



Dronacharya College of Engineering

ISSUE

Vol x issue CI

Mechanical Engineering

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From Editor's Desk :

"Let knowledge flow to us from all sides."

Today's professional world is an arena where we need to hone our skills i.e. technical and soft skills. We at **Dronacharya**, provide an opportunity to our upcoming technocrats to analyze and improve their performance with the help of advanced competence in such skills. The cornerstone of all our events, workshops, seminars, PDP's etc. It initiates a 'paradigm shift' from "working hard" to "working smart". It also enables the students to strike a balance between meeting the demands of their personal life and professional commitments.



Our College, with a fore-sight in science and technology, provides the students ample opportunities to exhibit their creative ideas and scientific temper. As hard work is the key to success, we inspire our students with a sense of good-will to dedicate their entire time of stay at the institution towards enriching their knowledge and getting transformed into disciplined, knowledgeable and pragmatic professionals to serve the society at large. We make **Dronacharyans** to showcase their talents and contribute their bit towards making the dream come true.

The present issue of e-newsletter reflects the activities we organise our students and faculty members participate in for creating better ambience of learning in the field of engineering and technology.

Editor, (Dr. Parul Mishra)

From HOD's Desk :

Dronacharya College of Engineering, Gurgaon is a front runner in developing teaching and learning methods that reflect best practice in imparting technical education to young minds. Our talented faculty members place teaching as their highest priority and teach students to move from the realm of ideas to real-world applications. We, at **Dronacharya College of Engineering, Gurgaon** encourage the students for exposure of innovation and creativity not only to adapt new situations but also lead the corporate world. We don't leave any stone unturned in empowering today's learners to become the leaders of tomorrow & making our students embark their journey of discovery, developing their own abilities, skills and self-belief needed to succeed as globally renowned professionals.



Mechanical Engineering Department of **Dronacharya College of Engineering, Gurgaon** has been consistently working towards the goal to produce highly skilled and scientifically oriented manpower through flexible, adaptive and progressive training programs along with interaction with the industries.

This department plays an important role in training students for B.Tech and M.Tech in Mechanical Engineering. Both staff and students are working feverishly to complete all that is needed by the end of the semester including theory classes, lab work, Industrial visits, Industrial training, placement of students and other activities. In short, the department is well nurtured to cater the needs of technical education.

I wish all the students happy learning.

Head of Department, Prof. Vijay Wakhlur

Workshops :

INUP Hands-On Training Workshop on "Fabrication & Characterization of Crystalline Silicon Solar Cells":

Mr. Sumit Kumar, Assistant Professor, ECE Department, attended the **INUP Hands-on Training Workshop on "Fabrication & Characterization of Crystalline Silicon Solar Cells"** from **17th to 22nd November 2014** held at **IIT Bombay**.



Mr. Sumit Kumar attended the workshop at IIT Bombay

Two-Week ISTE Workshop on Control Systems :

A two-week ISTE workshop on "**Control Systems**" from **2nd to 12th December 2014** in association with **IIT Bombay** and **IIT Kharagpur** had been conducted at **DCE, Gurgaon** to enhance the teaching skills of faculty. This is a part of the '**National Mission on Education through ICT**', supported by MHRD, Govt. of India, New Delhi. The course was made available to the entire country through 237 remote nodal centres in which more than 9000 faculty participated. In our nodal centre, 46 participants were present in the course.



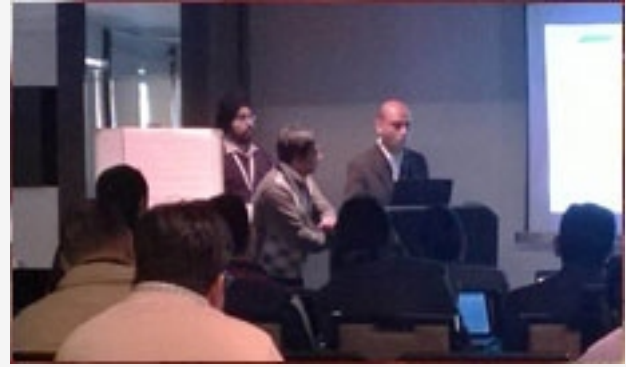
Participants of the ISTE Workshop on Control Systems

One Day Event on COMSOL 5.0 Launch :

Mrs. Amninder Kaur from ECE Department attended a one-day event on "**COMSOL 5.0 Launch**" organized by COMSOL India Ltd. at Hotel Hans, New Delhi on **19th December 2014**. The COMSOL Desktop is a powerful integrated environment designed for cross-disciplinary product development with a unified workflow, regardless of the application area. It provides an interactive environment to students & researchers for modeling and simulating scientific and engineering problems. The participants learnt a finite element analysis, solver and Simulation software / FEA Software package for various physics and engineering applications.



Mr. Samarth briefing the participants



Mr. Lakhvinder, Mr. Samarth and Mr. Prashant were taking queries during the session

One Day Distinguished Lecture Colloquia Dec, 2014:

Mr. Ajit Kumar from ECE Department and **Ms. Parul Bansal** from ECS Department of **Dronacharya College of Engineering, Gurgaon** attended a one-day "**Distinguished Lecture Colloquia Dec 2014**" held at **ST Microelectronics Pvt. Ltd., Greater Noida** on **19th December 2014** under the auspices of IEEE Solid State Circuit Society (SSCS) Delhi Chapter. This lecture was sponsored by ST Microelectronics, Freescale Semiconductor, Keysight Technologies, Synopsys and **IIT Delhi**.



Ms. Parul Bansal and Mr. Ajit Kumar during Distinguished Lecture Colloquia

GDayX-GDG Devfest Chandigarh :

Ms. Poonam Yadav (Assistant Professor Electronics & Computer Engineering Department), Dronacharya College of Engineering, Gurgaon attended an Event "GDayX" on **20th December, 2014** at **JW Marriott Hotel Chandigarh** organised by Google Business Group. GDayX is a series of large-scale events held by Google in Latin America, Middle East, Africa and India for Developers, Tech Enthusiasts and Entrepreneurs. It started as a part of the G-Africa Initiative that was expanded to Latin America countries in 2012.



Poonam Yadav (Asst. Prof. ECS) attending the Event with the other participants



Panelists' Discussion on Digital India and Role of Start Ups

Technical Training by Bosch Ltd.:

A technical training program was organized by **Mechanical Engineering Dept.** from **10th to 14th November 2014**. The training was provided by **Bosch Ltd.** Wherein 21 students participated. During the program students were given theoretical and practical knowledge on various topics including: Introduction to engines, Petrol and diesel engines, Fuel injection system and pumps, Transmission system, Car alignment and balancing, etc. The program was very informative and beneficial for students.



Inauguration of training program



Ms. Deepika Sharma (Bosch Ltd.) delivering the lecture

Placement :

The following students from Mechanical Engineering Department of the college have been placed:

S. No.	College Roll No.	Name/Contact Details	Branch	Company
1.	14335	Rishikesh Kumar Patel	ME	Silver Arrows

S. No.	College Roll No.	Name/Contact Details	Branch	Company
2.	14393	Rishabh Saxena	ME	Silver Arrows
3.	14385	Tanmoy Chakraborty	ME	Silver Arrows
4.	14321	Jatin Gulati	ME	Roop Arinna Fabricators Pvt. Ltd.
5.	14283	Amit Sharma	ME	Mindarika Pvt. Ltd.
6.	14287	Ankit Yadav	ME	YPS Infracon
7.	14279	Aman Kataria	ME	YPS Infracon
8.	14289	Anurag Saini	ME	Suku Plastics Pvt. Ltd.
9.	14333	Manish Rawat	ME	Suku Plastics Pvt. Ltd.
10.	14276	Akshay Phogaat	ME	SPS Buildcon
11.	14301	Deepak Batra	ME	SGS Technomech Pvt. Ltd.
12.	14326	Kamal Yadav	ME	NSS Industries
13.	14310	Dinesh Yadav	ME	NSS Industries
14.	14309	Dheeraj Yadav	ME	NSS Industries
15.	14303	Deepak Kumar	ME	Lakshit Construction Pvt. Ltd.
16.	14270	Abhilash Rawat	ME	Sharma Presses Pvt. Ltd.
17.	14274	Akshay Bedi	ME	Rockman Industries Ltd.
18.	14276	Akshay Phogaat	ME	SPS Buildcon
19.	14277	Akshay Sharma	ME	Sharma Presses Pvt. Ltd.
20.	14279	Aman Kataria	ME	YPS Infracon
21.	14299	Ayush Gupta	ME	Rockman Industries Ltd.
22.	14323	Jitender	ME	Best Koki
23.	14330	Kunal Sharma	ME	Sharma Presses Pvt. Ltd.
24.	14358	Rohit Kumar Yadav	ME	Best Koki
25.	14370	Saveen Kaul	ME	Best Koki
26.	14379	Sparsh Kaushik	ME	Fenesta/Clearpath Technology Pvt. Ltd.

Achievement of Alumni :

Student's Award :



Surya Mani Sharma got selected for the APA (Australian Post Grad Award), awarded for researcher by Australian government through university.

It is an award/scholarship worth of \$25,800 a year given to researcher as stipend. This scholarship is awarded to Surya Mani Sharma to pursue research for two years covering the total sum of \$51,000. He had been doing research in MARS (Multifunctional Autonomous Robotic System) project, which he had started as B. Tech Project. He is pursuing Postgraduate program in Master of Engineering from CQ University Australia. The Criteria for the selection for research award was based on knowledge of own discipline, ability to express idea, command of research discipline, initiative and motivation, ability to plan, perseverance in pursuing aim and predicted performance in the proposed course.

Surya Mani Sharma
2012 Batch

Student's Viewpoint :

Our college has grown from strength to strength in Technical education, with an energetic population of students that creates a unique community atmosphere persuading serious study and personal development. DCE imparts best quality education, training and research in various fields of technology.



Rishabh Saxena
(14393)

Our institute has well established laboratories, for each department with modern technology machines. There is a modern workshop for mechanical engineering students where they convert their theoretical knowledge into practical implementation.



Tanmoy Chakraborty
(14393)

The computer labs are well updated with latest technology and software. The whole campus is fully Wi-Fi. In our college besides study, there are several extracurricular activities going on throughout the year like ITEP, Webinar etc.



Rishikesh Kumar Patel
(14355)