



# Dronacharya College of Engineering

## ISSUE

vol v issue LI

## Computer Science and Engineering

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### From Editor's Desk :

Today, we at DCE have deeply immersed ourselves in imparting standard and quality technical education with sincerity of purpose that helps transforming every student who enters our portals into a sparkling diamond.

Our aesthetically built modern campus equipped with the state of the art laboratories has been specifically designed to create a stimulating learning environment. Naturally lighted & airy large corridors, a spacious and gorgeous Auditorium facilitate interaction and make learning a pleasure to Dronacharyans.

Theatre style class rooms, fully air conditioned library stacked with books and journals on a wide range of subjects offer an extravagance to the serious minded scholars. Our Campus is like a breath of fresh air set amidst landscaped gardens and with a highly surcharged interactive atmosphere among students, faculties and mentors. The natural beauty at DCE is captivating, enchanting and magical. It is like a feast for the tired eyes, mind, body and soul.

We also aim at identifying the hidden skills, developing the personality and inculcating human values to make the students emerge into technically qualified professionals fit enough to face the present competitive world. Since its inception in 1998, DCE Gurgaon, has an exceedingly good performance in the **M. D. University, Rohtak** Examinations with remarkable results. We also boast of excellent, experienced and dedicated faculty members who are pillars of strength. Apart from all-encompassing academics, the college provides Industry-Interface, Performance enhancing programs, multiple-skill acquisitions, orientation and induction programs, scholarship and rewards for the deserving and needy students and an elegant and charming dress code.

**"We are ranked one among top 30 private engineering colleges by IBM survey."**

We are always encouraged, motivated and supported by our magnanimous and sagacious Management in making our DCE a dream for others.



**Editor, (Dr. Sunil K. Mishra)**

### From HOD's Desk :

**"The Institute accentuates on more practical approach of teaching and less classroom approach of learning because we trust practical knowledge is imperative to keep abreast with latest technologies in IT world and in itself transcend this into the best art of teaching".**

Our College organizes various programmes for augmentation of students to excel in higher career pursuits. Some programmes which made a rare distinction amongst the knowledge world and within media like **CNBC AAWAZ, DD NEWS etc are HR CONCLAVE 2010, TECHNOVISION, SQL SESSION, ETHICAL HACKING** events.



A vivacious campus, meticulous academics with enjoyable social, cultural and sports activities best minds from the knowledge fraternity have carved out a special niche for the Institute. The Department is continually re-inventing itself in terms of its academic programmes, research infrastructure, entrepreneurial initiatives and hearty Institute-industry partnership to prepare our students to keep pace with the changing times and be part of the new boundary-less, multicultural environment. It has a team of elevated quality full time faculty members engaged in quality research, teaching, learning methodologies and corporate training programs. In terms of infrastructure, Department of Computer Science is one of the best equipped departments in the region and our students are exposed to variety of hardware and software platforms apart from regular routine classroom tasks. Fully Networked campus, High speed Internet & WI-FI connectivity and 'Knowledge Hub' extensive research platform provides our faculty and students an edge over their counterparts.

**My heartfelt gratitude goes to our Hon'ble Chairman Dr. Satish Yadav, Principal Prof (Dr.) B.M.K. Prasad, Dean Academics and faculty members who give us full support in making our programmes staggeringly successful.**

I welcome both the recruiting organizations and our graduating students to find the best match between their needs and capabilities. Everybody has got "will" to "win" and only a few candidates prepare themselves to win.

**Our Gurukul is a perfect dais for preparation, we invite your Participation.**

*Head of Department CSE (Dr. S. V. Nair)*

### TECHNOVISION: A Four Day Mega-event :

#### **Ethical Hacking**

Ethical Hacking was a part of **TechnoVision** that was organised by our college on **22nd and 23rd of September 2010**. Students have interactive session with **Mr. Sunny Vaghela** about Ethical Hacking.

In this programme, Key Speakers talked about many modules like Cyber Ethics, Information Gathering & Scanning Methodologies, Trojans, Backdoors, Google Hacking, Wireless Hacking and security, Web application attacks, Mobile and VOIP Hacking and security, Introduction to Cyber Crime Investigation, Investigation Methodologies etc. He made everybody aware about the relevance, objective and importance of Ethical Hacking in a developing country like India.



**Dr. S. V. Nair HOD CSE & Mr. Sunny Vaghela Consultant, EOU India signing MoU**



**Principal giving Memento to Mr. Sunny Vaghela**

## SQL Session

SQL Session was also a part of **TechnoVision** that was organised on **24th September, 2010**. In this workshop, the guest speaker, **Mr. Sarabjeet Singh delivered a seminar on "Disaster Recovery"**.

Disaster recovery as a concept developed for computer center managers who began to recognize the dependence of their organizations on their computer systems. At that time most systems were batch-oriented mainframes which in many cases could be down for a number of days before significant damage would be done to the organization. The students participated in this workshop with great interest and enthusiasm.



**Mr. Sarabpreet Singh Senior Consultant Wipro Labs delivering lecture**



**Mr. Sarabpreet Singh receiving a Memento from the Principal**

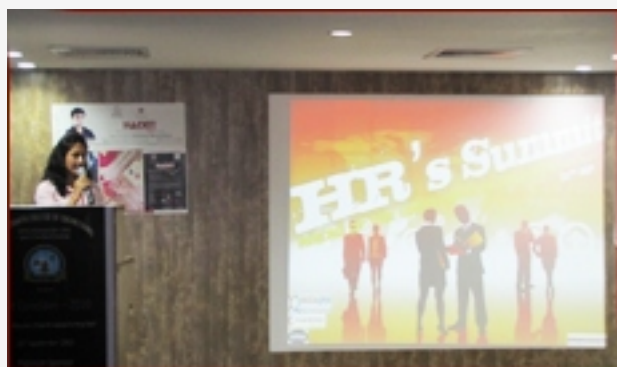
## HR Conclave (Human Resource Conclave)

**Dronacharya College of Engineering** is a touchstone of academic brilliance and technological enlightenment educating young engineers of the highest quality, competent to grapple with challenges of ever changing industrial needs of the country. We organized **HR Conclave on 25th September 2010 to make the students aware of different strategies and skills required for placement**. HR Conclave 2010 is really a mega event for college and with this event so many students got inspiration for doing efforts in making better resume profiling, career counseling because resume is representative of any employee and we invited so many directors from various industries.

In today's scenario where the education system is producing a large number of professionals, we would like our students to be a part of a forum which throws light on how young educated engineers can adapt easily and efficiently to the professional corporate sector. The agenda of the Conclave were building a transformed skilled culture practices, Perspective - Challenges of humanism and economic competitiveness etc.

There are certain traits which are essential for an individual to succeed in the industry. Our perspective about those traits would prove to be instrumental in designing the curriculum.

Quality human resources have therefore become an important base to respond the changes taking places in Industries. In today's world of finite resources, rapid change and global competition, it is time for a broad based mind shift and a new vision for organizations based on effective, sustainable principles. Modern business scenario contains only one unlimited resource '**innovation**', the key driver of success.



**Department Representative welcomed the Dignitaries**



**Respected Dignitaries attending the Conclave**



**Honorable Principal Prof. (Dr.) B. M. K. Prasad giving a Memento as a token of honor to Mr. Ajay Kapoor Director, ORACLE and to Ms. Sulachna Vice- President, Max New York**



**Mr. Chandan Gogai CEO, XentaQsys delivering a lecture**



**Principal presenting a Memento to Mr. Aditya Senior consultant of NIIT**



**Principal giving a Memento to Mr. Akash Gupta Manager, Mackenzy**



**Honorable Principal Prof.(Dr.) B. M. K. Prasad Welcomed Mr. Manish Sharma Vice- President HCL**

### *Dronacharya Research Journal (Vol-III) :*

The Third issue of Dronacharya Research Journal is under publication. This has inculcated the activity of research and development in the department. In addition to this, the faculty members & students have also contributed their research papers in this journal. Some of the following papers are selected by Editorial Board for the research journal volume-III.

- ✦ CLI: New evolution of next generation firewall.
- ✦ Generative Computer aided process planning for rational parts.
- ✦ Automation Methodology for subsystem in Component based
- ✦ Cross Border medical tourism

## Placement :

Our College 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. Students of CSE department are placed in various companies like **Hewitt Associates, Amdocs, HCL Technologies, Xerox India, Wipro, Kanbay, Capgemini etc.**

## Live Project Undertaken by Students :

**Our students projects are short listed in FIA(Faridabad Industrial Assosiation), (TGMC-The great mind challenge), IBM, CEERI (Central Electronics Engineering Research Institute of India from Government of India undertaking).**

We prepare our students how to use the concepts and principles of science in technology. Some of their projects are mentioned below:

### Virtualization VM ware

This project details about the VM ware Virtualization, Software that runs application in linux, windows and more at the same time on same PC with no rebooting. Without rebooting definitely programs speed become more faster and become more efficient.

#### Team

✦ Madhuri	(10040)
✦ Paramjeet	(10061)
✦ Pawan Choudhary	(10062)
✦ Prabhjot Singh	(10065)
✦ Pawan Malhotra	(10063)

#### Project Guide

✦ Mr. Sachin Gupta

### Business Marketing Portal mark me

This project details about the entire software requirements specification for the software Business marketing portal a database for online shopping center where the products can be listed categorywise & the customers can surf through in optimized time.

#### Team

✦ Sonia	(10111)
✦ Sumit Gandhi	(10112)
✦ Surabhi	(10116)
✦ Swati Tyagi	(10120)

#### Project Guide

✦ Mrs. Menu Vijarana

### ICC Cricket World cup 2011

This project presents an approach for developing a website on next year Cricket world cup 2011. This is an effort to explore the game cricket in an unique and user friendly so that everyone can easily access the ongoing action at the point of time.

#### Team

✦ Apoorva Yadav	(10010)
✦ Gaurav	(10026)
✦ Gaurav Bajaj	(10027)
✦ Himani	(10028)

#### Project Guide

✦ Mr. Sachin Gupta

## Automated Car Parking allocation portal

This project presents an approach for automating parking system of the year of car and auto allots the parking lot and drivers identification at exit. The system was developed on three levels: the data acquisition level - where data are recorded from field with costs allocators installed on the radiators; a data concentration level - where data registered by allocators are read at a predetermined time interval with data concentration units and a data processing level for uploading information in a PC hosted data base for various works afterwards. For each level was defined the hardware requirements and the software specifications including the communications modules, the meter and the user interfaces.

### Team

➤ Deepak	(10019)
➤ Digvijay	(10023)
➤ Brahm Prakash	(10016)
➤ Jitender	(10031)

### Project Guide

➤ Mrs. Pooja Taneja

### Student's Viewpoint :

Under the guidance of **HOD (CSE), Prof (Dr.) S.V Nair**, the students are bestowed with wings to reach the zenith of creativity and knowledge, which nurtures them to evolve as a competitor in competitive era. Over the session, students are being encouraged not just to be a participant but a leader, a spectacular instance is the success of Mega Event titled "**Techno Vision**" conducted by the students for the students. It offered a platform for the students to encounter professional world and adapt skills to be part of it.

We promise to set such examples which will bring along a revolution in education system in the field of engineering and technology.



**Megha Nanda** (Roll No. 10046)

**"Knowledge is an ocean, every drop counts."**

We, the students of CSE Department are guided from core to crust, to map the path to success. At every phase of this path, students are assisted by the mentors and monitored by **HOD (CSE) Dr. S. V. Nair**.

The efforts put in by the department as a whole, are worth appreciation. I will remain grateful to them forever.



**Minakshi Sangwan** (Roll No: 10048)

Our college **Dronacharya College of Engineering**, Gurgaon is dedicated to developing intellectual curiosity and personal growth of each individual.

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

The saying holds true for our **Department of Computer Science & Engineering**. It has given us impetus to meet futuristic global standards, to instil high pattern of discipline and character building and to be technically strong. For this faculty has introduced various student benefit programmes like TPP, first of its kind, CSI and IEEE. It makes me feel proud to be a student of the CSE department of Dronacharya College of Engineering, Gurgaon.



**Rajat Gupta** (Roll No. 10090)