



Dronacharya College of Engineering

ISSUE

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Electronics & Communication Engineering

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From Editor's Desk :

"If you have knowledge, let others light their candles with it."
— Winston Churchill



With a pristine purpose of presenting all that emerged in a marked period of time, we are coming forth with the present issue of the newsletter to help our readers embark upon the bandwagon of informative, educative and creative impulses.

We, at **Dronacharya College of Engineering, Gurgaon** serve as a verdant landscape of scientific, technical and literary outpourings which support teaching and research for the sake of exposure and expansion. The small initiatives that we take go a long way in building upon the edifice of knowledge and enterprise that empowers and emboldens, breaking free from compulsive complacency.

The present era of rapid development in technology is affecting Technical Education globally. As a result of increasing awareness for **industry-academia collaboration**, one can reasonably expect the quantum of research in electronics and the output that would go up in the coming years. We lived through seemingly endless days in the dark, and even when things began to get better we had to huddle with strangers at communal tables in coffee shops that had access to the web. When viewed through an engineering lens, it deals in dubious possibilities that become conceivable when reason and know-how are applied. Technology emboldens the aspirations of innovators and of dreamers, and it drives the pursuit of tools that will reach the far ends of the world and beyond. It does not predict it, however. It simply contemplates it.

DCE, Gurgaon has been consistently working towards the goal **to produce highly skilled and scientifically oriented manpower** through flexible, adaptive and progressive training programs and a cohesive interaction among **the research organizations, academicians and industries**. To mould students into world class engineers for the benefit of the society and further pioneer them to make use of the recent inventions coming out from laboratories then and there, **Department of Electronics and Communication Engineering** provides a perfect and high quality platform for the students and the teachers to uphold their managerial and literary knowledge.

No doubt, **DCE** represents an open canvas where they can paint their vision of reality inspired by the unrestraint of invention. A canvas that helps us to perceive the challenges of the world through engineering eyes, offers an opportunity to grow, to become a true **Dronacharyan**.

Editor, (Dr. Parul Mishra)



From HOD's Desk :

"The new electronic independence re-creates the world in the image of a global village." - Marshall McLuhan

We are marching into the new era with immense power of technologies and gadgets. More positive changes are expected in every category of technical workforce in near future. The program like **"Make in India"** and **"Digital India"** launched by the Govt. of India are being viewed with rising demand of professionally qualified technical manpower. The present issue is one such cherished work that had its roots in the persuasion. A snapshot of the various activities and advancements for all associated with **Dronacharya College of Engineering, Gurgaon**. It serves to reinforce and allow increased awareness, improved interaction and integration among all of us.



Training the **Electronics and Communication Engineering** students as knowledge - based **academicians, scientists, technocrats, entrepreneurs and engineers** with social and professional ethics and leadership qualities to meet the challenges, and to meet this end we have talented and highly qualified faculty adopting the latest techniques in teaching to provide high quality technical education. Students are encouraged to participate in various seminars, workshops, conferences and project competitions. The college has spared no efforts to provide the latest equipment and the state -of- art labs for the students.

Overall, I would like to add that our **Department of Electronics & Communication**, fully realize the need to produce skilled graduate engineers who can be absorbed in industry and contribute not only to the growth and well being of the society but also towards the development of the nation as a whole.

"EXCELLENCE is not a habit, it is an ATTITUDE".

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

Events :

IETE'S 47th World Telecommunication & Information Society Day Celebrations :

Dr. K. K. Saini, Professor from **ECE Department of Dronacharya College of Engineering, Gurgaon** attended the IETE's 47th World Telecommunication and Information Society Day celebrations on the theme **"Telecommunications and ICTs: drivers of Innovation"** on **16th May 2015** at IETE Delton Hall, 2, Institutional Area, Lodhi Road, New Delhi.

The chairperson of the inaugural session was **Smt. Smriti Dagur**, President, IETE. **Shri Rakesh Garg**, Chairman, Telecom Commission & Secretary, Deptt of Telecom, New Delhi was the Chief Guest on this august occasion. **Prof. M. Jagadesh Kumar**, EE Dept., IIT Delhi, Member (PT), TRAI & Editor-in-Chief, IETE, Technical Review was the Guest of Honor as well as the key note speaker.



The Chief - Guest addressing the gathering



**A faculty of DCE, Gurgaon
Prof. (Dr.) K.K. Saini attending the event**

CII Conference on Manufacturing :

Two faculty members Mr. Hari Mohan Rai (Assistant Professor, ECE), **Mrs. Akanksha Kulshreshtha** (Assistant Professor, ECS) of **Dronacharya College of Engineering, Gurgaon** attended a one day **Conference on Manufacturing** conducted by Confederation of Indian Industry (**CII**) at The Leela, Ambience, Gurgaon on **14th May 2015**. The chief guest of the Conference was **Captain Abhimanyu, Hon'ble Minister of Finance, Industries & Commerce and Government of Haryana**.

The objective of organizing the conference was to discuss the various perspectives of manufacturing and to make success of **"Make in India"** & **"Digital India"** concepts launched by Govt. of India. The dignitaries from different industries were invited to talk and present the scenario of manufacturing from their point of view.



Hon'ble Minister delivering inaugural address

Synopsys University Symposium 2015:

Mr. Ajit Kumar (Assistant Professor) from Department of Electronics & Communication Engineering, **Dronacharya College of Engineering, Gurgaon** attended a one-day conference conducted under the auspices of **Synopsys University Program** in collaboration with **Eigen Technologies Pvt. Ltd.** at Hotel Shangri-La's - Eros, New Delhi on **30th Apr 2015**.

The objective of this program was to discuss the role of Synopsys VLSI and TCAD design Tools for next generation innovations and further research opportunities available in Virtual Prototyping.



Mr. Ajit Kumar, a faculty of DCE, Gurgaon at Synopsys University Symposium 2015



The expert Mr. Ashwani Aggarwal from Synopsys delivering talk during Symposium

FIA (Faridabad Industries Association) Project Competition :

The following two technical projects put up by the students of ECE and Mechanical departments of **Dronacharya College of Engineering, Gurgaon** bagged the first prize in their respective streams, in the FIA Project competition held on **18th April 2015** in Faridabad:

- **Intelligent [Real time] Traffic Routing** (Anmol Goyal, Manish Vats, Vivek Kaushik from ECE Department).
- **Hydrogen Hybrid Vehicle System** (Rishabh Saxena, Smridhhi Khanna ME Department)



Project 'Hydrogen Hybrid Vehicle System' team members displaying their First Prize during FIA Award ceremony



Project 'Intelligent Traffic Routing' team members displaying their First Prize during FIA Award ceremony

FDP on “Recent Advances in Nanoscience & Nanotechnology”:

Mr. Sumit Kumar, Assistant Professor ECE Department, **Dronacharya College of Engineering, Gurgaon** attended ten days Faculty Development Programme on the **"RECENT ADVANCES IN NANOSCIENCE AND NANOTECHNOLOGY"** held from **20th April to 01st May 2015** at **Amal Jyothi College of Engineering, Kanirappally, Kerala**.

During the FDP, twenty-four lectures were conducted on various topics related to the main subjects by the eminent professors, scientists and academia of various institutions across the country like **IISER, Trivandrum; AIMS Kochi; RRII, C-MET, Thrissur; VSSC, Thiruvananthapuram; IIST, Trivandrum; NIT Calicut; MG University, Kottayam and JNCASR, Bangalore** etc. The main topics covered in the FDP were Nanomaterials for energy storage, DNA Bio-Nanotechnology, Nanomedicine, Nanotechnology for Renewable Energy, Nanophotonics, Characterization of Nanomaterials, Solar Cells, Nanodevices - MEMS & NEMS and Nanocomposites for Space Applications etc.



Dr. Sabu Thomas, an eminent speaker being honored by the worthy father, Principal, Dr. Josh Kannapuja



Dr. Soney. C. George, Convener of FDP delivering his lecture

National Summit on CSR - Partnering The National Agenda :

Three faculty members **Ms. Parul Bansal** (Assistant Professor, ECS), **Ms. Sarita** (Assistant Professor, CSE), **Ms. Charu Jain** (Assistant Professor, EEE) from **Dronacharya College of Engineering, Gurgaon** along with 97 students from various departments of the college attended the **National Summit on CSR Partnering the National Agenda** organized by Confederation of Indian Industry (**CII**) at Vigyan Bhawan, New Delhi on **29th April 2015**. **His Excellency, Shri Pranab Mukherjee, Hon'ble President of India**, delivered the Inaugural Address for the session on the theme '**Boardroom and Beyond**'.



Hon'ble President of India, Shri Pranab Mukherjee at the Inaugural session



The faculty and students of DCE, Gurgaon at the CSR National Summit

Paper Presentation in The International Conference:

Mrs. Poonam Yadav (Assistant Professor) from Electronics and Computer Engineering Department of **Dronacharya College of Engineering, Gurgaon** presented a paper in the **International Conference on Communication, Information & Computing Technology (ICCICT-15)** organized at Global Institute, Amritsar (Punjab) on **12th May 15**. The title of the paper was "**An Empirical Study of Mobile Software Engineering to Improve Cloud Computing Environment**".



Mrs. Poonam Yadav from DCE, Gurgaon at the ICCICT Conference



Mrs. Poonam Yadav, a faculty of ECS Dept of DCE, Gurgaon delivering the presentation

A Session on Digital Bharat 2015:

Three faculty members **Ms. Priyanka Mahani** (Assistant Professor, ECS), **Mr. Amar Saraswat** (Assistant Professor, CSE), **Ms. Poonam Singla** (Assistant Professor, EEE) from **Dronacharya College of Engineering, Gurgaon** attended a session on **Digital Bharat 2015 "Conversations for Advancing 'Digital India' and 'Make in India' "** organized by **FICCI, New Delhi** on **14th May 2015**. The motive of the event was to discuss the two flagship programs of the Modi Government '**Digital India**' and '**Make in India**' and making the participants aware of these initiatives and an insight into what policies and measures are being adopted by the government to make these initiatives successful in both rural and urban India.



Dignitaries during the inaugural session

IEEE: Earth Day Celebrations :

To spread awareness about environment, IEEE Delhi Section SIGHT celebrated "**Earth Day**" on **22nd April 2015** at Select City Walk, Saket, New Delhi. The event was coordinated by **Mr. Ravinder Joshi, Treasurer IEEE, Delhi Section** in association with **BODYCARE**.

Four students **Vishal Yadav (15124), Tushar Mehmi (15108), Upender Yadav (15109), Sandeep (15094)** from Computer Science & Engineering Department and **Ms. Monika Phulia** (Assistant Professor, EEE Department) **Dronacharya College of Engineering, Gurgaon** attended the event. A student (Sandeep 15094) from CSE Department of **DCE, Gurgaon** participated in Painting Competition and won goodies.



Ms. Monika Phulia a faculty of DCE, Gurgaon with the event coordinator



Sandeep, a student of DCE, Gurgaon displaying his prize

Microsoft Imagine - Cup India :

Microsoft India organized the event **Imagine Cup 2015 India Final**, inviting finalists from student software developers held at NGF College of Engineering & Technology Palwal during **22nd to 23rd April 2015**. Four students namely **Ayushi Mishra (CSE), Chetna Mahajan (CSE), Chirag Gulati (CSE), Gaurav Verma (ECS)** from **Dronacharya College of Engineering, Gurgaon** along with a faculty **Mr. Tanupriya Choudhury** attended this event. Their project on **Helping Anopsia** was among the top 10 projects in the **World Citizenship** category. This project is a Windows based application that allows blind or visually impaired users to read the text that is displayed on the books with the help of simple logic of Image Processing.



Students at MIC in NGF College, Palwal



DCE, Gurgaon Team with Trophies & Certificates

IEEE: A Talk on Technology Needs for Future Human Space Missions :

Mr. Amar Saraswat, Assistant Professor from CSE Department of **Dronacharya College of Engineering, Gurgaon** attended a talk on **"Technology Needs for Future Human Space Missions"** delivered by **Dr. Kumar Krishen** on the occasion of 40th Anniversary Celebrations of IEEE Delhi Section Chapter on **13th May 2015** at BVICAM, New Delhi.



Dr. Kumar Krishen, Scientist, NASA delivering the talk



Mr. Amar Saraswat with the speaker Dr. Kumar Krishen

Paper Presentation in The International Conference :

Mr. Mahipal Bhukya, Assistant professor from Electrical and Electronics Engineering Department of **Dronacharya College of Engineering, Gurgaon** presented the paper in the International Conference on **Innovative Research in Mechanical, Electrical, Electronics, Civil, Computer Science And Information Technology ((MECIT-2015) held at JNU, New Delhi on 17th May 2015**. The topic of his paper was **"A Novel Method of Integrating Solar-Wind-Tidal Power with Grid"**.

The conference offered a unique opportunity to gain insight into state-of-the-art technology in the field and to network with international researchers and scientists.



Certificate being received by Mr. Mahipal from Dr. G.C Mishra, convener of the

Panel Discussion & Interactive Sessions With Singapore Management University (SMU):

Prof. (Dr.) H. S. Dua, HOD (ECE) and **Prof. (Dr.) K. K. Singh**, HOD (EEE) from **Dronacharya College of Engineering, Gurgaon** attended the Panel Discussions and Interactive Sessions involving SMU Management staff and faculty. The aim of these panel discussions between Singapore Management University personnel, Indian faculty and Industry executives has been to gain insights into India's socio economical scenario and its implications for the SMU for understanding the requirements of Indian Corporate and Academia to explore the possibilities of collaboration between SMU and the Indian Companies and Academic Institutions.

The eminent academicians **Professor Arnoud De Meyer, President SMU; Professor Rajendra Srivastava, Provost & Dy. President SMU** and panellists **Professor Furqan Qamar, Secretary General, Association of Indian Universities, Ambassador Rajiv Sikri, Dr. Madhav Chavan, CEO, Pratham Education Foundation, Mr. Pramath Sinha, Managing Director, 9.9 Media** discussed on various aspects of **Socio economic & Political Landscapes in India, Education priorities for India & Industry - Academia Collaboration etc.**



Professor Arnoud De Meyer, President SMU addressing the gathering



Professor Furqan Qamar, Secretary General Association of Indian Universities addressing the audience

Placements :

Roll No.	Name	Branch	Company
14230	Sajal Mandhan	ECE	Kanz Electrical Industries
14185	Jatin Malhotra	ECE	O4D Solution
14172	Gugandeep	ECE	O4D Solution
14186	Kajal	ECE	SGS Technomech Engineering
14173	Garima	ECE	keysight technologies
14138	Akshay Arora	ECE	AON Hewitt
14925	Pankaj Kumar	ECE	Vivaan Networks Limited
14210	Nitesh Kumar	ECE	Neha Automation
14195	Lokesh	ECE	Comcon Technologies

Roll No.	Name	Branch	Company
14164	Deepak Dudeja	ECE	Acme Cleantech
14257	Mohak Mahajan	ECE	HCL Infotech Ltd.
14926	Ritika Ghai	ECE	Pioneer e-Solutions
14152	Arjun Sahi	ECE	Saburu TLC Worldwide Services Pvt. Ltd.
14925	Monica Chauhan	ECE	Matrix Info Services
14240	Sushant Rajliwal	ECE	Awesome Stays
14160	Bunty	ECE	Osho Real Estate Networks Limited
14249	Vinesh Sangwan	ECE	Clearpath Technology
14251	Vishal Bhatia	ECE	Clearpath Technology
14247	Vikas Suhag	ECE	Link Quest Telecom Ltd.

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 endeavor to sustain the same excellence after becoming alumni of this great institution.



Suman Panwar

I am proud to be a Post Graduate student of ECE Deptt. Of **Dronacharya College of Engineering**.

The college is really a temple of learning with an excellent Library housing a large number of titles and the latest books in various branches of Engg. The college provides very good infrastructure including wi-fi campus and good hostel facilities. The ECE faculty is highly qualified and ever willing to guide the students.



Preeti Gupta

Dronacharya College of Engineering is a pioneering institution dedicated to the advancement of knowledge and excellence in professional education. The faculty of the college is highly qualified, dedicated and ever willing to help the students. The college has the state-of-art library and well equipped labs, thereby providing an excellent learning environment to the students.



Kawaljeet Kamboj

