



DRONACHARYA COLLEGE OF ENGINEERING

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Season of spring has come being adorned
With the vivacity of beauty in galore.
The season calls for special festivities
To enjoy with splash of feasts & bliss...
& A lot of colors to paint & mix.
Holi encourages us reach out to all
To spread joy & love on this lively festival.



From Editor's Desk :

***"The chill has been replaced by a thrill,
The winter winds have been tranquilised;
The snow's rays has come to a stand still,
Cruel cold has finally lost its sting.
The birds are jubilant and on their wing,
Oh Dears come join together to welcome the spring.
Haule haule haule haule haule haule aayegee Holi,
Collect colours to decorate your campus with Rangolies."***



Students and faculty are at their harmonist to chalk out panoramic programmes related to sports events matchless matches, marathon races, scintillating shields fantalising trophies make the campus the come alive. The Tech-Fest makes the tick of clock magical and musical. The month of Feb. is very special at Dronacharya College Of Engineering, Farrukh Nagar since it brings with it a fascinating festive spirit . Sports persons and Techies join together to beat the heat generated by the Odd Semesters. The mood is oomphish all around, anxiety for exams is at the lowest ebb. It is the time when Academia and Industries revive their beautiful bond. Young Technocrats meet at a common platform to extend the horizon of their technical know-how . The stage is set for dazzle of dances and magic of music. Myriad meaningful and colourful activities create a confluence of academics and co-curriculars. The entire gamut of programme co incides with the Founders day of the College which falls on 27 Feb. A community lunch concludes the programme with a tremendous get together. The details will be furnished in a "**Souvenir**" to be published soon.



Editor, (Dr. R. C. Narula)

From HOD's Desk :

The month has been very eventful as far as our Department is concerned. New faculty members have joined and enriched the experience of the Department. Five of our faculty members presented their Lectures as part of Faculty Development Program organized centrally. These Lectures include both Technical and General topics. All of them earned appreciation from the faculties of other Departments, apart from those of their own. Two of our faculty members attended National Quality Conclave organized by Quality Council of India at Hotel De-Meridian New Delhi.



Finally our Department had an active, enthusiastic and massive participation in the Annual Sports Events and Drontech Fest 2009. Senior Cricket team won the final and numbers of prizes were won by our students. MAT-PRO, p-Spice and Technical Group Discussions were organized by our faculty members which earned unprecedented appreciation from all the participants. Thus the Department of Electronics & Communications was vibrant literally on all fronts in the month of February that marks the advent and celebration of the spring season, a season adorned by fascinating flowers, sweet dreams and fulfillment of hopes.

 Head of the Department, (Prof. Onkar Singh)

Faculty Development Program :

To ensure and entrust overall development of faculty, we arranged an in house faculty development program. Our college invited a team from IBM Academics to deliver a technical talk on "**Db2**". It was a three day session including theory and practical classes on Data Base Management System. Department plays a very vital and lively role in that **Prof. (Mrs.) A. N. Mahajan** enlightened us with "**Seven habits of highly effective people**". She emphasized on certain habits which we can incorporate in ourselves to develop as perfect human beings.




Mrs. Swati Jha made us familiar with "**fengshui**" concept. It was a very light and knowledgeable talk. We got an idea how placing and positioning some effective things can bring up good changes in our lives. **Mrs. Jyoti Dargan** inspired us on a very important and relevant topic "**Understanding and Increasing Student Motivation**". She brought out very general ideas and presented them in a skillful way that made everybody gain a lot. The entire program was deftly devised, exquisitely executed, enthralling, enriching and rewarding. It was earnestly felt that more such lively programs be organized to add zeal, zing and zoom to the academic existence of the Department.

Campus Placement And Projects :

Some of the reputed companies recently visited our College like: **Honeywell International, TATA Telecommunication etc.**

It is a matter of pleasure and pride for Dronacharya College of Engineering as our students from ECE Department made it possible to implement their final year project practically named "**TRAFFIC LIGHT CONTROLLER**". A study was carried out to map the movement of traffic at BSZ Marg and Vikas Marg to indicate the traffic chaos on the road.

The students who made us proud are:

-  Pooja Bajaj
-  Mayank Bhatia
-  Priyanka Saini

In this project the density of traffic on the road can be analyzed and by programming the micro controller the green light timings can be changed.

DronTech 2009 :

The technical fest DronTech 2009 was organized by the college for two days 26 and 27 February. The opening was presided over by **Dr. Ranjit Singh** who enlightened us with his words of wisdom.



Various technical events like paper presentation, Quiz, p-Spice were organized. Students put their efforts and made the event a success. The closing ceremony was graced by **Mrs. Kailash Yadav** Prizes were given away to the winners. It provided a very good technical platform to the future technocrats.

Blood Donation Camp :

A blood donation camp was organized in the College by "**Rotary Blood Bank**" on 10 February 09, in which students and staff members actively participated.



Sports Week :

Keeping in view the overall development of students, we had the pleasure to organize "**Sports Week**" from 21 February to 25 February 09.



Students participated and coordinated the event with great enthusiasm. Various sports Events were organized including Cricket, Volleyball, Basket ball and races for girls and boys.

ECE boys won the cricket match and lots of prizes were bagged by our students in races and other events. Final matches were initiated by our **Hon'ble Chairman Dr. Satish Yadav**. It was a very enthusiastic, memorable and vibrant week.

Step Taken To Prepare The Students :

Special initiatives have been taken by the teachers **Prof. (Mrs.) A. N. Mahajan and Mrs. Dimple Saproo**. To prepare the final year students to successfully face competitive tests, GD's and Interviews.

Technology Focus :



Ashmeet Singh
VIII Sem (ECE-I)

VULNERABILITIES OF CYBER CAFÉ

The present scenario is becoming INTERNET based or we can say that it is E-SCENARIO, where E stands for Electronic and everything is relying on this platform only. There are many loop holes or back present in this platform, and many people are taking the advantage once they get the information about how to use these loop holes known as "**HACKERS/CRACKERS**" and they illegally access other computer systems for destroying data on the computer systems.

The purpose of this research paper is to provide information and mechanism against the malicious attack made by the hackers to hack the cyber cafes using the various softwares Trojans, Worms, Keyloggers, and Remote Admin Tools.

In this analysis using ICMP and ping command, simply extracted the address TTL (Time to leave) of the website to be attacked; TTL tells the type of operating system residing at server end. Then we want for DOS/DDOS attacks; by sending a flood of requests for the same website, which may lead to slow down, blocking of the bandwidth or rebooting of the server. In the worst scenario when a website receives innumerable requests from countless terminals, it may also lead to crashing of the system '**Ping of death**' is another type of attack which could be used before windows 2000 got invented.

Student's Viewpoint About The Department :



DCE is a gurukul which combines the traditional ethics with modern education under a single roof. A technical HUB imparting world class technical education and thus preparing future "**TECHNOCRATS**".

Providing a platform where budding freshers from diverse backgrounds are prepared for successfully tackling and emerging with flying colors where they face technical industrial environment at the end of their curriculum.

Students are not only taught technicalities about their respective fields but also basic discipline activities are also imparted in the lap of nature opening new ways of building future engineers.

Shikha Gambhir
(Roll No. 8182)



In the midst of sprawling acres of land, strategically located is an institution completing ten glorious years of imparting technical education to bright and young minds . The logo in itself is a symbolic representation of what the institution has been trying to achieve and so far has succeeded in accomplishing its goals . The environment provided here is just right for the innovative future technocrats who have the hunger to embrace new technologies. The faculty focuses on each and every individual thus providing them the kind of mentoring they require to face everyday.

In a broad sense the recipe of success which is to be tasted later in life, here it ensured the perfect ingredients are mixed and that too in a right proportion. The institution has been providing education par excellence and with every New Year its growth seems to be unlimited, touching the new height of success. The saying "**Sky is the limit**" has a deep meaning.

Aparna
(Roll No. 8821)