



Dronacharya College of Engineering

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Civil Engineering

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From Editor's Desk :

A College is a source of wisdom, seed-bed of character, model of discipline, training ground of democracy and nursery of great hearts, strong minds, true faith and willing hands. Hence, education has a pivotal role in harvesting available resources to contribute to the prosperity of the nation.

This newsletter will be a medium to provide proper acknowledgement and respect all of these efforts and its results. To achieve progress and to meet objectives we have to cross numerous milestones. This maiden issue of newsletter should inspire all of us for a new beginning enlighten with hope, confidence and faith in each other in the road ahead.



Editor, (Dr. Sunil K. Mishra)

From HOD's Desk :

It is a great pleasure to have this issue of monthly newsletter with highlighting theme of civil engineering department. Civil Engineering Department is currently in the third year of its academic journey towards the development of excellence.

Civil engineering has its own place in country's development. Infrastructure in India is going to be developed at large scale in the next coming years. The department of civil engineering fulfills the requirement of acquisition of various skills by well designed curriculum, well qualified, experienced and dedicated faculty and staff, well equipped infrastructure like laboratories, and effective teaching learning process.



Innovation in technology is the core of every emerging business. The budding under graduate students are able to push the boundaries of innovation and create newer possibilities through a synergy between core sector knowledge and technological understanding. Thus, becoming valuable a resource for the industries. The various other departments are doing their best round the year day and night to achieve the mission with quality within time with satisfaction to each and every stakeholder.

Head of Department, Prof. (Dr.) Anand Verdhen

Projects :

The students of IV and VI semester of Civil Engineering Department are working in various projects during the course of time.

One of the projects titled "**Earthquake prevention using Base isolation System**" has been completed under the guidance of Prof A. Verdhen (HOD) and **Ms. Sakshi Gupta (Asth. Prof.)** and has been nominated for India's Budding Award 2013. The students involved in the project are **Deepak Pahuja, Anisha Mor, Deepak Kumar, Abhishek Chauhan, Dinesh Kumar** and **Himanshu Bisht** from **Sixth Semester**.

Objective: The project aims at making the safe structures that are being installed with the isolation unit. The base isolation system helps the structures to resist against the damaging nature of the seismic waves.

Workshops/Conferences/Seminars/Paper Presentation :

Paper Presentation in The Conference ESTEEM 2014:

Mukul Mudgal (14566), **Naveen Kumar** (14567) and **Sunil Gulia** (14585) participated in the conference ESTEEM-2014 organized at Prannath Parnami Institute of Management and Technology, Hisar on **8th - 9th March, 2014** and presented their paper titled "**Clouting of Ambience Deterioration.**"

Paper Presentation at TRYST 2014:

Kabi Prasad Parida (15601), **Rahul Kumar** (15624) and **Chandan** (IV Sem, Civil) presented a research paper on "**Design principal for Earthquake Resistant Building and Post Earthquake Study by Structural Engineering perspectives**" at **IIT, Delhi** in **TRYST 2014** on **1st March 2014**.

Paper cum Poster Presentation at IIT, Kanpur

Punit Malik (Roll No. 14577), **Civil Engineering Department of Dronacharya College of Engineering, Gurgaon** attended a four-day technical cum cultural festival organized by IIT Kanpur from **6th - 9th March 2014** organized by Techkrit at Indian Institute of Technology, Kanpur and had participated in the paper cum poster presentation titled "**Implementation of porous asphalt roads in India**" Event Eureka.



Puneet Malik presenting at IIT Kanpur

NPTEL ONLINE CERTIFICATION COURSE AT IIT MADRAS ON FEBRUARY 25, 2014

Ms. Kritika Chaudhry, Assistant Professor (Information Technology Department), **Ms. Deepti Chahar**, Assistant Professor (Electronics & Communication Engineering Department) and **Ms. Chesta Agarwal**, Assistant Professor (Computer Science & Engineering Department) attended this workshop.

The workshop inaugurated by **Mr. Andrew Thangaraj**, NPTEL coordinator, IITM focused on providing the details of the "First Online Certification Course by NPTEL". The inauguration was followed by an enriching talk by **Dr. Sandhya Chintala**, Vice - President NASSCOM. The workshop also witnessed the speakers from top employers like Cognizant, TCS speak about the NPTEL initiative and the "Transformations in Top Areas of Education".



Certificate Distribution

IBM RESEARCH DIGITAL LEARNING WORKSHOP 2014 ON 27th -28th FEBRUARY 2014

Neelam Ruhil, Associate Professor, CSE Department got the privilege to represent **Dronacharya College of Engineering, Gurgaon** at two Day IBM Research Workshop on "**Digital Learning**" on **27th-28th February 2014** at **ISID Auditorium, New Delhi**. The objective of this workshop was to discover that how educational materials are transitioning from print to digital media and how face-to-face learning experience is shifting to more multimedia and distance option. The transformation to digital media for learning changes the education experience - from the way learning materials are prepared and disseminated, to understanding how students learn, where students learn, and the ability to glean analytics and deeper insights about student performance.



Neelam Ruhil, Associate Professor (CSE Dept)
with the guest - speaker

“E-WEEK CELEBRATION” ON FEBRUARY 26, 2014 :

Dronacharya's Centre for Entrepreneurial Enterprise & Development (D'CEED) of **Dronacharya College of Engineering, Gurgaon**, Haryana, celebrated **E-Week 2014** to promote entrepreneurship skills among students. In the presence of revered Principal **Prof. (Dr.) M.N. Hussain** and delectable **HOD's**, E leaders - **Sanya Harneja** (Roll No. 14486) & **Komal Chauhan** (Roll No. 15072) introduced D'CEED to the new e-cell members (participants). In her Inaugural address, **Prof. Swati Jha**, EDC Head, briefed the students about entrepreneurship, National Entrepreneurship Network (NEN) and E-Week objectives. **Idea Generation** exercise was conducted by E-Leader **Jorawar Singh** (Roll No. 14039). **Mr. Feroz Khan**, Director, Convexion Software Solution India Pvt. Ltd. was invited for an entrepreneurial talk. Some motivational videos were played and Rules for **Rs. 50 exercises** was discussed by E-Leaders **Anuj Yadav** (Roll No. 14606) and **Aman Sharma** (Roll No. 14603). A documentary of Social Entrepreneurship in Chhattisgarh on “Warna Complex” was showcased to motivate students for the same. This was in line with the theme of E-Week 2014 **“Innovating for India”**. **Mr. Nazeer Ahmed Khan**, Chief Manager, Syndicate Bank, Gurgaon was invited for spreading awareness about loan facilities for entrepreneurs and the qualities they look for in an individual before sanctioning the loans. Ceremony came to its end with Vote of Thanks being delivered by **Neelima Saini** (Roll No. 15723).



Mr. Feroz Khan, Director, Convexion Software Solution Cell of India Pvt. Ltd. sharing his personal experiences



Dynamic E-Leaders team of D'CEED DCE, Gurgaon

WORKSHOP EXPERIENCE AT EXPO 2014 :

Abhineet Sinha (Roll No. 15699) from Electronics & Computer Engineering Department of **Dronacharya College of Engineering, Gurgaon** worked as a Senior Co-ordinator with Mercedes Benz in Auto Expo 2014 from **4th-12th February 2014**. He wanted to get firsthand experience of event management, develop his communication skills and techniques, learn how to deal efficiently with customers and make contacts for possible future employment.

WORKSHOP CUM COMPETITION ON “MEGA WATER ROCKETRY” :

A workshop cum competition Mega Water Rocketry was organized on **11th & 12th Feb 2014** by Mechanical Engineering Department. It was inaugurated and introductory speech by convener of an event (**Prof. Dr. S. K. Bagga**) and **Mr. Yatendera Bhargva** (event organizer) and his team. **Mr. Bhargva** started the workshop with the introduction about water rocketry. After the theory session the kits were distributed to all the participants in the group of four. All groups fabricated their rockets. After the end of launching session feedback was given by **Mr. Bhargva** to the students about their rocket design.

The main competition was held on **12th Feb** in which groups 2 students and rocket launching was performed. After the lunch session the mementos were presented to principal sir, HOD Mech. Engg. and coordinator of this event by Mr. Bhargva. Also the medals and shields were given to winners on the basis of best design and maximum range.



Hon'ble Principal along with the Faculty and the students of ME

BOSCHWORKSHOP :

A two day training programme on working of Diesel Fuel Injection Pump and Petrol engine was conducted on **20th** and **21st Feb 2014** in BOSCH Training Centre, Mohan Cooperative Industrial Estate, New Delhi, wherein, Mrs. Rashi Koul, Associate Professor and Mr. Kuldeep Sagwan from Mechanical Engineering Department participated along with some students .

The Regional Trainer of BOSCH, **Mr. Parag S. Kavthekar** shared the detailed information about the various engines and instruments in their Training centre.



Ms. Rashi Koul and Mr. Kuldeep Sangwan during various displays of machineries at Robert Bosch

INDUSTRIAL VISIT M/S HERO MOTOCORP LTD. NEEMRANA, GURGAON :

Mechanical Engineering Department of **Dronacharya College of Engineering** organized an Industrial Visit for 33 students of 4th semester on **15th February 2014** to M/s Hero Moto Corp Ltd. Faculty members namely **Mr. Vijay Wakhlu**, Associate Professor and **Amit Narwal**, Asstt Prof accompanied the students.

All the students and faculty visited the various plants. **Mr. Nirmal Chaudhary**, AGM (HR) and **Sh. Arun Sharma Manager** (HR) at Hero Moto Corp Ltd., were with us during visit. The students were briefed about the company and its products by the officials in their conference room and later taken to various manufacturing units. Students could observe how a factory looks, the main operations done in each shop, raw materials used and their handling etc.



Prof. Vijay Wakhlu and Mr. Amit Narwal with the students of ME at Hero Moto Corp during Industrial Visit

GRAND FINALE OF E-WEEK CELEBRATION AT VIT CAMPUS, JAIPUR :

Entrepreneurship Development Cell of **Dronacharya College of Engineering** celebrated **E-Week** with great enthusiasm during **February-March 2014**. We organized, orientation program on **26th February 2014** and our E-Leaders visited various schools in Delhi/NCR to enlighten the young mind of nation regarding entrepreneurship. We also competed for awards during **E-week 2014** to be given by **National Entrepreneurship Network (NEN) & Wadhvani Foundation**.

Our efforts have been recognized and E-Cell of our college named as **D'CEED** (Dronacharya's Center for Entrepreneurial Enterprise and Development) has won "**Entrepreneurship Week India 2014 Runners up Trophy**" of **E-Week 2014** held at **VIT Campus, Jaipur** on **March 8th, 2014**.

Prof. Swati Jha, Head EDC, along with **Ms. Renu Piplani, Neelima Saini (Roll No. 15723)** from **ECS**, **Sumit Kumar Pandey (Roll No. 15650)** from **CIVIL**, **Harsha Suri (Roll No. 15035)**, **Komal Chauhan (Roll No. 15072)** from **CSE**, **Sparsh Kaushik (Roll No. 14379)**, **Anurag Saini (Roll No. 14289)** and **Rijul Prakash (Roll No. 15372)** from **ME** department attended the same.



Prof. Swati Jha along with E-Leaders receiving the award



EDC Team of DCE Gurgaon with E-Week 2014 Runner-Up award at VIT Campus, Jaipur.

Faculty Achievements :

- **Miss Sakshi Gupta**, Assistant Professor, Civil Engineering Department, has been selected as a **Reviewer of International Journal of Scientific Engineering and Technology (IJSET)** ISSN: 2277-1581 and reviewed two papers in the first week of March. She has also been selected as a **Reviewer of International Journal of Engineering Research (IJER)** ISSN: 2319-6890 and **Editorial team member of International Journal of Advancements in Research & Technology (IJOART)** ISSN: 2278-7763.
- **Sakshi Gupta**. "**Application of Silica Fume and Nanosilica in Cement and Concrete A Review**". Journal on Today's ideas-Tomorrow's Technologies, Chitkara University, Volume 1, No. 2, 2013, pp. 85-98, ISSN: 2321-3906 (Print), 2321-7146 (Online).
- **Miss Sakshi Gupta, Assistant Prof.** attended a **Webinar on Computer vision made easy (Event number: 664 736 238)** on **March 6th, 2014** and on **Programming with MATLAB (Event number: 665 605 787)** registration ID: **494572** on **February 11th, 2014** organised by MathWorks, Inc.

Student Achievements :

Sports Event :

The Tug of War Team coordinated by **Vikram Singh Sandhu** (Roll No. 14588) and under the captaincy of **Sumit Dagar** (14988) won the gold medal after defeating the mechanical engineering team during the Sports week **28th February** to **1st March 2014**.

Con? Q Quiz :

Ultra Tech Cement Limited conducted a regional level quiz on Civil Engineering and Architecture in Chandigarh, Haryana, H.P, Punjab and J&K. A Gurgaon centre quiz was held on **18th February 2014** at ITM University, Gurgaon and two students **Mukul Mudgal** and **Pardeep Malik** (VI semester) secured **Rank-1** in Gurgaon zone. Team DCE has made it into top ten colleges among 85 Colleges participate in all selection round. Six teams who will contest for final round in Chandigarh will be announced on the same day of the Grand Finale quiz on **19th March 2014** (Chandigarh). The faculty coordinator for the same from **DCE, Gurgaon** was **Ms. Sakshi Gupta**, Assistant Prof, Civil Engineering Department.

Student's Viewpoint :

Civil Department of our college is an inspiring department as it always helps us to get motivated in any situation I have faced since my first day in this college. The department helps me to nurture my skills and introduces me to the various aspiring projects and events in which I can perform and achieve success with flying colors. All the professors have always encouraged me in every aspect of my college life. Our HOD **Dr. Anand Verdhen** has always been motivating. The faculty members have always been the backbone for my every achievement. I am really thankful to all my faculty members, my parents, my friends and God for providing me with every kind of support which I need in the long run.



**Mukul Mudgal, VI Sem Civil
(Roll No. 14566)**

"Engineering is not only study of 45 subjects but it is moral studies of intellectual life."

I am proud to be a student of civil engineering department. With the support and guidance of faculty members of our department, I have been able to publish seven technical papers in the field of the civil engineering. I would specially thank to **Prof. Anand Verdhen (H.O.D)** and **Ms. Sakshi Gupta (Assistant Professor)** for understanding the value of our ideas and supporting us for the same.



**Deepak Pahuja, VI Sem Civil
(Roll No. 14549)**

"Architects and civil engineers are among the most fortunate of men since they build their own monuments with public consent, public approval and often public money"

It is proud privilege & delight to be a part of such an institution as well as the department. I am really very happy to be associated with the Department of Civil Engineering. Our department is dedicated to overall development of students. Students are motivated to enhance technical skills. Fully equipped labs and high level of sincerity have made me technically strong. I am highly obliged by getting nurtured under the guidance of such helpful faculty members.



**Kabi Prasad Parida, IV Sem Civil
(Roll No. 15601)**