Dronacharya College of Engineering

ISSUE

Computer Science Engineering

In This Issue....

From Editor's Desk :

Within a vibrant, ever-challenging and supportive teaching-learning environment, **Dronacharya College of Engineering, Gurgaon** discovers, disseminates, and applies updated knowledge through teaching and learning, research and creative activity, community involvement and consultancy. **DCE**, **Gurgaon** is a channel for giving a national and international voice to innovation, thus ultimately taking a lead role in placing India on the global forefront.

The college provides perfect ambience and environment for pursuit of academic excellence. We follow an innovative learning approach comprising class learning, individual learning, group learning, real life projects, community services and problem solving. We provide a disciplined, peaceful and harmonious atmosphere which enables the students to experience the learning, knowledge and wisdom they acquire.

We organize curricular and extra-curricular activities for the students, including **Quiz Contests, Seminars, Declamation Contests, Group Discussions and annual play productions**. The faculty members are actively engaged in research pursuits .

We are proud of a vibrant campus and a thriving community comprising talented students, great faculty and state-of-the art-infrastructure.

Editor, (Dr. Sunil K. Mishra)

From HOD's Desk :

Our aim is to facilitate "Quality Engineering Education" to equip and enrich young minds to meet global challenges in development, innovation and application of technology in the service of Humanity. This is achieved through a combination of formal lectures and hands-on experience in well equipped laboratories and through project activity.

We regularly organize Conferences, Seminars and Workshops to keep in pace with the current developments in the research community. Our objective is to impart technical knowledge par excellence, motivate the learners in research, develop innovative techniques in engineering, provide comprehensive education and synthesize in its educational process, professionalism with technological and managerial knowledge.

The Computer Science and Engineering Department of **Dronacharya College of Engineering, Gurgaon** has always made its presence felt in the educational arena through its accomplishments.

Head of Department, (Prof. (Dr.) S. V. Nair)

DreamSparkYatra – An Initiative of Microsoft :

The determination and dedication of the students of **Dronacharya College of Engineering, Gurgaon** attracted the personnel of **MICROSOFT, INDIA** for organizing the **DREAMSPARK YATRA** for the third consecutive time. The Microsoft Dreamspark yatra is an opportunity for the student community to benefit from the programs run by Microsoft.

The Department of Computer Science Engineering organised a one-day **Dream Spark Yatra (an initiative of Microsoft, India) on 3rd April 2012** at the college campus. The main objective behind organizing this event was to broaden the technical horizon of the students pursuing a career in **Computer Science/IT** and to inject them with skills of techno-professional world.

Mr. Vinod Unnay, Regional Director for Microsoft North India, **Mr. Syed Mustapha,** a **Software Engineer in TCS, Mr. Vikalp Handa, Microsoft Student Partner from Chandigarh**, **Mr. Piyush Saini,** an expert on **Cyber Crimes** were speakers who shared their views on **Windows, Windows Phone 7**, **Cloud Computing**, **Microsoft XAN Game studio 4.0** empowering students who are passionate about technology to get an insightful overview of the current trends in the software industry.

Welcome to Vinod Unnay (Microsoft, Regional director) by Principal Prof. (Dr.) B. M. K. Prasad

Microsoft Dreamspark Yatra presenting by Vinod Unnay (Regional director)

Online test :

We are organizing Online Test with collaboration with **IIT Mumbai,** where we are having an online workshop for 2-4 hours and then online test for one hour. The content of the workshops is very informative and students immensely enjoyed the session. The Students have cleared with above 60% and more. Students were very happy as they had the feeling of on line test for the first time. More than 75 students have received certificates for **LINUX**. We are online connecting to them on **SKYPE.**

Seminar on Android :

An **Interactive Seminar on Android Application by Crezion technologies** was organized on **9th April, 2012.** The aim of the seminar was to aware the most popular mobile operating system wherein a number of students from various colleges learnt the **applications of Android.**

Seminar on Android application : a still

Farewell Function 2012 :

Dronacharya College of Engineering, Gurgaon celebrated the farewell function **(Bidai - Samaroh)** for its 11th batch on **27th April 2012.** The day witnessed an unforgettable farewell to the Final Year students, hosted jointly by the first, second and third year students in a very well organized and fabulous manner. The **"Bidai- Samaroh"** commenced with the lighting of Lamp by the **Hon'ble Chief-Guest Lt. Gen P.S. Bhalla, Director General, National Cadet Corps, He presided over the occasion along with Col. Daljeet Ahlawat and Col. Sukhdev Singh who also enjoyed the function and were reminded of their University days.**

Addressing the students, the **Chief-Guest** congratulated the students and hoped for a bright and rewarding career ahead. He stated that the demand for quality engineers has been increasing day by day. He appreciated the steps taken by **Dronacharya College of Engineering** in imparting technical education to the students of rural areas as well. He also encouraged the students to have a holistic view of the world once they enter their professional career. He appreciated the college fraternity for its well developed infrastructure meant for imparting application-oriented technical education and training-based discipline for overall development of the students.

Hon'ble Chief Guest Lt. Gen. (NCC) AVSM . P.S. Bhalla Garlanding the Goddess of Wisdom

Hon'ble Chief Guest addressing Dronacharyan at Farewell Function 2012

Hon'ble Chairman Dr. Satish Yadav giving blessing to the students

Principal, DCE, Gurgaon, motivating the students

Fabulous Performance by junior Dronacharyans at Farewell Function 2012

Band Performance by the students

Hon'ble Chief Guest giving away the certificate to the student for overall performance

A meritorious Dronacharyans being encouraged at Farewell Function 2012

Research Mind Print :

Research support activities aimed at developing and integrating technologies both in advanced emerging areas and in traditional sectors / areas. Under the esteemed guidance of *Mr. Vishal Bharti, Associate Professor and Process Head Research,* these R&D activities and feasibility of fresh ideas / concepts are assessed for their potential into useful technology / product output. *17 International and 12 National Level Papers are published by the students of CSE Department.* The detail of the same is given below:

International level publication :

- *Shweta Aggarwal & Utkarsh Jaiswal "Ant Colony Optimization" International Journal of Scientific & Engineering Research (IJESR) Volume 2 Issue 7, July 2011.*

- *Akhil Mangla And Prerna Mangla, "Idea Generation Algorithm Assessment With Evolutionary Genetic Algorithm", International Journal of Multidisplinary Research & Advances in Engineering (IJMRAE),* ISSN 0975-7074, Vol. 3, No. IV *(October 2011)*, pp. 441-456

- *Priyanka Yadav, "Digital Signature", International Journal Of Data Ware Housing And Mining, IIJDWM,* Volume 1, Issue 2.

- *Mayank Thapliyal , Gaurav Jain, "Peer to Peer Grid", International Journal of Computer Science Issues - IJCSI* , Volume 8, Issue 6, *November 2011*.

- *Piyush Kapoor, Sahil Anand, "Switching To Sphere-Shaped Display In Surface Computing", IIJDWM (International Forum Of Researchers Students And Academician),* Volume 1, Issue 2, *Nov2011* http://www.ifrsa.org/index.php?option=com_content&view=article&id=44&Itemid=43

- *Akhil Mangla And Prerna Mangla "Idea Generation Algorithm : A Mathematical Model" International Conference On Computer science and information technology (ICCSIT) 2011*

- *Mohit Jain, Mohd. Danish, Hemant Yadav, "Cloud Computing And Online Operating System", International Journal of Computer Technology and Applications*., Vol 2 (6), 1795-1799, Issn : 2229-6093, *IJCTA | Nov-Dec 2011*.

- *Mousam Dagar, Priyanka Sangwan, "Spoofing Media Access Control (MAC) & Its Counter Measures", International Journal of Mobile & Adhoc Network, IJMAN,* Vol 1, Issue 3, *Nov 2011*

- *Shweta Aggarwal, Utkarsh Jaiswal, "Kryptos+Graphein = Cryptography", International Journal of Engineering Science and Technology (IJEST)* Volume 3 Issue 9, *September 2011.*

- *Tushar Chandhok, Rahul Rayu, Sanjana, "IPv6 The Next Generation Internet Protocol", International Journal Of Education And Information Studies (IJEIS)*

- *Joystna, Akhilesh, Shaan, Chitransh" Human Computer Interaction," SENSORDEVICES 2012*

- *Surbhi, Neetu, "New Era in Technology : Grid Computing", International journal of Computing, IFRSA's International Journal Of Computing*, Vol 2, Issue 1, *January 2012*

- *Siddharth Kathuria, Rahul Khemani, "Protection Of Users In Multimedia Communication Along With Data" IIJDWM(International Forum Of Researchers Students And Academician),* Volume 1, Issue 2, Nov 2011 http://www.ifrsa.org/index.php?option=com_content&view=article&id=44&Itemid=43

- *Sahil Chhabra, Sarita, "Wi-Max Applications for Utilities", International Journal of Engineering Studies* ISSN 0975- 6469 Volume 4, Number 7 **© *Research India Publications***

- *Surbhi, Saurabh,"Upcoming Technology : Grid Computing", International Journal of Computational Intelligence and Information Security* Vol. 7 No. 11, *2010.*

- *Sonam Rohilla, "E Commerce", International Journal of Computer Vision and Image Processing (Open Access Journals),* Vol. 1 no: 1(Jan-June 2012).

- *Sambhav Singh Chauhan, Ashish Khurana, "BOSS Version Of Linux", International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 4 Number 8 *(2011) Research India Publications*

National level publication :

- *Chitransh, Deepak and Ankur, "Iphone 4 And The IOS Operating System", National Conference on Nanotechnology (NCNB 2011), PDM CE*, *Bahadurgarh*

- *Barkha Mehta, Anoop Singh, "Virtual Reality", National Conference On Future Technologies In Science And Engineering FTSE, November 17-18, 2011*

- *Hardik Suri, "Implementing "Syn" Based Port Scanning In Windows Environment", Dronacharya Research Journal,* Issue II, *Jan-June 2010*

- *Abhinav Dawar, Garima Sharma," CLI : New Evolution of Next Generaion Firewall"* , *Dronacharya Research Journal*, Volume II Issue II, *July Dec 2010*

- *Vivek Bansal, Uma Anand "Oms Java : Object Oriented Framework & Web Site Engineering" , Journal Of Current Engineering Research, ISSN 2250 2637, Volume 2 No. 2 March-April 2012*

- *Saurabh Gupta, "Security Of Mobile Agent In Ad Hoc Network Using Threshold Cryptography", Journal Of Current Engineering Research,* ISSN 2250 2637, *Volume 2 No. 2 March-April 2012*

- *Rajan Arora ,   Gaurav Jain , Garima Bhasin,* " MEMRISTOR : A breakthrough in future", *National Conference on Emerging Trends in Intelligent Computing & Communication (EICC-2012).*

- *Sumit Bisht, Rajan Arora, Sumit Ghulyani, "GOOGLE CHROME OPERATING SYSTEM The Next Big Thing in Cloud Computing" , National Conference on Emerging Trends in Intelligent Computing & Communication (EICC-2012)*

- *Barkha Mehta, Anoop Singh, "Positive Intelligence and Positive Thinking" Conference on Reflections on Youth and Positivism, Amity University 2012*
- *Richa Dubey, "An Algorithm For Steganography", National Conference on Advances in Engineering & Technology (Jigyasa-2012) sponsored by IEEE, Birla Institute of Technology, Muzzaffarnagar. 16th-17th April*
- *Sonam, Richa, Saurabh, " E-Commerce" , Journal Of Business Management, JBM, Jan-Jun. 2012*
- *Prerna Mangla , Global Hospital Management and Health Care a Web Based Platform", Emerging Trends in Mechanical Engineering, ITM University Gurgaon.*

Placement :

Our Department does not leave any stone unturned in assisting the students for their career and placement. We conduct PDPs, Mock Interviews, Aptitude test, GDs etc for better placement. In this semester following students of **CSE department** who are placed in various companies like **Indian navy, I Gate Patni, HCL Technologies, HCL Comnet, Mu Sigma , KMG infotech Ltd**. The Placement Co-ordinator has been assisting the students in paving a way to their careers. Regularly conducts training programmes to prepare the students to face the recruitment process and to meet the needs of the industry. Arrangements for Pre-Placement Talks, Written Talks, Written Tests, Interviews and Group Discussions are made as per the requirement of the visiting companies. It bridges the gap between the industry and institutions.

Projects Undertaken :

E - Voting System

Project Guide : Mr. R. R. Chaudhary

Team Members :

- Harshit Rastogi (Roll No:11041)
- Mohit jain (Roll No:11062)
- Mohit Kalra (Roll No:11063)
- Jag Mohan (Roll No:11047)

This project is aimed at developing a comprehensive solution on **E-Voting System** that serves to provide new opportunity for all those voters who are not in their constituency to exercise their franchise on polling day thru e-Voting System. This will add lot of value to the government effort to raise the poll percentages which in most of the cases is miserably low because of few groups who always happen to be on duty **(like Army, Police, Paramilitary forces, NRI's etc.)** Internet voting technology offers exciting new possibilities for these groups and many other which have not been counted like using the same concept for market polling on different commodities before launching into the market.

Harshit Rastogi

Mohit Kalra

Campus 24x7(with SMS alerts)

Project Guide : Mrs. Chitra Kaul

Team Members :

- Akshay Sharma (Roll No:11010)
- Isha Sharma (Roll No:11046)
- Himanshu Mehta (Roll No:11044)
- Jatin Sareen (Roll No:11050)

This project is aimed at developing a network solution for the students and teachers to communicate with each other via a web portal and as a communication solution for Sending and Receiving student information to and from a centralized database of a College via **SMS**. This project is aimed at developing a network solution for the students and teachers to communicate with each other via a web portal and as a communication solution for Sending and Receiving student information to and from a centralized database of a College. The students can communicate with each other on the web portal share views and notes online. The students can also upload assignments and teachers can give a mark on their wall by selecting stars from a 5 point star karma. The Students can receive information or alert messages from the administrator as well as query the database for their respective library dues internal marks and details of attendance on their cell phone by sending a sms to a number.

Akshay Sharma

Isha Sharma

Jatin Sareen

Himanshu Mehta

Student's Viewpoint :

I wish to express my gratitude to our **Dronacharya College of Engineering** for giving me a chance to be a part of **Computer Science Engineering Department**. The department concentrates on the overall development of students. Apart from aiming at academic growth it also aims at improving the moral values of students. Our department has set the foundation for events that have inspired students to move out of the classrooms to enhance technical skills and develop personality through various activities. Students are taught leadership qualities and are trained for their bright future.

Chetana Yadav (Roll No. 11030)

It is proud privilege and delight for me to be a part of this leading department of our college. I am in true spirit to say that I've groomed under such a department which is full of innovation, exploration, Victories and ton of smiles. In our department, I have learnt "the art of working hard without leaving a single stone unturned" which has lead to me path of success..

Neha Sethia (Roll No. 11072)

CSE department has provided the best experience in my college life. Our H.O.D, **Prof.(Dr.) S. V. Nair** is a great source of inspiration and a big motivation factor for us. The department has organized many workshops which has motivated the student to move out of the classroom and think beyond the usual syllabus to keep ourselves up to date with the fast growing tech-world.

Aditi Bansal (Roll No. 11005)

The Department of **Computer Science Engineering** at **DCE** has given me impetus to meet futuristic. Global standard has stirred high level of discipline, sincerity and has made me technically strong, with the spiritual **HOD**, **Prof (Dr.) S. V. Nair**, the majestic and seasoned **Mrs. Chitra Kaul**, and the scholastic **Mr. Vishal Bharti**. In the department there is no student left unheard. It makes me feel proud to be a part of the brand "CSE" of Dronacharya College of Engineering, Gurgaon.

Isha Sharma (Roll No. 11046)

The **Department of Computer Science and Engineering** is enriched with competent and dedicated faculty members to bring out the best in students. Fully equipped air-conditioned laboratories with internet, web application facilities accessible on LAN and Wi-Fi are available for students to provide them on-hand experience on latest software and technology tools used in the Industries. All the laboratories and is equipped with Printers & other equipments.

Ankush Saini (Roll No. 13636)