



Dronacharya College of Engineering

ISSUE

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Electronics & Communication Engineering

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From Editor's Desk :

Opportunity dances with those who are ready on the dance floor.

Our mission, at **Dronacharya College of Engineering**, is to enhance will power, enthusiasm and zeal in **Dronacharyans** and equip them with intellectual abilities alongside social, moral and ethical values. We promote innovation and creativity in the field of engineering and technology. The most outstanding feature of the campus is its seamless association with nature, making an idyllic setting for academic pursuits.



The rich infrastructure, sprawling and fascinating campus, vast collection of books, magazines, periodicals, research journals etc in the library, University results, and placement attract and motivate students to pursue their studies at this excellent seat of modern education. Separate hostels provide congenial accommodation and environment to our Dronacharyans- boys and girls. A high-tech conference hall, guest house, faculty lounge and beautiful auditorium add to the quality of life on the campus which breathes brilliance and oozes academic ambience.

Enjoying acclaim in academics at national level by precipitating proliferation in education, training and research, we enrich the students with skills, insights, attitude and practical experiences. It's matter of pride that our college has become a talking point at every fora; has emerged as a model for others to follow; and its alumni have become sought-after in their respective streams.

Students! Success comes only through consistent and unwavering efforts. Seize the moment and make the best out of it. Believe in yourself and work with a resolute mind, I am sure success will be yours.

Editor, (Dr. Sunil K. Mishra)

From HOD's Desk :

DCE organized a number of important activities in the last quarter. These include a One -Week Yoga Camp, Students forum of IETE, Ethical Hacking, HR Summit etc.

The Department of ECE conducted various courses on Embedded System, Robotics, PCB Designing and Basic Electronics and also invited outside agencies like Infinity Systems, Robosapiens and Building Blocks for delivering lectures, seminars etc. Our Students showed a great interest in these add on courses.

The ECE Department is making all efforts for improving the academic performance as well as the overall personality development of the students.

The department organised an interactive session between our students and alumni with an aim to give an exposure on the prevailing industry environment and for some tips to the students which will help them to prepare better for placement interviews.

The institution is being steered under the dynamic leadership of a great philanthropist **Dr. Satish Yadav, Hon'ble Chairman, Dronacharya Group of Institutions** and **Prof. (Dr.) B. M. K. Prasad Principal, DCE.**



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

Major Events :

Industrial Visit

A bud needs to be fostered completely before it becomes a flower and spreads its aura all around. Taking note of this, our college organised an industrial visit for the final year students. The enthusiastic minds were accompanied by **Prof. (Mrs) A. N. Mahajan** and **Mr. Vinay Nassa to RELCOM Engg Pvt Ltd., New Delhi on 28th Oct 10**. The ascent all the way to BST Station there helped our students to understand the practical aspects related to mobile communication.

Yoga Camp

In the tough times of this contemporary world, relaxing our mind is a must and this relaxation gains utmost importance in the case of developing and innovational young minds. Keeping this in mind, the **college organised a six-day yoga camp** at the Boys hostel from **8 Nov-14 Nov 2010**. **Dr. Sunil Arya, President, Bharat Swabhiman Trust**, with a well skilled team took initiatives and made endeavours to make this camp a thumping success. College distributed T-Shirts, Fruits and Yoga- books among all participants.



Practice of Yoga in the serene environment campus



Respected Principal, Prof. (Dr.) B. M. K. Prasad addressing the yoga practitioners

Common Wealth Games (CWG)

Students of Dronacharya are not only taught academics but also trained to serve the society as well. When it came to the biggest carnival of CWG in Delhi, many of our students were selected as volunteers who did their job extremely well during the conduct of games.

NSS Camp

A **NSS camp was organized** in our college on **30th Oct 2010**. The ecosystem perseverance is of paramount importance. **Staff and students planted 108 trees during the NSS programme**. Certificate were distributed to the participants. Also another NSS camp was attended by one of our third semester students in Delhi and Dharamshala for 2 weeks.



Hon'ble Principal, DCE planting trees



Participants of NSS Team

IETE Student forum

The Department of ECE has setup a student forum of IETE. It was **inaugurated on 18th Nov 2010 by Shri R. K. Gupta, President of IETE**. This IETE DCE partnership will go a long way in the overall development of our students, as they will be able to participate in conferences/seminars jointly organised by IETE and Dept of ECE. Members of student forum can attend such activities organised by IETE at other places as well. Already 200 students have enrolled themselves as members of the student forum.

Addressing the audience, **Sh R. K. Gupta, President IETE** appreciated the efforts taken by **Department of ECE** in setting up of the students forum. He stated that the relationship between DCE and IETE will grow from strength to strength in a manner that student members of the college will be benefited. He also brought out that the student members can contribute their articles for publication in IETE students Journal. The function ended with vote of thanks by **Prof.(Dr.) H. S. Dua, Head of Department(ECE)**.



Inaugural ceremony of student forum IETE



President of IETE, Sh. R. K. Gupta addressing the students



Presentation of memento to Principal (DCE) by President, IETE



Presentation of memento to HOD(ECE) by President, IETE

Interaction with ECE Alumni

To motivate our students, an **interactive session with alumni was organized on 18 Nov 10 at the college auditorium**. Our Alumni showed a great interest in sharing their views. Some of the alumni **Ms. Neha Ahlawadi from The Hindu, Mr. Katik Mohan from Siemens, Ms. Divya Bhatia from IBM, Ms. Shruti Jolly from HCL, Mr. Sandeep Ghai from Hewitt** appreciated the existing students for their approaches to overall development. Addressing the students, they said that Dronacharyans were, are and will remain on top in their respective streams.

Overall the interaction of the alumni with ECE students was a great success.



Presentation of bouquet to Alumni (ECE)



Dignitaries listening to the experiences of Alumni



Queries of ECE students being solved by Alumni



Presentation of college memento to Alumni

Placement :

We are proud to share that some prominent companies (Mahindra Satyam, Accenture, IBM, HCL, Nokia Siemens, Hewitt Associates, Convergys, Omni Tech) visited our college and selected 26 students during the last quarter.

Live Project Undertaken by Students :

Smart Water Management System

This project is an assembly of microcontroller, sensors and discrete electronic components which manages water in a very efficient manner by using mobile phones. It is designed to do the task of controlling 3 phase water pump by switching it off or on, based on the feedback on the moisture content in the soil. Necessary supply of water to the soil is controlled remotely.

Team

- ✦ Parul Bansal (10208)
- ✦ Shalini Srivastava (10240)
- ✦ Shubhendu Pandey (10242)
- ✦ Subrat Sahoo (10246)

Project Guide

- ✦ Mrs. Swati Jha

Defence Surveillance Robot

This project is designed using RF remote control and sensors to sense the path and obstacles. Controller program was designed so as to enable the microcontroller to control the robot, using RF remote. The motor drivers are used to drive the motors. Obstacle sensors are used to change the movement of robot when robot faces obstacles on the path.

Team

- ✦ Sheetal Gupta (10241)
- ✦ Siddharth Maan (10243)
- ✦ Sneha Chinda (10245)
- ✦ Suchita Sangwan (10247)

Project Guide

- ✦ Mrs. Dimple Saproo

Smart Train Engines

In this project, a transmitter is attached with a signal pole which will start transmitting signals when red light is on. If green light is there, then there will be no transmission. The engine has a receiver which catches the transmitted signal and further processing is completed. Both transmitter and receiver are of RF type with minimum range of 2 Kms so that train can get enough time to take required decisions.

Team

- ✦ Abhishek Jadon (10139)
- ✦ Abhishek Sardana (10140)
- ✦ Achin Gulati (10141)
- ✦ Akanksha Verma (10142)

Project Guide

- ✦ Mrs. Priyanka Mathur

Student's Viewpoint :

Located in the midst of a green sprawling huge area, our college provides a holistic atmosphere for inculcating the professional ideals in young minds. There is a distinct presence of self discipline in our college campus, which is evident from the fact that ragging has been an absolute zero. Our technology-enabled campus has LCD projector in every classroom and an e-library, which houses many online journals. Our labs have the best of equipment and students are given further practical exposure in the form of industrial visits.



Monika Bansal (Roll No.10195)

Being the student of a college that inculcates culture and all-round personality development of students in addition to normal academic curriculum, is a matter of pride for me. Our Electronics and Communication Engineering department is blend of highly dedicated and knowledgeable faculty, who aim at producing highly professional and enlightened minds. Periodic conduct of workshops, seminars, Industrial visits and guest lectures from reputed personalities from industry have helped produce highly trained engineers.



Sanjeev Kumar (Roll No.10235)

I am thankful to all the faculty members and staff who always helped me with their full potential.

This college holds the reputation of producing very good technocrats year after year. The students passing out from this college are performing better in Industry. The integrity and bond amongst the college students and faculty members provides a suitable environment for learning. College provides opportunities to the students to perform various activities ranging from academics to cultural so as to develop the students into a dynamic person in each field.



Sitank Bhatia (Roll No. 10435)