



Dronacharya College of Engineering

ISSUE

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Electronics & Computer Engineering

In This Issue....

- ✦ Editor's Desk
- ✦ HOD's Desk
- ✦ Wisdom's Corner
- ✦ Events
- ✦ Students' Views

From Editor's Desk :

Technical education, today, is no longer confined to the four walls of a classroom. All round efforts are being made to provide qualitative, value based, activity oriented education in our college.

We, at **Dronacharya College of Engineering, Gurgaon** are committed to continuously strive, adopt and implement innovative teaching-learning process and result-oriented strategies to provide high quality academic, intellectual and conducive environment wherein all constituents of the college like students, faculty and other staff, can contribute their best to the services of Nation.

For over-all development of students, we provide ample opportunities to show their talent in sports, technical-fests, debates, symposiums and other co-curricular activities. At DCE, Gurgaon students are inspired and motivated to participate in the seminars, conferences and project exhibitions etc.

The faculty members prepare students for broad educational background that helps them to be creative, entrepreneurial leaders and move among a variety of careers and disciplines. We have been successful in providing a conducive and congenial atmosphere in the college so that the imparting of qualitative technical teaching-learning is done successfully.

We also make our students aware of their responsibilities and commitments in making this world a better place to live.



Editor, (Dr. Sunil Mishra)



From HOD's Desk :

"Many of life's failures are experienced by people who did not realize how close they were to success when they gave up."

-Thomas Edison



Technology runs the planet, with engineering playing an essential role in all types of technologies. It is truly a digital world, and those who understand this world can become valuable additions to technology-focused employers. From the laptops and smart phones that we use to the planes that we fly, everything in modern life requires constant development and upgradation. Each member of **Dronacharya College of Engineering, Gurgaon** aims at improving the quality of technical education in the country to meet the needs of the current times,

Head of Department, Dr. Neelam Ruhil

Wisdom's corner :

The mind is everything. What you think you become.
-Buddha

Education is not preparation for life; education is life itself.
-John Dewey

Nurture your mind with great thoughts. To believe in the heroic makes heroes.
-Benjamin Disraeli

Events :

National Workshop On Awareness of Intellectual Property Rights :

Ms. Parul Bansal (Assistant Professor) from Electronics and Computer Engineering Department of **Dronacharya College of Engineering, Gurgaon** attended the two days national workshop on "**Awareness of Intellectual Property Rights**" organized by **Amity Institute of Information Technology (AIIT), Amity University, Noida** in association with **Department of Electronics & Information Technology (DeitY)**, Ministry of Communications & IT on **25th - 26th June 2015**. There were sessions on Copyright Registration, Protecting ICT Innovations, Patent System in India, Trade Marks, Cyber Laws and Prior Art Search through which the participants got the overview of the procedure of patent and copyright applications.



Address by chief guest Dr. A.K. Garg



Ms. Parul Bansal (ECS Dept) receiving the certificate from Prof. Sunil Kumar Khatri (Director, AIIT)

One month Automation course on PLC and SCADA :

Mr. Surender Dhaka (Assistant Professor) of ECE department of **Dronacharya College of Engineering, Gurgaon** attended one month course on **PLC and SCADA** at **Sofcon India Pvt. Ltd.** at Pitampura from **24th June 2015 to 26th July 2015**. The course provided a detailed study and hands on experience of PLC and SCADA.



Mr. Surender Dhaka's Course Completion Certificate

Selection of CSE student as Campus Ambassador (E-cell IIT Kharagpur):

Priya Yadav (16955), student of CSE V Semester of **Dronacharya College of Engineering, Gurgaon**, was selected as Campus ambassador of E-Cell at IIT Kharagpur on **28th June 2015**, aiming to spread the spirit of entrepreneurship among students who are willing to touch the skies by their own startups and ideas. Entrepreneurship awareness Drive (EAD) will be conducted in October 2015 by E-cell of IIT Kharagpur. Therefore, the aim of organizing EAD first time in Gurgaon, is to motivate the students and to provide them basic information to give wings to their ideas. As campus ambassador, Priya Yadav will motivate and help the students of Dronacharya College of Engineering to come up with their ideas or startups so that they have action plan for it and will organize a entrepreneurship program in DCE, Gurgaon.



Priya Yadav (16955) of CSE Department

Roundtable on “Economic Empowerment of Women in India” :

Four Faculty , Ms. Parul Bansal, from **Electronics and Computer Engineering Department**, **Ms. Susmita Samanta & Ms. Dipti Girdhar** from **Department of Applied Science & Humanities** and **Ms. Poonam Singla** from **Electrical and Electronics Department** of **Dronacharya College of Engineering, Gurgaon** attended the **Roundtable on “Economic Empowerment of Women in India”** organized by **Confederation of Indian Industry (CII)** on **7th July 2015** at the **CII Headquarters, New Delhi**. CII National Committee on Women Empowerment works with industry to strengthen women's role and participation in the economic sphere and community affairs. During the session, the attendees discussed about the innovative ideas to the problems faced by women and how can people from educated class and background extend their support towards the women in need.



Dignitaries at the event



Dronacharya Team at the event

Faculty Development Programme (FDP) on Nature Inspired Algorithm & Their Application at DTU, Delhi :

Mr. Hari Mohan Rai (Assistant Professor) of ECE Department of **Dronacharya College of Engineering, Gurgaon** attended 5 days Faculty Development Programme on the "**Nature inspired algorithms and their applications**" held from **13th-17th July 2015** at **Delhi Technological University, Delhi**. This faculty development programme provided a great experience in listening lectures on latest developments in the field of Nature inspired algorithm and its application, and also use and implementation of these algorithms in engineering problem solving.



Dr. Anupam Yadav, NIT, Uttarakhand during his talk



Mr. Hari Mohan Rai, Asst. Prof., DCE Gurgaon during Practical Session in FDP

Workshop on Integrating Projects & Design into core Engineering Courses: Enhancing Learning & Preparing Professionals :

To discuss various tools for managing and teaching teamwork, communication and design, a workshop on Integrating Projects and Design into Core Engineering Courses: Enhancing Learning and Preparing Professionals was organized by JRE School of Engineering, Greater Noida on **16th July 2015**. **Prof. Vishal Bharti**, HOD, Computer Science & Engineering & **Prof. Yashvardhan Soni**, HOD, Information Technology Department of **Dronacharya College of Engineering, Gurgaon**, attended the workshop. The workshop was an IUCEE Course offered by Prof. Bill Oakes, Director, Purdue University USA. He has been active in the dissemination of innovations in engineering education including service learning and community engagement having conducted various workshops.



**Prof. Vishal Bharti & Prof. Yashvardhan Soni
along
With Prof. Krishna Vedula and Bill Oakes**



Dr. Krishna Rao welcoming the guests

Infocomm India 2015 :

To showcase the incubated ideas from industry players and experts, Infocomm India 2015 Roadshow, nations foremost pro-AV and Info-Comm Technology Show was organized at The Lalit, New Delhi on **22nd July 2015**. **Mr. Amar Saraswat**, Assistant Professor, CSE Dept of **Dronacharya College of Engineering, Gurgaon** attended the event. The seminar on **"Integrated Digital Solutions for a Smarter India"**, was also organized at InfoComm India 2015 in partnership with FICCI, National e-Governance Plan and Department of Electronics and Information Technology, Ministry of Communications and Information Technology, Government of India. The welcome and opening address was given by Mr. Virat Bhatia, Chairman, Communications & Digital Economy Committee, FICCI.



Panel Discussion during progress



**Mr. Amar Saraswat with Mr. Jonathan Seller, Sr.
Director of Development
Asia-Pacific InfoComm International**

International Conference On Advancements in Engineering, Technology & Management (AETM 2015), Bangkok, Thailand :

Prof. (Dr.) K. K. Saini of **Electronics & Communication Engineering Department** of **Dronacharya College of Engineering, Gurgaon** attended the International Conference on Advancements in Engineering, Technology and Management (**AETM 2015**), Bangkok, Thailand on **23rd July 2015**. He delivered the inaugural address in the starting of conference and also chaired technical session. At the end of the conference, he was awarded with **"COSMICOUTSTANDING RESEARCHER AWARD"** for outstanding contribution in the field of Electronics & Communication Engineering.

Mrs. Sabita Yadav (M.Tech. Student) of Electronics and Communication Engineering Department of **Dronacharya College of Engineering, Gurgaon** presented her Research paper, entitled **"Case Study of WiMAX Technology & Its application with respect to Microstrip Patched Antenna"** authored by **"Sabita Yadav, Prof. (Dr.) K. K. Saini"** in the International Conference on Advancements in Engineering, Technology and Management (AETM 2015), Bangkok, Thailand on 23 Jul 15 was awarded for **BEST PAPER** award.



Prof (Dr.) K. K. Saini during the Award Ceremony



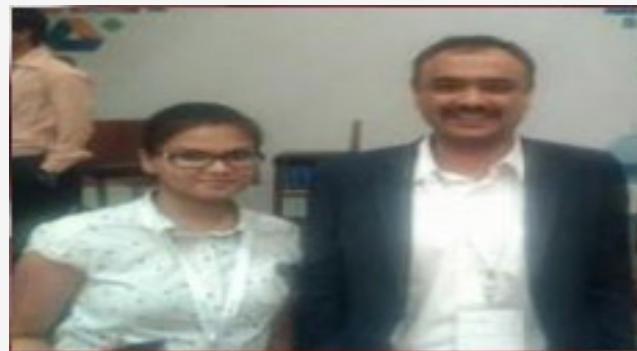
Mrs. Sabita Yadav receiving the Best Paper Award for her presentation

Seminar on Connected Small Business-India's Digital Transformation :

A seminar on "**Connected Small Business-India's Digital Transformation**" was organized by Google Apps for Work on **24th July 2015** at Hyatt Regency, Delhi. **Priya Yadav (Roll No. 16955)**, from CSE Dept of **Dronacharya College of Engineering, Gurgaon** attended the seminar. The seminar aimed to provide in-depth knowledge of cloud-based tools to become part of India's expanding mobile workforce and digital economy. The speakers discussed about the various ways in which Google helps in promoting the small medium businesses globally, including first hand cloud technology, by which growth of Indian businesses can be accelerated to make them globally competitive.



Panel discussions in Progress



Priya Yadav along with Mr. Mohit pande, Country Manager, Google for Work India

Java Fundamentals and Java Programming :

Four Faculty members, Ms. Poonam Yadav, from ECS Department, **Ms. Neha Malik and Ms. Kshitija Pol** from CSE Department and **Ms. Rashim Kumar** from IT Department of **Dronacharya College of Engineering, Gurgaon** got an opportunity to attend 5 day Faculty Development Program on "**Java Fundamentals and Java Programming**" organized by **Oracle Academy** at Bharati Vidyapeeth College, New Delhi from **27th-31st July 2015**. The workshop provided a platform for faculty members to get trained in the advancements in Java Fundamentals and Java Programming. **Prof. Dharmender Jain (Principal, BVCOE)** gave the inaugural address of the workshop and **Dr. Vanita Jain (Dean, BVCOE)** opened the session by welcoming all the academicians and introducing the trainer for the workshop **Ms. Suji Gopalan Uchil (Manager-Operations & Training, Oracle Academy)**.



Certificate distribution to the participants



Participants from Dronacharya College with Ms. Suji Gopan Uchil and Dr. Vanita Jain

IEEE Lecture on Image Forensics :

IEEE Delhi Section organized technical lecture on "**Image Forensics: Is a Photo worth a Thousand Words?**" by **Dr. Alex Kot** (Fellow IEEE -Signal Processing Society, from **Nanyang Technological University, Singapore**) on **29th July 2015** at IIIT Delhi. **Mrs. Seema** (Asst. Prof., Electronics and Communication Engineering Department) along with four students from **Computer Science and Engineering Department** and seven students from **Electronics and Computer Engineering Department** of **Dronacharya College of Engineering, Gurgaon** attended the lecture. Dr. Alex Cot explained the different sensor noises (Read-out, Shot, Pattern, and Quantization) in a camera and briefed about the FPN method and PRNU method which are used to detect the sensor noise in pattern.



Mrs. Seema attending the proceedings



Students of ECS Department at IIIT, Delhi

Microsoft Window 10 Launch :

On **29th July 2015**, five students **Monica Godara (16768)**, **Depanshu Bansal (16766)**, **Akansha Marwah (16762)**, **Amit Saini (16764)** and **Gaurav Verma (1570)** from **Electronics and Computer Engineering Department** of **Dronacharya College of Engineering, Gurgaon** attended a one day event **Microsoft Window 10 Launch** at Pragati Maidan, New Delhi. The main objective of the event was to launch its new operating system **Windows 10**. At the Inaugural session **Mr. Bhaskar Pramanik (Chairman, Microsoft India)** and **Mr. Vineet Durani (Director-Windows, Microsoft India)** launched Windows 10 to the Indian market.



Students (V Sem) at the Windows 10 launch



Students of ECS Department with MCP (Microsoft Certified Professional) at the event

National Instruments Engineering Education & Research Seminar:

Mrs. Sakshi Pahuja (Associate Prof., Electronics and Communication Engineering Department) and **Monica Godara (Roll No. 16768)** and **Deepanshu Bansal (Roll No. 16766)** of V Sem of Electronics & Computer Engineering Department of **Dronacharya College of Engineering, Gurgaon** attended a seminar on Engineering Education & Research Seminar organized by National Instruments on **30th July 2015** in Gurgaon. The motive of the seminar was to create awareness about National Instruments, and give the students a chance to explore NI's Industry-Academia initiatives, upcoming technology trends in engineering education and state-of-the-art lab platforms.



**Mrs. Sakshi interacting with expert from NI
(National Instruments)**



Students from ECS Dept at the event

CSI Symposium on Exploring the Potential of Cloud Services :

CSI Delhi Chapter in association with CISCO, CONVRGD, IEEE DELHI SECTION, IETE DELHI CENTRE and ISTE DELHI SECTION organized a Symposium on "Exploring the Potential of Cloud Services" on **06th August 2015** at India International Centre, New Delhi. Five Students namely, **Monika yadav (16954), Anurag Vats (16029), Brijesh Aggarwal (16044), Birender Singh Rawat (16043) and Priya Yadav (16955)** from CSE Department of **Dronacharya College of Engineering, Gurgaon** attended the symposium. **Prof. K.K Aggarwal** explained about cloud computing that it is not merely a technology, rather an approach to building IT services that harnesses the power of servers, as well as virtualization technologies that combine servers into large computing pools and divide single servers into multiple virtual machines.



**Prof. Mini S.Thomas during the opening
ceremony**



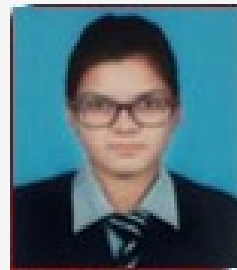
**Prof. K.K Aggarwal delivering his presidential
address**

Selection of CSE Students as IEEE Xtreme Ambassador :

Ambar Kumar (16016) and **Priya Yadav (16955)** from CSE V Semester of **Dronacharya College of Engineering, Gurgaon** are selected as IEEE Xtreme Ambassadors on **06th August 2015**. IEEE Xtreme (online coding competition) will be organized for 24 hours, within which a worldwide community of college and university students enjoy an engaging set of unique programming challenges. This competition is scheduled on 24th of October 2015. The ambassador will motivate and help their classmates for practicing the last year programming questions of this Programming Challenges, organize workshops and training programs related to the contest.



Ambar Kumar (16016) V Sem, CSE



Priya Yadav (16955) V Sem, CSE

Faculty Development Program On Cloud Computing :

Mrs. Sakshi Pahuja (Associate Prof., Electronics and Communication Engineering Department), **Ms. Priyanka Mahani** (Assistant Professor, Electronics and Computer Engineering), **Mr. Amar Saraswat**, (Assistant Professor, Computer Science & Engineering) and **Mr. Dharmendra Pal** (Assistant Professor, Information Technology Department) of **Dronacharya College of Engineering, Gurgaon** attended a **Faculty Development Program** on **Cloud Computing** organized by Huawei Network Academy and IndoVision at Huawei Network Academy, Gurgaon on **07th August 2015**. The FDP which was divided into sessions covered various aspects of Cloud Computing like: Basics of Cloud Computing, Types and Service Model of Cloud Computing, Storage Technology, Virtualization, Hypervisor etc.



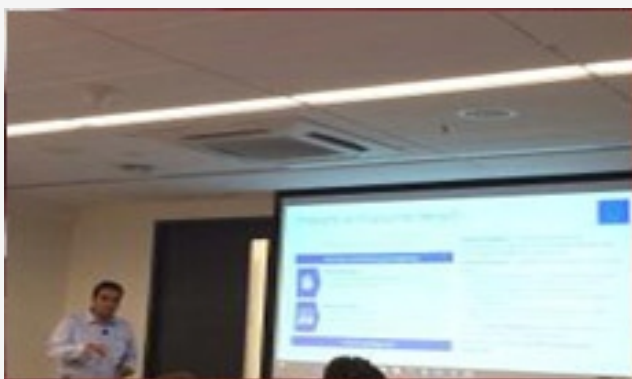
The participants at the workshop



Mr. Hanuman explaining about Rack Servers

Azure Vidyapeeth Day :

On **8th Aug 2015**, four students **Gaurav Verma (15709)**, **Mohit Panchal (15720)**, **Dinesh Yadav (15707)** and **Bhuvash Yadav (16778)** from **Electronics and Computer Engineering Department** of **Dronacharya College of Engineering, Gurgaon** attended a one day event on **AZURE VIDYAPEETH DAY** organized by Microsoft at Microsoft Corporation (India) Pvt. Ltd., Gurgaon. The event was conducted to provide one day training by introducing the power of business with Microsoft Azure. The event was started with the Keynote Session by **Mr. Rajiv Arora (Senior Premier Field Engineer, Microsoft Services)**.



Presentation by Mr. Vaibhav Gupta



Dinesh Yadav & Mohit Panchal from ECS Dept. at the event

Industrial Visit to Yakult Milk Plant, Sonapat :

Electronics & Communication Engineering department of DCE, Gurgaon organized industrial visit for III sem ECE students on **13th August 2015** to **Yakult Danone Milk Plant, Sonapat**. The objective of this industrial visit was to familiarize the students with the production and processing aspects at Yakult Danone India (P) Limited. The students were taken for the visit inside the Processing Unit where different stages of processing. The visit was a fruitful experience for the students as they learned the processing stages and the latest technology in producing processed products.



Visit to Yakult Danone Pvt. Ltd, Sonapat

Bright Prospects of make In India LED Manufacturing :

On **14th August 2015**, five students **Aishwarya Kharbanda (15700)**, **Akshant Gupta (15702)**, **Himanshu Chugh (15711)**, **Mayank Kaushal (15717)** and **Vibhu Chinmay (15737)** from **Electronics and Computer Engineering Department** of **Dronacharya College of Engineering, Gurgaon** attended a one day conference on **Bright Prospects of Make In India LED Manufacturing on 14 August 2015** at PHD House, New Delhi.

The Conference was organized with the aim to discuss and deliberate on issues and importance of LED Manufacturing in India. The Chief Guest of the conference was **Shri Ravi Shankar Prasad (Honorable Minister of Information and Communication Technology, Govt of India)**.



Students of ECS Dept at the Conference on LED Manufacturing at PHD Chamber



Students of ECS Dept at the Conference

Student's Views :

Dronacharya College of Engineering, Gurgaon has inculcated in me a culture that motivates me to work harder towards my goals. Electronics and Computer Engineering branch has helped me to acquire knowledge in both electronics as well as in computers domains and in grabbing opportunities both in hardware and software fields. Under the guidance of expert faculty from both the aspect, acting as mentors to guide me in every field, I have developed myself technically and professionally to be better fit in cooperate world.



Sonu yadav
(Roll. No. 16775)

Belief in oneself is one of the most important bricks in building any successful venture.

Dronacharya College of Engineering, Gurgaon is a place where I have got an edge for my future. It is the unique combination of quality, excellence and innovation in technical education. The college aims at all round development of the students where students are furnished with the opportunities to be a member of technical societies and are encouraged to go for the qualitative certifications in technical languages. I am proud to be a student of Electronics and Computer Engineering Department which surely grooms each individual and prepares him/her in a way that they can stand strong and confident to face all the challenges and can work adaptively for any organization in the future.



Neelima Saini
(Roll. No. 15723)

