



Dronacharya College of Engineering

ISSUE

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Electronics & Computer Engineering

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From Editor's Desk :

Today, we at **DCE, Gurgaon** have deeply immersed ourselves in imparting standard and quality technical education with sincerity of purpose that helps transforming every student who enters our portals into a sparking diamond.

Dronacharya College of Engineering represents a collective being, and in it and by it the individual lives, and he owes to it all that he can give it. This is a place where you can attain perfection by devotion to and performance of duty. We always foster our students with a sense of accountability, integrity, sincerity and dignity. Our aesthetically built modern campus equipped with the state of the art laboratories has been specifically designed to create a stimulating learning environment. Naturally lighted & airy large corridors, a spacious and gorgeous Auditorium facilitate interaction and make learning a pleasure to Dronacharyans.



The present issue of e-newsletter will provide a glimpse on significant activities like Seminar/Conference/ Project Exhibition etc where our students and the faculty members participated enthusiastically.

Editor, (Dr. Sunil Mishra)



From HOD's Desk :

"Once you stop learning, you start dying"- Albert Einstein

Technology runs the planet, with engineering playing an essential role in all types of technologies. It is truly a digital world, and those who understand this world can become valuable additions to technology-focused employers. From the laptops and smart phones that we use to the planes that we fly, everything in modern life requires constant development and upgradation. Each member of **Dronacharya College of Engineering** aims at improving the quality of technical education in the country to meet the needs of the



Education is not preparation for life; education is life itself. - John Dewey

Education is the most powerful weapon which you can use to change the world. - Nelson Mandela

Everybody is a genius. But if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid. - Albert Einstein

Good behaviour does not have any monetary value, but it has a power to purchase hearts of the people.!! - Anonymous

Head of Department, Prof. (Dr.) Neelam Ruhil

Events :

Principals/Director Meet for STTP 2015-16:

Prof. Vishal Bharti, HOD, Computer Science & Engineering Department, represented **Dronacharya College of Engineering, Gurgaon** in the meeting at **NITTTR Chandigarh** on **22nd December 2014**. The meeting was coordinated by **Dr. B.S. Pabla**, Professor & Head, ME Department, with an objective to discuss the most enriching and valuable courses for the session 2015-16, which could be conducted in various colleges for faculty development. During the meeting, it was decided to conduct various short term programs for Lab faculty members, in order to keep them updated with the recent inventions and innovative ideas that keep coming up.



Prof. Vishal Bharti, HOD, CSE during the meeting at NITTTR Chandigarh



Dr. B.S. Pabla, Professor & Head, Mechanical Engineering Department, discussing about Short Term Training programs during Meet

Invited Talk At Indian Science Congress Association:

Dr. K.K. Saini, Professor, ECE Department of Dronacharya College of Engineering, Gurgaon delivered an invited talk in the **Indian Science Congress Association (ISCA)** at University of Mumbai, Maharashtra from **3rd to 7th January 2015** on the occasion of the 102nd session of ISCA.

The program was inaugurated by Hon'ble **Prime Minister Shri Narendra Modi** in the august presence of **Dr. Harshvardhan** (Union Minister of Science & Technology and Earth Sciences, Govt. of India), **Ms. Smriti Irani** (Union Human Resource Minister, Govt. of India), **Shri Devendra Fadnis** (Chief Minister of Maharashtra), **Shri Vidyasagar Rao** (Governor of Maharashtra) and other dignitaries.



Prof. (Dr.) K.K. Saini delivering the invited talk

IREE and IEEE 2nd R. K. Vir Memorial Lecture(4th January 2015) :

Ms. Parul Bansal (Assistant Professor Electronics & Computer Engineering Department) along with three students (**Shweta Saini -16733, Monica -16768 and Deepanshu Bansal -16766**) from **Electronics and Computer Engineering Department** and six students (**Rahul Sathyaprakash Rana -16124, Ambar Kumar -16016, Brijesh Aggarwal -16044, Prashant Choudhary -16116, Birender Singh Rawat -16943 and Dishant Passi -16056**) of **Computer Science Engineering Department of Dronacharya College of Engineering, Gurgaon** attended the "**2nd R. K. Vir Memorial Lecture (Theme: Solar Energy opportunities in Rail sector)**" at **Engineers Bhawan, New Delhi** on **4th January 2015**. The event was organized by Institution of Railway Electrical Engineers (IREE), The Institution of Engineering and Technology (IET) Delhi Local Network and Institution of Electrical & Electronics Engineers (IEEE).



Technical Session by Dr. A. K. Tripathi, Scientist, MNRE



Ms. Parul Bansal (Asst. Prof. ECS Dept.) with students at the seminar



Students of CSE Department of DCE, Gurgaon at the venue

Two-week ISTE Short Term Training Programme (STTP) on Pedagogy :

Dronacharya College of Engineering, Gurgaon is one of the top ranked remote centers of the **NMEICT, MHRD project** conducted by **IIT Bombay and IIT Kharagpur**. Under this project, Short Term Training Programme (STTP) on "**Pedagogy for Effective use of ICT in Engineering Education**" was conducted by **IIT Bombay** during **5th - 7th & 19th - 21st January 2015** at that **Dronacharya College of Engineering, Gurgaon**. It was conducted under the National Mission on Education through ICT, MHRD, Govt. of India. 39 faculty members from all departments of **Dronacharya College of Engineering, Gurgaon**, attended the workshop. The program was very interactive and has practical implementation in daily classroom teaching.



Participants in the workshop



Participants during the session

Workshop on Cognitive Radio using USRP:

Three faculty members, **Mr. Ashish Gambhir (Assistant Professor, ECE)**, **Mr. Chander Shekhar Singh (Associate Professor, EEE)** and **Ms. Chandra Mukherjee (Assistant Professor, ECS)**, attended a one-week workshop on **Cognitive Radio using USRP** from **6th- 10th January 2015** at **Indian School of Mines, Dhanbad, Jharkhand**.

The workshop was organized by **Prof. Debjani Mitra** from Department of Electronics Engineering in association with National Instruments, Bangalore. The sessions were delivered by eminent professors of ISM Dhanbad and industrial experts from NI Instruments, Bangalore.



Group photograph of organisers and participants at the workshop

A Two Day Workshop On Language Skills In English :

The Department of **Applied Sciences and Humanities** of **Dronacharya College of Engineering, Gurgaon** organized a Two-day Workshop (under the Faculty Development Program) on "**Language Skills in English**" from **8th - 9th January 2015**. The objective of this workshop was to provide resources for enhancing the academic attributes of faculty members particularly in English Language. Under the guidance of the **Convener Prof.(Dr.) Sri Krishan Yadav**, the resource persons **Dr. Nandita Choudhury, Dr. Suchitra Deswal, Dr. Pradeep Chaswal, Dr. Parul Mishra and Dr. Sunil Mishra** prepared their lectures making the participants well-versed on *Grammar, Reading, Speaking, Listening and Writing skills* respectively. This workshop was very useful as it provided a forum to the academicians to deliberate upon the various aspects of language skills in English leading to qualification in **International Test of English Proficiency (iTEP)** recognized by the USA. Around 100 participants attended the technical sessions of the workshop enthusiastically.



Hon'ble Principal Prof. (Dr.) B.M.K. Prasad
addressing the participants



Hon'ble Chief-Guest Prof. (Dr.) K. N. Masaldan,
Principal (Retd) PGDAV College, University of Delhi
delivering his lecture.



The dignitaries and delegates attending the workshop



Symposium On "Growth and Prospects of MSME Sector In Emerging Scenario :

The Ministry of Micro, Small and Medium Enterprises (MSME), Govt. of India along with **Confederation of Indian Industry (CII)** organized 1st **National Level symposium** on "Growth and Prospects of MSME Sector in Emerging Scenario" on 8th 9th January 2015 at **India Habitat Centre, Lodi Road, New Delhi**.

Four students **Anshul Patro (14605), Amit Saini (16763), Akansha Marwah (16762), Deepanshu Bansal (16766)** from Electronics and Computer Engineering Department and five students: **Sandeep Giri (15095), Sagar Choudhary (15087), Surbhi Bhardwaj (15103), Sanjana Singh (15096) and Komal (15072)** from Computer Science Engineering Department from **Dronacharya College of Engineering, Gurgaon** attended the symposium. The symposium started with the lighting of lamp by Shri Kalraj Mishra, Hon'ble Minister of Micro, Small & Medium Enterprise Government of India. The Plenary Session was conducted on the theme "**Make in India: Emerging Sectors of Opportunities**", in which the eminent speakers discussed about various opportunities in emerging sectors including Engineering Exports, IT Sector, Handicraft, Auto parts & tourism.



Sh. Kalraj Mishra, Hon'ble Minister, MSME
inaugurating the symposium



Students of ECS Dept. at the event



Students of CSE Department at Venue

Zonal Level Examination of Srinivasa Ramanujan Mathematical Competition :

Zonal Level Examination of **Srinivasa Ramanujan Mathematical Competitions-2014** (SRMC-2014) was conducted at **Dronacharya College of Engineering, Gurgaon** in association with **ISTE-Student Chapter** on **9th January 2014**. Chapter level winners from **Dronacharya College of Engineering, Gurgaon** and **Dronacharya Group of Institutions, Greater Noida** appeared for the same.



**Srinivasa Ramanujan Mathematical Competitions-2014
at Dronacharya College of Engineering, Gurgaon**



**Dr. Neelam Ruhil (ISTE Student Chapter
Chairman, Dronacharya College of Engineering,
Gurgaon)**

Extension Lecture On "Art of Research Paper Writing and Publication" :

On **10th January 2015**, the **Departments of Applied Sciences & Humanities** and **Civil Engineering** of **Dronacharya College of Engineering, Gurgaon** jointly organized a one-day extension Lecture on **"Art of Research Paper Writing and Publication"**.

The lecture was delivered by **Dr. Sanjay SenGupta, Principal Scientist Journal of Scientific & Industrial Research Periodical Division NISCAIR, New Delhi**. During the lecture, he highlighted the basic structure; lay out of a research paper preferably for NISCAIR Journals. He stated that analysis of consistency in the entire manuscript, proper coherence, citation, ethical attributes, etc., for being a good research paper writer. Around 100 faculty members attended the seminar. The lecture was informative as the attendees learnt more about impact factor, SCI-indexing, and format of scientific research paper.



**Hon'ble Principal presenting a memento to the guest
speaker**



**The Guest-speaker sharing his views on "Art of
Writing Research paper and publication"**

Google Ride Workshop by GDG Dronacharya college of Engineering :

GDG Dronacharya College of Engineering organized a one day workshop "**Google Ride**" at **Sh. S. N. Sidheshwar Sr. Sec. Public School, Sec 9A, Gurgaon** on **15th January 2015**.

The objective of the workshop was to spread awareness about the various Google products like Gmail, YouTube, Drive, Books, and Android etc. The sessions included the introduction to Play Store, its market, various things you can do on Google Play, introduction to Gmail and the history of Gmail, Google+ and its various services like Google Events, Hangout on Air, Google Pages, etc., Google Drive, its various products like Docs, Slides, and Google Forms and various fun activities. A session on Android Coding was taken where students were taught how to develop applications in Android.



Vijay Arora (Student ECS Dept.) Taking the session on Play Store



GDG Team with Mrs. Sangita Sabarwal, Principal, Sh. S. N. Sidheshwar Sr. Sec. Public School

E- Yantra Lab Inaguration :

E-Yantra Lab was inaugurated at **Dronacharya College of Engineering, Gurgaon** by Hon'ble Principal **Prof. (Dr.) B.M.K. Prasad** on **16th January 2015** in collaboration with **IIT Bombay**. This is a project funded by **Ministry of Human Resource Development (MHRD)** under the National Mission for ICT in Education (NMEICT) program.

Five faculty members of the college namely, **Mr. Sumit Kumar (Assistant Professor, ECE)**, **Mr. Ashish Gambhir (Assistant Professor, ECE)**, **Mr. Chander Shekhar (Associate Professor, EEE)**, and **Mrs. Susmita Samanta (Assistant Professor, Applied Science & Humanities)** headed by **Prof. (Dr.) Vishal Bharti (HOD, CSE)** visited MGM College, Noida (NCR nodal centre of e-Yantra Project) for taking part in the ceremony of inauguration of e-Yantra labs and the finals of the e-Yantra Robotics Teacher Competition (eYRTC).

Students from all departments will be able to utilize the lab for fabricating the robotics related projects.



Inauguration of Robotics Lab at Dronacharya College of Engineering, Gurgaon



Dignitaries at the Inaguration of Robotic Lab



DCE Team at MGM College, Noida

17th International Conference of International Academy of Physical Science :

Dr. Vaishali Dixit, Associate Professor from **Applied Sciences and Humanities Department** of **Dronacharya College of Engineering, Gurgaon** presented the research paper titled **Antifungal and Antibacterial activities of 2,3,5- tricholoro pyridine on growth of Aspergillusflavus, Aspergillusnigar, Aspergillusfumigatus and Rizopus fungi** in 17th **International Conference of International Academy of Physical Sciences (CONIAPS-XVII)** On EMERGING TRENDS IN PHYSICAL SCIENCES & TECHNOLOGY during **16-18 January 2015** at **University of Rajasthan, Jaipur**.

The objective of the conference was to bring together researchers, developers, and practitioners from the academic fraternity. Several researchers from different fields of physical sciences and technologies actively participated in the event.



Dr. Vaishali Dixit with Prof. S.I.Chan , President, Academia Sinica, Taipei, Taiwan



Dr. Vaishali Dixit with Prof. S.P.Ojha, Former VC, CCS University, Meerut

Industrial Visit To CETPA Infotech Private Limited :

Mrs. Akanksha Kulshreshtha (Assistant Professor, ECS Dept.) and a group of 30 students from Electronics & Computer Engineering Department of **Dronacharya College of Engineering, Gurgaon** visited **CETPA Infotech Pvt. Ltd., Noida** on **20th January, 2015**.

The visit included technical sessions on upcoming technologies; lab sessions in which the students got an opportunity to do hands on session in embedded hardware lab. The embedded expert guided the students in fabricating a circuit and connecting all the circuit elements by soldering them on PCB. The expert from networking field explained the basic concepts of networking and demonstrated the working of routers and usage of modems. It was a great learning experience for the students.



Mrs. Akanksha Kulshreshtha (Asst. Prof. ECS Dept.), Students during the technical session at CETPA Infotech Pvt Ltd.

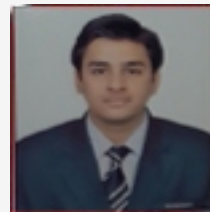
Placements :

Congratulations to following students for getting placed:

| Roll No. | Name | Branch | Company |
|----------|------------------|--------|--------------------|
| 14633 | Ankit Malik | ECS | IGATE |
| 14606 | Anuj Yadav | ECS | IGATE |
| 14603 | Aman Sharma | ECS | IBM |
| 14630 | Vijay Kr Arora | ECS | IBM |
| 14616 | Neha Kumari | ECS | Bailment |
| 14614 | Lakshit Gupta | ECS | Neelgagan |
| 14604 | Amit Kr Singh | ECS | Neha Automation |
| 14612 | Jitendra Kumar | ECS | Arden Telecom |
| 14608 | Atul Arora | ECS | Pioneer e solution |
| 14623 | Siddharth Uniyal | ECS | Pioneer e solution |

Students Views Points :

Under the guidance of HOD (ECS), **Prof (Dr.) Neelam Ruhil**, we are bestowed with wings to reach the zenith of creativity and knowledge, which nurtures us to evolve as a competitor in competitive era. We promise to set such examples which will bring along a revolution in education system in the field of engineering and technology. The efforts put in by the department as a whole, are worth appreciation. I will remain grateful to them forever.



Mr. Vijay Arora
(Roll. No. 14630)

Dronacharya College of Engineering, Gurgaon is famous for its discipline and quality education. It provides its students with modern education facilities while retaining traditional values. The College has always been marching ahead on the path of development with a vision to provide smart, simple, moral accountable responsive and transparent education to the individuals who can meet the increasing challenges of the professional society. The College has eminent educationists, professionals, dedicated and experienced Faculty. Our College is not only known for its excellent



Ms. Nitigya Grover
(Roll. No. 15724)

I am proud to be a part of this college particularly ECS Department.