



Dronacharya College of Engineering

ISSUE

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Information Technology

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From Editor's Desk :

"Wisdom is not a product of schooling but of the lifelong attempt to acquire it."

Albert Einstein.



Technical Education plays a pivotal role in the development of a country. We at **Dronacharya College of Engineering, Gurgaon** are committed to transform engineering aspirants into globally competitive, highly skilled and responsible technocrats. We don't leave any stone unturned to achieve better d class standards in academic excellence by imparting skill-based technical education for the empowerment of the youth by using innovative technology-driven learning approaches.

Keeping in view the global corporate challenges, we at **Dronacharya College of Engineering, Gurgaon** took upon the task of providing the students a nurturing environment, the right atmosphere to build their talent improving their analytical problem solving aptitude and communication skills .

Editor, (Dr. Sunil K. Mishra)



From HOD's Desk :

You have to kindle the flame within and grow from the inside out.

The primary objective of the Information Technology Department is to provide quality education to the students increasing the technical competence. To achieve the professional competency the college has signed a number of MOUs like IBM, Oracle IT academy, Microsoft Innovation Centre, CISCO Networking Academy, Huawei Centre of Excellence etc.

The Department is churning out worthy engineers and technocrats capable of delivering best technology standards to the society. We also organize different Guest lectures, Workshops, Seminars, Online Test Programs, Aptitude Test Preparation programs, Group discussions, and Special classes regularly for all round development of the students.

I would like to congratulate the rank holders of the department. I feel very proud to acquaint you with information that 16 rank holders of the university are from our department. We love to face challenges.

On behalf of the department, I would counsel our students to improve their performance, not only in academics but also in co-curricular activities.

All the best!



Head of Department, Prof. (Dr.) Jitender Kumar

Events :

Two Day workshop on Ethical Hacking:

CSI-Student Branch of **Dronacharya College of Engineering, Gurgaon** organized a two - day workshop on "Ethical Hacking" in association with **Mr. Sai Satish, CEO, Indian Servers** on **7th & 8th October 2013**. The Objective of the workshop was to discuss various concepts of Ethical Hacking and Cyber Security. The eminent speakers of the workshop were **Mr. Sai Satish**, CEO, Indian Server, **Mr. Brij Mohan**, Business Development Manager, Indian Server and **Mr. Himanshu Sharma**, Student Vth Semester, Department of Information Technology.

The hands on sessions of the workshop were based on the real life example of hacking and live demonstration on hacking the websites. The workshop was attended by more than 350 students from **DCE, Gurgaon**, Faculty Members from IT & CSE, ITM University, and **Dronacharya Group of Institutions, Greater Noida**.

The two day interactive workshop came to an end with the Valedictory gathering.



Himanshu Sharma at the workshop



Mr. Sai Satish giving his expert information

Workshop on OpenGL:

The Faculty members **Mrs. Neha Malik** and **Mrs. Minakshi Memoria** from **CSE Department** got the opportunity to attend one day workshop on OpenGL held at ITM University on **24th October 2013**. The speakers **Mr. Prakhar Jain** from VizExperts talked about OpenGL graphics programming libraries, OpenGL offers a robust set of utilities and commands suitable to a wide range of two and three dimensional graphical programming endeavors.

Workshop on Sixth Sense Botics, ROBO-ZEST'14:

The **Department of Electronics and Computer Engineering** of **Dronacharya College of Engineering, Gurgaon** organized two days workshop on "**Sixth Sense Botics, ROBO-ZEST'14**" from **29th- 30th October 2013** in collaboration with **Robo Species Technologies Pvt. Ltd, Aakaar 2014 (IIT Bombay) & International Accreditation Organization (IAO)** for the **ROBO-ZEST 2014**. The purpose of the workshop was to allow students, receive an unparalleled education on "**Robots**", "**Sixth Sense Technology**" and "**MATLAB**". **The aim of the workshop was to train** every student on the basic concepts of robotics and its interfacing with MATLAB.

An outstanding trainer, **Mr. Raghunath, Scientist, RoboSpecies**, talked about the history of Robots, various branches of Robotics for example **bionics** and its concepts and applications. During the workshop, students from various branches **ECS, ME, ECE & CSE** participated and groups were made of 4-5 students. Students were told about the **ROBODUINO**; the software used to program and feed the information into ROBOTS for their functionality.



Participants learning the art of assembling a Robot



Guest Speaker, Mr. Raghunath troubleshooting student's problems.

National Network Security Championship (NNSC-2014):

With a mission to promote spirit of Leadership, creative thing, team-building, technical and communication skills on students, **Dronacharya College of Engineering, Gurgaon** has tied up with **Network Bull and Association for Computer Machinery (ACM) IIT-Delhi**. Recently **Information Technology Department of Dronacharya College of Engineering, Gurgaon** has jointly organized an initiative **NNSC-2014-India's 1st Network Security Championship** from **28th to 29th October 2013**.

Inaugurating the session, **Prof. (Dr.) Jitender Kumar, HOD-IT** encouraged the students for active Participation in Workshops, seminars for their overall growth. He also congratulated the students for their enthusiastic participation in the event under the coordinator-ship of faculty members **Mr. Vijender Singh Hooda, Mr. Ashish Kumar Luhach**. The speaker **Mr. Shrey Datta**, a Sr. Network Security Engineer at Network Bulls, Gurgaon illustrated the basics of networking and explained the scope of Networking field. He covered some significant topics like IP addressing, Sub netting, Remote access to Routers, Software's: Packet Tracer, Telnet, Putty, Wire shark etc. Students were asked to create and configure a network as per the given constraints by the trainer.



Prof. (Dr.) Jitender Kumar HOD (IT) inaugurating the session.



Mr. Shrey Datta, Sr. Network Security Engineer Network Bulls, Gurgaon interacting with students

Seminar on Android App & PHP:

On **30th October 2013**, department of Computer Science & Engineering conducted a one-day seminar on "SQL Server Reporting services" proceeded by **Mr. Aditya Kumar, Founder & CEO at ILMP Technologies pvt. Ltd.** He had a brief introduction of Database. During the workshop, he explained the topics like SQL Server, SSIS (SQL Server Integration services), SSRS (SQL Server Reporting Services), RDBMS etc. A well organized seminar on this topic helped students to understand clear their doubts in database.

Global University Industry Congress 2013:

Global University Industry Congress 2013 was held at Hotel Lalit, New Delhi on **07th - 08th November 2013**. **Dr. Jitender Kumar, HOD, Information Technology Department**, represented **Dronacharya College of Engineering, Gurgaon** at this International level symposium. The program was organized jointly by All India Council of Technical Education (**AICTE**) and Confederation of Indian Industry (**CII**).

The inauguration session was started with the welcome address of **Dr. Naushad Forbes**, Chairman CII National Committee on Higher Education & Director Forbes Marshall Private Ltd. A number of experts like **Ms. Sushma Berlia**, Co-Chairperson, CII National Committee on Higher Education and President, Apeejay Satya Group; **Prof. Y. S. Rajan**, Professor ISRO; **Dr. S.S. Mantha**, Chairman AICTE, New Delhi; **Mr. Aziz Tayyebi**, Head of International Development, ACCA shared his observations while analyzing the reports of various colleges. He said that ultimately industry is getting benefited with high quality academics as they will get industry ready professionals.

The last address of the inaugural session was given by the Chief Guest **Mr. Kapil Sibbal, Hon'ble Minister of Communication and Information Technology, Govt. of India**. Closing Remarks were given by **Mr. C R Swaminathan**, Co-Chair National Committee on Higher Education & Former Chairman CII Southern region.



Dr. Naushad Forbes giving inaugural address



Mr. Kapil Sibbal, giving his inaugural address

IBMTGMC Felicitation Ceremony:

The felicitation ceremony for outstanding participation and making excellent projects in The Great Mind Challenge (TGMC) 2012 was held at **IBM India Pvt. Ltd.** Embassy Golf Link Parks, Indiranagar Inner Ring Road, Bangalore on **08th November 2013**.

Dr. Jitender Kumar HOD, Information Technology Department got the privilege to receive the award on behalf of **Dronacharya College of Engineering, Gurgaon** at this mega event.

During this ceremony the distinguished speakers Ms. Malathi Srinivasan, Country Manager, IBM Academic Initiative; **Mr. Sudhir Sastry**, Technical Sales Leader, IBM Software, South Asia, **Ms. Vani Singh**, India Lab Leader, IBM Watson Solutions Development & Service, **Mr. A. Muruganantham**, an Entrepreneur and Motivational Speaker; **Mr. Karthik Padmanabhan**, Business Unit Executive, ISV and Developer Relations, South Asia and **Mr. Lohit**, IBM Master Inventor, India Software Labs etc enlightened the representatives who came across the Nation.



Prof. (Dr.) Jitender Kumar Receiving Top Performing College Award from IBM

TECHNOBLAST 2013:

Dronacharya Group of Institution, Greater Noida organized a National level Project Competition "**TECHNOBLAST 2013**" on **23rd November 2013**. This Competition was organized under Student Chapter of IEEE, CSI AND ISTE. The Event partners of the project competition were NTPC, PFC, REC and PTC India. More than 90 projects across the country were exhibited in this competition.

First prize of Rs. 51000 /- was awarded to project entitled "**Double Acting Hand Pump**" exhibited the students of **Dronacharya Group of Institution, Greater Noida**. **Second prize of Rs. 21000/-** was given to project entitled "**3E Trasformer**" demonstrated by the students of **Dronacharya College of Engineering, Gurgaon**. **Third Prize of Rs. 11000/-** was given to project entitled "**Intelligent Home Appliances**" by the students of **Dronacharya Group of Institution, Greater Noida**.

3rd National Conference on Skill Development 2013:

Prof. Vishal Bharti, HOD CSE Department, **Mrs. Megha Goel**, Associate Professor-IT Department and **Mr. Ravi Dutt**, Assistant Professor-Applied Sciences & Humanities Department represented Dronacharya College of Engineering Gurgaon at **3rd National Conference on India Inc: Reviving Economic Growth through Skill Development** which took place at hotel **The Lalit, New Delhi** on **28th November 2013**. The conference was about the reviving Economic Growth through Skill Development.



Faculty members during the Conference

2nd India Australia Skills Conference:

Prof. Vishal Bharti, HOD CSE Department, **Ms. Megha Goel** (Associate Professor-IT Department) and **Mr. Ravi Dutt** (Assistant Professor-Applied Sciences Department) represented **Dronacharya College of Engineering Gurgaon** at **2nd India Australia Skills Conference: Training and Industry Bridging the Skills Divide** on **Friday, 29th November, 2013** held at **The Lalit, New Delhi**.

The experts Mr. Rajeev Dubey, Co-Chairman, CII National Committee on Skill Development & President (Group HR, Corporate Services & After Market); Mr. Dilip Chenoy, CEO & Managing Director, NSDC and Mr. Basab Banerjee, Head, Standards and Quality Assurance, NSDC enlightened the audience.

Guest Lecture on Artificial Intelligence :

Department of Electronics & Computer Engineering of **Dronacharya College of Engineering, Gurgaon** organized a Guest Lecture on "**Artificial Intelligence**" on **10th September 2013**. **Mr. Manoj, Assistant Manager, Sofcon India Pvt. Ltd.**, Enlightened the students on how to imbibe intelligence artificially in Robots. He delivered an interactive session on Robotics and its applications. He demonstrated how robots decide their paths by throwing some lights on flood-fill algorithm. **Anshul Patro (Roll No. 14605)** delivered the Vote of Thanks.



Guest Speaker, Mr. Manoj, Asstt. Manager, Sofcon, sharing his knowledge on Artificial Intelligence



Guests from Sofcon India Pvt. Ltd. along with ECS students



Students Coordinator Anshul Patro of ECS department giving Vote of Thanks

.NET Session by IT Expert:

Two day **.NET session** was organized by **Department of Information Technology**, in association of **CSI Student Chapter Dronacharya College of Engineering, Gurgaon** on **15th & 17th October 2013**. The entire session was taken by **Mr. Rahul Rakesh, Senior Software Engineer in NCR Corporation, Gurgaon**. The session was attended by the students of final year as well as pre-final year students. Major topics covered during the sessions were .NET Framework, .NET Application, Connectivity with SQL Server along with live project demonstration.



Mr. Rahul delivering lecture to the Students

INK Live Talks :

GOOGLE STUDENT CLUB which is being run under the Guidance of **Prof. Vishal Bharti (H.O.D CSE Department)** and being conducted by Google student Ambassador (**Ms. Shalini Sharma-CSE Dept**) arranged free live telecast on ink live sessions on **25th October 2013**.



One Day Faculty Training Program :

On **11th November 2013** **Dronacharya College of Engineering Gurgaon**, an approved **Resource Centre for the Spoken Tutorial** organised a one day Faculty Training Program with the theme on **Free and Open Source Software (FOSS)**. The spoken tutorial centers are promoted by **IIT, Bombay** in association with **Ministry of Human Resource Development, Govt. of India, New Delhi**.

Mr. Arjun Chadha, Assistant Project Manager, Spoken Tutorial Project, from **IIT Bombay** conducted the program. The objective of this program was to talk about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP & MySQL, Java, C/C++, and LibreOffice etc. via an easy Video tool.

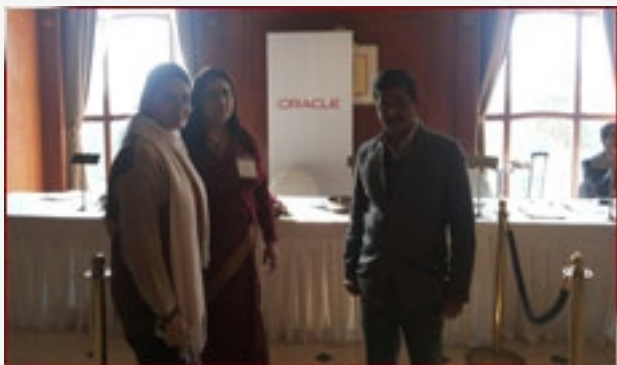
There were around 15 participants from various colleges of NCR like Savera Group of Institutions, ITM University etc. The participants also got the training on how to create an account, how to get registered and how to send a workshop and test request etc. The training program was widely appreciated by the participants.



Mr. Arjun Chadha, Assistant Project Manager, Hon'ble Principal Prof. (Dr.) M.N. Hussain and other from IIT Bombay addressing the participants faculty members during the FTP

One Database 12c Developer Day :

The faculty members **Mrs. Chitra Kaul, Mr. Amar Saraswat** and **Ms. Pratibha Sharma** from **CSE Department**; **Mr. Dharmendra Pal** and **Ms. Ritika Sethi** of **IT Department of Dronacharya College of Engineering, Gurgaon** took part in OTN Database 12c developer day conducted by **Oracle** on **21st November, 2013** at **Hotel Eros, Nehru Place, Delhi**. **Mr. Swaminathan Babu, Head, Readiness Initiative for Oracle**; **Mr. Ram Purohit, Director, iTech India**; **Mr. Agrim, Technical department, Oracle** **Mr. Amit** and **Mr. Gaurav** from **Partner Solution Centre** enlightened the attendees on the practical aspects of OTN Database.



Faculty at the OTN database event

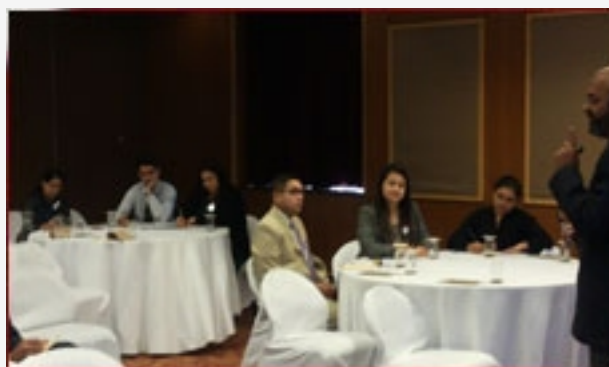


Mr. Swaminathan Babu giving overview of the new database

Alumni Leadership Masterclass :

The faculty members **Prof. A. N. Mahajan**, **Mrs. Chitra Kaul** and **Mr. Vijender Hooda** attended a seminar on **Alumni Leadership Masterclass** organized by **Saviance Technologies Pvt. Ltd. at India Habitat Centre**, New Delhi on **23rd November 2013**. The main focus of this workshop was to highlight various benefits of leveraging and engaging with alumni on a day to day basis in a structured and organized way.

Mr. Joseph John, **Ms. Aanchal Mehra** from Saviance Technologies; **Mr. Saurabh Gupta** and **Prof. M.L. Singla** of **Faculty of Management Studies** shared key concepts of the Masterclass Leadership programme.



Mr. Joseph delivering a talk on 'Basics of Alumni relations'

Awareness Programme on Intellectual Property Rights for Manufacturing Industry :

Four faculties from **Dronacharya College of Engineering, Gurgaon** **Prof. (Mrs.) A.N. Mahajan**, **Prof. Vijay Waklu**, **Mrs. Neelam Ruhil** and **Mr. Dharmendra Pal** attended the seminar on **Intellectual Property Rights for Manufacturing Industry** organized by **United Nation Industrial Development Organization** at **CII, Gurgaon** in collaboration with **ICAMT**.

The eminent speakers **Dr. Kalyan Kankanala**, **Mr. Nishant** spoke about fundamentals of intellectual property (IP). He said that any 'idea' will have value when it is converted into 'property'. They also described some exclusion for patentable requirements.



The faculty members during the programme

Marathon for The Cause "Women Security":

The Health Club team organised a short **Marathon** for "**Women Security**" on **27th November 2013** with an intention to raise voice against atrocities encountered by women in society. The program started with a welcome note by Prof Swati Jha, the convener of Marathon 2013 and Head of Health Club. Honourable Chief Guest "**Smt. Bharti Arora**", **IPS, Joint Commissioner of Police (Traffic), Gurgaon** inaugurated the event. Around **450** students participated in the Marathon of **4 Kms** starting from college premises to KMP point near Farrukhnagar and back to college.

In the closing ceremony, Respected Chairman, **Dr. Satish Yadav**, appreciated the efforts put in by the participants. Hon'ble Chief Guest, **Smt. Bharti Arora** addressed the students with a motivating story giving the message of determination and team work. Principal **Prof. (Dr.) M. N. Hussain** thanked the Chief Guest for his gracious presence and Chairman Sir presented the memento to honor her. Winners in Boys and Girls category were awarded with Medals and Prizes separately. In boys category, **Kanishk Gaur** from Civil Engg, **Yaduvanshi** and **Manish Rawat** from Mechanical Department bagged the First, Second and Third prizes respectively. In girls category, **Shweta Saini** from First year, ECS, **Neeti Panchal** and **Priyanka** from ECE Deptt. bagged the First, Second and Third prizes respectively.



**"Smt. Bharti Arora" inaugurating the event
Marathon-2013**



**Students running for the cause of
"Women Security."**

Education Trip to Electronica & Productronica India 2013 Held at Pragati Maidan :

The Department of **Electronics and Computer Engineering** of **Dronacharya College of Engineering, Gurgaon** had organized an educational visit to "**Electronica and Productronica India 2013**" on **4th September 2013** at Pragati Maidan, New Delhi. **Electronica India** is India's and South-Asia's leading fair for electronic components, systems and applications. One important attraction to the trade fair is the communication platform for the electronics industry. Each year international decision makers get together for discussing latest trends in the market.

Around **250 exhibitors, representing 525 companies**, showed their products, solutions and services at the trade fairs from 4 to 6 September 2013. All the exhibitors and companies showcased their latest innovations, research and discoveries in the field of electronics. Students were also able to know about the latest developments and innovation taking place in India as well as abroad in the field of **Semiconductors, LED/LCD Displays, Sensor Technologies, Micro Nano Systems, Electronic Design, Automotive Wireless and Other Information Gathering Services**.



**ECS students in Educational Trip "Electronica
and Productronica India 2013"**



**Students gathering information regarding
electronics products**



*Students interacting with companies
in the exhibition*

Industrial Visit to Network Bulls Pvt. Ltd. Gurgaon :

11th October 2013 a group of 50 students from the **Department of Information Technology** of **Dronacharya College of Engineering, Gurgaon** visited **Network Bulls Pvt. Limited, Gurgaon (Asia's Biggest Cisco Training Company)**, in coordination with the Faculty member **Mr. Ashish Kr. Luhach**. The objective of the visit was to make Students well familiar with different technical aspects of Networking. **Mr. Deepanshu Budhija, HR and Placement Head at Network Bulls, Gurgaon** welcomed the students and presented the Company's profile, distribution channel etc. He also briefed the students about, "**CISCO**" and how it's various Certification Training programs like **CCNA, CCNA Security, CCIP, CCIE** etc can help budding engineers to grab 100 % placement in this field.

The students also visited their different **Technical Training Labs** where the Lab instructor Mr. Ashish demonstrated them about various connecting devices that are used in IT industries, and how the **live processes, projects, Network and IT Security are carried out by the Experts**.



*Mr. Deepanshu Budhiraja, HR and Placement
Head, interacting with the students*



*Demonstration of various technical training
labs at Network Bulls, Gurgaon*

2 Day Industrial Visit to Huawei Telecommunications India Pvt. Ltd. :

On **28th & 29th October 2013**, students of IV Year and III Year of CSE and IT, visited Huawei Telecommunications India Pvt. Ltd. Gurgaon. **Mr. Vishal**, expert and training partner (Indovision Services) addressed the students and gave brief introduction about the company and the technology that it deals with. He also explained them the HCIG Curriculum, Prerequisites for perusing the course.

Adventure Club-Trip to Kullu Manali :

The Adventure Club Dronacharya College of Engineering, Gurgaon organized a tour to **Kullu-Manali & Rohtang Pass** from **15th to 20 October 2013**.

The Student Coordinators from Information Technology Department, **Mr. Khushish Kathuria, Mr. Hardik Bhardwaj, Mr. Diwanshu Jangira** and Student Coordinator from CSE, **Mr. Prateek Rana** made every possible effort to make this trip a grand success.



The Manikaran Sahib Gurudwara



Zorbing, Paragliding etc at Solang Valley

Research & Publication by Students :

The students of **Dronacharya College of Engineering, Gurgaon** are always engaged in writing technical research papers. They also avail the opportunity to present and get those papers published at various International/National forums. Recently the following students have contributed their research papers for publication:

- ✦ **Mr. Deepak Vashisht's** paper got accepted in IMKE 2013 which is going to be published in **IEEE Explore**.
- ✦ **Ms. Megha Aggarwal** and **Mr. Deepak Vashisht** presented their paper at International Conference at JNU on **5th-6th Oct 2013**.
- ✦ **Ms. Anuradha Singh** of IT 3rd Semester has been invited for ORAL presentation in the **ICAICTE-2K13** which is scheduled to be held on **22nd - 23rd November 2013**.
- ✦ **Ms. Shefali Jain, Ms. Sonia Tiwari, Ms. Smita Bhardwaj** published a research paper titled "**Study on Artificial Intelligence In Neural Network System**" in International Journal of Scientific and Engineering Research.
- ✦ **Ravi Ahuja** of ECS Department published paper on "**Integrating real with the virtual: welcome to the virtual reality**" in the Discovery Engineering journal of the discovery publication under the specifications Volume 2, **Number 5th, August 2013**.
- ✦ **Ravi Ahuja** of ECS Department published paper on "**Artificial Intelligence Uprising: How to build a Sci-fi robot**" in the International Journal of Application or Innovation in Engineering & Management (IJAIEEM) under the specifications Volume 2, Issue 8, **August 2013**.
- ✦ **Ravi Ahuja** and **Siddhant Mehta** of ECS Department published paper on "**Implementation of a Light Saber Using Artificial Intelligence**" in the International Journal for Advance Research in Engineering and Technology under the specifications Volume 1, Issue VIII, **Sept. 2013**, ISSN 2320-6802.
- ✦ Faculty of ECS department **Mr. Krishna Kant Singh** along with students **Neelima Saini** (15723), **Nitin Garg** (15725), **Sunita Mandal** (15736) and **Nitigya Grover** (15724) have published paper on "**Unsupervised Change Detection for Satellite Images using Normalized Neighborhood Ratio and Gustafson Kessel Clustering**" in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume 2, Issue 11, pages 5506 -5511, **November 2013**.
- ✦ **Ravi Ahuja, Sumit Soni** and **Anuj Yadav** of V Sem ECS Department have published a paper on "**Invisibility cloak: Science fiction transforming into reality**" in the "**International Journal of Computer Application**", Volume 82, No. 13, **Nov 2013**.

Placement :

The Placement Cell of **Dronacharya College of Engineering, Gurgaon** do not leave any stone unturned in conducting personality development program, mock interviews, aptitude preparation and group discussion programs on regular basis. Industrial Experts from IBM, TIME, C3Services, NCR Corporation etc have visited the College for motivating the students and giving their expert advice on cracking the interview process. Various Pre-Placement Exams have been conducted so far-

- ✦ HCL Online Exam
- ✦ Internal Pre Placement Exam
- ✦ Various Online Tests For Placement

Following Students have been placed recently:

- ✦ **NishaYadav** (Roll No. 13438) of IT final Year cleared her SSB for Indian Air Force and is recommended by the panel.
- ✦ **Manav Tidhan** (Roll No. 13429) of IT final year also cleared his SSB for Indian Army and is recommended by the panel.
- ✦ **Ritu Aparna** (Roll No. 13452) and **Parul Bhardwaj** (13441) of IT final year have been placed in Mind Processor.

University Merit Holders :

The students of Information Technology department are committed to give the best result in the university examinations. The department has got the maximum merits in the academic year 2013 in the entire university. Sixteen students of IT department have placed themselves in the merit list of **Jan-June 2013**.

S. No.	Roll No.	Name	Marks Obtained	Pass %	Univ. Rank	Class/Sem
1.	14486	SANYA HARNEJA	992/1150	86.26%	2	IT- IV SEM
2.	14444	MEGHA AGARWAL	958/1150	83.30%	5	IT- IV SEM
3.	14434	JYOTI HAZRATI	956/1150	83.13%	6	IT- IV SEM
4.	14461	PERVINDER KAUR	955/1150	83.04%	7	IT- IV SEM
5.	14490	SHIKHA	955/1150	83.04%	7	IT- IV SEM
6.	14497	SHWETA KHARBANDA	947/1150	82.35%	8	IT- IV SEM
7.	14459	NISHA YADAV	934/1150	81.22%	11	IT- IV SEM
8.	14438	KAVITA RAWAT	928/1150	80.70%	13	IT- IV SEM
9.	14447	MONIKA MALHOTRA	927/1150	80.61%	14	IT- IV SEM
10.	13452	RITU APARNA	962/1150	83.65%	2	IT- VI SEM
11.	13469	SONIA TEWARI	947/1150	82.35%	8	IT- VI SEM
12.	13472	SWATI YADAV	944/1150	82.09%	9	IT- VI SEM
13.	13445	POOJA DANG	943/1150	82.00%	10	IT- VI SEM
14.	13438	NISHA YADAV	932/1150	81.04%	15	IT- VI SEM
15.	12358	MONICA BANSAL	7113/8375	84.93%	1	IT- VIII SEM
16.	12351	IRA ARORA	6611/8375	78.94%	14	IT- VIII SEM

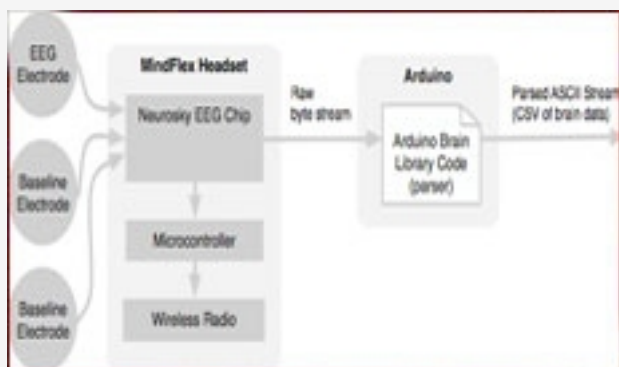


Projects :

ITERATIVE MOBILE BASED BCI SYSTEM:

Project Guide **Mr. Dhramendra Pal**

The objective of this project is to provide a starting point for a customizable neuro feedback application that can be tailored to the needs of different doctors, researchers, and individuals. The application will help to provide additional insight into the understanding of the brain both medically and in a general sense. This project involves the use of a variety of technologies. At the core of the system is the NeuroSky signal-processing chip. The data from this single dry electrode EEG toy is sent to an Arduino using methods described in the hack by the Frontier Nerds (mentioned above).



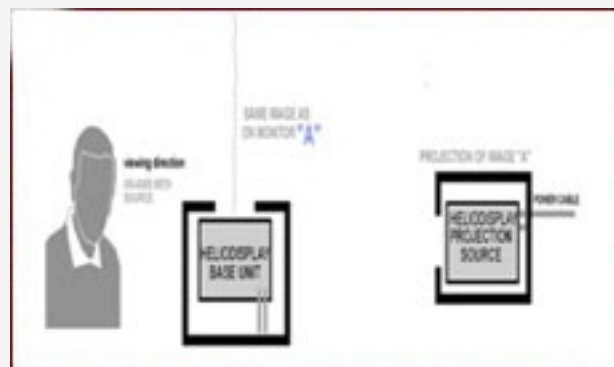
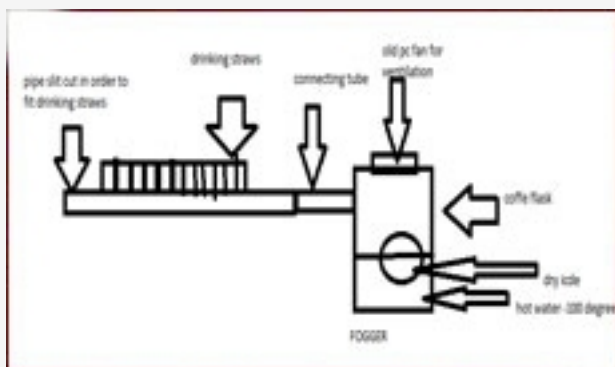
Deepak Vashisth
(Roll No. 14413)

Flow of EEG data from the Mind Flex to a Bluetooth communication device. Electroencephalography (EEG)

FLOATING DISPLAY:

Project Guide **Ms. Kritika Chaudhary**

The main objective of the system is to display free space, full color high resolution video or still images while simultaneously enabling the user to communicate, to have real time interaction with the visual images. Displaying an image using conventional projectors requires a non-transparent medium, typically screens, walls, or even water, but air, which is transparent, cannot be used. The Project intends to work as a free-space touch screen when connected to a PC by a USB cable. The project is an effort to change the conventional physical screens to mid air interactive screens on which the projections are projected.



Parul Bhardwaj
(Roll No. 13453)



Ritu Gautam
(Roll No. 13441)

Student's Viewpoint :

I am glad to be associated with the Information Technology Department. Our H.O.D, Faculty and the non-teaching staff has been very helpful throughout. With their guidance and unstinted support we are constantly learning to achieve the path to success. Our labs are amongst the finest and provides with whatever a student can ask for.



Gaurav Singh
(Roll No. 13418)

"Nothing in this world is ever hard to achieve if you have the courage and faith to believe."
Information Technology Department has created many technocrats every year with great skills and technology that plays very important role in our country's development. Here, the students are coming out of their box to show their hidden talent in various aspects.



Ms. Kavita Rawat
(Roll No.14438)