



Dronacharya College of Engineering

ISSUE

Vol x issue CXII

Electronics & Communication Engineering

In This Issue....

- ✦ Editor's Desk
- ✦ HOD's Desk
- ✦ Events
- ✦ Placement
- ✦ Student's Speak

From Editor's Desk :

In this electronic age we see ourselves being translated more and more into the form of information, moving toward the technological extension of consciousness.

Marshall McLuhan



Dronacharya College of Engineering, Gurgaon keeps students' overall development at the forefront of all priorities; strives to equip the graduates not only with expert knowledge, but also the technical skills to utilize their knowledge with a sense of professional ethics to guide them in their career and personal development. Maintaining high standards in our pedagogy and research, orientation towards industry and awareness of cutting-edge development, we hope to nurture our technocrats with the knowledge and skills which are of paramount importance to a dynamic and rapidly evolving field of fostering internationalization global employability.

Entering through the doors of **DCE**, one can easily notice the excitement that is palpable: feel the energy in the corridors, sense the vibrancy of adventure in the halls, and grasp the wonder of discovery in the classrooms as students and engage in authentic critical thinking leading to the welfare of society.

Our task at **DCE** is to "**ignite the unique spark of genius**", to seek innovative approaches in imparting education. Thus, the Dronacharya family has extended its rich tradition by initiating ground-breaking **Online Technology Courses** to connect our global community. We foment trans-global topics and discussions that help broaden global perspective of our young technocrats.

Our passion for educating future global leaders through various programs and varied extracurricular offerings reflects the centre of our mission, our global mindedness. Being an editor, I welcome you to read this edition, to experience the energy, the vibrancy, and the wonders of it all.

Editor, (Dr. Parul Mishra)

From HOD's Desk :**"Thinking is the capital, Enterprise is the way, and Hard Work is the solution"**

To transform education through excellence in diversified technical education, **Dronacharya College of Engineering, Gurgaon** emphasizes on consequential research and technological innovation by virtue of application-oriented experiential life-long learning and to engender successful entrepreneurs as well as world-class leaders imbued with high moral and ethical values.



The Department of Electronics & Communication Engineering endow with need-based instruction and practical training being imparted to its students to face the challenges of the fast changing corporate and technical world. Courtesy of the dedicated faculty and excellent coaching in both theory and practical, students graduating from ECE department are placed in top ranking companies. With well-established laboratories, an excellent library facility within the college campus enhances the subject knowledge and provides a platform for research and projects in emerging areas and deliberates the latest technologies through its research discussion forum.

The Department has been consistently working towards the goal to produce skilled and scientifically- oriented technocrats. Through flexible and progressive training programs we aim to churn them out in cohesive interaction with the research organizations, academicians and industries.

In a nutshell, the department is well nurtured to cater the needs of education for the career enhancement of students from both technical as well as social aspects. Here, I am reminded of the words uttered by Hon'ble Former **President, Late. (Dr.) A. P. J. Abdul Kalam**:

**"Learning gives creativity that leads to thinking
Thinking provides knowledge which makes you great"**

Head of Department, Dimple Sapru

Events :**Sweden - India Nobel Memorial Quiz held on 16th October 2015 :**

To celebrate innovations, creativity, Swedish contributions to the development of the world and the strengthening of relations between India and Sweden, "**Sweden-India Nobel Memorial Quiz**" was organized by **The Embassy of Sweden in India at Indraprastha College for Women, Delhi on 16th October 2015**. Three students **Tejasvi Anand (17159)**, **Sneh Kumar (17146)** and **Abhinav (17003)** from **Department of Computer Science and Engineering, Dronacharya College of Engineering, Gurgaon** participated in the Quiz. The quiz proved to be very interactive and knowledgeable. The students participated with full enthusiasm. In the end, students were honored by participation certificates signed by Ambassador of Sweden to India.



Various participants sharing their views



Students of CSE Department at Venue

Workshop on "Embedded Systems" held on 20th October 2015 :

On **20th October 2015**, a one- day workshop on "**Embedded Systems**" was organized by **Electronics and Communication Engineering Department** in collaboration with **NIELIT** (National Institute of Electronics and Information Technology, Govt. of India), Delhi. NIELIT is an autonomous scientific society of Department of Electronics & IT (**DeitY**), Govt. of India. The workshop aimed to provide training in the field of embedded systems.

Mr. Sanjeev Sood, Joint Director, **NIELIT, Delhi** gave a brief introduction on NIELIT and different courses at their centre. **Mr. Ankur Kumar** (Technical Officer), **Ms. Monica** (senior faculty) and **Mr. Pawan**, (senior faculty) explained the career domains of IT and Electronics. They guided the students for career in Embedded Technology and Mobile application development. In the practical session, the practical demonstration of the AT mega 16 microcontroller kit was given to the students.



Mr. Pawan, Senior faculty, during practical demonstration



Group photograph

UXNOW2015: The Design Conference held on 21st October 2015 :

IIT DELHI organized a one day conference **UxNow2015: The Design Conference** on **21st October 2015** at their campus. **Akshit Jaggi (15453)** and **Aditya Chhillar (15449)** from the IT department of **Dronacharya College of Engineering, Gurgaon** attended the event.

The objective of the conference was to bring people from diverse backgrounds like designers, entrepreneurs, academicians, developers, students and provide them a multidisciplinary platform to discuss challenges and potential solutions.



Entrepreneurship Awareness Drive, Gurgaon on 23rd October 2015 :

The Entrepreneurship cell of **IIT Kharagpur** in association with **Mahindra Rise** organised for Entrepreneurship Awareness Drive on **23rd October 2015** at Ansal University, Gurgaon. Campus Ambassadors Priya Yadav, CSE Department and Vikrant Singhal, Civil Engineering Department along with Twenty Students from **Dronacharya College of Engineering, Gurgaon** attended the event.

The sessions were graced by the esteemed presence of **Mr. Prajakt Raut**, Co-Founder at **Applyifi** and Founder at the **Hub for Startups**, **Mr. Vineet Singh** Co-Founder, CEO **Buildzar.com**, **Mr. Hari Kishan Nallan Chakravartula**, Co-Founder and CEO, **Think Design**, **Mr. Harsh W. Mishra**, Founder and President, **Indian School of Entrepreneurship, iSEED** and **Mr. Gaurav Sharma**, Angel Investor, Managing Partner **Appsdome Ventures**. They introduced the students with the terms related to entrepreneurship and discussed the growth of Startups. This event has surely broadened the concept of entrepreneurship.



**Mr. Vineet Singh , Co-founder and CEO at Biuldzar.com
addressing the audience**



**Students of Dronacharya College of
Engineering, Gurgaon at the venue**

Industrial Visit to Aprtron Solutions :

The department of Information Technology of **Dronacharya College of Engineering, Gurgaon** organized an **industrial visit to Aprtron Solutions**, Noida on **23rd October 2015**. Twenty five students of Information Technology, Computer Science & Engineering and Electronics & Computer Engineering Department along with faculty coordinator **Mr. Dharmendra Pal** visited the company. The purpose of this Industrial visit was to get familiar students with various networking technologies like CCNA, CCNP & CCIE, Oracle Certified database expert & .Net professional.



Students at the visit

Industrial Visit to SKH Metals Limited held on 23rd October 2015 :

On **23rd October 2015**, **Mrs. Poonam Yadav, Assistant Professor, ECS Department** along with **54 students from ECS, IT, CSE, EEE, ECE & ME Departments of Dronacharya College of Engineering, Gurgaon** visited the **Krishna Maruti Group of Company (SKH Metals Limited), Manesar, Gurgaon**. The visit was organized by **DCE ISTE Student Chapter with the motive to give the students a brief understanding of sheet metal requirements of the automotive industry**. SKH Metal Company manufactures the spare parts of **Maruti Suzuki** like rear axle, fuel tanks, suspension frames, axel housing etc. for cars like Swift, Omni, Baleno and Celerio.



Banner of the Industrial Visit to Krishna Maruti Group of Company (SKH Metals Limited)



Mr. Vikrant Yadav (Asst. Prof., ME Dept.) and Mrs. Poonam Yadav (Asst. Prof., ECS Dept.) with the students

Industrial Visit to Frick India Ltd. Faridabad:

On **24th October 2015**, **30 students** of **III Semester, Mechanical Engineering Department of Dronacharya College of Engineering, Gurgaon** visited to **M/s FRICK India Ltd.** Faculty members **Mr. Lokesh Kumar** and **Mr. Vikrant Yadav** accompanied the students. Manager-Public Relations and engineers at FRICK India Ltd. demonstrated the workshops. **Frick India Ltd.** provides refrigeration solution to almost all the vital industries, related to Food and Agriculture, Dairy Production, Meat, Fisheries and Livestock, Beverages, Chemical and Pharmaceutical Industry etc.

The students visited different shops of the company like **Foundry, CNC Machining, Reciprocating Compressor Assembly, Screw Compressor Assembly, Screw Compressor Package Assembly, SS Frigid Coil Manufacturing, Pressure Vessel Manufacturing, and Manufacturing of Evaporative Condensers** where different parts of refrigeration systems are manufactured and assembled.



Students & Faculty at Frick India Limited

Automotive Overhauling Workshop in AUTOKRITI 7.0 at NIT Kurukshetra:

20 students from **Department of Mechanical Engineering** of **Dronacharya College of Engineering, Gurgaon**, participated in **AUTOKRITI from 25th to 29th October 2016**. It is an automotive overhauling workshop organized annually by club members, in collaboration with Automotive brands. It is one of the biggest and most admired workshops of **NORTH INDIA** as well as **NIT Kurukshetra**. The workshop was organized with the joint efforts of **Society of Automotive Engineers (SAE INDIA) & NIT Kurukshetra Chapter**. The workshop was inaugurated by **Mr. Himanshu Dinodia, Deputy Manager** - Diesel Vehicle testing and Calibration, **Maruti Suzuki Limited** and **Dr. Dixit Garg**, HOD ME, NIT, Kurukshetra.

The seventh season Autokriti 7.0 was a deep insight to Tata Indica (diesel) v/s Tata Nano (Petrol) cars overhaul with advance transmission system & automatic transmission. The event was sponsored by TATA Motors. Our students got an opportunity to overhaul different parts of automobiles by themselves with the help of mentors. Moreover they got a chance to work with students of many reputed institutes of north India including **NITs** and **IITs**.



Students doing hands on practice in Automobile Lab



Inauguration of AUTOKRITI Workshop

Debate & an Elocution Contest on “Vigilance is a Necessary AID to Governance” Organized by Gail India Limited :

On **27th October 2015**, six students **Nikhil Kumar** (18107), **Vertika** (18181), **Akshith Kohli** (18200), **Pranav Sharma** (18118), **Kanchan Gosain** (18215) and **Utkarsh Pallav Singh** (18425) from **Applied Sciences & Humanities Department, Dronacharya College of Engineering, Gurgaon** participated in the Debate & Elocution Contest on the topic “**Vigilance is a necessary aid to Governance**” or was a medium of observing Vigilance Awareness Week from **26th to 31st October 2015** organised by **GAIL India Limited** at **DGI, Greater Noida**. The basic motto of this week was to create a corruption free society.

Teams from the different colleges of NCR participated in this contest. **Nikhil Kumar** Roll No.18107 got the First position in the elocution contest (Hindi). Another team comprising **Vertika** Roll No.18181 and **Akshith Kohli** Roll No. 18200 bagged the First Prize in the debate (Hindi) contest. Another team consisting of **Kanchana Gosain** Roll No. 18218 and **Utkarsh Pallav Singh** Roll No. 18425 got the second position in the debate (English) competition. Students received Participation Certificates and Cash Awards **Rs. Rs.5000/-, Rs.3000/- & Rs.2000/-** for **First, Second** and **Third Prizes** respectively.



Certificates and Prizes being given away to Vertika, Kanchan Gosian and Utkash P. Singh participants from DCE, Gurgaon



Guest Lecture on “Surface Computing” held on 28th October 2015 :

On **28th October 2015**, **Electronics & Computer Engineering Department of Dronacharya College of Engineering, Gurgaon** organized a guest lecture on “Surface Computing”. The speakers for the lecture were **Mr. Arshdeep Chaggar** (Buisness Head), **Mr. Prashant Kumar Jyanth** (Expert) and **Mr. Himanshu Singh** (Expert) from Infi-Zeal Technologies, New Delhi. Infi-Zeal Technologies is an IIT Alumni Venture, an ISO Certified 9001:2008 company. During the lecture, Touch and Augmented Reality was explained to students and how to make multi touch pads, to convert screen of laptops into touchscreen.



Annual Economics Conclave 2015 held on 28th October 2015 :

Ecotryst, the economics society of SGTB Khalsa College organized The Annual Economics Conclave 2015 on **28th October 2015** at SGTB Khalsa College. The theme of discussion at the event was '**Global Economic Scenario: Lessons and Opportunities for India**'. **Akshit Jaggi** (15453) and **Aditya Chhillar** (15449) from **Dronacharya College of Engineering, Gurgaon** participated in the event.

The objective of the event was to make the participants understand the factors that influence the Indian economic growth. Economics is a social science and an indicator that encourage the Indian growth model and markets discipline.



Inauguration of "Entrepreneurship Lab" held on 29th October 2015

"Success is the sum of small efforts, repeated day in and day out." All it takes to be an entrepreneur is to have the courage to stand up for one's own dream. The **Entrepreneurship Development Cell** of **Dronacharya College of Engineering, Gurgaon** inaugurated "**Entrepreneurship Lab**" in collaboration with **Department of Science and Technology, Government of India** and **Acharya Narender Dev College, Delhi University** on **29th October 2015**.

Mr. Sanjay Vohra, working as **Head of Innovation and Entrepreneurship Development Centre** and In-charge, **UDGAM** at Acharya Narender Dev College along with **Mr. Ravi Gupta**, an entrepreneur inaugurated the "**Entrepreneurship Lab**". The purpose of establishing this Lab is to make students self reliable and boost confidence amongst them that they could take risk to have their own start-ups and manage businesses.



Mr. Sanjay Vohra addressing the students



Mr. Sanjay Vohra, Mr. Ravi Gupta and Prof. Vishal Bharti, HOD CSE during the inauguration of the event

Panel Discussion on “Reimagining The Future” held on 30th October 2015 :

To discuss the various processes for the improvement in the field of education, a panel discussion on “**Reimagining the Future**” was organized at **PHD Chamber of Commerce, New Delhi on 30th October 2015** by **Purdue University**. **Mr. Amar Saraswat, Assistant Professor, CSE, Mr. Ashish Gambhir, Assistant Professor, ECE** along with the students attended the panel discussion.

The event started with lamp lighting ceremony followed by a welcome note delivered by **Dr. Alok B. Shriram**, President, PHD Chamber. The panelists included **Mr. Mitch Daniel**, President Purdue University and Governor Of Indiana, **Dr. Rubina Mittal**, CEO Chairperson, Education Committee, PHD Chamber, **Mr. Richard Rahul Verma**, United States Ambassador To India and **Mr. Anupam Jalote**, CEO, Green oil Sciences Ltd.



Dr. Alok B. Shriram, President, PHD Chamber
delivering welcome note



Mr. Amar Saraswat, and Mr. Ashish Gambhir
along with students at venue

18th ISTE National Students Convention held on 30th October 2015 :

The 18th ISTE National Students Convention, themed “**Technology for Rural Development to Accomplish Vision India - 2020**” was hosted by **KINGS College of Engineering, Tamil Nadu on 30th October, 2015**.

Dronacharya College of Engineering has been identified as the Best Student Chapter of ISTE Haryana Section on the basis of activities carried out during the year 2015 and so was nominated for the prestigious award. **Dr. Neelam Ruhil**, Chapter Head of ISTE DCE Student Chapter, received the award on behalf of **Dronacharya College of Engineering, Gurgaon**.



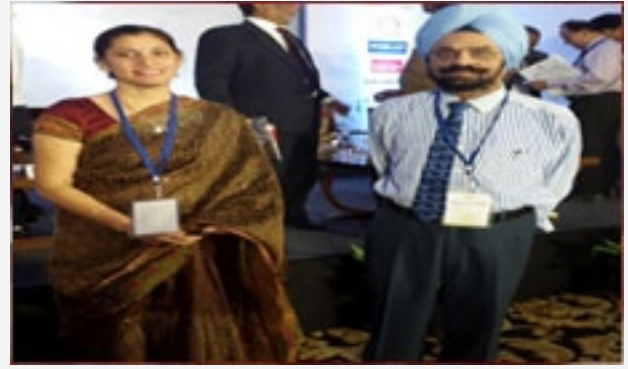
“EDU-VOYAGE” held on 30th October 2015 at Shangrila, New Delhi :

Dimple Saproo, HOD, Electronics and Communication Engineering, attended the conference on “**The Edu-Voyage**” held on **30th October 2015** at **Shangrila, New Delhi**. The aim has been to discuss the issues involved in **Transforming Higher Education**.

Prof. Kaptan Singh Solanki, Hon'ble Governor of Haryana, Punjab & Union Territory of Chandigarh delivered the inaugural address. Hon'ble Governor stated that “**Transforming Education**” is equivalent to transforming India. Human Values, Good Character and Personality Development are the outcomes of good education.



**Hon'ble Governor, Prof. Kaptan Singh Solanki
delivering the Inaugural Address**



**Mrs. Dimple Sapru & Prof. (Dr.) H. S. Dua at
the Conference of DCE, Gurgaon at The Venue**

2nd International Conference on "Recent Development in Science, Engineering & Technology" (REDSET - 2015):

On **31st October, 2015**, **Mr. Vikrant Yadav** from **Mechanical Engineering Department** of **Dronacharya College of Engineering, Gurgaon** presented a paper on **"Solar cooker with PCM unit based on parabolic through collector with vacuum tube heat pipe"** in **2nd International Conference on "Recent Developments In Science, Engineering & Technology" (REDSET - 2015)** organized by **G.D Goneka University, Gurgaon**. The theme of the conference was **"Scientific and Technological Innovations for Sustainable Development"**. The keynote speakers of the conference was **Dr. Dinesh Kumar Paliwal**, Officer on Special Duty in **RUSA (Rashtriya Uchcharat Shiksha Abhiyan)**, Department of Higher Education, **MHRD (Ministry of Human Resource Development)**, **Dr. Rathnasree**, Director of Nehru Planetarium, **Nehru Memorial Museum and Library**, **Mr. Pradyumn Lavaniya**, Director, Cloud and Service Providers, **EMC India & SAARC** and **Rajdeep Sahrawat**, Head of International Business & Strategic Marketing for Government business unit, **TCS**.



Certificate

(QEEE) Phase - IV Feedback Workshop held on 31st October 2015 :

A One day Workshop of all QEEE Coordinators was **conducted at IIT Madras** on **31st October 2015** at the ADI Seminar hall of Electrical Department. More than 60 participants from all over India participated in the workshop. **Dr. Neelam Ruhil** represented **Dronacharya College of Engineering, Gurgaon** at the workshop.

An open house workshop was organized with the objective of taking the feedback from all the QEEE Coordinators and Local Faculty members regarding QEEE Phase IV and to discuss the solutions to problems being faced during the course.



Prof. Ashok Jhunjunwala interacting with coordinators

Engineering Education & Research Seminar Conducted by National Instruments held on 31st October 2015 :

Four Faculty members, Ms. Charu Jain (EEE), Ms. Priyanka Mahani (ECS), Ms. Preeti Sharma (IT), Mr. Krishanu Kundu, (CSE) from Dronacharya College of Engineering, Gurgaon attended the Seminar on Engineering Education and Research organized by National Instruments (NI) at Hotel Radisson Blu, Greater Noida on 31st October 2015. The Seminar began with an Introduction about the World Skills Competition given by members of **NSDC** (National Skill Development Corporation). The objective of the seminar was to emphasize basically upon the importance of Skill Development and its need.



Ms. Priyanka Mahani Assistant Prof, ECS with Mr. Nihal from NSDC

62nd Foundation Day of IETE at Lodhi Road, Delhi held on 2nd November 2015 :

Ms. Pankti Brar (Assistant Professor, ECE), **Mr. Dharmendra Pal** (Associate Professor, IT), **Mrs. Priya Yadav** (Assistant Professor, ECE) and **Ms. Saloni Bhatia** (Assistant Professor, ECS) along with 10 students of **Electronics and Communication Engineering Department and Electronics and Computer Engineering Department attended the 62nd Foundation Day of IETE at Lodhi Road, New Delhi on 2nd November 2015.** The theme of event was "**The Role of IETE in Digital India**". **The Guest of Honor, Dr. Satheesh G. Reddy (Scientist, DRDO), motivated the students to come up with new and innovative ideas on the various problems faced by our society.**



Ms. Saloni Bhatia and ECS students with Chief Guest Dr. Satheesh G. Reddy



Prof. K.K. Aggarwal during the session

Expert Talk on “Being Crazy Isn’t Enough” held on 2 Nov 2015 :

To be successful in life one needs to know what he is doing, love what he is doing and believe in what he is doing. **Entrepreneurship Development Cell** at **Dronacharya College of Engineering, Gurgaon** is absolutely committed to provide the best possible opportunities to its budding entrepreneurs. An EXPERT TALK on “**Being Crazy isn't enough**” was organized by **EDC Cell** on **2nd November 2015**. The Entrepreneurship Development Cell has taken much collaboration with various organizations and one such collaboration is with **Asian Institute of Family Managed Businesses** to promote first and second generation entrepreneurs.

A series of events are planned under the umbrella of this collaboration and the first was “**Expert talk**” by **Mr. Prem Kumar Singh**, a mountaineer. **Mr. Prem Kumar Singh** is a front runner in the field of mountaineering not just in India but the world and a true blue blooded adventurer.



Prof. (Dr.) B.M.K. Prasad, Principal, DCE, Gurgaon gracing the occasion



Mr. Prem Kumar Singh during his talk

FICCI Higher Education Summit 2015 held on 3rd - 4th November 2015 :

Federation of Indian Chambers of Commerce & Industry (FICCI) organized the 11th FICCI Higher Education Summit 2015 “**Transforming Higher Education: The Asian Imperative**”, supported by the **Ministry of Human Resource Development (MHRD) and the Planning Commission, Government of India** on **3rd - 4th November 2015**. **Mr. Chandra Shekhar Singh, Associate Professor, EEE Department**, along with sixty four students from all branches, represented **Dronacharya College of Engineering, Gurgaon** at the Summit.

The objective of the summit was to bring together stakeholders including key policy makers, educationists and industry at both national and international level for deliberations and knowledge sharing. It was very much in line with the current government's focus on aligning India's development with the growth of Asia.



Mr. Chandra Shekhar Singh, with students at FICCI Higher education Summit 2015



IRelease of FICCI-EY Report; FICCI-EFMD Report; and FICCI-British Council Report 2015

Workshop on “Virtual Labs” Organized by Dronacharya College of Engineering, Gurgaon :

Dronacharya College of Engineering, Gurgaon, the Nodal Center of Virtual Labs of IIT Delhi conducted one day workshop on **“Virtual Labs”** on **4th November 2015**. A total of 60 students of Electronics, Electrical, Computer, IT and ME streams participated in the workshop. Virtual Labs is an initiative of Ministry of Human Resource Development (**MHRD**), Govt of India (**GOI**) under the National mission on Education through ICT (**NMEICT**). The aim of virtual labs is to conduct joint experiments by two participating institutions and also sharing costly resources. With the development of internet and computer technologies students and researchers have huge advantages in enhancing their skills and knowledge. Internet-based experimentation further permits use of resources - knowledge, software, and data available on the web, apart from encouraging skillful experiments being simultaneously performed at points separated by distance and time.

Mr. Tanmay Das, Outreach In-charge Virtual Labs Project IIT Delhi briefed that the basic purpose of Vlab. A very interactive session on Virtual labs given by **Mr. Sajeiv Soni** (Field Engineer) from IIT Delhi who demonstrated a few experiments based on **Applied Physics, Basic Electronics** and **Data Structure** labs to the students. The objective of the demonstration was to make students well conversant with the principles and functions of Virtual Labs. **Hands-on Practice** was also given to the students in Labs.



IIT Expert Mr. Tanmay Das demonstrating Vlab Portal



Distribution of Certificates to the participants of the Workshop

Industrial Visit to Network Bulls held on 4th November 2015 :

An Industrial Visit to **Network Bulls, Gurgaon** was organized by **Computer Science & Engineering** Department of **Dronacharya College of Engineering, Gurgaon** on **4th November 2015**. A total of Forty five students from CSE, ECS, IT, ME, and ECE Departments, along with the faculty member Mr. Amar Saraswat, Assistant Professor, CSE Department visited to Network Bulls. Network Bulls, a leading Cisco organization based in India introduces Asia's biggest Cisco labs.

During the industrial visit, **Mr. Pratap**, Network Consultant, Network Bulls gave the basic introduction about networking. He discussed various hybrid network devices such as **multilayer switches, protocol converters, bridge routers, proxy servers, firewalls, network address translators, multiplexers, network interface controllers, wireless network interface controllers, modems, ISDN terminal adapters, line drivers, wireless access points, networking cables** and other related hardware used in networking. The industrial visit proved to be beneficial for the students interested in the field of networking and gave them the industrial exposure.



Mr. Pratap, Network Consultant during lab session



Students along with Faculty member during the Industrial Visit

Conference on Bridging The Gap held on 4th November 2015 :

A Conference on Bridging the Gap “Fostering Growth through Education and Entrepreneurship” was conducted by Confederation of Indian Industry (CII) on **4th November 2015** at IHC, New Delhi. The main aim of this workshop was to make a combined effort by Educationists and Entrepreneurs to create special education for SC/ST community so that they would have more opportunities in the jobs to compete with the growing economy. Faculty members Lokesh Kumar (Assistant Professor ME) and Amit Narwal (Assistant Professor ME) from **Dronacharya College of Engineering** attended the Conference.



Workshop on “Networking”(5th November 2015):

On **5th November 2015**, **Department of Electronics and Communication Engineering** organized a workshop for the students of **III, V & VII SEM** students in college. **Mr. Tarachand Dhoundiyal**, CEO, **Milestone Achievers OPC Pvt. Ltd.** briefed the students and providing them support in the area of **CDP, Technology (Telecom, IT, Networking & Cloud Computing)** and **Project Management**.



Students during the session

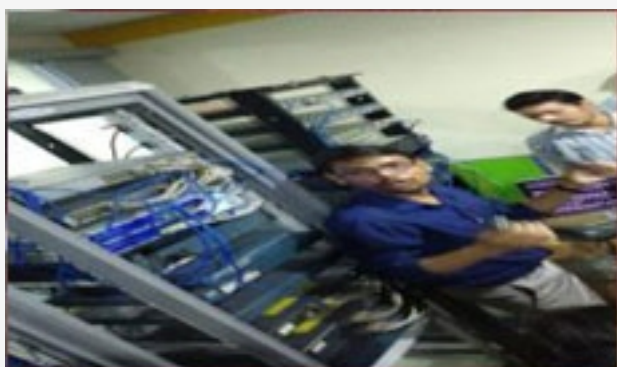


Mr. Tarachand, CEO, during the session

Industrial Visit to Apron Solution Pvt. Ltd. held on 5th November 2015 :

An Industrial Visit to **Apron Solutions Pvt. Ltd.** was organized by **Computer Science & Engineering Department** of **Dronacharya College of Engineering, Gurgaon** on **5th November 2015** at Noida. A total of Thirty Four students from CSE, CSIT and ECE Departments, along with **Mr. Amar Saraswat**, Assistant Professor, CSE Department went to **Apron Solutions Pvt. Ltd., Noida** for visit. APTRON Solutions Pvt. Ltd. is a leading organization that provides more than three hundred IT and non-IT industry standard training progressions for working professionals.

The objective of this visit was to provide industry exposure to students about **Cisco Networking**. At the end there was an interactive questions and answers session in which students raised some questions and their doubts about the topic and the certificates were distributed to the students. The students felt motivated and were enthusiastic throughout the industrial visit. The industrial visit to Apron Solutions Pvt. Ltd. proved to be very enriching and encouraging for the student.



Lab Visit at APTRON



Students along with Mr. Amar Saraswa Assistant Professor, CSE Dept during the visit

Quadcopter Workshop & Championship :

Mechanical Engineering Department of **Dronacharya College of Engineering, Gurgaon** organized a two-day Workshop and Championship on **Quad-Copter "ROBOTRYST'16"** in on **5th - 6th November 2015** in collaboration with **Robosapiens Technologies Pvt. Ltd., Tryst 2016 (IIT Delhi)**. **Mr. Vikas Sahu**, Assistant Professor and **Mrs. Manjari Saxena**, Assistant Professor coordinated the event. The objective of the workshop was to train the students on **"QuadCopter"**, its design and its making.

Mr. Ravinder Singh, Resource Person and Eminent Scientist from RoboSapiens Technologies, talked about the history, branches, concepts and applications of QuadCopter. He also shared the concepts of designing the QuadCopter using various sensors and microcontrollers. The students were provided with a kit through which they may design and flew their own QuadCopters. Hands on information; the software used to program and feed the data into QuadCopter for their functionality, about the QuadCopter was also given. The workshop concluded with a competition among the students to design a QuadCopter using either pen and paper or any design software available.



Hands on Practice during the Quadcopter



Faculty & Student Coordinators of the Workshop at DCE, Gurgaon

Industrial Visit to Diesel Loco Shed, Tughlakabad:

On **6th November 2015**, **40 Students** of **V Semester, Mechanical Engineering department** of **Dronacharya College of Engineering, Gurgaon** attended an Industrial Visit to **Diesel Loco Shed, Tughlakabad**. Two faculty members, **Mr. Nitin Dixit (Assistant Professor)** and **Mr Vikrant Yadav (Assistant Professor)** accompanied the students during the visit. **Diesel Loco Shed** maintains a mail link of 122 locos, which is highest for any shed in Indian railways. Some of the important and prestigious trains being run by the shed are: Jammu Tawi and Gowahati Rajdhani Express, Shatabdi Express for Amritsar, Dehradun and Ajmer, Puja Express, Uttar Sampark Kranti, Lucknow Mail, Kashi Vishwanath, Shramjivi Express and the tourist train palace-on-wheels.

Initially, students were provided theoretical lecture about the working of diesel engines and various engine types. **Mr. Omkant Sharma, Mr. D.S. Nagi** and **Mr. Ramesh Sharma** demonstrated the diesel loco shed. Later cut models (with working and non-working types) of various important components of locomotives such as expresser, cylinder head, turbo super charger, water pump, lube oil pump, governor etc. were demonstrated for better understanding.



Students & Faculty at Diesel Loco Shed, Tughlakabad Workshop



Mr. Omkant Sharma delivering lecture about Loco shed

National Workshop on Power Electronics (NWPE - 2015) held on 6th & 7th November 2015 :

The **National Workshop on Power Electronics (NWPE - 2015)** under the umbrella of **National Mission on Power Electronics Technology** (launched by the Department of Electronics and Information Technology (DeitY) Govt. of India) organized a workshop on Power Electronics at Delhi Technical University on **6th** and **7th November 2015**. The theme of the workshop was "Power Electronics for Sustainable Energy". **Dr. Deepika Yadav, Associate Professor** and **Ms. Charu Jain, Assistant Professor** from **Dronacharya College of Engineering, Gurgaon** attended the event.



Ms. Charu Jain & Ms. Deepika Yadav during the workshop



Workshop on Green Buildings : Achieving Sustainability through Energy Efficiency, Environmental Monitoring & Structural Health Monitoring :

IV Noble Solutions organized a **workshop on Green Buildings: Achieving Sustainability through Energy Efficiency, Environmental Monitoring and Structural health Monitoring at IIT Delhi** on **7th November 2015**. Four students namely **Prateek Singh Patel (15622), Aman (15971), Raman Bhardwaj (15976)** and **Amandeep (16813)** from **Civil Engineering Department of Dronacharya College of Engineering Gurgaon** attended the workshop.

The main objective was to disseminate the research outcomes on sustainable and built environment. The deliberations concentrated on determining effective strategies of implementing sustainable and built environment through use of green construction materials, energy efficiency, indoor air quality monitoring and advanced structural health monitoring.



Students with Team Members



Students awarding with Certificates

Workshop on Android Application Development held on 7th & 8th November 2015 :

IEEE Delhi section organized a two day **workshop on Android Application Development** at Northern India Engineering College (NIEC), New Delhi on **7th & 8th November 2015**. Student members from all colleges in Delhi Section attended the event. **Four students Amit Mittal, Mukul Dev Singh, Sandeep Kundu and Somdev Kundu** from EEE Department of **Dronacharya College of Engineering, Gurgaon** attended the App Dev Workshop. The workshop concentrated on Basic App designing and Wireless (Bluetooth) controlled Projects.

1. Help the Students learn Android App development without any prior coding background, C++ or Java Skills:
2. Android app development using eclipse studio development kit.



Students during the workshop



Students receiving the certificates

Selection as Microsoft Student Partner (MSP):

Twelve students from **Dronacharya College of Engineering, Gurgaon** has been selected as **Microsoft Student Partner (MSP)** that provides a wonderful opportunity to act as a bridge between Microsoft and Institutions across the countries. **Microsoft** Cooperation is an American multinational technology company headquartered in Redmond, Washington and **Microsoft Student Partner (MSP) Program** is a worldwide initiative to provide profligate opportunity to the selected MSP's very year.



Selected Students of CSE department as MSP's

E-Yantra Project on Puzzle Solver Robot:

On **7th October 2015**, 4 students (Neetu Sharma and Nikhil Mehra of V semester Mechanical Engineering, **Aditya Goswami** and Hitesh Kansal of V semester Computer Science Engineering) under the supervision of **Mr. Amit Bhatia**, Assistant Professor, Mechanical Engineering participated in **e-Yantra Robotics Competition-2015** organized by **IIT Bombay**. This team has cleared first round and selected for phase II. The puzzle was specially designed for interaction with the robot. The objective of this project is to create a semi-autonomous system which carried out and completed its intended task.



A Group Photograph of Students Participated in the Competition

Nainital Trip from 6th - 9th November 2015 :

The **Department of Electronics and Communication Engineering** organized a trip to **Jim Corbett and Nainital** for 53 students of final year, accompanied by faculty member, **Mr. Surender Dhaka**, Assistant Professor, ECE. It was a refreshing trip and the students enjoyed a lot. The first day included safari in the Jim Corbett National Park, where the students had been through various breeds of deer and elephants while on the second day comprised of trip to Nainital and boating in the Naini Lake and enjoyed walking in the cold breezes across the lake on the mall road. In a nutshell, it was an amazing trip and everyone enjoyed it to the fullest.



Students at Jim Corbett

Placement :

Roll No.	Name	Branch	Company
15225	Satvinder Singh	ECE	Think & Learn
15140	Anirban Maitra	ECE	Channelplay
15232	Sneh Pawar	ECE	IGATE
15240	Vibhuti	ECE	IGATE
15159	Chandan	ECE	IGATE
15160	Deepak	ECE	IGATE
15208	Pragy Kaushik	ECE	IGATE
15211	Prerna Setia	ECE	IGATE
15233	Sudeep Kumar Yadav	ECE	EXL Services
15247	Arfa Quamar	ECE	Huawei Technologies

Student's Speak :

I am proud to be an Under-Graduate student of ECE Deptt.of **Dronacharya College of Engineering, Gurgaon**. 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 Engineering.The college provide very good infrastructure including wi-fi campus and good hostel facilities.The ECE faculty is highly qualified and ever willing to guide the students.



Sneh Pawar

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.



Rahul Kumar

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



Pragy Kaushik