NEWSLETTER – MAY 2014

Dronacharya College of Engineering

ISSUE

Applied Sciences & Humanities

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From Editor's Desk :

Today, the world is driven by two major Contrivances: the youth and the technology. We at **Dronacharya College of Engineering** are focussed on combining both and creating a powerful society which possesses the capability to drive the future of our Nation.

DCE provides a highly conducive academic environment, interaction with industry and a strong alumni base spread throughout the world. It has an enviable infrastructure fully connected with Wi-Fi facility. The academic pursuit of students is fully supported by highly qualified faculty members and a modern & well stocked library.

Here, the work-culture is very congenial and supportive. Faculty members are always given their due importance and intellectual freedom for pursuing higher studies and attending seminars, conferences, workshops etc.

We take every initiative to provide a platform to the budding engineers who are yet to get shot at proving themselves. We also conduct Personality Development Programmes for their overall development. To ensure success in an interview, we train our students how to maintain Positive Attitude, Leadership skills, Teamwork skills, Critical thinking and problem-solving skills, Interpersonal skills, Communication skills etc.

This is the reason why **DCE, Gurgaon** has become a dream for engineering aspirants.

Editor, (Dr. Sunil K. Mishra)

From HOD's Desk :

Engineering education is all about acquiring and applying technical, scientific and mathematical knowledge to design and implement materials, structures, machines, devices, systems and processes that safely realize a desired objective or invention. The present society is knowledge-based, where talent is the most important asset for any young engineer. In order to utilize the available opportunities to the maximum, it's quite important to change the mindset of the aspirant since the very first day. Change of mindset is only possible if the students also lay emphasis on continuous improvement, life-long learning and scientific temper.

Our vital aim is to groom **Dronacharyans** in a way that could help them touch the pinnacle of perfection. We emphasize on maximum campus placement every year and motivate our talented pool of engineers to serve our nation with dedication, sincerity & integrity.

Today, **Dronacharya College of Engineering, Gurgaon** has become a dream destination for engineering aspirants. We transform young students into confident engineers with a sense of social responsibility, human values and concern for environment. We strive to train the students to become excellent scientists, technologists, thinkers and leaders of the society, and also help them mould themselves into better human beings.

For overall personality development regular counseling sessions are organized focusing on various aspects of personality development like positive thinking, body language, time management, stress management and communicative skills. We also invite psychologists and career counsellors to conduct these sessions, motivate the students and help them to improve the power of assimilation and retention.

In this way, we aspire to reassert the significance of high quality education by producing competent professionals who can shape the destiny of our nation into a stronger and developed stature.

Head of Department, Prof. (Dr.) Sri Krishan Yadav

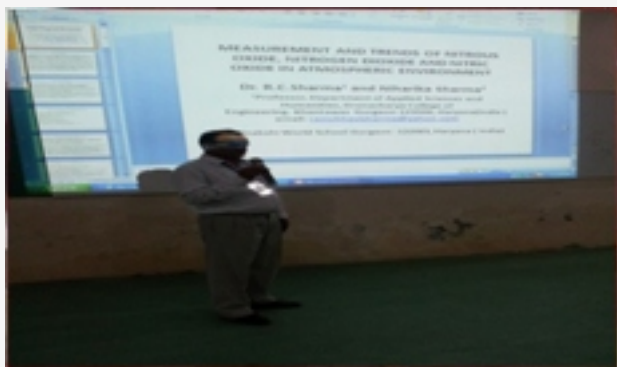## Workshops/Conferences/Seminars /Paper Presentations :

Paper Presentation in the International Conference :

Prof. (Dr.) R. C. Sharma, from Applied Sciences & Humanities Department of *Dronacharya College of Engineering, Gurgaon* presented a paper titled "Measurement and Trends of Nitrous Oxide, Nitrogen Dioxide and Nitric Oxide in Atmospheric Environment" in a two-day International Conference on Emerging Trends in Engineering and Technology conducted by TMU, Moradabad from *9th* to *10th May, 2014*. In his deliberation he explained in detail the role of NOx in Chemistry of Atmosphere and their Environmental impact. This paper has been published in *"Emerging Trends in Engineering & Technology" (ISBN 978-93-5174-119-0). Prof. (Dr.) R. C. Sharma* also chaired a session during the International Conference.

In addition to this various speakers presented their views on Design Methodology for fingerprints Image Enhancement using Filter, Conceptual Framework for Cloud Supported e-Governance Services and Identification of Colors in Photographic Images using Color Quantization, Study on Energy Saving in Residential Building using Life Cycle Cost Analysis, Development of an Automatic Device for controlling water level in Overhead Tanks and Second Law Analysis applied to I.C. Engine Performance etc.

Hon'ble Vice Chancellor TMU *Professor R. K. Mudgal, Prof. B. S. Bisht*, Director BIAS and former Vice Chancellor CBPUA&T, Pant Nagar and by Prof. H.M. Gupta, Professor Emeritus, IIT Delhi *Dr. Avinesh Kumar, Professor, TMU, Moradabad* and other distinguished academician were also present during the Conference. The conference was concluded by *Prof (Dr.) N. K. Joshi, Director College of Engineering, Teerthanker Mahaveer University Moradabad*.

Prof.(Dr.) R. C. Sharma presenting a research paper

ICT Based Programme on Virtual Instrumentation :

Dronacharya College of Engineering, Gurgaon in association with, NITTTR Chandigarh conducted five days ICT Based Programme on Virtual Instrumentation from *28th April* to *2nd May 2014.*

Inaugural address of the program was given by *Dr. Lini Mathew*, from NITTTR, Chandigarh. The Local Coordinator *Prof. Vishal Bharti*, HOD CSE introduced the chiefguest *Prof. (Dr.) M. N. Hussain*, Hon'ble Principal *DCE, Gurgaon.*

5 Days workshop on Virtual Instrumentation

Prof (Dr.) M. N. Hussain and Prof. Vishal Bharti during Inauguration Session

Dr. Lini Mathew delivering a Lecture

The attendees during Project using Lab VIEW

Oracle Technology Network Java Developer Day :

Mrs. Neha Malik faculty from CSE Department, *Mrs. Megha Goel* and *Mr. Dharmender Pal* faculty from IT Department, attended a one-day Seminar on Oracle Technology Network Java Developer held at Eros Managed by Hilton, Nehru Place on *24th April 2014.*

The main speakers of the workshop were **Mr. Simon Ritter,** Head of Technical Evangelism, Oracle Corp. **Mr. Naveen Asrani,** Java Project Management Team, Oracle Corp. and **Mr. Kshitiz Saxena** from Application Server Group. The Seminar was organised by Oracle Corporation.

Seminar attended by the faculty members

International Conference :

Mrs. Varsha Shrivastava from CSE Department, presented paper in International Conference on **Technological and Management Advances in the New Age Economy: An Industry Perspective** held at Mangalmay Institutes, Greater Noida on **1st March 2014.**

2nd International Conference held on Mangalmay Institutes

ISTE Coordinators Workshop on Computer Networking :

Mr. Hansraj Yadav, faculty from CSE department of **Dronacharya College of Engineering, Gurgaon** attended one week **"ISTE Coordinators Workshop on Computer Networking"** at **IIT Bombay**, from **5th** to **9th May, 2014** for empowering teachers of engineering colleges. This workshop was conducted under the T10KT project of IIT Bombay.
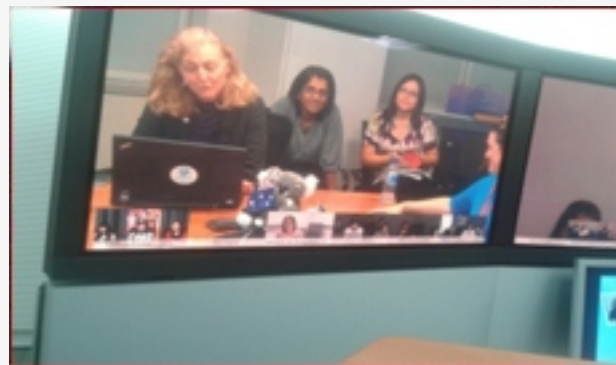
There were a total of 255 coordinators from different parts of India. Inaugurating the Workshop **Dr. Deepak B. Phatak, Professor, Department of CSE, Indian Institute of Technology,** Bombay shared the importance of such workshops for dissemination of technical knowledge.

The coordinators from various colleges attending the workshop

A Session on "Girls in ICT Day 2014" at Cisco Systems Pvt. Ltd., Gurgaon :

On **24th April 2014 Ms. Sarita,** faculty from **CSE Department** and **Ms. Maneela Tuteja** faculty from IT Department attended a Session where leading Cisco and Industry women speakers from around the APAC region inspired the women for participating in networking field. **Ms. Anuradha Sharma (Program Manager India, Cisco Systems India Private Limited)** was the Organizer of this event in **NCR region.**

Speakers during the event for Girls in ICT Day 2014

Memory Power Workshop at ITM University :

On **27th March 2014**, **Fifteen students** from **CSE Department of Dronacharya College of Engineering, Gurgaon** attended a **workshop on Memory Power** at **ITM University.**

The main resource person of the workshop was **"Mr. Virender Mehta".** He has earned the reputation of "**World Record Holder in Memory**" for memorizing all 80,000 words from Oxford Advanced Learners Dictionary 6th edition.

The Speaker "Mr. Virender Mehta" is delivering techniques to reduce stress

Paper Presentation in The ESTEEM-2014 :

A team of three students **Rashmi Dewan, Shivangi Kukreja** from **Computer Science Department** and Deepak Pahuja from **Civil Engineering Department** of **Dronacharya College of Engineering, Gurgaon** presented research paper in 3rd International Conference on "**Evolution in Science and Technology and Eyne on Educational Methodologies" (ESTEEM-2014),** held at Prannath Parnami Institute Of management and Technology (PPIMT), co-sponsored by **Computer Society of India**.

The conference was held on **March 8th - 9th, 2014**. Many renowned people were invited in the conference from different places. **Prof. M. N. Hoda (chairman, division (I), CSI), Mr. Nitin Kathuria (Director General, PPU)**, and many more addressed the conference.

Rashmi Dewan (Roll No-14076) Student of IT Department

Selection as Student Partner for Cognizance'14: A Fest by IIT, Roorkee :

Komal Chauhana student from Computer Science & Engineering Department of *Dronacharya College of Engineering, Gurgaon* has been selected as the Student partner for Cognizance '14, a techno-cult fest organized by *IIT, ROORKEE.*

As the Student Partner, she would get an opportunity to promote, participate and contribute their best in various technical workshops, conferences etc. She will also get a chance to build a strong network with other fellow College Ambassadors and other students to publicize fest related activities that enhance professional development, leadership and communication skills.

Komal Chauhan (Roll No. 15072) from CSE Department

Panel Discussion :

A Panel discussion on Engineering Services was held on *25th March 2014* during *DRONTECH-2014* festival. *Mr. Bimadraj Saran Sinha* and Wing Commander *K. K. Verma* of Ideabulls were panalists of this panel discussion.

Wing Cdr. K. K. Verma discussing on power of unlearning

Mr. Bimadraj Saran Sinha receiving Memento form the Principal

Project Competition at FIA, Faridabad 2014 :

On **26th April 2014**, **Faridabad Industrial Association (FIA), Faridabad** organized the **Best Engineering Project Competition 2014** for the technocrats of various engineering streams like Computer Science & Engineering, Information Technology, Mechanical and Electronics.

The projects titled "Floating Display" developed by **Ms. Parul Bhardwaj, Mr. Saurabh Singh** and **Ms. Ritu Gautam** from **Information Technology Department**, "Virtual Learning" developed by **Ms. Neelam Sharma, Ms. Pooja Yadav** & **Ms. Swati Sharma** from **Computer Science & Engineering Department** and **3E (Eco friendly, Economic, Efficient) Transformer** developed by **Mr. Mohit Sharma, Mr. Manish Saini** & **Mr. Kulshreshta** from **Electronics & Communication Department** of **Dronacharya College of Engineering, Gurgaon** were shortlisted for presentation.

During the **Award Distribution Ceremony** of the Competition, **Hon'ble Chief-guest Dr. S. K. Goel, Managing Director-Star Wires** gave way the prizes for **FIRST AND SECOND POSITIONS** to the projects **"Floating Display"** and **3E (Eco friendly, Economic, Efficient)"** respectively. Both projects were presented and elaborated by the students of **Dronacharya College of Engineering, Gurgaon.**

Mr. Shailendra Kapoor, Director FIA was also present in this award ceremony.

The Students demonstrating their projects

The panellists evaluating the technical projects

Paper Presentation :

Paper titled **"The Role of Zig Bee Technology in future Data Communication Systems"** presented by three IV Sem ECE students (Arfa, Ashish, Anmol) during IEEE sponsored Conference, **SPAT-14** at PDM Bahadurgarh, was conferred first prize in **Apr 14.**

ISTE Co-Ordinator Workshop on Computer Programming :

Mr. Amitesh Kumar, Faculty from Information Technology Department of **Dronacharya College of Engineering, Gurgaon** attended a **"One week coordinators workshop on** Computer Programming" organizedby IIT Bombay under **National Mission on Education through**ICT**supported by MHRD (Govt. of India)** from **21st April 26th April 2014.**

Mr. Amitesh Kumar and Prof. (Dr.) B. P. Phatak during the program

One Day Workshop on "Redefine Virtualization" :

EMC[2] in collaboration with VMWare and CISCO organized a one day workshop on Virtualizationon **21st May 2014** at Hotel Leela, Gurgaon. The workshop was attended by Two Faculties **Mr. Dharmendra Pal** and **Mrs. Megha Goel** from **Department of Information Technology of Dronacharya College of Engineering, Gurgaon.**

Mr. Dharmendra Pal at the workshop

Mrs. Megha Goel at the workshop

Industrial Visit Huawei Telecommunications :

On **5th April 2014**, a group of twenty nine students from Information Technology Department of Dronacharya College of Engineering, Gurgaon visited to **Huawei Telecommunications IndiaPvt. Ltd, Sector 39, Gurgaon, Haryana.**

The purpose of this Industrial visit was to introduce students with various networking concepts like Wireless Telecom (2G/3G/4G), IP - Datacom (Routers, switches, Security & Firewall), Networks (Access, Optix, & Microwave) & Cloud Computing.

Students at Huawei

Two weeks ISTE Workshop on "FLUID MECHANICS" :

Indian Institute of Technology, Kharagpur organized a two week ISTE workshop on **Fluid Mechanics** under the **National Mission on Education through ICT** supported by **MHRD (Govt of India)** from **20th May** to **30th May 2014** at **Dronacharya College of Engineering, Gurgaon**.

The Workshop was co-ordinated by **Department Heads of Dronacharya College of Engineering, Gurgaon.** The lectures were delivered by the distinguished faculty members **Prof. Sankar Kumar Som (SKS), Prof. Suman Chakraborty (SC), Prof. Sandipan Ghosh Moulic (SGM) of IIT Kharagpur.**

Iinauguration speech from IIT Kharagpur

Photograph of the staff members attending the workshop

Seminar on "Teaching Control System Concepts using MATLAB" :

Faculties from **Electronics and Communication Engineering Department, Mechanical Engineering Department** and **Electronics and Computer Science Department of Dronacharya College of Engineering, Gurgaon,** attended a one day seminar on**"Teaching Control System Concepts using MATLAB and Simulink"** conducted by Math Works (leading developer of mathematical computing software) at The Hans, **Barakhamba Road, Connaught place,** New Delhi on **23rd Apr14.**

The seminar focused on teaching engineering fundamentals & concepts using MATLAB in the fields of electrical, communication, mathematics, control and mechanics. This session illustrated the ways that educators can reinforce engineering concepts using the combination of theory with simulations and hardware experiments. Math Works engineers showed examples that ranged from the usage of MATLAB to teach first-year basics of engineering mathematics to the usage of Simulink for control design, multi-domain system design and implementation on real-time hardware for project-based learning. The speaker also briefed on the features of newer version of MATLAB and showed a live demo of a robot using the same.

Participants in the Seminar by Mathworks

Events Conducted By Google Developer Group :

Google Developer Group-Dronacharya College of Engineering conducted two events at the campus namely: Workshop on **Google App Engine** using Python on **April 5th, 2014** and workshop cum hackathon on **MATLAB** on **April 28th, 2014**. The event was graced by Hon'ble Principal **Prof. Dr. Mir Nasser Hussain** and Head of Departments of all branches. Around 40 students from various streams participated.

Objectives of the workshop **(Google App Engine using Python)** included :

- Brief introduction on Cloud Computing.
- Basic knowledge of Python.
- Awareness about Google App Engine using Python.
- Brief about Google and its products.

The **MATLAB** workshop was initiated with briefing about GDG, the workshop was taken ahead by **Mrs. Amninder Kaur,** Assistant Prof. ECE, who gave basic knowledge about Digital Signal Processing and MATLAB software.

At the end of the session Hackathon on MATLAB was conducted for the participants.

Students Participants

Prof. Swati Jha, briefing on GDG-DCE Sub-Chapter

Workshop on Google App Engine

Mrs. Aminder kaur disseminating knowledge on *Anshul Patro, student of VI Sem ECS*
basics of signal processing on *making students aware about Google Developer Group*

Workshop on MATLAB

Student's Viewpoints :

I feel proud to be a **Dronacharyan**. Our HOD **Prof. (Dr.) Sri Krishan Yadav** encourages us to focus on becoming well groomed, able Engineers and not merely people with a technical degree. The faculty members are also extremely helpful and supportive. In the Department each class room is equipped with an over Head Projector, which is fully exploited by the faculty.

Shivani
(Roll No. 16147) CSE

Our Department is progressing in various spheres like quality of teaching and good labs. Being a part of this esteemed and reputed college, I feel proud to see myself at a place where the elements of knowledge, discipline and education merge to light up the lamp of success for the members of this family. The discipline maintained here is worthy of appreciation and 'Guru Shishya' relation is certainly not to be forgotten. The Faculty members give individual attention to the students, which is unlike any other institution. Various occasions are celebrated according to our customs, tradition and culture. I fall short of words when it comes to describing the **Dronacharya** family.

Abhishek
(Roll No.16192) ECE

Our department presents the process of education in a congenial manner. The traditional education is on the pattern of gurukul. Our teachers handle each student very personally and make ideal citizens & excellent technocrat out of them. Our college has good labs, open ground and strict ruling while cultivating culture and manners among the trainees here children are groomed for all ups and downs of life.

Vaishali Yadav
(Roll No. 16558) IT