



Dronacharya College of Engineering

ISSUE

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Electronics & Communication Department

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From Editor's Desk :

Education is the key to resurgence of India. At present, the technical education system has been subjected to fast, radical and revolutionary changes over recent years. **Dronacharya College of Engineering, Gurgaon** is a premier college that utilizes advanced technology, approaches, state - of - the - art facilities to impart quality education transforming students into responsible, self - reliant, career - oriented and confident citizens of the future.

The college campus is like a breath of fresh air set amidst landscaped gardens with a highly surcharged interactive atmosphere among students, faculty and staff members. At DCE, we maintain an environment for learner - centered rather than teacher - centered learning. A number of M O Us has been signed with reputed organizations to impart cutting edge technologies through extensive courses.

We are focusing not only on academic front, but on the multifaceted development of students by encouraging them for sports, cultural events, adventure club, yoga, meditation and other extracurricular activities to enhance the student's multiple skill acquisition in a culturally rich environment of a great Indian tradition. Apart from all - encompassing academics the college provides Industry Interface, Performance enhancing programs, Placement training and Career support programs, orientation and induction programs, scholarship and rewards for **Dronacharyans**.

A nation's real and sustainable growth is possible with technological advancement and development of its resource. The role of engineers in the areas like construction, mechanical, electrical or software is more important. Modern technology has made the world a level playing field. With globalization, engineers should be able to perform in a larger environment and are expected to face challenges and find solutions in any situation. We are proud of our alumni who are competent and doing great at the national and international levels.



Editor, (Dr. Sunil K. Mishra)

From HOD's Desk :

Electronics & Communication Engineering is a constantly advancing and widening branch of the engineering profession. Candidates having a creative and inventive mind will find Electronics & Communication Engineering a challenging and lucrative career.



In recent years, electronics the world over has made unprecedented growth in terms of new technologies, new ideas and principles. The rate of obsolescence of technologies also has been extremely high. Researchers, academicians, industries and the society at large have to work in unison to meet the challenges of the rapidly changing technologies. The research organizations and industries that work in this frontier area are in need of highly skilled and scientifically oriented manpower. This manpower can be available only with flexible, adaptive and progressive training programs and a cohesive interaction among the research organizations, academicians and industries.

An Electronics engineer must find new solutions to the practical problems affecting our daily lives. He needs to work in team with other experts to design, fabricate, produce, test and supervise the manufacture of complex products and systems using electronic equipments and components for a number of industries including hospitals, computer industry, electronic data processing systems for communication and in defense etc.

Among the activities of the department of Electronic and Communication Engineering, the major ones are teaching and research. The teaching program contains a proper blend of basic concepts and advances in technology. The faculty has succeeded in keeping a lively atmosphere among the students, with timely up gradations in the curriculum and innovative teaching techniques. The research thrust of the department is on achieving scientific and technological excellence, through front line research problems with broader socio - scientific relevance. The department is encouraging students to contribute to the new idea generation and take up the research work under the guidance of able faculty.

I, on behalf of Dronacharya fraternity, consider it my privilege to wish a grand success to all aspirants who join us because of our quality, discipline and commitment to excellence in technical education that really makes a difference!

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

Celebrating the Completion of 15 Years of the Trust :

A grand function was organized for celebrating the completion of **15 years** of "**Smt Anguri Devi Charitable Trust**" on **19 November 2011**.

All the staff members who have been associated with the group for the last 10 years or more were honored with the award of a memento. The event will enhance the family like feeling prevalent in the Dronacharya fraternity and further motivate one and all working in Dronacharya institutions to keep on putting their best with full dedication and devotion.



Seminars/Workshops/Conferences/Guest Lecture :

Workshop by Career Launchers :

A two - day workshop by **Career Launchers** was held on **3 - 4 November 2011** for final year students. The workshop covered the personality development aspects, Group discussion and personal interviews so as to improve the placement chances of our students.

Power to be your best :

Keeping better placement and overall development of students in mind, this workshop was held on **17 - 18 October 2011** for second year students. **Mr. Gaurav Sareen** from "**Training Studio**" conducted the workshop. The workshop was regarding motivation, setting up of goals and how to plan and achieve these goals.

IPV6 seminar :

Mr. V. K. Arya from **DOT** delivered a very interesting and absorbing talk on **17 October 2011** on the subject highlighting the development of various IP versions and pointed out the advantages of **IPV6** over earlier versions. This lecture was organized in association with **IETE, New Delhi**. We are an organizational member of **IETE** with its forum for students as well.

Seminar attended by faculty :

S. No.	Name	Topic	Venue	Date
1.	Prof. (Dr.) H. S. Dua	SAP for Higher Education & Research	TAJ Ambassador New Delhi	4th Nov 2011
2.	Prof. A. N. Mahajan	Green Cellular Network	IIT Delhi	4th Nov 2011
3.	Mrs. Rakhi Khandekar	Green Cellular Network	IIT Delhi	4th Nov 2011

Guest Lecture :

A guest lecture by **TIME** was organized on **17 Oct 11** to prepare our students for Aptitude Test & placement interview. The guest speaker was **Mr. Gurmukh Singh** from **TIME**.

Free Health Check - up by MEDANTA :

A team of doctors from **MEDANTA Hospital (MEDICITY)** along with their lab staff visited the college on **5 November 2011**. Health check - up for students as well as staff members was conducted by the team of doctors. ECG as well as various other tests were conducted and specialist advice rendered on the spot. The free medical check - up and advice has been very useful to the concerned students and staff and has been applauded by one and all.

Training & Industrial Visits :

Learning without execution has no meaning. Practical Training is one of the vital components of the curriculum meant for the students. As a part of the curriculum, arrangements are made for the students to undergo practical training during summer break in Multinational/Private/Public Sector Undertakings/Government Departments. Students do visit a number of industries to get the exposure of working of various equipments in practical industry scenario. Recently, the final year students visited **Air Force Station Tuglaquabad, New Delhi**. The visit was very educative and informative.

Placement :

No wonder, **DCE** is visited by a large number of highly reputed, renowned industries and corporate for campus placements. This continues to inspire our student community to set high goals for their professional life growth. Few students passing **year 2012** that have been placed in **IGATE Patni** are **Ashib kumar, Ekta Narula, Harit Yadav, Neha Mittal, Nikhilesh Mohanty, Parvesh Kumar** and placed in **Huwei** are **Aditya Vashisth & Pansy Singh**.

On - line test by SYNTEL:

An on - line test for placement in **SYNTEL** was conducted by the company in the college on **20 November 2011**.

Higher Studies :

Some students also opt for higher education, pursuing Masters in various institutes in India and abroad. Some of the few students who have been admitted for MBA in reputed institutions recently are **Amit Kataria (University of Northampton, U.K), Manjit Kataria (University of Kent, U.K) & Kunal Bhardwaj (Swansea University, U.K)**.

Projects Undertaken :

The following projects are the best projects fabricated by E&CE students of the department in the year of **2010 - 11**.

Car Control System:

S. No.	Roll No.	Name of Students	Project Topic	Abstract
1.	10145	Anamika Sengupta	Car Control System	In this project a speech recognition system enables the user to control certain functions by using voice commands. Integrated chips are used for speech recognition supported by RAM and CPU. This will increase the efficiency and effectiveness of working with that device. It is the development of car control system using voice recognition, and automatic braking, due to proximity of obstacle.
2.	10146	Ankit Mehrotra		
3.	10147	Ankita Makkar		
4.	10148	Ankurita Solanki		

Mobile Controlled Robot:

S. No.	Roll No.	Name of Students	Project Topic	Abstract
1.	10185	Manick Walia	Mobile Controlled Robot	The aim is to control the robot from anywhere using GSM and DTMF technology. A mobile phone permanently attached with the project equipment receives the message and activates the control circuit logic for forward, reverse, left and right movements of the Robot.
2.	10186	Manish Kr.		
3.	10187	Manish Singh Negi		
4.	10188	Manoj Kr. Verma		

Student's Viewpoint :

"Dronacharya College of Engineering", the name itself brings a bright picture of dedication, determination and discipline in our minds. It is a spark that creates enthusiasm to start with determination and pursue the achievements of our goals with dedication. The management, the staff and students are always working towards the common goal to uphold the values and high standard of technical education.



Manu Vivek Kadian (Roll No. 11193)

"Total commitment is not just hard work, it is total involvement."

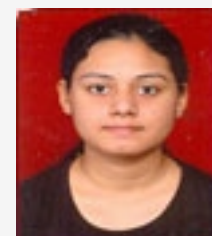
Dronacharya College of Engineering is very dedicated to give its students the best when it comes to academics. Its discipline has made it **"Gurukul"** where even weak students are made sharp by extra ordinary talented and ambitious faculty. Being a student of **ECE** dept. and due to unlimited support of HOD, I can guarantee that every student will come forward with flying colors.



Megha Sharma (Roll No. 12187)

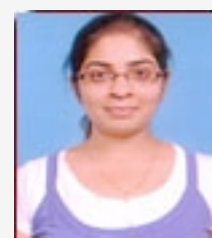
"Without inspiration the best powers of the mind remain dormant. There is a fuel in us which needs to be ignited with sparks."

I am really grateful to be associated with the **Electronics and Communication Department** of an esteemed institution **"DRONACHARYA COLLEGE OF ENGINEERING"**. The college has been a constant source of knowledge and inspiration for me which has not only enhanced my technical skills but also polished my personality. Their guidance always leads to a path of becoming skilled and an out of the league quality engineers.



Prabneet (Roll No. 12205)

I am glad to be associated with the **Electronics and Communication Engineering Department**. I would like to express deep sense of gratitude to **Prof. (Dr.) H. S. Dua (H.O.D)**. Under his guidance, it has been possible to take this department to heights it has reached. And I am really thankful to our faculty and staff members for not only providing technical know - how but also grooming us overall to face the competitive world so as become world class technocrats. Various seminars, workshops and events are organized in the department from time - to - time to encourage students for research and bringing out new innovative ideas.



Tamanna Rohtagi (Roll No. 12250)

In a nutshell, I am proud to be **DRONACHARYAN**.