



Dronacharya College of Engineering

ISSUE

Vol-vii issue LXVII

Applied Sciences & Humanities

In This Issue....

- ✚ Editor's Desk
- ✚ HOD's Desk
- ✚ Research & Publication
- ✚ Seminar/Conference/Workshop
- ✚ E-Week Programme
- ✚ NSS Camp
- ✚ DronTech-2012
- ✚ Annual Sports Week-2012
- ✚ Student's View Point

From Editor's Desk :

Life is not a set of instructions only. It is also a series of experiences and experiments. Engineering is no exception.

Dronacharya College of Engineering, Gurgaon strives for providing its progeny with a distinct and unique combination of academic excellence and professional growth. In tune with our objective of imparting quality technical education, no efforts are spared to make our students into engineers who are competent, confident and are willing to contribute to the progress and development of both industry and society.



Good education encompasses instilling moral, aesthetic, athletic and intellectual values in the citizens of tomorrow. Dronacharya College of Engineering, Gurgaon has state-of-the-art infrastructure, qualified and experienced faculty who do the best efforts to teach and help the students acquiring sound proficiency in their field of learning. We strongly believe in academic excellence and do not compromise on teaching standards or discipline. **Hi-tech laboratories, spacious workshops, sprawling green campus, library, free wi-fi access and many more facilities provide a quality learning environment to pursue studies and research. Our aim is to provide a vibrant and stimulating environment for teaching, learning and research. Our unique blend of high quality teaching and extracurricular activities makes Dronacharyans much sought after by employers across the globe.**

Editor, (Dr. Sunil K. Mishra)

From HOD's Desk :

"Knowledge removes the lethargy of the intellect, invests truth in the speech, enhances the greatness and casts off sin, it cleanses the mind and spreads the fame all around. Tell me, what is not provided to a man, from the company of high thinking and noble souls."

Technical education is all about acquiring and applying technical, scientific and mathematical knowledge to design and implement materials, structures, machines, devices, systems and processes that safely realize a desired objective or invention. **We at DCE, Gurgaon** provide an educational environment where students can reach their full potential in their chosen discipline and become responsible citizens without compromising in ethics, scholarly environment and discipline.

The Department of Applied Science & Humanities is a building block which plays a vital role in teaching basic Sciences courses for engineering students of all branches. The advanced methodology adopted in the classroom teaching is based on application of innovative strategies, comprehensive lectures, practicals, regular assignments, class-tests and interaction between faculty and students. Our three students i.e. Anita Dangi, Surabhi Abbi and Neelam Sharma got positions in the merit-list of the University Examination (Even End Semester) held in May 2011. The department provides its students with a number of opportunities to develop their skills, personality by participating in various culture and co-curricular activities. As a part of co-curricular and extracurricular activities we conduct national and intercollegiate level seminars and workshops encourage students to participate in technical paper presentation contests organize lectures by experts from leading industries, conduct annual sports-meet, Techno-fest etc.

We at Department of Applied Sciences and Humanities strive for increasing the knowledge, enhancing the critical thinking, ability to change information into knowledge and power of analyzing the things technically of each and every individual of ever changing society through students. We always intend to impart knowledge and develop skill sets of students to become promising engineers in future. This department has distinguished, dedicated and competent faculty members to impart quality education, project-guidance, personality development, group discussion and self-esteem enhancement of the students to enable them to be placed with a reputed organizations. We are set to encourage our students to build up their confidence, self-motivation and problem solving skills and take challenges with vigour and competence.

Head of Department, (Prof. (Dr.) Shri Krishan Yadav)

Research & Publication :

The faculty members at the Department of Applied Sc. & Humanities are also engaged in updating their knowledge through contributing their scholarly papers to the journals of National and International level. During the last semester the following faculty members got their papers published:

Sr.No	Faculty	Title of paper	Journal (s)	Published
1.	Dr. Sunil Mishra	Quest for Identity in the novels of M.Kapur & B. Mukherjee: A Comparative Study	International Journal of Management, Research & Trends [ISSN:0976-781]	Published
		Tradition & Modernity in Manju Kapur's : Difficult Daughters	Asian Journal Of Management, Tech.& Changes [ISSN: 0976-9803]	Published
		Study of Social Concerns in the novels of Kushwant Singh	Academic Views & Reviews [ISSN:2249-7242]	Published

Sr. No	Faculty	Title of paper	Journal (s)	Published
		Study of Indian Theatrical Tradition in the plays of Girish Karnad	Academic Views & Reviews[ISSN:2249-7242]	Published
		Study of Self-Realization in Jane Austen's <i>Pride & Prejudice</i>	Lingaya's Journal of Professional Studies[ISSN: 0975-539X]	Published
2.	Dr. B. B. Sahu	Investigation of absorption mechanism in helicon discharges in conducting waveguides	Plasma Sources Science & Technology	Published
3.	Mrs. Sangeeta Singla	Nano-materials: Hazards and safety measures	Dronacharya Research Journal [ISSN:0975-3389]	Published
4.	Mr. Lalit Kumar	Curing and thermal behaviour of DGEBA using mixture of biuret and 4, 4-diaminodiphenylsulfone	Journal of Thermal Analysis and Calorimetry [ISSN: 1388-6150][Print] [ISSN:1572-8943][Online]	Published
		Curing and thermal behaviour of N.N' Diglycidyl benzophenone tetracarboxydiimide Resin using mixture of Nadic/ or Maleic Anhydride and 4, 4-Diaminodiphenylsulphone	Asian Journal of Chemistry [ISSN: 0970-7077][Print] [ISSN:0975-427X][Online]	Published
		Curing kinetics and thermal behaviour of N,N'- Diglycidyl Benzophenone Tetracarboxydiimide in the Presence of Mixture Dianhydride and 4,4-Diaminodiphenyl sulfone	Asian Journal of Chemistry [ISSN: 0970-7077][Print] [ISSN:0975-427X][Online]	Published
		Studies of curing kinetics of epoxy resins using diorganotin dichlorides	NIET Journal of Engineering & Technology [ISSN: 0975-5462][Print]	Published
5.	Mrs. Parul Mishra	Study of Indian Theatrical Tradition in the plays of Girish Karnad	Academic Views & Reviews[ISSN:2249-7242]	Published
		Study of Self-Realization in Jane Austen's <i>Pride & Prejudice</i>	Lingaya's Journal of Professional Studies[ISSN: 0975-539X]	Published

Seminar/Conference/Workshop :

In addition to imparting technical education, the faculty members are involved in attending seminars/ conferences/ workshop to acquire useful skills. A list is given below:

Sr. No	Faculty	Topic	Venue	Date	Presented/ Attendance
1.	Dr. B.B.Sahu	National Seminar On Advancements in Fluid & Solid Mechanics	Dronacharaya College of Engineering, Gurgaon	20th August 2011	Attended
2.	Dr. Vimla Yadav	International Conference on Green Tech.& Environmental Rehabilitation	G.K.U.Haridwar, Uttarakhand	11th-13th February 2012	Presented
3.	Mrs. Sangeeta Singla	IntInternational Conference on Green Tech.& Environmental Rehabilitation	G.K.U.Haridwar, Uttarakhand	13th February 2012	Presented
4.	Mrs. Rita Yadav	International Conference on Green Tech.& Environmental Rehabilitation	G.K.U.Haridwar, Uttarakhand	11th-13th February 2012	Presented
5.	Dr. Neetu Raina Bhatt	International Conference on Green Tech.& Environmental Rehabilitation	G.K.U.Haridwar, Uttarakhand	11th-13th February 2012	Presented
6.	Mr. Prakash Chandra Mittal	International Conference on Dynamical Systems: Theory and Application	Jadavpur University	11th-14th January 2012	Presented
		International Conference on Analysis	ISI, Delhi	21th-23rd December 2011	Presented



Sr. No	Faculty	Topic	Venue	Date	Presented/ Attendance
		International Conference on Mathematical Science and Application	IIC, New Delhi	18th December 2011	Presented
		National Conference on Role of Mathematical and Physical Sciences in Engineering and Technology.	Govt. College, Karanprayag, Uttarakhand	21st-22nd October 2011	Presented
		International Conference on Advances in modelling optimization and Computing	IIT, Roorkee	5th-7th December 2011	Presented

E-Week Programme:

Entrepreneurship Development Cell at Dronacharya College of Engineering, Gurgaon celebrated **E-WEEK** on **14th-15th February 2012** with the theme "**INVENT THE FUTURE.**" The objective of this celebration was to inspire all into donning the lens of an entrepreneur and delving into local issues and fundamental challenges of water scarcity, garbage, traffic problems, pollution, power etc.

All the participants took the E-week pledge to support Entrepreneurial Environment with complete dedication and devotion. Inaugurating the programme, the **Dean Academics Prof. (Dr.) Onkar Singh**, enlightened the participants on the necessity of entrepreneurship in today's world, particularly in India. **Mr. Sanjay Kapoor**, Consultant "NEN" (NCR-Region) also addressed the participants and judged their ideas for better implementation.

Hon'ble Guest speaker **Mr. Vikas Rajput, CEO "Parallel Living Research Centre and the Site Makerz"** guided the students about stepwise approaches to develop business plans and models. **Mr. Hemant Mittal, an alumnus of DCE, Gurgaon** shared his experiences of the real entrepreneurial world. **Mr. Anil Garg, Chief-Manager "Syndicate Bank", Gurgaon** discussed issues of finance, investment and loan.

A number of exercises like E-Quiz, Idea Generated Exercise, Rs. 50 Exercise were conducted to give the students a flair of entrepreneurship. Some inspirational videos on the theme invent the future were showcased to prove how can we effectively utilize our limited resources in an efficient way. During the programme, the participants were made aware how to take initiatives and get positive outputs. They were also motivated and inspired to excel in the entrepreneurial world.

The program ended with **Certificate and Prize Distribution** ceremony. Mrs. Praveen Chaudhary, Member (Entrepreneurship Development Cell) expressed the deepest gratitude to all organizers participants and guests.





Anil Garg, Chief-Manager "Syndicate Bank", Gurgaon sharing his views on Entrepreneurship



Winners of Idea Generation exercise at EDC



Winners of Idea Generation exercise at EDC



Winners of Rs 50 exercise at EDC

NSS CAMP:

NSS Unit at **Dronacharya College of Engineering**, Gurgaon organised a seven-day camp from 21st to 27th February 2012 to aware people from slum areas. It was inaugurated by the **Principal, DCE Prof. (Dr) B .M .K . Prasad**. Addressing the volunteers, he said that the college would encourage the volunteers through providing all possible help in the service of mankind. He reiterated that the commitment of the college fraternity on taking up social problems as a challenge. He shared that the college has opportunity to have the maximum number of volunteers in the field of social and national services.

During these seven days camp the volunteers distributed clothes, biscuits, medicines, books etc. NSS unit organised rally and skit on various social malpractices like Dahej- Pratha, Bal- Vivah, Corruption, Anti- drugs, Child labour, Hazards of Polybags etc. NSS volunteers with coordinators set their step forward for yoga and meditation camp for villagers of adopted villagers, where they gave lectures on health and hygiene and first aid training . They also presented their views on female foeticide, cleanliness, literacy so that every citizen of India may live happily.

On the closing ceremony, **Hon'ble Dr. Satish Yadav, Chairman, Dronacharya Group of Institutions** motivated the volunteers, program officers to take more initiatives for social welfare. He appreciated the work done by the volunteers in ending services like cleanliness drive, Tree plantation, Blood Donation, literacy, Health and hygiene, pollution control etc. Hon'ble Chairman expressed that **Dronacharya College of Engineering** is in dynamic equilibrium with its social, ecological and economical environment and the college fraternity must go head with the mission of social services and such programmes help in the development of society as well as for the Nation.

The camp concluded with a vote of thanks by Mr. Ashok Kumar, the Programme Officer (NSS unit). He expressed his gratitude to the magnanimous management, Hon'ble Principal, Dean (Academics), Advisor, all HOD's and faculty members for all support and cooperation. He also thanked the volunteers for their active participation.



Hon'ble Chairman Dr. Satish Yadav motivating Dronacharyans



A skit on Dowry by NSS Volunteers

DronTech-2012:

Dronacharya College of Engineering, Gurgaon provides a comprehensive educational life that encompasses a gamut of value added services to the students. Our College organised a two day technical fest - **DronTech** during 24th-25th February, 2012. Dronacharyans and other students from different engineering colleges also exhibited their talents encountered by intelligence.

On 25th Feb 2012, **Hon'ble Chief Guest Mr. T.Chander Shekhar**, Director, Patent Facilitating Centre, New Delhi, visited the campus and appreciated the enthusiastic performance of students. Talking about the advantages, he stressed that the aim of such events is to encourage economic and technological development by rewarding intellectual creativity. He motivated the participants to think more in the direction of technical innovations.

Hon'ble Principal Prof. (Dr.) B.M.K. Prasad motivated the participants who came from different colleges. He said that Drontech is celebration of that fusion where the beauty of the form is coalesced with inspiring ingenious innovations of young mettle. Addressing the students, he expressed that extra-curricular activities helps to develop the all-round personality of the participants to face the undaunted task and turbulent world of future. He emphasised that experience and accolades gained through many of these activities also help during internships boost self-confidence and sense of achievement.

On second day, Technical Discussion, Programming Skills, MATPRO, Crazy Metals- Junkyard Wars, Innovate- Project exhibition, and ethical hacking were points of attraction where students showed their talents and the Chief-Guest, guests and other faculty members were mesmerised.

During the Drontech-2012, Sufiyan, [Poster Presentation], Richa, Nancy and Monika [Rangoli], Surya Sharma [Technical Group Discussion], Vaibhav Chawla [Programming Skills], Ankit and Vivek [Web- Designing], Ritu [Gaming Chess], M. Srikanth [Gaming- NFS], Sachin [Gaming - Counter Strike], Monider, Ravinder Singh and Kapish [Project Exhibition], Sachin Suhag [p- SPICE], Pravesh Kumar [MATPRO], Vibhor Anand, Anita Dangi and Bhavesh [Quiz], Vipul and Niharika Sharma [Paper Presentation], Ashish Kumar Rajput, Mahika Kapur, Manju and Ajesha Tafsir [Junk Yard], VipinSharma [Auto CAD], Yograj Soni [Ethical Hacking], Savneet, Vaibhav and Satindu [Robotics], Rahul Kumar

The fest was concluded with the Prize and Certificate distribution by Hon'ble Chief Guest. On behalf of the students, staff and faculty members, Prof. (Dr.) Jitender, Convener, Drontech gave the vote of thanks and expressed his gratitude to the **Management, Hon'ble Principal, Dean Academics and all HODs** for providing all possible help and cooperation.



**Poster Presentation by the students in
Dron Tech- 12**



**Hon'ble Chief Guest Mr. T.Chander Shekhar,
Director, Patent Facilitating Centre, New Delhi
addressing the students**

Annual Sports Week-2012:

Sports activities occupy a significant part in the curriculum of **Dronacharya College of Engineering, Gurgaon**. Dronacharyans celebrated **Annual Sports Week** from **18th to 23rd February 2012**. During this week the students participated in a number of sports and games like Cricket, Volley Ball, Basket Ball, Races, Table Tennis, Tug of War etc. Besides having merit in academics, they performed well in these games.

Dr. Satish Yadav, Hon'ble Chairman of Dronacharya Group of Institutions presided over the Sports Function as the **Chief Guest** and gave away prizes, tantalizing trophies and scintillating shields to the winners and runners up on closing ceremony, **23rd February 2012**. **Encouraging the sports spirit in students, he shared that** the importance of sports in the life of a young student is invaluable. Sports provide numerous opportunities for children and teenagers to grow socially, emotionally, and physically. He reiterated that on sports ground the students learn discipline, responsibility, social-interaction, co-operation, accountability etc.

Hon'ble Principal Prof. (Dr.) B. M. K. Prasad appreciated the students-girls and boys- for participating in sports with a great zest and zeal. Addressing the students, he expressed that extra-curricular activities help to develop the all-round personality of the participants to face the undaunted task and turbulent world of future. He emphasised that experience and accolades gained through many of these activities also help during internships boost self-confidence and sense of achievement.

During the Sports Week 2012- Mr. Gautam, the captain of winner team [Cricket boys], Ms. Deepika, the captain of winner team [Cricket Girls], Mr. Vivek, the captain of winner team [Volley Ball Boys], Mr. Rohit, the captain of winner team [Basket Ball Boys], Ms. Richa, the captain of winner team [Basket- Ball Girls], Mr. Abhilash, winner [Table- Tennis Boys Juniors], Mr. Lalit Garg , winner [Table- Tennis Boys Seniors], Ms Jogita, winner [Table- Tennis Girls], Mr. Himanshu, the captain of the winner team [Tug- of- War Boys], Ms.Chetna, the captain of the winner team [Tug-of War Girls], Ms. Chahat, winner [Lemon Race Girls] Mr. Manish Rawat, winner [100 m. Race Boys], Ms. Nisha Yadav, winner [100 m. Race Girls] Mr. Rahul, winner [Sack Race Boys], Ms. Rajni, winner [Matka Race Girls] were the centre of attraction.

The sports function was concluded with a vote of thanks by Sports-in-charge **Prof. (Dr.) H. S. Dua**. On behalf of the students, staff and faculty members he expressed his gratitude to the **Management, Hon'ble Principal, Dean Academics, Registrar and all HODs** for providing all possible help and cooperation.



Hon'ble Chairman Addressing Dronacharyans



Dronacharyans Playing Volleyball



Tug of War at Sports Week-2012



Dronacharyans (Girls) Playing Basketball



Matka Race at Sports Week- 2012



Winners (Girls) Cheering up



Winners (Boys) Cheering up

Student's Viewpoints:

The Department performs its radiant role in shaping, moulding and metamorphing the raw talent on the anvil of value-based education grooming them, reinforcing and revitalizing their acquired or inherent talents. On academic front, average to brilliant student - everyone is given equal attention. This enables every student to give 100% results and he becomes accustomed to hard work and sincerity. This professional college facilitates us with so many recreational activities from time to time that refresh the students. There is Sports week, with all the sports covered, cultural activities to discover and show inner talent and Techno-Fest for building up our I.Q.



Jorawar Singh (Roll No. 14039)

Our College gives us the best in terms of competent staff, good infrastructure and learning opportunities. The skilled Faculty possesses enthusiasm for teaching and shaping career of students. Here, the teachers demonstrate, illustrate, give examples and apply concepts that make learning easy and interesting. Students are provided individualized attention to enhance their ability to acquire knowledge. Our College differentiates itself from others by providing scholarships to the meritorious and financially weak students. In this era of globalization contemporary education has to relate to today's teaching to meet tomorrow's needs and this is what DCE is trying to achieve.



Abhijeet (Roll No. 14136)

We, the students of Applied Sc. & Humanities are guided from core to crust, to map the path of success. At every step of this path, we are always counselled by the class counsellors and the HOD, Prof.(Dr.) Sri Krishan Yadav, an eminent scholar of practical wisdom . Students are very well taught how to live a disciplined life, how to discover our each and every talent, skill and how to overcome our negative aspects to lead the corporate world.



Ranjeet Kumar (Roll No. 14136)

Dronacharya College of Engineering reflects modernity, liveliness and enthusiasm in every aspect and leaves no corner untouched. It is a combination of various colours, which includes academics, sports, cultural and tech-fest etc. Our College is dedicated to developing intellectual curiosity and personal growth of each Dronacharyan. Under the able guidance of our HOD Prof.(Dr.) Sri Krishan Yadav, we are bestowed with wings to reach the zenith of creativity and knowledge. The faculty members always encourage us to do better in academics.



Ashutosh Chaturvedi (Roll No. 14544)

Dronacharya College of Engineering is one of the esteemed organizations in Haryana and its Department of Applied Sciences & Humanities has always assisted the students in becoming global technocrats who demonstrate their significance. Here the faculty members not only convey Technical knowledge but also brush us for Personality Development.

I am really very happy to be associated with the Department and the College.



Asha Kumari (Roll No. 14293)