



Newsletter September 2006

DRONACHARYA COLLEGE OF ENGINEERING

From Editor's Desk :

Come August and a tremendous turning point is perceptible in the academic scenario of the college where the center-stage is set for the placement of the passed out students and for the pre-finalists. The exit of the senior most students co-incides with the initiation of the freshers. At Dronacharya we say a big 'no' to ragging and there is a tradition to accord an unforgettable welcome with roses. The stage of the College throbs with dancing and goes rhythmic with music. This year the commencement of the new session was electrifying. Mr. & Ms. Dronacharya were selected during a colourful cultural programme which was ardently admired by the audience that comprised of celebrities including some NRIs and foreign dignitaries, apart from all the students and staff. DCE is daringly different in many matters and the Freshers' Welcome function, known as '**Initiation**', gives a taste of the Dronacharyan tradition.



This year admission list evidently indicates an amazing rise in the graph which is dazzlingly dotted with students from several States of India. The tantalizing talent of the new aspirants fills all concerned with dreams and hopes of a brighter future.

Editor
(Dr.R.C. Narula)

From HOD's Desk :

It is my proud privilege to present September web report on behalf of ECE Department. The Department has taken a number of initiatives to improve the System in various spheres like Faculty development programme, setting up of three new labs and preparing students successfully face the outsideworld. Our endeavor will be to take the Department to new heights so as to be able to groom proficient and confident Electronics and Comm. Engineers by the time they pass out from the College. During off teaching days in summer months initiative was taken towards Faculty development. Under the programme all faculty members were given task to express the strategy of covering of syllabus of allotted subjects and give a presentation on any one unit of the syllabus.



Non-teaching staff members were also given practice to demonstrate the experiments related to their labs so as to improve their professional skills. The Department is in the process of establishing of three new labs i.e. Data Communication lab, Digital Signal Processing (DSP) lab and Embedded System Design (ESD) lab in the current Semester. The step will not only fulfill the requirement of the syllabus but will also help the students to understand the subjects deeply as well as develop better computer skills. Special initiatives have been taken to prepare students to successfully face competitive tests and interviews. Special classes were held to improve the personality and aptitude of students in this regard.

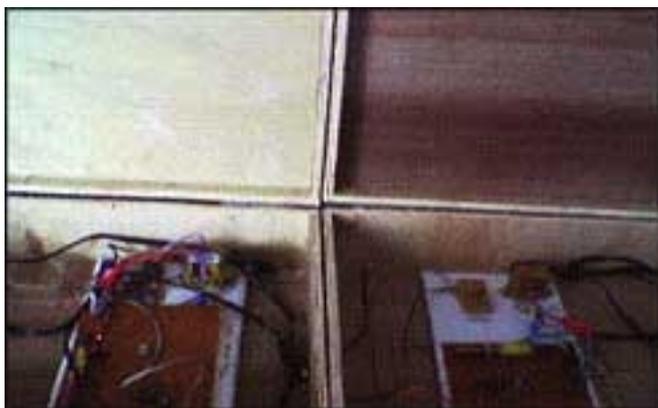
Head of the Department
(Prof.H.S.DUA)

Live Projects Undertaken by students :

Projects of our students have always been unique which display the deep understanding of the stream. Two of the projects worth mentioning are highlighted below :

Communication Via Power Lines :

This is a commendable effort made by our final year students Utilizing a special capacitor the low voltage, high frequency communication signal is filtered out. Each receiving system responds to a particular telephone number and remains connected to supply line during the call. The communication can be established using existing power supply infrastructure. Using the system will bring down the installation cost drastically. It is a real productive effort made by our final year students.



Team Members

1. Sarvajeet Kaur (5512)
2. Shiva Tyagi (5519)
3. Charu Bansal (5526)
4. Prerna Chaudhary (5521)

Microcontroller Based Heart-Beat Monitor :

The project displays heart beat pulse count on a LCD display. A clip having a sensor is put over the thumb. The Project is based on infrared sensor. The out put of sensor is processed by a micro controller. This project can be of great use in the field of Medical Sciences. The project was undertaken by our passed out final students .



Team Members

1. Narender (5130)
2. Nitin Rohilla (5142)
3. Prince Yadav (5146)
4. Rajiv Dewan (5147)

Data Acquisition System :

The project is microcontroller based. This can control four processes at a time. The system uses suitable sensors, amplifiers and Analog to Digital Converters. The system can, not only control the processes but also can transmit data serially using Local Area Network to remote location. The project is extremely useful in industry to automatically control various processes.

The project was undertaken by our final year students .

Team Members

1. Sandeep Ghai (5183)
2. Sachin Dager (5181)
3. Disha Chopra (5184)
4. Shweta Diwan (5166)

Design and Development of Wireless Robot :

The project is a mobile vehicle remotely controlled by a PC using wireless system. The heart of the robot is microcontroller. The Robot is equipped with a camera and a microphone. Hence it is not only capable of detecting the presence of an obstacle in its path, if any but is also capable of correcting its path accordingly. The path control mechanism and the task to be carried out is remotely controlled with the help of the computer and wireless system. The project can certainly prove to be an asset in getting information in hostile terrain.

The project was undertaken by our capable final year students.

Team Members

1. Sandesh Sandher (5160)
2. Sandip Yadav (5161)
3. Vikas Jain (5171)
4. Varun Sharma (5186).

Student's Viewpoint About The Department :

Comments By Final Year Students on College/Department

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

These words instantly make me relate to my College DCE, Gurgaon. The Management, Staff and students are always working towards a common goal to uphold the values and education standard of this esteemed institution with total commitment. Being an engineering college does not, in any way, restrict us only to technical areas. We are encouraged to grow, prosper and flourish as individuals.

The Electronics & Communication Department is one of the most dedicated ones in the college. Under the guidance of our respected HOD, the ECE Department has witnessed tremendous progress in the last few years. Our HOD encourages us to focus on becoming well groomed, able Engineers and not merely people with a technical degree. The faculty members are also extremely helpful and supportive. The Information Resource Center or Library in the College is the one place where we have access to every book that is part of our curriculum. There is also a huge reference section to assist us further in our pursuit of knowledge. There are also a host of different types of technical, non-technical journals, newspapers and magazines available to the students.

Comments on Electronics & Communication Department

Our Department has a balanced blend of senior and junior Faculty Members. It includes four Professors and Five Asstt. Professors. In the Department each class room is equipped with an over Head Projector, which is fully exploited by the faculty . We have one presentation room having LCD, OHP and other audio-visual aids. Presentation and Seminars are held here regularly.

Our labs are fully equipped and the staff does take pain to explain to us the experiments. We are given free hand to use computer room for internet connection. Our Department is progressing in various spheres like quality of teaching, better labs and placement.



Deepti Bawa
(Alumni DCE)
(Roll No. 4150)



Savita Yadav
(VII Semester)
(Roll No. 6187)

Placement Achievements :

The students enumerated below have been placed in reputed firms during the last month :

- Selected in Computer Science Corporation Ltd.
 1. Divya
 2. Anuradha
 3. Neha Jain

- Selected in Infosys Technologies
 1. Kamlesh Yadav
 2. Ritu Deshwal
 3. Megha Devgan
 4. Jitender Kumar
 5. Neha Alawadhi

- Selected in IBM
 1. Bhudev Sharma

- Selected in RT Outsourcing
 1. Shiva Tyagi
 2. Charu Bansal

Faculty :

