

## ANNUAL REPORT

Today, we celebrate the twenty second Annual Day of the college. It is a great occasion when the twentieth batch of our students will be receiving their graduation degrees. It is a privilege and a moment of pride for all of us to welcome our Chief Guest Prof. Mool Chand Sharma Vice Chancellor Central University of Haryana, Guest of Honor *Padmashri* Geeta Chandran, Ms Santosh Sarin Chairperson and Shri Amritanshu Treasurer of the Governing Body of our college, all our esteemed guests, parents, old students who are present here with us, faculty and staff and the present students of our college.

I would like to briefly introduce our Chief Guest Prof. Mool Chand Sharma, Professor of Law at Delhi University, who is presently the Vice Chancellor, Central University of Haryana. Earlier, he has been the Vice Chairperson of University Grants Commission (UGC) and prior to holding post of Secretary, UGC, he was Director of National Law University, Bhopal. Prof. Sharma is well known for his eminence in constitutional jurisprudence and human rights and possesses vast experience in Educational Policy making and Higher Education Administration.

Prof. Sharma earned his doctorate in judicial science from North-Western University, Chicago, USA and has been recipient of numerous prestigious scholarships such as Senior Full Bright Scholarship, Indo-US Research Fellowship and McSweeney Fellowship. He has been Visiting Fellow and Teaching Fellow in number of universities abroad including University of Chicago, George Town University, Washington; University of Lexington, University of Kentucky, USA and University of Leiden, Netherland.

Prof. Sharma's publications cover issues like poverty, development and human rights. He has four books to his credit and has published research articles in journals of international and national repute. His work "Rule of Law, Democracy and Human Rights" (2005) has been widely acclaimed.

Apart from being Director, National Law University, Bhopal, Prof. Sharma has served as Proctor of Delhi University for more than 5 years. He also had a small stint as Registrar of Delhi University and was Officer on Special-Duty for Academic affairs of Delhi University for more than 3 years. He was also in charge of International collaboration of Delhi University for about 2 years and occupied various other positions in Delhi University.

Our guest of Honor *Padmashri* Geeta Chandran is a celebrated artist and a star-performer. The name "Geeta Chandran" is synonymous with the Indian classical dance: Bharatanatyam. She began learning Bharatanatyam from the tender age of 5 years under the tutelage of Smt. Swarna Saraswathy, who hailed from the traditional Thanjavoor dasiparampara. Subsequently, Geeta continued learning diverse aspects of classical dance from a galaxy of eminent Gurus. A top graded dancer at Doordarshan and at the Indian Council for Cultural Relations (ICCR), Geeta is recipient of several prestigious awards including the Lady Shri Ram College Illustrious Alumna Award, the Dandayudhapani Pillai Award, the Bharat Nirman Award, the Natya Ilavarasi, the Indira Priyadarshini Award, the Media India Award, the National Critics Award, the Sringer Mani and the Natya Ratna. She is also the Founder-President of Natya-Vriksha, an organization

devoted to promoting Bharatanatyam. Geeta has evolved a holistic style of teaching the classical dance which engages young learners. She has presented the arangetrams (debut performance) of over 30 senior disciples who continue their training under her and she continues to mentor over one hundred disciples; several of her students have blossomed as full-fledged performers.

In recognition of her vast and varied contribution to Bharatanatyam, Geeta was awarded the prestigious national award the Padma Shri by the President of India in 2000.

At this juncture, I would like to share with our guests, the progress and the activities of the college.

This year our college shifted into a new complex at Vasundhara Enclave which is built on 9.5 acres of land with separate administrative and academic block, hostel for hundred girls and quarters for non-teaching employees. The administrative block has a three floored air conditioned library and three e-libraries. In addition we have an auditorium for nearly 550 students and amphi-theatre for nearly 800 students. We have separate conference and committee rooms. The academic block has a canteen, a pilot plant (Food Technology) with one student's common room and parking lot at the basement. Further we have three seminar rooms and well equipped biology, physics, chemistry, biochemistry, electronics, food technology, instrumentation, biomedical and mathematics laboratories. The infrastructure is one of the best among the colleges of University of Delhi.

The college is presently running five undergraduate courses B.Sc. (Hons) in Electronics, Instrumentation, Food Technology, Computer Science and Biomedical Science. Over a decade, the college has established itself as one of the leading institutes contributing human talent in applied sciences to the industry. The college prepares young women graduates who are enthusiastic, well trained in their area of specialization, confident and competent to face the industry and other institution of higher learning. The curriculum is interdisciplinary in nature which includes both basic as well as applied aspects. The students are encouraged to undergo industrial training during their summer vacation which enables them to develop and polish the various kinds of skills as required by the industry.

New Product Development is taken up as a project in B.Sc. (Hons.) Food Technology III year, to improve the creativity and analytical skills of students. This year, Food Technology students have developed various new products such as Bitter gourd chips, Bitter Gourd jam, Sapota jam, Lotus Stem chips, Carrot jam, Guava bar, Papaya Nectar, Gluten free biscuits, Oat Methi Crackers, Soya Khoya, Banana Choco spread and many more. These products have been highly appreciated and have generated lot of curiosity among industry representatives visiting the college.

We also have an IGNOU center for BLIS and MLIS and CICTAL, (Certificate in Information and Communication Technology Application in Library). Our college is the only center for M.Lib in Regional Centre-II region. There is another IGNOU Diploma Course "*Value Added Product from Fruits and Vegetables*" run by our Department of Food Technology.

In collaboration with CISCO, the Cisco Networking Academy Program (CNAP) is being run in the college and the college has set up a CISCO Local Networking Academy Centre since September 2002. Our Local Academy is running the program at no profit basis as majority of our students are from middle and lower income group. In all a total 90 students have graduated from our academy centre and I am glad to inform that many of them are well placed in companies like HCL, Hughes, and Infosys etc. The academy curriculum is updated every six months by CISCO, considering the latest trends in computer networking.

The college also runs programs for Centre for Entrepreneurship and Career Oriented Program (CECOP), University of Delhi. This centre was started with an aim to conduct short term courses which would impart suitable skills to unemployed graduates or those pursuing graduation. Prof. S. Neel begum is the Hon. Chairman and Dr. S. Lakshmi Devi is the Hon. Director of this centre. We are planning a number of short term courses during the summer vacations.

## **Departmental Activities**

### **Electronics**

Department of Electronics organizes short term courses from time to time. This year the department organized a workshop along with Department of Computer Science in collaboration with IIT Kharagpur, AIESEC and ARK Techno Robotics. Besides this the department organized annual technical fest "Electromania 2013". The event highlighted a lecture by Mr. J. V. Chaudhary, Joint Director, DRDO, on "Bionic Eye" followed by various technical events.

### **Instrumentation**

An innovation project "*An Assessment of consumer's exposure to pesticides in conventional vegetables sold with the 'organic' tag in Delhi – NCR region, India*" has been sanctioned by University of Delhi under the Vice Chancellor's Innovation Project scheme. Our college faculty members, Laboratory staff and students are working on the project.

The Department organized one day technical festival "TECHNEXUS". The event was inaugurated by Prof. P. K. Bhatnagar, Head, Department of Electronic Science, South Campus, followed by talk on "Nanotechnology". Dr. SaleemJaved, Associate Professor, JamiaHamdard University, enlightened the students with his lecture on "Emerging trends in Biosciences". Various competitions like Mind Boggler Quiz, Embedtronix, Spy Hunt and Satire were also organized.

### **Food Technology**

World Food day was celebrated on 16<sup>th</sup> October 2012 at NCUI Auditorium, Delhi in collaboration with NCUI and AFST (Delhi).The Honorable Minister of Food &Agriculture, Shri Harish Rawat inaugurated the event and delivered keynote address. The event was observed along with various inter-college competitions.

The faculty and students attended national conference on Ushering second green revolution in Indian agriculture through public private partnerships organized by CII in December 2012 and a one day seminar on Food Safety -*Role of standards conducted by BIS on 12th December 2012*, inaugurated by the Honorable President of India.

Faculty and students went for excursion to NDRI, Karnal where they visited various dairy plants, milk units and appreciated technical knowledge of dairy equipments. They also attended two days International Conference on Food processing, value chain management and food safety at NIFTEM (Kundli) from 10<sup>th</sup> – 11<sup>th</sup> January 2013. The students presented “Novel Food Products” during Antardhwani and were very well motivated by the appreciation received.

Further, our students MsShwetaSrivastava and MsPrahasthiYadav won ‘Best Presenter Award’ in the student academic congress held on 21<sup>st</sup> March 2013 at Maharaja Agrasen College, Delhi. They presented a paper entitled “*Semester System: an Affliction*”.

### **Computer Science**

The department organized its first two day inter-college IT fest TECHMELANGE. The event was inaugurated by Honorable Chief Guest Prof. P. K. Hazra, Head, Department of Computer Science, North Campus, University of Delhi. About 15 technical events were organized including IT Quiz, C++ Programming, Software Engineering Problem Solving, E-tambola, and Treasure–hunt. Students from over 17 colleges namely AIACTR, JSS Noida, JSSATE Noida, CDAC, Computer Department (University of Delhi), PGDAV, Sukhdev College of Business Studies, Indira Gandhi Institute of Technology, Northern India Engineering College, MGM Noida, and USIT participated to make the event a great success.

Computer Science Department along with the Electronics Department organized the workshop on Robotics in the college. Students of VI Semester won the prelims of National Robotics Championship 2013 at AIESEC-IIT Kharagpur and were selected for the final round of NRC 2013 at AIESEC – IIT Kharagpur. In Antardhwani 2013organised by University of Delhi, students of Computer Science Department have come up with flying colors: MsDeepika Sharma of I year won first prize in University Flower Show under category ‘D’ , Section ‘7’. MsDivya Sharma of II year won Second prize in *Marriage Decoration* event. Ms Tanya Seth and MsRitika Sharma students of I year won Second prize in *Rangolicompetition*.

### **Biomedical Science**

“Chimera”, the Biomedical Science society of Shaheed Rajguru College of Applied Sciences organized its technical fest ‘PLEXUS-2013’ on 10<sup>th</sup> January 2013 with the theme “IMMUNOLOGY”. The event started with the inspirational talk of Dr. S. Lakshmi Devi who inspired and encouraged the students. The guests of honor for the event were Dr. SatyajitRath from National Institute of Immunology who delivered a lecture on the topic “Jaws and pouches: Evolution of Animal Body Design and Immunity” and Prof. Krishnamurthy Natarajan from Dr. B. R. Ambedkar Centre for Biomedical Research who gave a lecture on the topic “Balancing Immunity Intolerance: Dendritic Cells hold the key”.

## **Placement and Career Counseling Cell**

The college has a very active and vibrant Placement and Career Council Cell. The prime objective of the Cell is to facilitate its graduating students to seek training and jobs in industry by providing a meeting ground where the prospective employer companies can identify suitable candidates for placement in their organization. Industry is invited for Pre Placement Talks during which they are required to give a presentation of their company profile, recruitment needs, and compensation package and so on. This is followed by interviews at a later stage. The Placement Cell also updates the students about the changing recruitment needs of the industry.

The Career Counselling Cell in collaboration with CECOP conducted various seminars and workshops pertaining to career aspirations of the students.

This year students of Shaheed Rajguru College of Applied Sciences for Women were selected by reputed companies like iGatePatni, WIPRO Ways, DMRC, WIPRO Vista etc. This is a glimpse of the determination with which the college want to place its students in best of the industries and companies.

The college has excellent well equipped laboratories.

### **Electronics Laboratory**

The Department laboratory is fully air-conditioned, well equipped with instruments like Digital Storage Oscilloscopes, Arbitrary Function Generators, Multimeters, Power Supplies, sophisticated 8086 Microprocessor Trainer Kits, Multisim software, Optical Work Bench, Spectrometer, Iodine Spectrum, Hydrogen Spectrum etc.

### **Instrumentation Laboratory**

The Department has established four major laboratories which have been equipped according to our curriculum: Analytical and Biomedical Instrumentation Laboratory supported by a Wet Laboratory, Electronics and Electrical Machine Instrumentation Laboratory, Industrial Instrumentation Laboratory and Microprocessor Laboratory. various new equipments have been added into the laboratories as per the requirements of our new semester syllabus namely: Rotatory vacuum evaporator, single and three phase motors, DC series and shunt motors, DC motor by SCR, analog and digital Oscilloscope, orifice meter, EM flow meter, pressure gauge calibrator, level transmitter, ultrasonic flow meter, DC meter calibration, ration Controller, circular chart recorder, thermocouple calibration unit, RTD calibration unit and conductivity meter calibration unit, ELISA reader, HPLC, GLC, Karl Fischer Titrator, Microprocessor controlled pH meter, UV-Vis Spectrophotometer, Photometer, Flame Photometer, FTIR Spectrophotometer, Biomedical Scanner, blood pressure measurement instruments, glucometer and PCR machine.

### **Food Technology Laboratory**

The department has Analytical Lab, Food Microbiology Lab, Food and Nutrition Lab, Food Engineering Lab and Analytical Instrumentation Lab. The analytical labs have Moisturometer, bursting strength tester, vacuum oven, Brookfield viscometer, abbes Refractometer, Penetrometer, Hydrometer, Soxhlet unit U-V visible Spectrophotometer, Dehydrator etc. Bakery unit has planetary baking ovens, Dough Kneader, Bread Slicer, Sugar Grinding Mill, Kitchen Aid Mixer etc. Microbiology lab has autoclaves, Incubators, Binocular Microscopes, BOD incubator, Air Sampler, Millipore Filtration Assembly, Laminar Air Flow Chamber, electronic colony counters etc. The advanced facilities include HPLC system, Texture Analyser, Atomic Absorption Spectrophotometer, Rancimat, Fat Analyser, Protein Analyser and R.O. Plant.

### **Computer Science Laboratory**

The Department has excellent infrastructure for upgrading software skills using the latest software development tools and technologies. There are five computer labs supporting Database management Systems, Data Structure/Computer Graphics/ Network Lab, UNIX/System Software Lab, Algorithms/Project Lab and CISCO Lab. All the systems have Wi-Fi connectivity. Every lab is equipped with LCD projectors which are used as a teaching aid for seminars and presentations. To enhance the spirit of research work among the students the labs are equipped with internet facility and provide access to many e-journals to the students. The Department has number of utility rooms such as server room, UPS room, teaching rooms and technical staff room. The laboratories are managed by the skilled personnel that include the Technical Assistant, Scientific Assistant, Lab Assistant, Lab Attendant.

### **Biomedical Science Laboratory**

The department has four laboratories named as Biotechnology Laboratory, Microscopy Lab, Biochemistry Lab and a research lab. All the labs are well equipped with latest State of Art equipments like: UV-VIS Spectrophotometer, UV Transilluminator, Horizontal and Vertical Electrophoresis assemblies, Bio safety cabinets, Autoclaves, Microscopes, Orbital Shaking Incubator, Microtome, Western Blot apparatus, ELISA Reader, Thermo cycler (PCR machine), Physiological Data Acquisition System etc. The department has a well equipped culture room also for microbial cultures.

The laboratory infrastructure of the college has left no stone unturned to provide the students with the latest instruments. College tries to provide a “mini research” platform to the developing young and creative minds. The main aim of the college is to bridge the gap between the industry and university so that lacunae due to conventional pure science can be filled by good practical training.

### **Library**

The College library has approximately 15000 books, many scientific encyclopedia and periodicals covering all aspect of fundamental science, such as Electronics, Instrumentation, Food Technology, Computers Science, Biomedical Sciences, Biology, Biochemistry, Chemistry, Physics etc. The Library

offers excellent services like current awareness, selective dissemination of information, literature search, reference, newspaper clipping service etc. Library is fully computerized, using CapsLib, a graphical user interface library automation software package. This software is our indigenous product. The circulation of books is done through the barcode reader and also classification of books done by the on line CD-Net of DDC CD version.

The library subscribes to a large number of Electronics Resources through UGC-Infonet and University of Delhi connectivity. Its includes 11 Online Databases on Reference & Citation Sources, 7 online Databases on Bibliographic Sources, 2 Online Databases on Citation Analysis Resources, 5 online Databases on Financial and Statistical Sources, Single databases on Doctoral Theses and 77 online Databases on Full Text Sources. This includes around **43281** e-journals available in the present library with three WiFi computer laboratory comprising 80 computers.

The library has digital materials on its institutional repositories like New Product Development done by the 3rd year student of Food Technology, Other Important project reports, question papers, syllabus etc. have also been digitized by the library.

Besides this the library has 3 laboratories (e-Library-1, e-Library-2 and e-Library-3) providing computational facility of approximately 80 computer nodes interconnected via LAN. These nodes are running on the Windows 2000/Windows XP/Windows 8 platform and are equipped with state of art software. The library lays great emphasis on e-resources. While laboratories are also used for developing skills to use and apply various concepts, tools and techniques, their main purpose is to develop the core technical as well as general professional competencies through experiential and collaborative learning.

## **ACADEMIC ACHIEVEMENTS OF THE STAFF**

### **Dr.S.Lakshmi Devi, Principal**

Invited lectures/ talks delivered / workshop attended:

- Presented a paper entitled “Swami Vivekananda’s message to the would be teachers organized by the Teacher’s Training Institute Janakpuri Delhi. On 6th January, 2012.
- Presented a paper entitled “Health and Nutritional Status of adolescent girls and women in India in All India Women’s conference (AIWC) on 31<sup>st</sup> January 2012.
- Presented a paper entitled “Food Hygiene and Microbiology” in the International Training Program on “Upgradation of Food Testing Skills of Food Processing Professionals” at Shri Ram Institute of Industrial Research, Delhi on 8<sup>th</sup> February, 2012.
- Was invited by the University Women’s Association, Delhi to talk on “Women and Science” in the national conference held on 22<sup>nd</sup> Feb, 2013.

- Was invited by the University Women's Association, Pune to talk on "Women and Science" on the occasion of celebration of Women's Day on 13<sup>th</sup> March, 2013.
- Was invited to deliver a special lecture on "Technology, Innovation and Sustainability" in National Aids Research Institute on 15<sup>th</sup> March, 2013.

**DrRanjana Singh, Associate professor, Department of Food Technology**

- Presented a paper entitled on "Development, Nutritional Evaluation and shelf life study of Soy – fortified Biscuits" at World Soybean Research Conference – IX – at Durben, South Africa in February 2013.

**Dr. JasjeetKaur, Associate Professor, Department of Chemistry**

- Was sanctioned a research project by University of Delhi, entitled, "An Assessment of consumer's exposure to pesticides in conventional vegetables sold with the 'organic' tag in Delhi – NCR region, India.
- Published a research paper entitled, a novel fluorescent small particle reagent for detecting latent fingerprints on wet non – porous items in Egyptian Journal of Forensic Science, Volume 2, 2012.

**DrAmitaKapoor, Assistant Professor, Department of Electronics**

- Organized a workshop on Robotics in association with NRC India, ARK techno solutions and IIT Kharagpur.
- Promoted to Associate Professor.
- Attended one day Cisco Academy Conference organized by Cisco.
- Was invited to chair the position of Judge for Robo Games Championship 2013 at VishwaBharati Public School.

**Ms. DayaBhardwaj, Assistant Professor, Department of Instrumentation**

- Sanctioned a project "An Assessment of consumer's exposure to pesticides in conventional vegetables sold with the 'organic' tag in Delhi – NCR region, India under VC innovation project scheme, 2012.
- Participated in training course on GC and HPLC techniques organized by "The Energy and Resources Institute, New Delhi from 16 – 21 July 2012.
- Attended refresher course on "Environmental Studies" organized by CPDHE, University of Delhi from 7 – 28 January 2013.
- Published a review paper "Phytochemical and pharmacological studies in genus Berbis" in journal Phytochemistry Reviews (2013), DOI 10.1007\_s11101-013-9272-x (Impact factor: 4.333).



- Delivered a lecture on “Quality control and standardization of medicinal plants and their drugs” to the participants of DBT sponsored Short term training course on “Bio - prospecting of Medical Plants” organized by the Energy Resources Institute ( TERI), New Delhi.

**Dr. Projes Roy, Librarian**

- Presented Paper at “4<sup>th</sup> International Conference on Qualitative and Quantitative Methods in Libraries” Limerick, Ireland on 22- 25<sup>th</sup> May 2012, the paper entitles “The study of usage pattern of Information retrieval features of online databases in university libraries in India”.
- Also visited, Limerick University Library and Barkley Library of Trinity College, Dublin on 23<sup>rd</sup> June and 26<sup>th</sup> June 2012 respectively.
- Published book entitled “A study of data retrieval techniques of online databases available in libraries of central universities in India” LAP LAMBERT Academic Publishing, Germany (May 31, 2012). ISBN-10: 3844387730, ISBN-13: 978-3844387735.
- Organizing secretary of national conference “Creating Digital Library in Globalized E-Society” on 28<sup>th</sup> July 2012 at Indian Social Institute at Lodhi Road, New Delhi.
- Invited as a special guest to attend the First SAARC Conference for Library & Information Professionals at the Birla Institute of Management Technology (BIMTECH), Greater Noida from 1<sup>st</sup> to 2<sup>nd</sup> December, 2012.
- Invited as a subject expert for the appointment for the librarian by the Directorate of Training and Technical Education, Govt. of Delhi on 9<sup>th</sup> November 2012.
- Appointed as examiner for evaluation of thesis for the award of Ph. D at Madhya Pradesh Bhoj (Open) University.
- Invited for the expert panel for the extermination/review of PhD Synopsis, Thesis and other academic and research activities at Banasthali University. Rajasthan.
- Invited as a special guest at “National Conference on Human Resource Development in Library Services in India”, 9th March 2013, at Institute of Economic Growth (IEG), University of Delhi, Delhi.

**Dr. RadhikaBakhshi, Assistant Professor, Department of Biomedical Science**

- Attended a 3 days DBT funded workshop on Bioinformatics in February 2013 at ShriVenkateshwara College.

**Dr. ShrutiBanswal, Assistant Professor, Department of Biomedical Science**

- Attended 5 days workshop on Immunology entitled “IMMUNIS” organized by ShriVenkateshwara College from 14<sup>th</sup> – 18<sup>th</sup> May’12.

**DrSaquib Ansari, Assistant Professor, Department of Biomedical Science**

- Published a research paper entitled “Low concentration of silver nanoparticles not only enhances the activity of Horseradish Peroxidase but after saturation also” in journal Plos one.
- Presented a paper entitled “Effect of low concentration of nanoparticles on the activity of Horseradish Peroxidase” in the National Conference on Relevance of nanotechnology in biology organized by Department of Botany and Zoology, Hansraj College.

**Dr. VarshaMehra, Assistant Professor, Department of Biomedical Science**

- Attended one day National seminar on Food Safety: Role of standards. Organized by the Bureau of Indian Standards at New Delhi on 12<sup>th</sup> December 2012.
- Attended 32<sup>nd</sup> Annual Convention of Indian Association for Cancer Research. “Emerging Trends in cancer research: Road to prevention and cure”: an International Symposium on infection and cancer, organized by Dr. B.R. Ambedkar Centre for Biomedical Research, from 13-16<sup>th</sup> February 2013.

**Dr. ManishaKhatri, Assistant Professor, Department of Biomedical Science**

- Published book entitled “Novel Aryl Piperazines as Anxiolytic agents: Synthesis and SAR” LAP LAMBERT Academic Publishing, Germany (November 12, 2012). ISBN 978-3-659-29215-6

Published three research papers entitled:

- “Assessment of the antioxidant activity of aqueous extract of *Acacia catechu* bark: An *in vitro* and *in vivo* study” *Journal of Pharmacy Research*, **2013**, 1(1), 109-114
- “Synthesis, molecular modeling and toxicological evaluation of new derivatives of aryl piperazine: 5-HT<sub>1A</sub> receptor ligands” *Archives of Pharmacal Research*, **2012**, 35, 7, 1143-1152.
- “Cytotoxic effect of methanolic extract and a novel active principle from the bark of *Acacia Catechu*: Studies oncancer cell lines” *Journal of Pharmacy Research*, **2012**, 5(8), 4487-4491
- Attended one day National seminar on “Food Safety: Role of standards” organized by the Bureau of Indian Standards at New Delhi on 12<sup>th</sup> December 2012.

**Ms. TanuBhardwaj, Assistant Professor, Department of Instrumentation**

- Presented a poster on “Sol-gel based Impedimetric Urea Biosensor” in UGC sponsored National Conference on Bioelectronics and Biomedical Technology” at JamiaHamdard held on January 29 – 30, 2013.
- Presented paper on “Sol-gel based Impedimetric Urea Biosensor” in International Conference on Emerging technologies Micro to Nano 2013 [ETMN – 2013]” at BITS, Goa Campus held on February 23-24, 2013.

- Research paper accepted on “Sol-gel based Impedimetric Urea Biosensor” in Journal of Springer Bionano science.
- Received gold medal for 1<sup>st</sup> rank in post graduation in JamiaHamdard.

**Ms. NehaKatyal, Assistant Professor, Department of Computer Science**

- Awarded Ph.D. degree in DU convocation held on 19<sup>th</sup> March 2013.
- Qualified UGC – NET June 2012.

**Ms. Sonia Ahlawat, Assistant Professor, Department of Electronics**

- Organized a 2 days’ workshop on “Ethical Hacking” in collaboration with White ink Intel during mid - semester break.

### **STUDENTS ACTIVITIES**

Student Council played an active role throughout the year by organizing various cultural and educational events for the students. The year commenced with the Fresher’s day, a warm welcome was extended to the newly admitted students. The day was celebrated with dignity and without the menace of ragging.

The vision of the college is to train women and make them empowered to face the challenges in their future.

#### **Rajguru Day**

Our college celebrated Rajguru day on 24<sup>th</sup> August 2012. The celebration marked the 104<sup>th</sup> birth anniversary of ShivramHari Rajguru, a revolutionist and freedom fighter from Maharashtra. Students paid a tribute to his sacrifice for the country by performing a heart – warming choreography of dance and drama. Students also sung patriotic songs. Students of the college were motivated by the Principal, Dr. S. Lakshmi Devi and the governing body members of our college. The celebration ended on a patriotic note.

#### **Independence Day**

Independence Day was celebrated in the college premises on the 15<sup>th</sup> August 2012 which included the flag hosting ceremony and patriotic songs sung by the students of the college in the amphi theatre followed by refreshments. This event evoked a patriotic feeling in the hearts of all those who were present.

#### **Awakening youth - through spiritual talk**

The college organized a spiritual talk to commemorate the 150 years of Swami Vivekananda. The main objective of this talk was to awaken the young studentsto do selfless work for others. Swami Shantamanandaji from Ramakrishna Mission, Delhi enlightened the young minds through his spiritual message.

The event began with a beautiful and inspiring song “*Shauraya do shakti do, chit me prem do, dilkojaga do...*” sung by students followed by the speech of Swami Vivekananda delivered at **Parliament**

**of the World's Religions** on 11 September 1893 at the **Art Institute of Chicago**. Swami Shantamanandaji conveyed '*Swami Vivekananda's message to the youth*'. He emphasized that all students should have a goal which should be holistic. That the *inner strength* is important and needs to be strengthened to be a person of good character having holistic approach. Swami ji informed our young female students that Swami Vivekanand himself, advocated the welfare of women and conveyed his messages of empowerment of women like 'Women must be treated with utmost respect', 'Women must be given an all-round education', 'Women must develop their own solutions' and so on. The discourse concluded with questions-and-answers session with Swami Shantamanandaji. The talk evoked great interest as Swami ji mesmerized the audience with his spiritual message. Our young ones paid tribute to Swami Vivekananda by recalling his message and resolving to imbibe the same in their lives.

### **Karvaan**

Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, organized its cultural fest **KARVAAN - 13** at their new campus at Vasundhara Enclave, East Delhi, on 15<sup>th</sup> February 2013. Prof. VivekSuneja, Pro Vice Chancellor of Delhi University, inaugurated the fest emphasizing the origin and meaning of the word "SANSKRITI". The fest included inter-college competitions for western dance, photography, singing, street play, tattoo making, T- shirt painting etc.

The rocking and electrifying performance by young celebrity *A-BAZZ* enthralled the whole crowd. The enthusiasm and hard work of staff specially Dr. ShrutiBanswal, the Cultural Secretary, and the students under her guidance and support of Dr. Lakshmi Devi, the Principal, was much appreciated and the event was a huge hit!

### **Antardhwani**

The college put up an entry for best practices show cased at Antardhwani, the annual festival of Delhi University. All departments of the college highlighted their departmental achievements, projects and working models prepared by the students. The innovation project jointly executed by Instrumentation, Chemistry and Food Technology Departments was exhibited in innovation plaza at the sports stadium, North Campus of the University of Delhi.

### **Silver steppers - Dasta-e - Damini catches media's attention**

The dance Society of our college, **Silver steppers** is an example of lively exuberance and high spirits. The members of the society, mainly comprising of freshers of all the departments of our college. The members included MsNishthaVerma, MsJigyasaNagpal, MsPayal Singh, MsDivya Gaur, MsAkanksha Seth, MsAnvitaMathur, MsSuman Joshi, MsDeepikaDhani, MsPriyanka Sharma, MsMansi Bajaj, MsMuditaArora and MsSakshi Singh. They exhibited exceptional devotion and presented highly energetic performance.

This year Society made the college proud by gathering praise from every college whose inter-college fest they participated in, such as Institute of Home Economics, S.G.N.D Khalsa, Gargi College and many more. They also, were the second runner up in the Western Group Dance competition of Miranda House which had over 20 contestants. Our college Dance-Drama group 'Silver-Steppers' presented a dance-drama 'Dasta – e- Damini' in Miranda House which was based on the much publicized and disturbing incident of Gang rape in Delhi in Dec. 2012. The acting and presentation of the dance drama by the group was heart wrenching and captivating. It not only bagged the 3<sup>rd</sup> prize but also reported by *The Times of India* news paper on the first page of *Delhi Times* supplement with the photograph of one of the students playing the lead role in the dance drama. It was a special *Rajguru* moment.

With a passion for dance and the determination to leave no stone unturned to bring forward the name of the college, Silver steppers promise many more accolades in its name in future.

### **MUKHAUTA- the reality of fakenesss**

The dramatic society of our college did their first street play at antardhwani- the annual fest of Delhi University. The play was named 'pinjremeinkaidchidiya' and aimed at showing the position of women in this male chauvinistic society. The play symbolizes the life of a simple girl with beginning of her life how she faces problems and challenges continued till her last moment. The play was successful in giving the message to general public about significance of life of girl child in our society. The people gave the actual worth to that play with there support and applause. Mukhauta will continue their efforts to raise the issues burdening our society and enlightening people and helping to get these issues eliminated. Along with entertainment, it made people laugh, cry and think on the important issues.

### **Adaa**

Folk dance society "Adaa" presented Garbha and Dandia at DU fest Antardhwani in the folk dance competition category and the performance was greatly applauded.

### **Music society**

In the choir group Sargam participated in numerous events held within the college and also competed in various inter college competitions.

### **Eco Club**

Eco club of the college aims to sensitize and create awareness about environment amongst students, so that they can play a pivotal role in the future to minimize environmental degradation and understand the importance of natural resources. With this idea various events with environment related theme such as best out of waste, slogan writing, quiz, pot art competition, floral treasure hunt, collage making etc. were organized on 5<sup>th</sup> March, 2013.

### **Educational trip to NDRI, Karnal**

The Department of Food Technology organized one day educational trip to National Dairy Research Institute (NDRI), Karnal on 24<sup>th</sup> January, 2013. It is the part of curriculum in which students endowed with the practical knowledge; therefore the trip was organized with the objective to familiarize students with the processing of milk and milk products at NDRI, Karnal.

The trip was organized for the students of B.Sc. (H.) Food Technology II & III year which was guided by their mentors Dr. SoumyaChaturvedi, Ms. ChayanikaBabbar, Ms. VidhuYadav and Dr. Swati Sethi and the faculty members of Food Technology Department. The students along with their teachers enjoyed visiting Experimental Dairy Plant, Model Dairy Plant, Labs of Dairy Technology Division and Cattle Yard. The close encounter with the different plants and divisions of NDRI really helped students enhance their knowledge. Such type of trip is organized every year by the Department with a view to impart practical knowledge to the students.

A brief summary of the prize winners of various events at the inter-college cultural fest **KARVAN-13** is presented below:

<b>Name of the Event</b>	<b>Prize</b>	<b>Name of the Student</b>	<b>Name of the college</b>
Photography	I	MsArjooSiddiqui	BhimRaoAmbedkar
	II	MsTulika Banerjee	SRCASW
Street play	I	Ibtida	Hindu College
	II	Rudra	PGDAV College
	III	Kshitij	Gargi College
Western dance	I		Hansraj College
	II		IGIT College
	III		GTBIT College
Solo singing	I	MsRamneek, MsJasjeet	GTBIT College
	II	Ms Ash	PGDAV College
	III	MrPriyal	Ambedkar college
t-shirt designing	I	MsSaloni and MsPoornima	SRCASW
	II	Ms Namrata and Ms Nikita	SRCASW
	III	Ms Jasmine and MsDarpan	SRCASW
Tattoo making	I	Ms Jaya and Ms Monika	SRCASW
	II	MsPooja and MsShivani	SRCASW
	III	MsRohina and MsPooja	College of Business Studies
Master chef	I	MrAnup	B.R. Ambedkar College
	II	MsAbhilasha	SRCASW
	III	MsTeesha	Maharaja Agrasen College

A brief summary of prize winners at intra-college **ECHO** day celebrations is given below:

Quiz	I	MsVidhi Jain, MsMeghna Gupta	Instrumentation III Year
	II	MsNupurKhanna, MsShaifali Sharma, MsSnehaBhatnagar, MsKavitaChaudhry	Instrumentation III Year
	III	MsMeenal, MsNisha, MsSimmi	CS I Year
Treasure Hunt	I	MsHitanshi Sharma, MsHimaniRastogi, Ms Nikita	Instrumentation II Year
	II	MsShweta, MsDrishiti, MsChhavi	CS I Year
	III	MsLoveleen, MsPriya, MsManisha	Instrumentation II Year
Slogan Competition	I	MsShweta	CS II Year
	II	MsAntaraSrivastav	FT II Year
	III	MsSnehaBhatnagar MsTejaswiniVerma	Instrumentation III Year CS II Year
Best Out Of Waste	I	MsSakshi Gupta, MsSakshiKhurana	CS II Year
	II	MsVeenee, MsSidhanshi	Instrumentation II Year
	III	MsSamridhi, MsPooja	Instrumentation III Year
Pot Art Competition	I	MsSangeeta	Instrumentation III Year
	II	MsPratibha	BMS II Year
	III	MsSamridhi	Instrumentation III Year
Tattoo Making	I	MsTejaswini, MsRuchi	CS II Year
	II	MsDarpan, MsPratibha	BMS II Year
	III	MsNeha, MsVandana	Instrumentation II Year

### 55<sup>th</sup> Annual Flower Show

1. Deepika Sharma – Computer Science (III yr) – I prize and Daultan Ram Trophy for floral display.
2. Divya Sharma - Computer Science (II yr) – II prize in marriage decoration.
3. SangeetaBehura – Instrumentation ( IIIyr) – III prize in Rangoli.
4. Purnima – Food Technology (III yr) – III prize in Rose arrangement.
5. Divya Singh - Food Technology (III yr) – highly commended in Rangoli.

### Flower Show

The college also represented in the flower show organized by Horticulture Department of Delhi Government wherein, the college garden was awarded 1<sup>st</sup> prize. Further, our Marriage Decoration entry was also awarded the first prize.

### List of Students Council Members

<b>President</b>	MsNupurKhera	BMS 3 <sup>rd</sup> year
<b>Cultural Secretary</b>	Ms Monika Singh	BMS 3 <sup>rd</sup> year

<b>General Secretary</b>	MsShilpa Sharma	BMS 3 <sup>rd</sup> year
<b>Council Member</b>	MsRuchi	BMS 2 <sup>nd</sup> year
<b>Council Member</b>	MsKavya	BMS 2 <sup>nd</sup> year
<b>Council Member</b>	MsJigyasa	Electronics 2 <sup>nd</sup> year
<b>Council Member</b>	MsAstha	Electronics 2 <sup>nd</sup> year
<b>Council Member</b>	MsAshwathi	Electronics 2 <sup>nd</sup> year
<b>Council Member</b>	MsHimani	Electronics 2 <sup>nd</sup> year
<b>Council Member</b>	MsEkta	Electronics 2 <sup>nd</sup> year
<b>Council Member</b>	MsShaily	Electronics 1 <sup>st</sup> year
<b>Council Member</b>	Ms. Somya	Computer science 3 <sup>rd</sup> year
<b>Council Member</b>	MsLovleen	Instrumentation 2 <sup>nd</sup> year
<b>Council Member</b>	MsShubhra	Instrumentation 2 <sup>nd</sup> year
<b>Council Member</b>	MsAkanksha	Food Technology 1 <sup>st</sup> year
<b>Council Member</b>	MsPreeti	Food Technology 1 <sup>st</sup> year
<b>Council Member</b>	Ms Jaya Shome	BMS 3 <sup>rd</sup> year
<b>Council Member</b>	MsShweta	BMS 3 <sup>rd</sup> year
<b>Council Member</b>	MsHitanshi	Instrumentation 2 <sup>nd</sup> year

#### **List of Class Representatives**

Stream	Year	Name
Biomedical Science	I	Surbhi Sharma
	II	SumedhaSaluja
	III	Ruchi Gupta
Computer Science	I	DivyansiDhingra
	II	KirtiSinha
	III	Aakriti Gupta
Electronics	I	SukritiSukhija
	II	ParulGarg
	III	Pallavi Singh
Food Technology	I	Preeti
	II	Himani
	III	Manali
Instrumentation	I	AnvitaMathur
	II	PriyaSoni
	III	PriyaKaushik



**Positions in University (2009-2012)**

<b>Course</b>	<b>I</b>	<b>II</b>	<b>III</b>
B.A.Sc. (H) Electronics	MsKritiMathur	MsNandini Sharma	MsKomalPreetKaur
B.A.Sc. (H) Instrumentation	MsAashnaKhusla	MsAkanshaMehra	MsMamta
B.Sc. (H) Food Technology	MsPrachi Jain	MsAkanshaAgarwal	MsAkankshaPahwa
B.Sc. (H) Biomedical Science	MsMadeehaMudassir	MsNidhi Gupta	MsSnehaArora

**Glimpses of Result: Overall (2009-2012)**

	<b>I</b>	<b>II</b>	<b>III</b>
B.A.Sc. (H) Electronics	MsKritiMathur	MsNandini Sharma	MsKomalPreetKaur
B.A.Sc. (H) Instrumentation	MsAashnaKhosla	MsAkanshaMehra	MsMamta
B.Sc. (H) Food Technology	MsPrachi Jain	MsAkankshaAgarwal	MsAkankshaPahwa
B.Sc. (H) Computer Science	MsSarojRawat	MsGunjan Gupta	MsMeenakshi Gupta
B.Sc. (H) Biomedical Science	MsMadeehaMudassir	MsNidhi Gupta	MsSnehaArora

**III year (2011-2012)**

	<b>I</b>	<b>II</b>	<b>III</b>
B.A.Sc. (H) Electronics	MsPriya Jain	MsKritiMathur	MsNandini Sharma
B.A.Sc. (H) Instrumentation	MsAashnaKhusla	MsMamta	MsMinakshiPandey
B.Sc. (H) Food Technology	MsPrachi Jain	MsAkankshaPahwa	MsAkanshaAgarwal
B.Sc. (H) Computer Science	MsSarojRawat	MsGunjan Gupta	MsGarimaRastogi
B.Sc. (H) Biomedical Science	MsMadeehaMudassir	MsNidhi Gupta	MsSnehaArora

**II year (2011-2012)**

	<b>I</b>	<b>II</b>	<b>III</b>
B.Sc. (H) Electronics	MsAysha Rani	Ms Monika Sharma	MsNitika Sharma
B.A.Sc. (H) Instrumentation	MsAparnaSahay	MsNaina Gupta	Ms Twinkle Chaudhary
B.Sc. (H) Food Technology	MsPoojaTiwari	MsAnkotiGhosh	MsShruti Sharma
B.Sc. (H) Computer Science	MsShalikaSinghal	MsRashmiKhandelia	MsVishakhaAggarwal
B.Sc. (H) Biomedical Science	MsNupurKhera	MsAnkita Sharma	MsSurbhi Sharma

### I year (2011-2012)

	<b>I</b>	<b>II</b>	<b>III</b>
B.Sc. (H) Electronics	MsAnchali Jain	MsAyushi Gaur	MsParulGarg
B.Sc. (H) Instrumentation	MsDikshaNarula	MsArchana Sharma	MsPriyaSoni
B.Sc. (H) Food Technology	Ms Dolly	MsAkanksha Gupta	MsPriyankaRathi
B.Sc. (H) Computer Science	MsRuchiGoyal	MsShivangiBhardwaj	MsAyushiKapoor
B.Sc. (H) Biomedical Science	MsMonishaUppal	MsSumedhaSaluja	Ms Tenzin Dolma

### Annual Day Prizes

<b>Particular</b>	<b>Bms</b>	<b>Instrumentation</b>	<b>Electronic</b>	<b>Computer Science</b>	<b>Food Tech</b>
<b>Best Student</b>	Jaya Shome Shilpa Sharma	Aparna	Nitika Monika	VishakhaAggarwal	PoojaTiwari
<b>Most Disciplined</b>	SurbhiSharma Shweta Kumar	PriyaKaushik Naina	Ayesha Rani Ayushi	ShalikaSinghal	RituDevtala
<b>Best In Cultural</b>	Yamini Jain ( Cs III Year) + Purnima (Elec. III Year)				

<b>Best All Rounder</b>	Ankita Sharma (BmsIII Year)
<b>Special Appreciation</b>	SangeetaBehura ( InstruIII Year)
<b>Best Organiser</b>	Nupur& Monika ( Bms III Year)
<b>Most Sincere Worker</b>	Akriti Gupta ( Cs III Year)

I give my thanks to all the members of the staff for extending their full co-operation in maintaining the good reputation of the college, in the university and outside and hope they will continue in their efforts with full enthusiasm.