Dronacharya College of Engineering

ISSUE

Computer Science Department

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From Editor's Desk :

The sign of vigor, the sign of life, the sign of hope, the sign of health, the sign of everything that is good, is usefulness of your knowledge and wisdom.

Engineering education has undergone many conceptual changes since its establishment as a discipline of serious study, innovation and research after the industrial revolution. In the "Nineteenth" century, the emphasis was on innovation and personal ingenuity. The education and training in this period were "How" dominated, and the efficacy of education and training depended largely on the personal skill of the trainers in operating, manipulating and developing new machines and gadgets.

The "Twentieth" century brought in an attitude of scientific analysis involving engineering systems and education became more "Why" dominated, more science based. Knowledge of "Know-why" is better than merely knowledge of "Know-how" became the catchword. Innovations were still important, but problem solving became more and more science driven. The "Twenty-first" century is threatening to be dominated by information processing and management practices. Education and training will not worry about "Why" but "Why Not" and "How Best".

At **Dronacharya College of Engineering, Gurgaon** one can see the infusion of Science and Engineering into technology. We prepare a knowledge workforce through modern approaches of imparting education. **DCE, Gurgaon** also lays emphasis on group projects, research and experiments etc. so that our students learn to be co-operative and productive team members. Industry exposure provides these budding professionals the opportunity to work on current industry problems and to learn to thrive in the conducive work environment. We organize seminars, workshops, conferences etc to make our students well-versed with the latest changes in Science, Engineering and Technology.

Dronacharya College of Engineering, Gurgaon aims at imparting quality education for all round development of its students as technocrats, scientists and humanists of high calibre, imbibe in them the national ethos, moral and social values that the country stood for and provide the many facets of a truly fulfilling learning experience in a highly conducive atmosphere. Here, the faculty and staff members are getting a socially enjoyable, intellectually exciting and professionally rewarding experience.

The College has grown leaps and bounds, vertically and laterally over the years, carrying out its mission continually for the benefit of all sections of the society and to produce competent Engineers.

Editor, (Dr. Sunil K. Mishra)

From HOD's Desk :

CSE department is the most distinctive department, centre of excellence for teaching skills, maintenance of hard core discipline and outstanding placement statistics. Since its inception, the department has always been recognized for providing an outstanding learning environment for the students. It always seeks to establish traditions which will foster the creativity and growth of excellence. The department has the proud privilege of having the blend of exceptionally qualified, dedicated and scholastic faculty. With unique use of highly innovative technology and enduring relationships with various industries, they are in a position to mould the students for demanding and rigorous challenges of present highly competitive world.

Our college **Dronacharya College of Engineering, Gurgaon** is dedicated to developing intellectual curiosity and personal growth of each individual. Department has very close interaction with local and national industry and their inputs are taken into consideration to give value additions to our programs.

"Great things happen when men and mountains meet...."-William Blake.

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

AMCAT Exam :

AMCAT Exam has been conducted for the second, third and final year students on **30th August 2011**. AMCAT Assessments modules ensure a more in-depth assessment of the core domain knowledge of each student with reference to industry benchmarks. Most of the companies call directly students to appear in interview based on valid AMCAT score for placements.

ELITMUS Exam :

Elitmus Exam was also conducted for the final year students on **7th September 2011.** ELitmus Test was a window to intrude in a land of opportunities for the reputed companies. **We applaud the success of Mr. Rohit (CSE), who has scored 97.6 Overall percentile in E-litmus test and Topped in the Campus.**

Events :

EUREKA 2011 :

A lot of people have ideas, but there are few who decide to do something about them now. Not tomorrow. Not next week. But today. The true entrepreneur is a doer, not a dreamer."

- Nolan Bushnell, founder of Atari and Chuck E. Cheese

Entrepreneurs innovate the specific instrument of entrepreneurship. The act is that endows resources with a new capacity to create wealth. Entrepreneurship is neither an art nor a science. It is a practice. And in the present scenario we are shifting from managerial society to an entrepreneurial society. Computer Science and Engineering Department organized **EUREKA 2011**- Asia's Biggest B-plan Competition hosted by The Entrepreneurship Cell, Indian Institute of Technology Bombay (IIT-B) and supported by Nurture Talent Academy was organized on **13th and 14th September, 2011.**

It brought together students from all over the region to participate in the celebration of knowledge and creative extravagance along with experts from the fields of both academic and industry with Dronacharya being the Zonal Centre for this event. The session was began with a B-Plan workshop by **Mr. Amit Grover, IIT-Delhi** and **IIM Indore Alumnus** and **Founder of Nuture Talent Academy** and **Mr. Ishank Joshi,** Relationship Manager, Nurture Talent Academy. Including other eminent Speakers were **Mr. Aloke Bajpai, CEO, Ixigo** and **Mr. Sahel Khurana, CEO, Imax.**

Prof. (Dr.) S. V. Nair encouraging students

Mr. Amit Grover sharing his knowledge

Visit of a Delegate from China :

A delegate comprising **Mr. Huang Zhilang, Mr. Fan yung, Chen Shuisheng, Zhu Qixin, from East China Jiaotong University** visited our college campus on **19th October 2011**. They visited the college with a hope of collaborations with **Dronacharya College of Engineering, Gurgaon** in the future.

Dr. S. V. Nair showing the Labs to delegate

Hon'ble Dr. Satish Yadav giving honour to Mr. Fan Yung

Publications :

Two students **Shweta Aggarwal (Roll no. 11114)** and **Utkarsh Jaiswal (Roll no. 11128)** contributed their papers on Ant Colony Optimization Kryptos+Graphein = Cryptography in **International Journal of Scientific & Engineering Research (IJESR) Volume 2 Issue 7, July 2011 and International Journal of Engineering Science and Technology (IJEST) Volume 3 Issue 9, September 2011**.

Projects Undertaken :

Smart Meter Reading :

A **smart meter** is usually an electrical meter that records consumption of electric energy in intervals of an hour or less and communicates that information at least daily back to the utility for monitoring and billing purposes. Smart meters enable two-way communication between the meter and the central system. Unlike home energy monitors, smart meters can gather data for remote reporting. AMI differs from traditional automatic meter reading (AMR) in that it enables two-way communications with the meter.

Project Guide

- Mrs. Sneha Shatija

Team

- Lalit Garg (Roll No. 11055)
- Mukesh Kumar (Roll No. 11069)
- Kirti Kathpalia (Roll No.11054)
- Aditi Bansal (Roll No.11005)

Smart Meter

SMS API (Application Programming Interface):

SMS API is a interface system project that is made for the benefits of the students which is used to make good communication between the students and college. Project is aimed at developing a communication solution and application which is an integrated interface between website and mobile network. It will perform Information Pull as well as push of information to and from a centralized database of a College. The Students and teachers can receive information or alert messages from the administrator as well as query the database for their respective sessional and internal marks and details of attendance on their cell phone by sending a sms to a number. This project concerns the elaboration of two application studies relating to the development of secure and reliable database connectivity.

Project Guide

- Mrs. Chitra Kaul

Team

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

Student's Viewpoint :

I am a student of 5th semester studying in **DCE, CSE Department.** Our faculty members are very much supportive not only in the college but outside the college also. We have also been provided full support by our faculty members to develop us in the extracurricular activities like attending the seminars, making various projects etc. The department has always given us the liberty to present our views and give suggestions about what we want from our college and department giving importance to each and every student's perspective.

The department is doing it's best to help students. We are grateful to all the mentors and HOD (CSE) to guide us at every step of career.

Dolly (Roll No. 12041)

Our college is one of the reputed colleges in NCR. I am honored to be a part of this prestigious Engineering College. The environment of the college is highly disciplined which inhibits professionalism amongst students. HOD and the faculty members are highly qualified and experienced. They are always ready to help the students and are dedicated to their work. Our college 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.

Chetna Yadav (Roll No. 11030)