

# Deen Dayal Upadhyaya College

(University of Delhi)



## Chief Guest

Prof. Vivek Suneja,  
Pro Vice-Chancellor, University of Delhi, Delhi.

## Guests of Honour

Prof R.C. Kuhad  
Deptt. of Microbiology, Univ. of Delhi  
&  
Prof. Vinay Gupta  
Deptt. of Physics & Astrophysics, Univ. of Delhi

# Annual Report 2011-12

## **From the Desk of the Principal**

### **Annual Report 2011-12**

Hon'ble Prof. Vivek Suneja, Pro Vice-Chancellor, University of Delhi and Chief Guest of today's function, Prof. R.C. Kuhad, Professor of Microbiology, University of Delhi, Prof. Vinay Gupta, Professor in the Department of Physics & Astrophysics, University of Delhi, distinguished guests, colleagues and my dear students. It gives me immense pleasure to welcome you all on the occasion of the 22<sup>nd</sup> Annual Day of our college.

Prof. Vivek Suneja is perhaps the youngest Pro Vice-Chancellor, the University of Delhi ever had. Prof. Suneja is a Doctorate of University of Reading, U.K. and is currently Professor at the Faculty of Management Studies, University of Delhi. A specialist in Strategic Management, Prof. Suneja is a Member of CII's, National Committee on Higher Education and also has the honour of being a Felix Fellow (U.K.). He is author of several books, monographs and research articles. He served the University of Delhi as Dean (Planning) for five years and is at present its Pro Vice-Chancellor. On behalf of the college fraternity, I extend a very warm welcome to you Sir.

Prof. R.C. Kuhad is a Professor in the Department of Microbiology of the University of Delhi and is associated with the Department right since its inception. Prof. Kuhad has done his Post-Doctoral work at various International Institutes such as Manchester University, Georgia University, Athens and Santiago University, Chile. A recipient of the Commonwealth Scholarship, Prof. Kuhad has produced 14 Ph.D students, has about 125 publications and three Edited books. He is on the Editorial Board of about 20 Journals and editor of several International Journals. Prof. Kuhad has been honoured with the Short-term Bio-technology Associateship award as well as the Long-term Bio-technology Associateship Award by the Department of Bio-technology, Govt. of India. Recently, he has been honoured by the Association of the Microbiologists of India with "Titen Bio-technology Award". We are pleased to have you with us today.

Prof. Vinay Gupta is one of us as he started his teaching career from this college. Having done his B.Sc. (Hons.), M.Sc. and Ph.D in Physics from the University of Delhi, Dr. Gupta has vast International exposure and has visited several countries including Australia, Taiwan, U.S.A., France and Switzerland. He is a recipient of the BOYSCAST Fellowship and is Member of several National & International academic Bodies.

In two decades of teaching and research experience, he has published 189 Research Papers with more than 1300 cumulative citations. Six students have already been awarded Ph.D degree under his supervision and ten others are pursuing. He has edited several Articles in Journals and edited books. Till date he has worked on 13 different projects sponsored by various research agencies. His area of research is nano-sciences which find direct application in the Industry. One of the sensors developed by him has been used in the Chandrayan. We take pride in your achievements Prof. Vinay and welcome you here.

I would like to apprise you now of the achievements of the college in the last academic year.

## **ACTIVITIES IN THE COLLEGE**

### **Orientation Programme**

Activities in the college began with the Orientation Programme organized on 20<sup>th</sup> July, 2011 for the freshers. All the first year students were invited to the college along with their parents and were apprised of the activities and culture of the college.

### **Founder's Day**

The college celebrated its Founder's Day on 25 September 2011 on the occasion of the birth anniversary of Pandit Deen Dayal Upadhyaya Ji . The Chief Guest for the day was Dr. Jagdish Mukhi with Dr. Rajni Abbi, Mayor of Delhi, as the Guest of Honor. Mr. Subhash Sachdeva, MLA Moti Nagar and Dr. Nand Kishore Garg, Chairman, Maharaja Agrasen Institute of Technology Trust and a former Chairman of the college Governing body also graced the occasion. Principal delivered the welcome address and briefly highlighted the achievements of the college in the last few years.

Dr. Jagdish Mukhi in his key note address, emphasized the role of youth, specially the students, in making India a corruption free country. He highlighted the examples from Pt. Deen Dayal Upadhyaya's life which the students can relate with. Dr. Rajni Abbi congratulated the college for its performance in academics as well as co-curricular activities. The members of the newly elected Students Union of the college namely Mr. Devesh D. Lalwani as President, Mr. Vishwas Pratap Banga as Vice-President, Mr. Harish Kr. Malik as Secretary, Mr. Umang Gupta as Joint Secretary, Ms. Pooja Banga as Science Rep. and Mr. Amit Kaushik as Commerce Rep. were also felicitated on this occasion. Dr. Nisha Rana, Convenor, Founder's Day function delivered the Vote of Thanks.

## **EXTRA-CURRICULAR ACTIVITIES**

### **The MUN Club**

Model United Nations is a concept where students from different schools, colleges and universities across the world gather as Delegates of Different countries and act as members of the United Nations to discuss and debate the crucial issues that exist around the world.

The MUN Club, DDUC was formulated in the year 2011, under the convenership of Dr. Nisha Rana. It hosted the First Deen Dayal Upadhyaya College Model United Nations Conference (DDUCMUN) on 4th-5th August 2011 in collaboration with the United Nations Information Centre and the United Nations CSO Network. The MUN was organized at the Conference Centre, University of Delhi and was inaugurated by Prof. K.V. Thomas, Minister of State – Food and Agriculture, Government of India.

With an organizing committee of more than 60 students and under the leadership of Devesh D Lalwani residing as Secretary General (Head of OC), DDUCMUN 2011 was not only the highlight of the National MUN calendar but also one of the largest Model UN conference that Asia had ever seen! Having student participation from over 200 schools, colleges and universities from over 8 countries including USA, Bangladesh, Sri Lanka etc totaling over 450+ students, this was indeed a great platform for potential young leaders to discuss issues that affect the society as a whole.

Further, as a part of Kalrav 2012 – The Annual Festival of DDUC, The DDUCMUN: Winter Session was organized by The MUN Club with Amarinder Arora and Mehr Arneja residing over the positions of Secretary General and Dep. Secretary General respectively. It witnessed participation of over 100 students from Delhi, NCR in simulating three UN committees - the UN Human Rights Council, UN Security Council and the AEIP.

### **The Fin S Club**

'Fin-S' - The Finance Club of Deen Dayal Upadhyaya College organised a seminar on 'Investment in Capital Market' by Ms. Nanu Kaur, DGM, Securities and Exchange Board of India. She explained the functioning of Stock Market and guided students about precautions before investing in the stock market.

## **Vande Mataram**

Vande Mataram, the Inter-College Classical Dance & Choir competition was organized by Music & Dance Society in collaboration with the Cultural Council, University of Delhi on 27<sup>th</sup> September, 2011 in the college premises. The day long event was convened by Dr. Poonam Garg, Convener Music & Dance Society and Dr. Ravinder Kaur, Co-ordinator, Student Activity Board. The programme started with an introductory note from the Principal, followed by encouraging speech of Sh. S.P. Dixit, Director, Higher Education, Govt. of NCT of Delhi who was the Chief Guest. Dr. Suchitra Gupta, Secretary, Cultural Council, University of Delhi also introduced the working of Cultural Council and its forthcoming programmes. Vote of Thanks was given by Dr. Madhu Chawla. The overwhelming participation from various colleges of Delhi University was evident with 30 teams in Inter-College Classical Dance competition and 10 teams in Inter-College Choir competition.

In Inter-college Classical Dance competition Ipsita Singh of Lady Shri Ram College got the First prize, Era Dogra of Lakshmbai College got the Second prize and Surya Shekhar of Dyal Singh College got the Third prize.

In Inter-college Choir competition the Choir group of A.R.S.D. college got the First prize and one Consolation prize. Sri Guru Gobind Singh College of Commerce and DDU college bagged the Second and Third prizes respectively.

The judges for Classical Dance competition were Ms. Ipsita Chatterjee and Mr. Kumar Pradipto, trained Kathak dancers. Dr. Ojesh Pratap Singh (Associate Professor) and Dr. Harish Tiwari (Assistant Professor) from Faculty of Music and Fine Arts judged the Choir competition.

## **Music Society**

With the appointment of Rohit Jahari, Devansh Dwivedi and Avinash Mishra as the President, Vice-President and Secretary respectively, the Music Society began its action with the holding of auditions and orientation of the selected candidates.

The Music society's first major event was organization of the inter-college "Vande Mataram" competition jointly with the Dance society. The event also saw the first performance of both the college band and the choir group for the session. The event was well organized and turned out to be a major success in terms of response and also because the Choir Group secured the 3<sup>rd</sup> position in the choir singing competition.

A major achievement of the society was to prepare an anthem for the college fest 'Kalrav'. The lyrics and the music for the anthem were contributed by the members themselves. The main attraction was the recording of the anthem in a studio which was a big boon for its members as it gave them insight about the working of a studio and helped in increasing their confidence. The anthem was uploaded on social networking sites such as 'facebook' and 'youtube' so as to reach out to maximum number of people.

Kalrav 12' saw the organizing of another major event, "Apocalypse : Rock band competition" by the Music Society. The event was much publicized through social networking sites and it received numerous entries which were narrowed down to 12 for the final performance. The college band took part in the 'Rock band competition' and put up a good performance.

The Music society also took part in events organized by Lady Shri Ram College and BITS-Pilani, Rajasthan.

### **Raaga - The Dance Society**

Raaga, the Dance Society of Deen Dayal Upadhaya college witnessed amazingly wonderful talent in the session 2011-2012.

On 1<sup>st</sup> August 2011 , dance auditions were conducted by Arjun Thukral , the president, accompanied by Vikrant Khurana , the coordinator. The panel of judges included Dr. Poonam Garg , the Convenor and Dr. Renu Aggarwal along with the ex-society members Amit Bhatia , Shubham , Rohit Sharma who helped the judges to short list the participants.

The month of September saw Raaga being part of a big celebration VANDE MATARAM an inter-college Choir and Classical Dance competition organized by DDU college in collaboration with Cultural Council, University of Delhi.

Raagians participated in the Festival of BITS, Pilani and in the Solo Dance competition Amit Bhatia, Arjun thukral and Radha Rana reached the finals. Ultimately Radha Rana won the Second prize.

Our students performed in various colleges like JDMC, Miranda House, Bharati College, Shivaji College, Rajdhani College, Dyal Singh College, Kirorimal College and our own College Festival Kalrav 12'.

### **Voice - The Debating Society**

"It is better to debate a question without settling it than to settle a question without debating it. " This statement of Joseph Joubert sums up the attitude of the Debating Society at DDUC.

Under the convenership of Dr. Pramesh Ratnakar, The Debating Society of DDUC has made a mark for itself in the debating circuit throughout the country, by not only participating in debates pan-India but by also winning many!

Meenal Narula from BBS (1st year) was awarded with the Best Interjector prize in the Inter College Freshers Debate at Shaheed Sukhdev College of Business Studies. Saurabh Jain from BBS (1st year) won the 3rd Prize at IIPM Delhi's Annual Flipback Debate and the 3rd Prize at the Group Discussion Event held at Netaji Subhas Institute of Technology (NSIT), New Delhi.

The Debating Society performed very well at the Annual Oasis Debate at BITS Pilani with one team breaking into the Semi Finals and the other into the Quarter Finals, with Pan India participation. The Debating Society also held an Inter college debate "Aussage" as a part of Kalrav 2012 - The Annual College festival, with extraordinary participation from students of various reputed colleges in Delhi & NCR.

### **Yavanika - Dramatics Club**

The three major activities undertaken by Yavanika, the dramatics society of the college have been their annual production 'Daawat-e-Kichdi,' organisation of inter-college Nukkad Natak competition as a part of Kalrav the college's annual cultural festival and organisation of 'Cognizance' a festival of Documentary movies. Like the previous year, our annual production also went places including Bhaskaracharya College and JNU. The play has drawn acclaim from media for the sensitive portrayal of the contradictions of modern city life. However, more than the activities organised, Yavanika's major strength lies in its emergence as a self-sustaining eco-system where the students engage in a process of constructing and deconstructing discovery of the various facets of life.

### **DDUC - Spic Macay Chapter**

The academic year 2011-12 was full of activities for the spic Macay society of the college. On 20<sup>th</sup> of September, 2011, our college organised a Vocal recital by renowned Khayal vocalists Pt.Rajan and Sajan Mishraji of Banaras Gharana. The audiences were mesmerised by their recital and actively interacted with them on the history of khayal style of singing.

On 24<sup>th</sup> of Feb.2012, under the Virasat-2012 series, the college had the privilege of organizing a Kathak dance performance by renowned Kathak danseuse Padmabhushan Ms. Uma Sharma of Jaipur and Banaras Gharana. She was accompanied by famous artistes Pt. Jwala Prasad, Ustad Mubaraq Ali and Mustafa Khan. She mesmerised the audience with her performance of showing delicate moods from the Ramayana and other themes like Women empowerment.

Without the active cooperation of our dear students Inderpal Singh-President, Tarun Verma-Vice-President, Surbhi Sharma, Gayatri & Sumit of B.Sc. (Hons.) Maths – III<sup>rd</sup> yr., Kaustubha Gaur, Ankit Gupta of B.A.- I<sup>st</sup> yr., these functions would not have been possible. Ms. Babita of B.Com(H) III yr. did a commendable job as anchor.

## **Gandhi Study Circle**

Gandhi Study Circle under the Convenership of Dr. Neeraj Tyagi sent four students as volunteers to the Gandhi Darshan Yatra organized by Gandhi Bhawan, University of Delhi. These students visited various places in and around Ahmedabad like Sabarmati Ashram, Porbander and Bhavnagar where they experienced selfless service based on Gandhian philosophy. On their return Gandhi Bhawan, University of Delhi organized a Writing Competition to compile their experience through this journey, in which Vinay Kumar of B.Sc. (Hons.) Electronics-II yr. of our college got 3<sup>rd</sup> prize. The prizes were given away by Prof. Dinesh Singh, Vice-Chancellor, University of Delhi.

## **Annual Cultural Festival - Kalrav**

Deen Dayal Upadhyaya College had its annual cultural festival KALRAV-meaning chirping of birds on 9<sup>th</sup>, 10<sup>th</sup> & 11<sup>th</sup> February, under the leadership of Dr. Paramjeet Bedi and Mrs Shweta Wadhera with major creative inputs coming from Devesh Lalwani, the President of the Student Union and Ankit Drall, the cultural secretary. The Festival was graced by the presence of Shri P.K Kulshreshtha, Project Manager, PWD as the Chief Guest. The theme for this year's Festival was "Agni.Aqua.Aura". Dedicated to the celebration of creativity and the colors in life, KALRAV was a stimulating event brimming with youthful dynamism.

This year, KALRAV was unique and grand in various ways. It was the first annual festival to have a dedicated Android application and also a "kalrav ANTHEM" to add to its flavour of uniqueness. KALRAV also joined hands with various NGO'S to spread social awareness and concern amongst the youth, including a blood donation camp that was set up outside the college. We played host to almost 65 colleges across universities in Delhi and neighbouring cities. With 20 formal and about 30 informal events, KALRAV was a melting pot of fun, frolic and enjoyment.

KALRAV 12' was definitely a shining star in the galaxy of various other college festivals that happened during that time around the city. The first night of the festival witnessed a spectacular crowd of over 12,000 people who danced and sang on the tunes of a thrilling performance by the famous international rapper, Honey Singh. The second evening had the famous humourist Nitin Gupta a.k.a Rivaldo, leaving everyone in fits of laughter with its standup comedy act. On the third night, KALRAV played host to "Desi Playaaz", who rocked the show with their performance in our campus, after earlier impressing the entire country with their act in "India's Got Talent".

## **Eco-Club**

The Eco-Club of the college started its activities with the inaugural lecture by Prof. A.K. Pandey of the University of Delhi. His talk "The Role of Taxonomy in Biodiversity Conservation", enriched the students in the area of nomenclatural science which is a key tool in the identification and conservation of rapidly depleting biological species in the present global scenario. This was followed by Tree Plantation and



Botanical Rangoli Competition in which students from various courses used natural colours to make rangoli on various environmental themes. A full-day Cleanliness Drive in the college campus was also held in which a large number of students enthusiastically participated. An Intra-College Lecture competition on Environmental Issues was organized by Eco- Club in which students gave power- point presentation on environmental concerns like Global Warming, Yamuna pollution, Habitat Destruction, Biodiversity Loss, Plastic Menace, e-Wastes and Radioactive Wastes. A day trip was also taken to the Asola Wildlife Sanctuary to expose students to the so- called “Green Lungs of Delhi”. An audio-visual programme was organized by the sanctuary for the students. This was followed by a nature’s trail in which the students got opportunity to see the local flora and fauna extending to Aravalli range of Delhi NCR region.

## **Photography Club**

### **Photography is the beauty of life, captured. - Tara Chisholm**

The session began with an exhibition where the students of the College got a platform to showcase their talent. This was followed by an interactive session of the seniors with the freshers or new buds of the photography society in which Abhinav Jerath gave a presentation on photography and the working of the society. A workshop on various aspects of photography was conducted by Mr. Hemanth Uppal who taught the students not only how beauty can be seen but also composed. He turned students into photographers rather than just being a mere snap shooter.

A two day photography workshop was organized with the world renowned photographer Mr. Ritam Banerjee as the trainer. The session ended with the annual exhibition and an online competition during the college festival Kalrav.

## **NSS Committee**

The NSS unit of the college organized an orientation programme for the freshers in which they were informed about the activities of the NSS. About 50 students registered as volunteers and are working with various NGOs and institutions involved in upliftment of the weaker sections of society. The volunteers are working with :

1. Slum children education and development trust, Kathputli colony, Shadipur
2. Bal Vihar, Dwarka
3. Blind girls hostel, Rohini
4. Friends organization for the physically challenged, Karampura
5. Atma shuddhi ashram, Bahadurgarh
6. Vasudev smarak chatravritty, Madipur
7. Sewa Kutir (Hostel for blind boys), Kingsway Camp
8. Blind Girls hostel, Bhagat Colony

Each volunteer visits the institution of his/her choice at least once a week and works there for a couple of hours. The volunteers are involved in teaching slum children or orphans, helping blind students in their studies, coordinating the programmes for physically challenged persons and in taking care of pre-school children from poor families while their parents are away working.

The NSS volunteers took an initiative in helping out the homeless and the poor during the harsh and cold winter. They collected clothes from the college staff and students and distributed them among the needy. The NSS unit also coordinated with the Disaster Management Authority, Delhi, in conducting a mock exercise on disaster management during an earthquake.

This year the NSS Center of Delhi university coordinated with the World Lung Foundation in making the University a 'no tobacco zone'. The NSS Programme Officers in colleges were entrusted the task of Nodal Officers responsible for creating awareness among students and staff about the harmful effects of tobacco consumption. Thirty NSS volunteers were part of this anti- tobacco brigade. Their job was to ensure that no one smoked in the college campus.

A declamation contest on the topic 'Why Tobacco free world' was organized, in which students presented their views supported by scientific evidence on the effects of smoking and other forms of tobacco consumption on the individuals as well as the society. A painting competition on the same topic was also organized. The winners of these events represented the college in the inter college competitions.

### **Sports**

This year 14 teams participated in the Inter-college Tournaments. These are :

Baseball (Men)  
Softball (Men)  
Archery (Men)  
Cross country tournament  
Archery (Women)  
Cricket (Men)  
Football (Men)  
Chess (Men)  
Table-tennis (Men)  
Korfball (Men and Women)  
Basketball (Men)  
Badminton (Men)  
Netball (Men)  
Netball (Women)

Baseball team of the college emerged as the champion and got first position in inter-college tournaments, the Softball team was placed third and the Archery team fourth. In Cross-country, our team secured the fifth place. A large number of our students were selected in various teams of Delhi University to play in the inter-university tournaments.

Four students namely Harsimrat Singh of B.Com (H) III yr., Nitin Bhardwaj of B.Com (H) III yr., Kunwarjeet Singh of B.Com (H) II yr. and Vikram-of B.A. (Prog.) I yr., were selected in Delhi University **Baseball team** which secured the first place in All India inter-university baseball tournament organized by Raven Shaw University, Cuttack.

Three students of our college namely, Amol of B.A. (Prog.)– III yr., Rinku of B.A.–I yr., Amit Barak of B.A.– I yr., were selected in Delhi University's **Softball** team which participated in All India Inter-University Softball Tournament organized by Punjab University, Chandigarh.

Sumit Rana of B.A. (Prog.)– III yr. represented Delhi University's **Netball team** in All India Inter-University Netball Tournament organized by Guru Ghasi Das University, Bilaspur.

In Korfball, two students of our college namely, Megha of B.Sc. (H) Math – III yr. and Vivek of B.Sc. (H) Phy. - III yr. were selected as probables for the team of the University of Delhi.

This year our college hosted the Inter-college Basketball (Men) Tournament in the college premises under the aegis of Delhi University Sports Council.

## **SUBJECT SOCIETIES**

### **Abhivyakti**

The last academic year was full of activities for Abhivyakti. On 14<sup>th</sup> of September, Hindi Divas was celebrated and the freshers welcome party was also organized. The first year students entertained the audience with group songs, dance and skits. Sneha and Meenakshi of second year anchored the programme well. 2<sup>nd</sup> and 3<sup>rd</sup> year students also performed well. Arjun Thukral of 3<sup>rd</sup> year was the centre of attraction for his beautiful dance performance.

On 8<sup>th</sup> Oct. 2011, a group of B.A. ( Programme) students went on a historical-cum -academic trip to the desert city of Jaisalmer in Rajasthan under the supervision of their teachers. They visited the famous Jaisalmer fort, saw the long lasting desert, enjoyed camel rides and camp fire. It gave them an opportunity to understand the art, culture and life of the people of Rajasthan. The trip also proved to be of great academic and cultural

value as it developed bonhomie amongst the students and brought them closer to their teachers.

On 23<sup>rd</sup> of Feb.2012, the forum organized a talk by Prof. Radha Vallabha Tripathi, a world famous Sanskrit scholar and Vice- chancellor of Rashtriya Sanskrit Sansthan, on the topic 'Relevance of Sanskrit Language as a Preserver of Indian Value System and Culture'. After welcome address by Dr. R.M. Bhardwaj, Prof. Tripathi dwelt at length on the richness and depth of Sanskrit literature and touched upon many sub topics during the course of his talk. The lecture stimulated an intense discussion on Abhigyanshakuntalam, the famous play of Kalidasa. In the end, Dr. Madhu Chawla, summed up his talk beautifully and proposed the vote of thanks. Shailaja of B.A.-I yr. did a good job as Anchor.

### **Aryabhatta Science Forum**

Some of the activities that happened are :

Formation of Study Group : To develop a healthy relation and bridge the gap between seniors and juniors, the study group conducts small classes, where the seniors present the subject in an interactive way and attempt to clear the doubts of their juniors, which in turn leads to a conceptual learning for both.

ROBO Club : Launched for the first time in the college, the club (MECHANISM ROBO) aims to impart technical skill and knowledge of making ROBOTS to the students. The first ROBO seminar was held in partnership with REG-52 where students were introduced to various ROBOTS and a small competition was also organized.

Newsletter : The forum introduced a four page newsletter. The newsletter aims at highlighting the activities and achievements of the students as also providing exposure to latest activities in the field of SCIENCE AND TECHNOLOGY.

Teacher`s Day : After a very long time the college witnessed a Teacher`s Day celebration. The students were highly motivated with their teachers and decided to give them something in return. And no day could have been better than 5<sup>th</sup> September

**MECHANISM aaveg`12** : Forum celebrated its own annual festival with a mix of SCIENCE AND FUN. Mechanism aaveg, although for the first time, became a huge hit. Organized on 27<sup>th</sup> and 28<sup>th</sup> of Jan 2012, the festival was the biggest event on the part of ASF. It witnessed participants form colleges like Hindu, KMC, Hansraj, Ramjas, Khalsa, SVC to name a few.

### **'Covalence'- Chemistry Society**

The Chemical Society "Covalence" started with the fresher`s welcome on 6<sup>th</sup> August, with the purpose of giving them an opportunity to assimilate with theirs seniors. A competition for talent search were organized by the seniors. At the end of the day, election for the office bearers of chemical society were held. Aman and Richa of

B.Sc (H) Chemistry III sem were elected as president and secretary. Jatin and Pooja of B.Sc (H) Chemistry I sem were elected as vice-president and joint-secretary.

The Inaugural Lecture of “Covalence” organized on 23<sup>rd</sup> September 2011, was delivered by Prof. S.C. Jain of the Department of Chemistry, University of Delhi, on “What fascinates me in chemical Sciences? Few experiences”. The talk was very interesting and engaging as Dr. Jain tried to connect chemistry with some fascinating biological phenomenon. A poster making competition on topic “Chemistry in sustainable development of society” was also held in the Inaugural function. Eleven teams participated very enthusiastically in the competition and made imaginative posters. Anuradha of B.Sc Life Science-III year got first prize while Bhawna & Pooja of B.Sc (H) Chemistry III Sem. Got second prize.

A paper presentation competition was organized on 21 October, in which Hardika and Poorva of B.Sc (H) Chemistry-I Sem. Got the first prize for their paper “Chemistry in everyday life”. Navjot and Shikha of B.Sc (H) Chemistry-I Sem. presented a paper on “Household techniques on water purification” and won the second prize. A collage making competition was also organized on the same day on the theme “Recent trends in Chemistry”. Nine students participated in the competition and showed their creative abilities. Sona Awasthi and Sakshi Bhatia of B.Sc Life Sciences- III year won first and second prizes respectively.

Students of Chemistry (Hons.) – Ist yr. took the initiative of putting up a Wall Magazine giving information about various aspects of Chemistry and about eminent Chemists.

## **Department of Botany**

### **Botanical Society**

The Botanical Society of DDUC has been named as “**KALPAVRIKSHA**”, which means Plant of Virtue. Office bearers of the society were selected in the beginning of the academic session from the students of Botany (H) and Life Science under the Convenership of Dr. Rajkumari Sanayaima Devi. The inaugural function of the society was held on 27<sup>th</sup> August’ 11. Prof. S.C. Babbar delivered the inaugural talk on the topic “DNA Barcodes: Unique Molecular IDs for Biological Identifications”. A Botanical Rangoli competition, Botanical Quiz and Live specimen drawing competitions were also held. A wall paper magazine was started by the society to create awareness about various plants useful to use.

Botanical Fest “**DELONIX**” was held for the first time in the college on 4<sup>th</sup> February. Inter-college Lecture competition, Collage Making and Model Presentations were held in which students from different colleges participated and won prizes worth Rs. 36,000.00 The fun part of the event was filled with cultural activities. Best singer and dancers were also awarded.

## **Department of Mathematics**

The Harish Chandra Mathematics Society organized its Annual Mathematics Festival, 'MATHRIX-11' on 31<sup>st</sup> October. A large number of students from various colleges of the NCR region participated in the one day extravaganza.

A number of interesting events like kakuro, rebus puzzle and quiz were organized. Mathematical Spectrum (rangoli) and poster making competitions witnessed more than a dozen entries. Attractive cash prizes were given to the winners.

A lecture by eminent Mathematician, Prof. Ravi Kulkarni, Institute Chair (IIT, Bombay) on 'The Quaternions' was held on 17<sup>th</sup> November.

## **Sanganika – The Computer Society**

Sanganika's Annual Festival 'Tech Marathon' kicked off with vengeance, with a goal to redefine technology that would transform the future of the commons. It was well received and attracted students from some of the most renowned universities.

The two days of plethora of enthralling events started off on 24<sup>th</sup> February with the enlightening words of the Principal, Dr. S.K. Garg. Other than the traditional crowd pulling flagship events like Ground Zero and Treasure Trove, the fest boasted of many other breath-taking IT events like Brain Waves, Allohomora and Qross Fire.

In Brain Waves, participants had to air their programming skills by getting through the problem code set given to them.

Tech Crunch, the debate, saw the participation of some of the best orators from the different universities.

In e-Stroke, the participants were asked to showcase their skills as graphic designers on the canvas of photoshop and gimp. On the second day in the event Allohomora the debuggers flinched their brains over the humongous codes given to them.

Qross Fire, Tech world's geekiest quiz made participants take a plunge into the pool of Computer Knowledge.

Scriptor's Call gave them the opportunity to showcase their creativity in the development of the websites.

Ground Zero hosted three games: Counter Strike 1.6, Need For Speed Most Wanted and Fifa' 11.

The final event was Treasure Trove, hunt for the treasure that led the teams through some of the trickiest riddles to crack and tested their mental and physical calibre.

## **ZEST - English Society**

The English Society ZEST is an endeavour that enables the students to imbibe the knowledge of literature as well as make them aware of the humanistic aspect of the society.

Even before the academic session commenced the senior students of the Department came forth with all their efforts to inculcate the knowledge and essence of the course to the newcomers. The new batch was briefed and counselled about the course and its prospects during the time of admission, evoking in them an interest for the course.

The academic session began with the orientation programme, the way students have been welcomed to the Department each year. The seven year old department briefed about its achievements through presentations and acts.

To strengthen the bonding between the students in the Department, a jamming session, first of its kind in Delhi University, was conducted by Mr. Ajay Manchanda a prominent NSD personality. He conducted specially designed theatre workshop exercises to enable all the 85 students to “come together”.

The year beginning party RAPTURE, was conducted in September, themed as “Gothic and Masks”, where students interpreted it in an excellent manner showing off their imaginative and creative skills.

The students also interacted with a number of prominent visiting faculties which further elucidated the students in literature and its relevance in the society.

Finally, but not the least Zest became the first ever society in DDUC to bring out an online magazine which is called **ZESTREAM**.

## **BBS REPORT**

Another eventful year, under the coordinatorship of Dr. Nisha Rana witnessed numerous events and activities organized by the Department of Business Studies.

The year began with **the Induction Week**, which is a fun filled orientation programme for the new batch of the year. It acquaints them with the culture followed at BBS and the kind of life that the students will experience throughout their three years in the college. It included several management-related events like Mock Stock, Business Quiz, Ad Mad and Just a Minute activity.

**The Amazing Rush** was one of its kind event organized by the department for the first time and proved to be the largest treasure hunt that Delhi had ever witnessed. With participation from around 40 colleges across Delhi and NCR, the event was a mega success. It had 3 rounds spread over a time span of two days, held at Conference Centre, University of Delhi, North Campus.

**Ecclesia**, the quintessential convention showcases to the corporate world the culture that we, at BBS instill in our students, equipping them with the knowledge to be future leaders. It is during this interaction the students get to know more about corporate sector and the realities they deal with. Ecclesia 2012 1V annual convention of BBS was held at Hotel Le Meridien on 4<sup>th</sup> February on the theme of 'Managing People: Challenge for the Millennium'. The event was graced by the esteemed presence of Mr. Sandeep Dixit, Member of Parliament (Lok Sabha) , Ms.Sutapa Sanyal IPS,Chief security officer,GAIL and Prof. VK Kaul, Dean, Faculty of Applied Science and Humanities. Our speakers for the convention were eminent personalities from the field of HR Management. Mr. Sanjay Maan, CEO Entrepreneur Business, Reliance Communication, Ms. Jayanti Jagannath, Head (HR), North Division, Deloitte Haskins and Sells, Mr. Raj Gupta, Head (HR), TCS, Mr. Harpreet Singh, ED, Educomp Raffles Higher Education Ltd. were among the prominent speakers.

The academic year was interspersed with several seminars and contests. Special sessions were taken by eminent personalities like Mr. Harpreet Singh of Raffles Business School who guided the students on 'Effective ways to approach Group Discussion and Personal Interviews', Dr. Kuriakose Mamkoottam from School of Business Public Policy and Social Entrepreneurship, BR Ambedkar University, Delhi. TIME institute held a University level essay writing competition, considering the fact that leading B-schools have now scrapped the GD/PI process. 2 shortlisted students representing the college. will move on to the next level.

Astral, the ECA society of BBS organized a Business Quiz for the BBS students to test their mettle related to the world of business.

Apart from these activities, a three day trip to Mashobra( Shimla )was organized for the students at the beginning of the year, facilitating informal interaction among the faculty and students.

### **CommUNITY - The Commerce Society**

Starting April 1, 2011, community, the subject society of the Department of Commerce organised a two-day activity entitled Oasis on the theme 'Conscientious Commerce,' i.e. being ethically, socially and environmentally aware, responsible, and, engaged as consumers, investors, business-persons, managers and as corporators. Honourable Justice Shiv Narayan Dhingra inaugurated the activity. He highlighted the importance of conscientious commerce in the context of instances of corporate greed, corruption, scams and scandals and appreciated commUnity's endeavour. The highlight of the inaugural session was a special presentation, entitled 'Music of Conscience, by Delhi Police Band. This was followed by a host of inter-college events that were so designed as to reverberate the theme. To live up to the ideals of conscientious commerce, the winners pledged 15% of the prize money to 'Shikha Pathshala' an NGO imparting education to children and adults in slums. On 22<sup>nd</sup> July, the community organised an impromptu, activity-based, interaction with the freshers at the college basketball court. On



24<sup>th</sup> September 2011, the commUNITY organised freshers' talent hunt and party. With a view to fostering the spirit of CommUNITY Dr. Hem Chand Jain and Mr. Pawan Kumar Jain lead a trip to Jammu.

## **Library**

Our library is fully computerized and all its functions and operations are done through dedicated network of computer systems through the library software. It has up-to-date bibliographic database of books and journals. The library has added 1407 volumes of books so far this year, making its total collection to 35,658 books. The library subscribes to 58 journals & magazines of national and international repute in relevant subject areas. Besides this the library subscribes to 15 national newspapers. It has 498 bound volumes of journals and 600 CD's in its collection.

The library held its orientation program on 20<sup>th</sup>, July 2011, for the students of batch 2011-12. The library has rich and active collection of text-books and reference books which is utilized heavily by the students. During the year 2011, a total of 48,500 transactions (Issue/ Return) were done. The library also provided book bank facility to 72 students belonging to SC/ST/OBC categories and other economically poor and meritorious students of the college.

Further, to complement class-room teaching with e-learning, the library has computing facility comprising of 40 PC with Internet access. Through the University dedicated fibre optics link, the library has access to more than 10,000 peer reviewed journals, e-text books and other educational materials subscribed by University of Delhi. Besides this, library also downloads relevant subject material and other useful information available in public domain on to its local network for students' ready reference.

## **ACHIEVEMENTS OF THE FACULTY**

### **Doctorate**

**Dr. Bala Rajni**, of Department of Computer Science was awarded the degree of Doctor of Philosophy by the Jawahar Lal Nehru University.

**Dr. Bhatia Varnika**, Assistant Professor (Ad-hoc), Department of Botany, Qualified for the award of the Degree of Philosophy (Ph.D) of the University of Delhi in Botany.

**Dr. Sanayaima Devi Rajkumari** of Department of Botany was awarded the degree of Doctor of Philosophy by the University of Delhi.

## Awards & Distinctions

**Dr. Bhardwaj R.M.**, Reader, Department of History was appointed Examiner and also expert of Viva-voce of Ph.D.Thesis from Rashtriya Sanskrit Sansthan, a Deemed University under Ministry of H.R.D., Govt. Of India, New Delhi.

**Dr. Goel Anek** was nominated as manager-cum-coach and accompanied the University of Delhi Squash Racket (Men) team for All India Inter-University Squash Racket (Men) tournament held in Pune University, Pune. The Team secured 2<sup>nd</sup> place.

**Dr. Mishra Anurag**, Reader, Department of Physics & Electronics, reviewed one research paper for ERTI Journal, published from Seoul, Korea.

**Dr. Saxena Ratnesh R.**, Reader, Department of Mathematics was Convener and resource person in a five day national work-shop NUMDECS 2011 organised by Deen Dayal Upadhyaya College and sponsored by UGC, from February 1-5<sup>th</sup>, 2011. He was also awarded Minor Research Project in the year 2011 by UGC for Integer Fuzzy Programming. He has been teaching Post graduate students at Dept. of Mathematics, University of Delhi. He has been supervising five students for M.Phil and Doctoral Program in the Department of Mathematics, University of Delhi.

**Dr. Saxena Manoj**, Reader, Department of Physics & Electronics has been Member-Review Committee for the International Conference on “Latest Trends in Nanoscience and Nanotechnology (ICNSNT)”, 28<sup>th</sup> -29<sup>th</sup> March 2011, Karnataka, India.

He was the Reviewer of The SPRING 9th International Conference on Computing, Communications and Control Technologies : In the Context of The 2nd International Multi-Conference on Complexity, Informatics and Cybernetics: IMCIC 2011, March 27th - 30th, 2011 ~ Orlando, Florida USA, The 4th International Multi-Conference on Engineering and Technological Innovation: IMETI 2011, July 19th - July 22nd, 2011 – Orlando, Florida, USA., International Symposium on Models and Modeling Methodologies in Science and Engineering: MMMse 2011 in the context of The 15th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2011, July 19th - July 22nd, 2011 – Orlando, Florida, USA., IET Micro and Nano Letters, Semiconductor Science Technology, Institute of Physics (IOP), UK, Measurement Science and Technology Institute of Physics (IOP), UK. He is also Member of Editorial Board of International Scholarly Research Network (ISRN) –Electronics & MInstP - Member – Institute of Physics (IOP), UK in May 2011.

He has supervised two under-graduate for their Summer Research Fellowship Sponsored by Indian Academy of Sciences (IAS), National Academy of Sciences, India (NASI) & Indian National Science Academy (INSA).

## Conferences / Workshops attended

**Dr. Bhardwaj R.M.**, Reader, Deptt. of History, attended a two-day national Seminar on “Discovering Delhi Through the Ages” on 28<sup>th</sup>-29<sup>th</sup> September, 2011 at Shivaji College, University of Delhi, Delhi. He also delivered a talk on ‘Social Implications of Buddhist Logic with special reference to Dharmakirti During Early Medieval India’ at Nehru Memorial Museum and Library at Teen Murti Bhavan, New Delhi on 20<sup>th</sup> December, 2011.

**Dr. Bhatia Varnika**, Assistant Professor (Ad-hoc), Department of Botany, attended a workshop on ‘Scientific Paper Writing’ organized by the National Academy of Sciences, India (NASI) from October 22-24, 2011 at Allahabad. She also attended workshop-cum-training on ‘Bioinformatics Application in Agricultural Sciences’ sponsored by the Department of Biotechnology, Government of India from December 14-16, 2011 at Unit of Simulation and Informatics, IARI, New Delhi.

**Dr. Mehra Yogeita**, Reader, Department of Business Studies, presented a paper titled, “Operational Risk Management : Evaluating Indian Bank’s ability to use BEICFs for AMA” at India Finance Conference 2011 held at Indian Institute of Management Bangalore from 21-23 December 2011.

She also presented a paper titled, ‘Economic Growth and the challenges of fiscal deficit’, at National Seminar organised by SGGGS College of Commerce, University of Delhi from 23<sup>rd</sup> -24<sup>th</sup> February 2012 and her paper has been awarded the Best Paper.

**Dr. Mishra Anurag**, Reader, Deptt. of Physics & Electronics was co-organizer at the 4<sup>th</sup> International Conference on Data Management (ICDM 2011) during 17-19 November, 2011 at IMT Ghaziabad.

**Dr. Saxena Manoj**, Reader, Department of Physics & Electronics acted as Program Committee Member in International Conference on Soft Computing for Problem Solving (SoCProS 2011), Roorkee, India, December 16-18, 2011, was Member-Organizing Committee - International MOS-AK/GSA (India) workshop in March 16-17, 2012 in IIIT University, Noida, Uttar Pradesh, India. He was also Organizing Committee Member – National Seminar on Recent Advances in Microelectronics Devices, organized by Department of Electronics and Communication Engineering, Maharaja Agrasen Institute of Technology, Delhi sponsored by Defence Research and Development Organization Ministry of Defence, Government of India and Convener - Science Academies Lecture Workshop On Frontiers in Science & Engineering- Opportunities for Graduates, February 17-18, 2012, SP Jain Centre Auditorium, University of Delhi South Campus, New Delhi.

He has also organized National Level Talks/ Lectures, Dr. Rakesh Kumar, Fellow IEEE, President & CEO, TCX Technology Connexions, VP & President-elect (2010-11), IEEE Solid-State Circuits Society gave IEEE DL on Fabless I.C. Implementation Challenges & Opportunities on 2<sup>nd</sup> September, 2011 at University of Delhi South Campus, and lecture by Professor Vijay K. Arora, from Division of Engineering, Wilkes University, Wilkes-

Barre, PA 18766, USA gave an IEEE EDS Distinguished Lecture on Drift-Diffusion to Ballistic Transport in Low-Dimensional Nanostructures on January 13, 2012 at University of Delhi South Campus, New Delhi.

**Dr. Saxena Ratnesh R.**, Editor of proceeding of a five day National Workshop NUMDECS 2011, sponsored by UGC, from February 1-5<sup>th</sup>, 2011.

**Mr. Sinha Abhijeet, Librarian**, participated in “National Seminar on Technical Terminology in Indian Languages” held at Vigyan Bhawan during 27-04-2011 to 29-04-2011, organised by Commission for Scientific & Technical Terminology, Ministry of Human Resource Development, Govt. of India.

He also participated in 56<sup>th</sup> All Indian Library Conference on “Public Libraries of the Future: Opportunities and Challenges”, held during 21-23 July 2011, organised by O.P. Jindal Global University, Sonapat and Raja Rammohun Roy Library Foundation.

### **Research Projects**

**Dr. Saxena Manoj**, Reader, Department of Physics & Electronics is the Co-Principal Investigator in UGC, Govt. of India sponsored research project entitled Modeling and simulation of Nanoscale Dual Material Gate Insulated Shallow Extension Silicon on Nothing MOSFET for Low voltage low power applications & Co-Project Investigator in a DRDO sponsored Project entitled Physics Based Modeling and Simulation of Sub-100 nm recessed channel (RC) and insulated shallow extension (ISE) MOSFET with gate electrode work function engineering structures for high performance applications.

### **Papers presented in Symposia / Seminars / Conferences**

**Dr. Bhardwaj R.M.**, presented a paper ‘Interpreting Religious Vratas and Utsavas in Sanskrit poetic and Semi-historical Texts belonging to the fifth and twelfth centuries A.D. in the section Epigraphy jointly hosted by International Association of Sanskrit Studies(IASS) and Rashtriya Sanskrit Sansthan (a Deemed University under M/o H.R.D. Govt. Of India, at Vigyan Bhavan, New Delhi from Jan.5<sup>th</sup>-10<sup>th</sup>., 2012.

He also presented a paper entitled ‘Social Implications of Buddhist Logic with special Reference to Dharmakirti During Early Medieval Period’ at a national Seminar on ‘The Buddhist Heritage of Magadha’ at Nava Nalanda Mahavihara ( Deemed to be University under Ministry of Culture, Govt. Of India), Nalanda, Bihar, 12<sup>th</sup>-14<sup>th</sup> Feb.2012.

Charu Agarwal, **Mishra Anurag** and Arpita Sharma, Digital Image Watermarking in DCT Domain Using Fuzzy Inference System published in the Proceedings of 24<sup>th</sup> IEEE Canadian Conference in Electrical and Computer Engineering 2011 (CCECE 2011) held at Ontario, Canada, May 8-11, 2011, pp. 822-825

Charu Agarwal, **Mishra Anurag** and Arpita Sharma, Genetic Algorithm - Backpropagation Network Hybrid Architecture for Grayscale Image Watermarking in DCT Domain published in the Proceedings of the 7<sup>th</sup> IEEE International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP-2011), October 14-16, 2011, Dalian, China pp. 177-180

**Mehra Yogeita**, Paper titled “Operational Risk Management: A Study of Practices in Indian Banks”, published in *Prajnan*, Vol.XL, No.3, 2011-12, National Institute of Bank Management, Pune.

**Saxena Ratnesh presented a research paper** entitled “Set Covering, Set Partitioning and Set Packing Problem with Linear Fractional Objective Function” at International conference on applied Operational Research (ICAOR'-11), Bahcesehir University, Istanbul, Turkey, August, 2011. *He also presented research papers* entitled below at the XXXIV Annual ORSI Convention and International Conference on Operations Research , India, January 2012 :

- a) “Linearization Technique for Solving Quadratic Fractional Set Covering, Partitioning and Packing Problems”.
- b) “Multi Objective Linear Set Covering Problem with Imprecise Objective Functions”.

**Singh Kulvinder and Manoj Saxena**, Stability Study on Ceramic Mercuric Iodide (Red) X-Ray Sensor, XVI International Workshop on the Physics of Semiconductor Devices, IWPSD 2011, December 19-22, 2011, IIT Kanpur.

**Soni Anuja**, presented the paper “Identifying an Appropriate Requirements Prioritization Methodology using Fuzzy Decision-Making “ in Fifth International Conference on Information Processing - 2011 held on Aug 5-7 in Bangalore India.

**Soni Anuja** presented the paper “Evaluating Degree of Dependency from Domain Knowledge using Fuzzy Inference System” in First International Conference on Computer Science, Engineering and Information Technology (CCSEIT-2011) held on September 23-25, 2011 in Tirunelveli, Tamil Nadu India.

Vibha Gaur, **Soni Anuja**, Identifying an Appropriate Requirements Prioritization Methodology using Fuzzy Decision-Making, 2011, CCIS 157, pp. 258–268, 2011, Springer Verlag

Vibha Gaur, **Soni Anuja**, Evaluating Degree of Dependency from Domain Knowledge using Fuzzy Inference System, Springer in CCIS Series, 204, pp. 101–111, 2011 CCSEIT-2011

## Articles in Journals / Periodicals

**Bhatia Varnika**, published a review article ‘Aphid resistance in *Brassica* crops: bottlenecks, biotechnological progress and future possibilities’ in an international journal ‘Biotechnology Advances 29 (2011) 879–888’.

**Khanuja Manika**, Kala S., Sengar S. and Mehta BR; 2011 “Interaction of Hydrogen with Rare earth and Palladium Nanoparticles : Basic Issues and Novel Devices” Review Article: Proc Indian Natn Sci Acad Vol. 77, No. 2, June 2011.

**Khanuja Manika**, Shrestha S., Mehta BR, Kala S., and Kruis FE; 2011 “Magnitude and time response of electronic and topographical changes during hydrogen sensing in size selected palladium nanoparticles” Journal of Applied Physics Vol. 110, pp. 014318, July 2011.

**Kumar Rakesh** and Mohammad Tamimi “Economic Growth, Expected Stock Returns and Volatility-A Case of Indian Stock Market”, International Journal of Applied Economics and Finance, Vol 5 (4), 2011.

**Kumar Rakesh** and Mohammad Tamimi “International Oil Price Volatility and World Equity Markets’ Behaviour-An International Evidence”, Journal of Applied Research in Finance, Vol 3 (2), 2011.

**Mehra Yogeita**, Paper titled, “Operational Risk Management : A Survey of Systems, strategies and preparedness of Indian Banks”, published in Indian Journal of Finance, Vol.5 No.5 May.

**Mishra Anurag**, Aruna Jain, Manish Narwaria and Charu Agarwal, An Experimental Study into Objective Quality Assessment of Watermarked Images, *International Journal of Image Processing (IJIP)*, Volume 5(2) 2011, pp. 199 – 219

Vikash Chaudhry, **Mishra Anurag**, Rajesh Mehta, Monica Verma, Ram Pal Singh and Navin Rajpal, Watermarking of Grayscale Images in DCT Domain Using Least-Squares Support Vector Regression, **Accepted for publication in Journal, Procedia Engineering**, (ISSN:1877-7058, ELSEVIER), indexed by SCOPUS, Ei Compendex and Thomson ISI.

**Saxena Ratnesh**, Measuring Efficiencies in Indian Public Road Transit: A Data Envelopment Analysis Approach,” OPSEARCH, Vol.47, Issue 3, pp.195-204, India 2011.

**Saxena Ratnesh** “Set Covering, Set Partitioning and Set Packing Problem with linear fractional objective function”, Lecture notes in Management Science, Tadbir Institute for Operation Research, Iran-2011.

**Saxena Ratnesh** “Relation between set partitioning and set covering problems with quadratic fractional objective functions” OPSEARCH, Vol.48, Issue 3, pp.247-256, India 2011.

Narang Rakhi, **Saxena Manoj**, Gupta R.S. and Gupta Mridula 2011, Effect of Temperature and Gate Stack on the Linearity and Analog Performance of Double Gate Tunnel FET, Trends in Network and Communications, Proceedings of International Conferences, NeCOM, WeST, WiMoN 2011, Chennai, India, July 15-17, 2011, Edited by David C. Wyld, Michal Wozniak, Nabendu Chaki, Natarajan Meghanathan and Dhinakaran Nagamalai, Communications in Computer and Information Science, Volume 197, Part 2, 466-475, 2011.

Kumari Vandana, **Saxena Manoj**, Gupta R.S. and Gupta Mridula 2011, Channel Material Engineered Nanoscale Cylindrical Surrounding Gate MOSFET with Interface Fixed Charges, Trends in Network and Communications, Proceedings of International Conferences, NeCOM, WeST, WiMoN 2011, Chennai, India, July 15-17, 2011, Edited by David C. Wyld, Michal Wozniak, Nabendu Chaki, Natarajan Meghanathan and Dhinakaran Nagamalai, Communications in Computer and Information Science, Volume 197, Part 2, 476-485, 2011.

Gautam Rajni, **Saxena Manoj**, Gupta R.S. and Gupta Mridula 2011, Impact of Interface Fixed Charges on the Performance of the Channel Material Engineered Cylindrical Nanowire MOSFET, International journal of VLSI design & Communication Systems (VLSICS ), Vol. 2, No. 3, pp. 225-241, September 2011.

Narang Rakhi, **Saxena Manoj**, Gupta R.S. and Gupta Mridula 2011, Linearity and Analog Performance analysis of Double Gate Tunnel FET: Effect Temperature and Gate Stack, International journal of VLSI design & Communication Systems ( VLSICS ), Vol. 2, No. 3, pp. 185-200, September 2011.

**Singh Kulvinder** and **Saxena Manoj** 2011, Fabrication and Time Degradation study of Mercuric Iodide (Red) Single Crystal X-Ray Detector, J. Nano- Electron. Phys.3 (2011) No. 1, pp. 802-807, 2011.

Gautam Rajni, **Saxena Manoj**, Gupta R.S. and Gupta Mridula 2011, High Sensitivity Photodetector Using Si/Ge/GaAs Metal Semiconductor Field Effect Transistor (MESFET), International Conference on Light :Optics 2011: Phenomenon, Materials, Devices and Characterization, Kerala, (India), 23–25 May 2011, AIP Conference Proceedings Volume 1391, pp. 232-234.

Kumari Vandana, **Saxena Manoj**, Gupta R.S. and Gupta Mridula 2012, Simulation Study of Insulated Shallow Extension Silicon On Nothing (ISESON) MOSFET for High Temperature Applications, Microelectronics Reliability.

Gautam Rajni, **Saxena Manoj**, Gupta R.S. and Gupta Mridula 2012, Two Dimensional Analytical Subthreshold Model of Nanoscale Cylindrical Surrounding Gate MOSFET Including Impact of Localised Charges, Journal of Computational and Theoretical Nanoscience (CTN).

Narang Rakhi, **Saxena Manoj**, Gupta R.S. and Gupta Mridula 2012, Dielectric Modulated Tunnel Field Effect Transistor - A Bio molecule Sensor, IEEE Electron Device Letter.

## **Books**

**Dr. Bhardwaj R.M.**, Three articles entitled ‘ Dipankar Sri jnana’, ‘Dharmakirti’ and ‘Tibet’ have been accepted for publication in a book ‘Encyclopedia of Indian Religions’ to be published by the Springers, Heidelberg, Germany.

## **Promotions**

Dr. Sachin Mittal and Dr. Manoj Saxena have been promoted as Readers in their respective Departments.

## **Career Counselling & Placement Cell**

273 students of our college registered for the Central Placement Cell (CPC), University of Delhi for the year 2011-2012 against 239 for the year 2010-2011. WIPRO-BPO, GENPACT, WNS Global Services (P) Ltd, Infinity Business School hired 52 students. During February 28<sup>th</sup>-29<sup>th</sup>, 2012 and March 1<sup>st</sup> 2012, the Career Counseling Cell organized “**Cognizance**” - a three day Documentary Film Festival for students of the college. The financial assistance was provided from the grants received by the college under UGC merged scheme. The event was a great success, as there was a large turnout of audience for the event. Around 80 students were present every day. Apart from students from Deen Dayal Upadhyaya College, students from Ambedkar University, Jawahar Lal Nehru University, Bharti College and Bhaskaracharya College participated in the event.

The Career and Counselling Cell of the College also organized **Joint Science Academies Lecture Workshop On Frontiers in Science & Engineering - Opportunities for Graduate**. The workshop was sponsored by IEEE EDS Delhi Chapter, New Delhi and was held during February 17-18, 2012 at SP Jain Centre Auditorium, University of Delhi South Campus, Benito Juarez Road, Dhaula Kuan, New Delhi. The Workshop was inaugurated by **Dr. Krishan Lal, President-INSA, New Delhi**. In all 162 students and faculty members from 27 different institutions attended the workshop.



## **Academic Achievements**

The Pass percentage in the University examination rose to 93.6% this year as against 88% of the previous year with 40% students passing in First division. Five students stood first in the University of Delhi in Annual/Semester examination held by the University and two secured second position. Mandeep Khatri of B.Sc. – Appl. Phy. Sc. – I yr. stood First in University of Delhi with 73% marks while Japneet Singh of the same course stood Second with 72% marks. Abhinav Sharma topped the University in the BBS – Sem. V examination with 91% marks while Akshat Jain stood Second with 86% marks in the same examination. In BBS – II Sem., Shivam Gupta stood First in the University with 87% marks. In B.Sc. (Hons.) Comp. Sc. – II Sem. Ashutosh Sharma stood First in the University securing 89% marks. Abhinav Sharma emerged as the topper of BBS – Final with 84.5% marks.

They all deserve to be complemented for the Excellent performance.

**Tennyson in his poem “Ulysses” has beautifully described the purpose of life.**

**- the purpose of life lies in chasing knowledge beyond the human thought.**

**Knowledge is vast and one life too short a time to know all that is to be found. The true significance of life lies in constantly pursuing knowledge without stopping or pausing.**

Thank you,