NEWSLETTER – NOVEMBER 2014

Dronacharya College of Engineering

ISSUE

Electronics & Communication Engineering

In This Issue....

- Editor's Desk
- HOD's Desk
- Events

- Projects
- Placements
- Student Speak

From Editor's Desk :

"Creativity is a habit, and the best creativity is the result of good work habits.

-Twyla Tharp

Creativity is the most basic human skill, and the one on which social, industrial and economic progress depends. The teaching of "creative" thinking is the need of the hour. Critical thinking is excellent but it is not enough. Judgment is not enough. We need generative, productive design and creative thinking to excel in life. In education we are concerned with literacy and numeracy. The skills of doing are every bit as important as the skills of knowing. However, the engineering skills tend to be neglected and the results are professionals who have little to contribute to society. Competence is the baseline but creativity is the value creation, hence society will be better served when there will be professionally trained but creatively competent individuals to meet the present day requirements. Our monthly newsletter is a small effort to showcase not only the competencies but also the creative outpourings of the Dronacharya fraternity.

Welcome to the Vol VIII, Issue LXXXXIX of our newsletter where we endeavor to highlight the events and activities of November, 2014.

Editor, (Dr. Nandita)

From HOD's Desk :

Since 1991, the Indian economy has progressed by leaps and bounds due to the innovative policies adopted by our country. The growth of Indian industries along with the plethora of MNCs setting up in India has led to exponential growth. However, this has also led to the rise in the demand for a pool of professionally qualified talent. The Engineering sector witnessed the fastest surge not only in terms of introduction of new and sophisticated state-of-art products but also in the research and development field.

To cater to the needs of To cater to the needs of the industries and the corporate world, Electronics and Communications Engineering Dept. of **DCE, Gurgaon** lays emphasis on the best preparation and training of each student, incorporating and implementing quality enhancement practices in all its activities. Core courses and electives are being taught which cover various knowledge segments. The teaching-learning process incorporates a variety of learning methods and pedagogical tools making the process fully interactive with the students. Students are encouraged to participate in various activities viz- events, workshops, seminars, conferences etc. to develop their confidence. Innovative. The dept. labs are periodically updated and equipped with the latest equipment so that students make the best use of the facilities provided to them.

We stress upon the overall personality development of the students with an aim to churn them out, not only as good technocrats but also very good individuals having excellent moral and ethicals values so as to contribute to the society effectively after passing out from this college.

Here, I am reminded of the words uttered by **Hon'ble Ex President Dr. APJ Abdul Kalam,**

"If youth can do it, nations can do it and the world can do it".

Head of Department, Prof. (Dr.) H.S. Dua

Events :

IETE 61st Foundation Day Talk on Leveraging ICTS for Building Smart Cities :

Prof (Dr.) H.S. Dua, HOD (ECE), along with three faculty members of ECE department (Mr. CS Singh, Mr. Ashish Gambhir and Mr. Hari Mohan Rai) had attended a talk on the theme, **"LEVERAGING ICT FOR BUILDING SMART CITIES"** on **1st Nov 14** at **Delton Hall IETE, New Delhi,** organized by Institution of Electronics and Telecommunication Engineers (IETE), on their 61st Foundation Day.

The basic objective of the talk was to elaborate the **smart city** concept in India and role of **Information and Communication Technology (ICT)** in data compiling from smart devices and sensors in its roadways, power grids, buildings and other assets and sharing that data via smart communication systems. The chief guest was **Sh. Mangu Singh, MD, DMRC, New Delhi.** The program commenced with the welcome address by **Prof. (Dr.) A. K. Saini, Co-Chairman TPCC IETE**, New Delhi. **Smt. Smriti Dagur, President IETE** introduced the topic and threw light on the concept of smart cities, which would integrate state of the art green technologies to create sustainable cities with high living standards.

Prof (Dr.) H.S Dua, at the IETE program

Workshop on Virtual Lab :

A one day workshop on **"Virtual Labs"** was organized in **Dronacharya College of Engineering**, on **12th Nov 14** in association with IIT Delhi. **Virtual Labs** Project is the initiative of **MHRD**, Govt. of India under the National Mission on Education through ICT (**NMEICT**). 140 students of ECE, CSE, EEE, IT AND ME streams participated in the workshop. 73 students and 4 faculty from KR Mangalam School of Engineering, Savera College of Engineering and BM Group of Institutions, all from Gurgaon also participated in the workshop. Three experts from IIT Delhi gave their views and demonstrated a few experiments related to Virtual Labs of different branches.

The workshop started with a welcome speech by **Prof. (Dr.) M.N. Hussain**, Principal, **DCE Gurgaon** on the growing role and acceptance of "**Virtual Labs**" in current science and technology education. **Prof. (Dr.) H.S. Dua**, Virtual Lab Nodal Coordinator gave a brief introduction of virtual labs. He briefed about the need and usefulness of virtual labs and the basic purpose of providing remote-access to labs in various disciplines of science and engineering and sharing costly equipment and resources, which are otherwise available only to limited number of users due to constraints of cost and geographical distances. These labs would help them in learning basic and advanced concepts through remote experimentation and self evaluation.

Prof. (Dr.) H. S Dua giving Introduction on Virtual Labs

Students during hands on training in lab session

DCE Virtual Lab coordinators interacting with Mr. Bhairab from IIT, Delhi

Workshop on Cisco Networking Academy Conference & Instructor Retooling :

Mr. Ajit Kumar (Assistant Professor, ECE), **Mr. Amitesh Kumar** (Assistant Professor, IT) attended a two day workshop on "**CISCO Networking Academy Conference and Instructor Retooling**" conducted by Cisco Networking Academy at Amity Institute of Information Technology, Amity University, Uttar Pradesh from **20th** to **21st Nov 14**. The objective of this workshop was to train the faculty and instructors regarding the applications of Information & Communication Technology (ICT) for imparting technical knowledge. **Dr. Sunil Kumar Khatri,** Director, Amity Institute of Information Technology, Noida inaugurated the workshop and emphasized the importance of such workshops where the power of cloud computing is demonstrated in education by utilizing networks. Cisco Networking Academy is engaging 1 million users each day in discovering the power of teaching and learning using ICT skills.

Ms. Anuradha, Program Manager, SIG, Cisco during the Workshop

Second International Conference on Health & Safety Aspects of Mobile Telecommunications :

Prof. (Mrs.) A.N. Mahajan, along with *Ms. Sabita* and *Ms. Preeti* (M.Tech students) from ECE Department, attended a conference on *"Health & Safety Aspects of Mobile Telecommunications"* at The Ashoka Hotel, New Delhi, organized by ASSOCHAM (The Associated Chambers of Commerce & Industry of India), on *17th Nov 14.* This second conference organized by ASSOCHAM has adopted *"Public Health and Safety in the Mobile Industry"* as one of its important missions to create awareness and debate the issue of Electro Magnetic field (EMF).

The inaugural session was started by lightning of lamp by the *Chief Guest Shri Ravi Shankar Prasad, Hon'ble Union Minister, Ministry of Communications & IT, Govt of India.* Over the past few years, Department of Telecommunications (DoT) has taken a number of initiatives to address concerns related to EMF including a 10 times reduction in the EMF exposure limits, issue of uniform guidelines for the installation of towers, issue of precautionary guidelines for Mobile Users and a Handbook on Mobile Communication - Radio Waves & Safety.

The main objective was to showcase these initiatives and also to interact with the International and Indian experts and debate issues related to EMF on a common platform hosted by ASSOCHAM jointly with Department of Telecom, Government of India.

Shri Ravi Shankar Prasad interacting with delegates

Release of 'Backround Paper' by Mr. Ravi Shankar Prasad

India-US Technology Summit :

Six faculty members from the college, *Mrs. Sakshi Pahuja* (Associate Professor, ECE), *Ms. Sarita* (Assistant Professor, CSE), *Ms. Pratibha* (Assistant Professor, CSE), *Mr. Yashwardhan Soni* (Associate Professor, IT), *Mr. Vishwanath* (Assistant Professor, ME) and **Ms. Priyanka Mahani** (Assistant Professor, ECS), attended an India-US Technology Summit organized by *the Confederation of Indian Industry, the Department of Science and Technology, Government of India and US Department of State* on *18th* and *19th Nov 14* at India Expo Centre, Greater Noida.

Members of Dronacharya College of Engineering during India-US Summit-2014

International Conference on Interdisciplinary Research & Technology Development (IRTD) :

Prof. (Dr.) K.K. Saini along with Ms. Chandra Mukherjee, Assistant Professor, ECE Department attended an international conference IRTD 2014 held in Punjab University, Chandigarh, on *1st Nov 14. A research paper titled "Analysis of Cardiac Health using Chaotic Theory" w*as presented by *Ms. Chandra Mukherjee* under the guidance of *Prof. (Dr.) K.K Saini,* who was the technical session Chair of the conference. *Prof. Dr. K.K. Saini* was awarded a life time achievement award for excellent contribution in research & development. First year M.Tech students and faculty of various departments presented their research work in the conference. *Ms. Chandra Mukherjee* was awarded the best paper presenter award by the technical committee.

Participants at IRTD 2014

Prof K.K. Saini receiving the lifetime achievement award

Chandra Mukherjee receiving the best presenter Award

Industrial Visit to KIKI Centre of Technology, IMT Manesar :

Eighty five students from ECE & EEE visited the *KIKI CENTRE OF TECHNOLOGY* at IMT Manesar, Gurgaon accompanied by faculty members, *Dr. Poonam Kaushik* and *Mrs. Ashu Soni* from ECE department, on *11th-12th Nov 14* respectively. The institution, established with the support of the World Bank reflows program, focuses on imparting high quality skill development based on the industry needs. The visit commenced with a presentation by *Mrs. Shilpi Satija*, HR manager. She briefed about the KIKI Centre and the courses offered by the KIKI Centre. *Mr. Shridharan* demonstrated the working of robot with PLC programming, working of CNC machinery, use of servo motors in robotics and Pneumatic & Hydraulic controller based mini projects. The visit was very educative for the students.

Students of EEE with Ms.Ashu Soni

Yadav Students of ECE with Dr. Poonam Kaushik

Workshop on Microsoft TEI :

Mrs. Dimple Saproo (Associate Professor, ECE)**, Ms. Priyanka Mahani** (Assistant Professor, ECS) and **Mr. Vijender Hooda** (Associate Professor, IT) attended a **one day Microsoft workshop on "Technology Enriched Instruction"** *(TEI)* organized by **G.D. Goenka University in association with Society of Information Technology and Teachers Education (SITE)** on **17th Nov 14.** The objective of the workshop was to help participants to develop competencies that will enable them to effectively select, use, and evaluate technology tools and resources in their teaching.

Participants using CLD cards during the workshop

Ms. Dimple with the speakers

Sronivasa Ramanujan Mathematical Competitions-2014 :

"Srinivasa Ramanujan Mathematical Competitions-2014" (SRMC-2014) at Chapter Level was conducted in **Dronacharya College of Engineering, Gurgaon** on **1st Nov 14.** A total 34 students and 2 faculty members appeared in the competition. The contest aims to stimulate the creativity and mathematical talent of students and teachers of engineering fraternity. Attractive cash prizes and certificates were given to all the participants. This chapter level contest was held in the college in association with ISTE-Student Chapter.

Chapter Level Competition SRMC-2014 conducted in DCE College, Gurgaon

Students taking the exam in Mathematical

Leveraging Pro-AV Communications Technology in Propelling India's Digital Future :

On **21ts Nov 14, Mrs. Akanksha Kulshreshtha** from Department of Electronics & Computer Engineering attended a one day seminar on *"**Leveraging Pro-AV Communications Technology in Propelling India's Digital Future"*** at FICCI Auditorium, Tansen road, New Delhi. The seminar was organized by FICCI in association with Info Comm International.

Mr. Jonathan with faculty of Dronacharya College of Engineering

Mr. Virat introduces the panelists

AndiPop 5.0 Workshop :

Google Developers Group, Dronacharya College of Engineering organized a one day workshop: **AndiPop 5.0** on **19th Nov 14.** The agenda of the workshop was to spread awareness about the upcoming features in **Android Lollipop 5.0**, Android Wear and various other technologies introduced by Google. The event commenced with a brief introduction on Google Developer Group by **Mr. Anshul Patro**, Organizer of the chapter.

Ms. Parul Bansal addressing the participants

Session on Android Lollipop 5.0

Workshop at Microsoft Corporation (India) Pvt. Ltd. Gurgaon :

On **1st Nov 14** three students, namely **Sahil Jindal** (15091), **Abhishek Yadav** (16005) and **Ajay Kumar Sharma** (16009) from Computer Science & Engineering Department of **Dronacharya College of Engineering, Gurgaon** CSE visited Microsoft Office, Gurgaon for **Tech-Meet** by **Delhi User Group** from 9 AM to 1:30 PM. Main aim of this event was to learn latest technologies from industry experts. This was a half-day **event** in Delhi NCR which included a great line-up of industry-recognized speakers. **Mr. Brij Bhusan Mishra** (MVP) discussed about "Quick Steps to Improve Performance of ASP.NET Application".

CSE Students with Mr. Mishra

Swatch Bharat Abhiyan (Clean India Campaign) at Dronacharya College of Engineering, Gurgaon :

On *3rd Nov 14,* Swach Bharat Abhiyan (Clean India Campaign) was organized in *Dronacharya College of Engineering, Gurgaon* by the MSA (Karan Bhalla, Deepak Chandel, Dhruv Pahuja) and MSP (Shilpa Yadav) under the guidance of Microsoft Faculty Coordinator Ms. Sarita. Students namely Sachin Malik and Aakash Soni of CSE Department also supported them. *Swach Bharat Abhiyan (Clean India Campaign)* campaign was officially launched on *2nd October 2014* at *Rajghat, New Delhi*, where *Prime Minister Narendra Modi* himself wielded a broom and cleaned a road. The campaign is India's biggest ever cleanliness drive and 3 million government employees and schools and colleges students of India participated in this event.

Students of CSE Department cleaning college campus

MSP (Microsoft Student Partner) Summit :

Swach To turn this future into reality, Microsoft India organized *Microsoft Student Partner (India) Summit 2014* for all *Microsoft Student Associates (MSA)* and Microsoft Student Partners (MSP) from 29 states of India. The summit was held in the campus of Gyan Ganga Institute of Technology and Management at City of Lakes Bhopal from 08-10 November,2014   and comprised of knowledge and skill development sessions, discussions, workshops, and other learning and fun opportunities. CSE faculty, *Ms. Sarita* and six MSPs namely *Ayushi Mishra, Deepak Chandel, Dhruv Pahuja, Dipti Bhardwaj, Karan Bhalla* and *Kunal Ahuja* attended the summit.

MSA's & Ms Sarita (Faculty of CSE Department)

Ms. Sarita with DCE's Gurgaon MSA with Prabhjot Singh Bakshi

FICCI Higher Education Summit 2014 :

To focus on the deliberations on policy roadmap and other topical issues in Higher Education, and recognition of excellence in education delivery, Federation of Indian Chambers of Commerce & Industry (FICCI) organized **the 10th FICCI Higher Education Summit 2014**, a Global Conference, on 13 Nov 14 at FICCI New Delhi. Prof. Dr. B. M. K. Prasad, Prof. Vishal Bharti, along with thirty students from all branches, represented Dronacharya College of Engineering, Gurgaon in this event. The Summit was supported by the Ministry of Human Resource Development (MHRD) and the Planning Commission, Government of India. This year the theme of the conference focused on internationalization of Higher Education and implementation framework for *'Higher Education Vision 2030: Making it Happen in India'*, which was released by FICCI during the 9th FICCI Higher Education Summit last year.

All the eminent Speakers of the event

Prof. (Dr.) BMK Prasad and Prof. Vishal Bharti along with the students at the venue

Session on Digital Marketing :

On **14th Nov14** the **Google Student Club** of **Dronacharya College of Engineering Gurgaon,** organized an Interactive Session on **Digital Marketing and Adwords** which was conducted by **Miss Sakshi Gupta**, a GSA Alumni and a Google Adwords Certified Trainer. Digital Marketing is marketing that makes use of electronic devices (computers) such as personal computers, Smartphone, cell phones, tablets and game consoles to engage with stakeholders. Digital marketing applies technologies or platforms such as websites, e-mail, apps (classic and mobile) and social networks.

Miss Sakshi Gupta in Classroom during Session

SAP-NEN Entrepreneurship Summit :

Ms. Renu and **Ms. Pankti Brar** attended **SAP-NEN Entrepreneurship Summit** held in SAP Labs India Private Limited, Bangalore on **14th Nov 14.** SAP was originally introduced in the 1980s as SAP R/2, which was a system that provided users with a soft real-time business application that could be used in multiple currencies and languages An initiative of the Wadhwani Foundation, NEN was co-founded with IIT Bombay, IIM Ahmedabad, BITS Pilani, SP Jain Institute of Management & Research and the Institute of Bioinformatics and Applied Biotechnology.

Ms. Pankti Brar and Ms. Renu at Venue

Panel Discussion at Summit

Seminar on Wireless Communication :

Department of Information Technology organized **one day technical seminar on Wireless Communication** on **14th Nov14** in association with **Huawei**. The purpose of this seminar was to enlighten the students about various concepts in the field of wireless communication.This seminar was attended by the students of Information Technology, Computer Science and Electronics & Communication Engineering.

Mr. Vinay Agrawal, Director Indovision and Mr. Manish Goyal, Sr. Manager Indovision Services at the Seminar

Visit to Schools for Awareness Program on Spoken Tutorials :

Mrs. Chitra Kaul the Resource Centre Coordinator (Spoken Tutorial Centre), Dronacharya College of Engineering, Gurgaon) along with a faculty member **Mrs. Megha Goel** visited 30 schools from **29th Oct** to **7th Nov14** with an objective to broaden awareness regarding Spoken Tutorials which is an initiative by the National Mission on Education through Information and Communication Technology launched by the Ministry of Human Resources and Development (MHRD), Government of India and is being developed by IIT Bombay.

They met the Principals, Vice-principals and IT in-charges of various schools like Dhankhar Sr. Sec.School, Ajanta Public School, Amity International, Arya Vidya Mandir, Dev Samaj Vidya Niketan, Dronacharya Sr. Sec School, Govt Sr. Sec School, Sh. S.N. Sidheshwar Sr. Sec, Ryan International, Royal Public School, Manav Rachna International School, Jeewan Jyoti Public School etc and shared with them the benefits of Spoken Tutorials. They presented its salient features helpful in teaching and learning particularly FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP & MySQL, Java, C/C++, and Libre Office etc**.**

Workshop conducted by Mrs. Chitra Kaul and Mrs. Megha Goel at a school

Paper Presentation in The National Seminar: RIAHE-2014 :

Dr. Suchitra Deswal, Associate Professor from Applied Sciences & Humanities Department of **Dronacharya College of Engineering, Gurgaon** presented a paper titled **"English Language in Global Perspective"** in a **two-day National Seminar on "RELEVANCE OF INTER-DISCIPLINARY APPROACH IN HIGHER EDUCATION" (RIAHE-2014)** held on **12th** to **13th Nov 14** at **Chaudhary Ranbir Singh University, Jind**, Haryana. The seminar was jointly organized by Department of Management, Department of English and Department of Psychology of the university and **sponsored by Directorate of Higher Education, Haryana**. The objective of this seminar was to provide a platform to academicians, researchers and practitioners to deliberate on the need of multi-disciplinary approach to knowledge and research.

The **Chief Guest** at the National Seminar was **Hon'ble Prof. Kaptan Singh Solanki, Governor of Haryana**.

Hon'ble Prof. Kaptan Singh Solanki

Dr. Suchitra Deswal presenting her paper

Projects :

Since its inception, DCE has been taking designing, fabrication and demonstration of technical projects seriously. The faculty continuously encourages the students to participate in various project-exhibitions as well. Every student of the respective department is involved in making projects under the guidance of supervisors/guides allotted to them.

Some of the good projects under fabrication are listed below.

S. No.	Project Guide	Project Name	Students
1.	Prof. (Mrs.) A.N. Mahajan	Solar Inverter	Anmol Goyal Ankush Verma
2.	Prof. (Mrs.) A.N. Mahajan	Wireless Gesture Control Robot	Gaurav Gautam Abhijeet Ashish Anil Kumar Avdesh
3.	Mr. Harimohan Rai	Shock Gun	Arun Kumar Anirban Maitra

Placement :

The placement during the month has been very good. 66 students have been placed during the month as per the following:

I Gate	ECE -12
I Gate	CSE 24
I Gate	IT - 14
I Gate	ECS -2
Woxa Technologies Pvt. Ltd.	CSE - 3
Qspear Consultancy Services	CSE - 1
Orange Media	CSE -1
Nu view Business Solutions	IT - 1
HCF Information & Security Pvt. Ltd.	IT - 1
Radius International Health Care	IT - 1
Rockman Industries Ltd.	ME - 2
Roop Arinna Fabricators Pvt. Ltd.	ME - 1
Sharma Presses Pvt. Ltd.	ME - 3

Student's Speak :

I feel privileged to be part of the **Dronacharya family**. My perception about my "alma-mater" is that it has scaled the peaks of excellence and achievements. I will endevour to sustain the same excellence when I become an alumni of this institution.

Charul Thareja

Dronacharya College of Engineering is a pioneering institution dedicated to the advancement of knowledge and excellence in professional education. The faculty facilitates the best possible learning environment and mentors us in fabricating innovative projects.

Abhi Tanwar