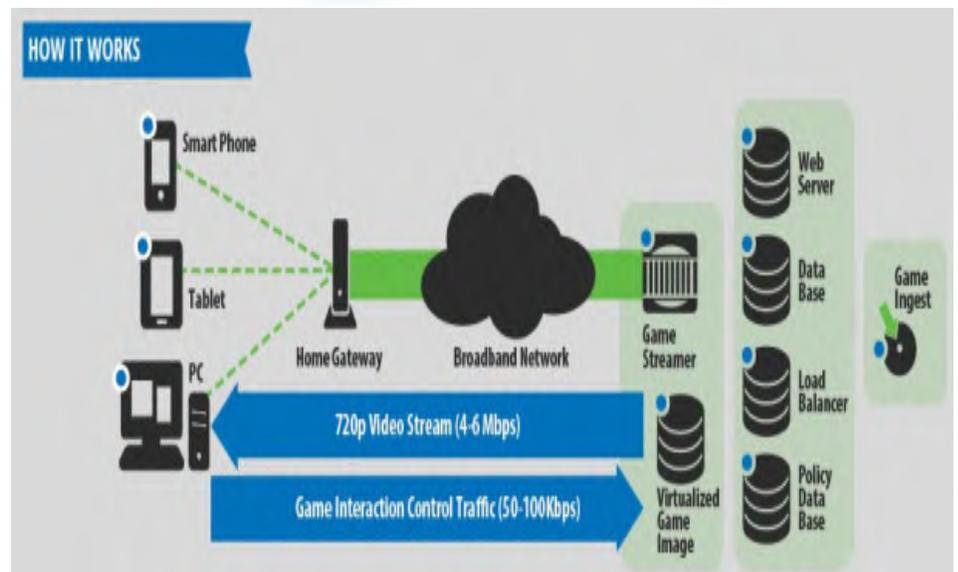


In other words game code execution occurs at the server, which allows the user to play games that are natively not supported by their computers, since all the operations are done by the vendor's server. However it involves many more concepts than it meets the eye. On the backend we have various computers, servers and data storage systems that create the entire ecosystem of cloud services. A central server administers the system, monitoring client demands and traffic to ensure smooth running of the system. It follows a set of protocols and uses a software called middleware. Middleware acts as a medium through which various computers can communicate with each other. Servers do not run at their full capacity all the time.

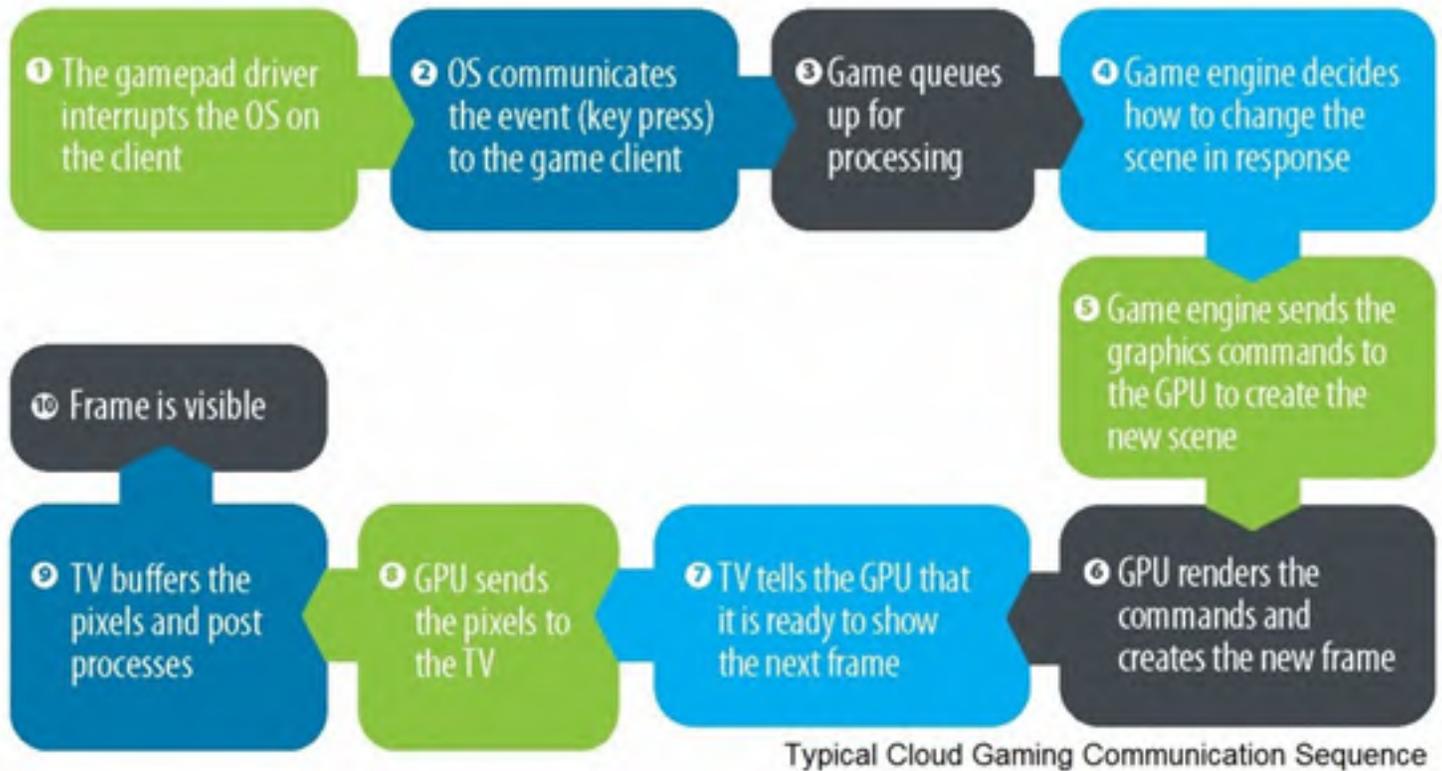
This means that there is processing power that is not being utilized and is going waste. It's possible to trick a physical server into believing it's actually multiple servers, each running with its own independent operating system. This technique is called server virtualization. By maximizing the output of individual servers, server virtualization reduces the need for more physical machines. As compared to other companies, cloud gaming companies have to store more user data. They have to keep copies of the user data due to server failures or any such problems. These copies enable the central server to access backup machines to retrieve data that otherwise would be unreachable. Making copies of data as a backup is called redundancy.



It allows on-demand streaming of games onto your computer which works on the same lines as video on demand. It takes advantage of your broadband connection and cluster servers to stream games directly to your computer from your vendor's server. This eliminates the need for the user to download and install a game. The data that is going to be generated during playing the game is executed on the server.



Below is the typical sequence how the client and the host communicate with each other



Earlier this year in July with Sony buying the world's largest cloud gaming service provider Gaikai for US \$380 Million and with NVIDIA releasing graphic cards specially designed for cloud gaming and with a speculated launch of AMD also releasing its graphics card range based on this new technology in 2013, Cloud computing is getting bigger. However like any budding technology it comes with its own drawbacks- the major one being latency. Even if your internet connection is fast enough you still won't get the same experience as playing on a local PC. However better game engines are being designed to overcome this drawback. We are still waiting for this platform to get mature with many game grids and new services in the development phase. So we leave it up to you to decide the feasibility of this technology.

Community Profile

The past semester has witnessed a number of activities within the ACM Student Chapter. From the first ever Inter College Online Technical fest - Teknack to teknack file, hosting it all has been a rollercoaster ride. The people who have stood by each other as pillars of strength during tough times are none other than the core committee members. The ACM-DBIT core committee is as follows:

Chairman: Bibin Rajan
Asst. Chairman: Sydney Monis
Executive Secretary: Elma Pinto
Associate Secretary: Sujeetkumar Sinha
Technical Head: Sagar Raut,
 Stephen Santhmayor
Treasurer: Sujit Ajit Kumar
Publicity Head: Adriel Pinto
Asst. Publicity Head: Shubham Rai
Designing Head: Neil Alex

Each of the core committee members' together look forward to working towards the development and better functionality of the ACM Student Chapter and to bring about a remarkable progress within the Chapter.

To begin with, web designing and development course, called "WebDnD" was conducted by Mr. Allan Pinto, faculty member of the Computer engineering department with a view of providing a practical-oriented knowledge & a hands-on experience in HTML & CSS. Around 40 students who were willing to be equipped with basic web designing skills, had attended this course.

On 21st September 2012, Don Bosco Institute of Technology, Kurla and ACM-DBIT in collaboration with the project Praviin of IBM hosted a symposium titled 'Illuminus - A confluence of extraordinary minds' at the Santino Mondini Hall, DBIT. The event featured some of the biggest IT industry heavyweights as panelists to discuss an imperative topic - Meeting the industry demands by academia.

This semester also witnessed the happening of the vibrant The Great Mind Challenge - TGMC, powered by IBM. Also separate workshops were on DB2 and Tivoli were conducted by IBM to help students develop their projects. The students were later certi-

fied for the courses undertaken.

This year registrations to the ACM-DBIT body increased by two fold. A large number of students were registered with the International ACM organization. The ID cards contained the ID no. provided by the International ACM body, and could be used as a photo ID. Also workshops were conducted regularly on different technologies like PHP, MySQL, Photoshop and Linux to encourage students to learn and do things out of the box.

On the occasion of the joy of giving week (Oct 1-7), "engiO", an NASSCOM foundation initiative & powered by ACM-DBIT had provided a platform where NGO's provided real life situations, creating opportunities for students to work on those projects & give their technical knowledge for the welfare of the society.

All the events were a success, all thanks to the sincere and dedicated efforts of all the members of the ACM-DBIT Chapter.

Community Reviews



Each month we review something of interest to the community.

Adobe Photoshop

Conducted by : Sagar Raut

Adobe Photoshop is a graphics editing program developed and published by Adobe Systems.



Reviews:

"Got to learn some really cool trick on photoshop, very useful."

- Sharon Rodrigues.

PHP, MySQL, XAMPP

Conducted by : Prof. Krishnakanth Mane(IIT-B)



With PHP, you can connect to and manipulate databases. MySQL is the most popular database system used with PHP. XAMPP is a free and open source cross-platform web server solution stack package, consisting mainly of the Apache HTTP Server, MySQL database, and interpreters for scripts written in the PHP and Perl programming languages.

Reviews:

"One of the most informative workshops I attended so far. MySQL and XAMPP are very essential and vital while implementing projects."

- Pooja Shirke

Backtrack

Conducted by : Elton D'souza, Yashbeer Singh



Backtrack OS was named after backtracking, a search algorithm. BackTrack provides users with easy access to a comprehensive and large collection of security-related tools ranging from port scanners to Security Audit.

Reviews:

"Thanks a lot.. indeed a very good learning experience."

- Yogesh Maurya

Joomla

Conducted by : Ajit Varghese, Sujeetkumar Sinha



Joomla is a free and open source content management system (CMS) for publishing content on the World Wide Web and intranets and a model-view-controller (MVC) Web application framework that can also be used independently.

Reviews:

"It was fun learning Joomla. Didn't know making web pages would be so simple and interesting."

-Apurva Chitnis

PC Assembling

Conducted by : Stephen Santhmayor

A PC computer is a modular type of computer, it can be assembled using hardware components made by different manufacturers, so as to have a custom built computer according to one's specific needs.



Reviews:

"Gained a lot of information from this workshop. Thanks!"

-Karen Corda

Linux

Conducted by : Payal Kadam

Linux is a Unix-like computer operating system assembled under the model of free and open source software development and distribution.



Reviews:

"Linux has a lot of advantages over other operating systems. Good to be more acquainted with it through this workshop."

-Gayatri Gole

Community Calendar

16th August 2012

Workshop on Adobe Photoshop
By Sagar Raut

Workshop on Backtrack.
By Elton D'Souza, Yashbeer Singh

21st September 2012

Illuminus

21st and 23rd August 2012

Workshop on PHP, MySQL & XAMPP
By Prof. Krishnakanth Mane(IIT-B)

Workshop on Joomla
By Ajit Verghese, Sujitkumar Sinha

25th and 27th September

Workshop on Linux
By Payal Kadam

6th September 2012

Workshop on NDT Demo
By Mr. Jessudhason.

Workshop on PC Assembling
By Stephen Santhamayor

27th October 2012

Industrial visit to Godrej & Boyce Ltd.

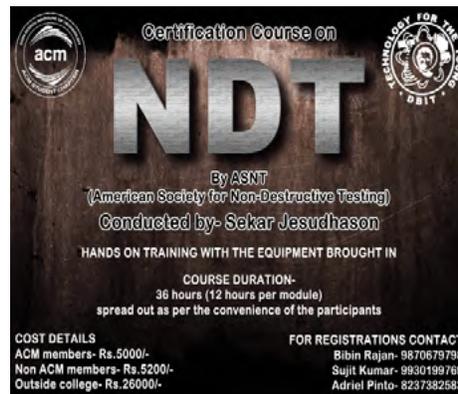
'BE'ing @ACM - DBIT

Nigel Mascarenhas (TE EXTC)

Well begun is half done. With the start of the new semester and with the new core committee being formed, everyone was eagerly waiting for the ACM workshops and much more. But prior to this, registration for the members of ACM was put up. Students came in large numbers to be a part of ACM DBIT. More than 340 students joined ACM and became a member. Each member was given an ACM-DBIT ID-card.



NDT certification course was conducted by Mr. Jesudhasan Sekar. 15 students were certified in 3 modules - Magnetic, Liquid particle and Ultra sonic. There was also a one day industrial visit to Godrej and Boyce Ltd., Vikhroli on 27 October, 2012. This IV was a part of the workshop on training in Non-destructive testing held by ACM Student Chapter. Students received an in-depth exposure of various processes that take place in manufactur-



engiO is a joint initiative between the NASSCOM Foundation and ACM, DBIT. It was attended by the NASSCOM foundation VP Brett Sedgewick. NASSCOM's Engio event was organised in the first week of October on account of the 'Joy of Giving' week. ACM DBIT members actively took part in the event. There were 10+ participating NGO's as a part of the Joy of the Giving week. Some of them being Salaam Baalak, Annamrita (from ISKCON), Family Planning Association of India.



Web design and development course (DND): This event was conducted on June 2012 by Prof. Allan Pinto. There were 50 participants. The course was for 5 days with 8 hours per day to give a total of 40 hrs. It gave beginners an insight in working & development of websites. On completion of workshop, students host their websites on a free domain using Cpanel. The event was a huge success.

Illuminus focused on expectations of industry from engineering students. It took place on 21 September 2012 (2pm to 5pm). Illuminus focussed on making the most of every opportunity. Engineers are creative, innovative and competent but it is seen that there is an unsettling gap between academia and industry due to lack of information and awareness among student community.

IBM Launches Centre of Excellence in collaboration with DBIT. DBIT is set to collaborate with IBM. The IBM Center of Excellence is an academic initiative program offered by IBM. It provides training and guidance on the State of the Art tools designed by IBM like DB2 tools, RAD, RFT, and LOTUS Etc. Our CoE Lab is equipped with 60 latest configured machines having internet connectivity with 10 Mbps lease line.

Don't just blend in



Stand Out
WEB DND



ACM Editorial Team 2012-2013



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