



## Annual Report 2014-15

It is with a great sense of anticipation that all of us at Shaheed Rajguru College of Applied Sciences for Women wait for the College Annual Day. The day is marked by the celebration of the achievements of the whole college community, including the teachers and the students. It is on this day that we remind ourselves of the hurdles crossed and laurels won through cooperation and hard work.

The annual day commemorates the consistent efforts of members of the college in enhancing the academic, social and cultural ethos of the college.

Today we celebrate the 24th Annual day of the college. It was a special year for all of us as it was the silver jubilee celebration year. It meant 25 years of togetherness, dedication, commitment, cooperation and evolution.

Friends, we are honoured to have **Professor Sushma Yadava** amongst us today as Chief Guest for our annual day. Professor Sushma Yadava, who has earlier served as Professor of Public Policy & Governance at Indian Institute of Public Administration, New Delhi, joined Indira Gandhi National Open University on 9th December 2013 as Pro Vice Chancellor.

An eminent scholar & Gold Medallist from the University of Delhi, Prof. Yadava has a very rich teaching and research experience of more than 30 years. She has also been Chair Professor, Dr. Ambedkar Chair in Social Justice at Indian Institute of Public Administration, New Delhi.

Professor Yadava has authored more than a dozen of books/monographs on Political Science, Social Justice, Gender Issues, Culture and Politics etc. Her five books are forthcoming. She has to her credit a number of research publications and has also guided/supervised M.Phil./Ph.D. degrees at various universities like University of Delhi, Punjab University Chandigarh, Anna University Chennai, and the Kurukshetra

University. Prof. Yadava has many awards and distinction to her credit, which among others include:

- Savitribai Phule Lifetime Achievement National Award in the field of Education, 2012.
- First Phule Balijan Ratna Samman by Satyasodhak Samaj (International), New Delhi in 2011.
- Jeewak Shikshak Puraskar by Jeevak Welfare Society, Nagpur in 2010.
- National IFJA Award by Farm Journalist Association, New Delhi in 2008.
- National Leader Award by Mrs. Helena Kaushik Women's College, Jhunjhunu, Rajasthan in 2006.
- Maharishi Karve Memorial Prize, University of Delhi in 1978.
- Rai Bahadur Gori Shankar Memorial Medal, 1978.

She has been member of the Academic Council, University of Delhi, member of the Executive Committee of Delhi Regional Branch of IIPA, Member, Working Group on SCs for the 12th Plan Approach Paper, Ministry of Social Justice and Empowerment, Govt. of India, 2012, India Coordinator, International Political Science Association (IPSA) Research Committee RC 37 on Rethinking Political Development and Vice Chair, IPSA Research Committee RC 04 on Public Bureaucracies in Developing Societies. She is also member of Executive Council, Indian Institute of Public Administration, New Delhi, Governing Body, Indian Social Institute, New Delhi, Academic Council, Central University of Gujarat and Academic Council, H. P. University, Shimla.

We are indeed fortunate to have with us **Smt. Achla Singh**, Director, Higher Education as our guest of honour. She is a 1982 batch officer of DANICS (NCT of Delhi, Andaman & Nicobar Islands, Lakshadweep, Daman & Diu and Dadra & Nagar Haveli Civil Service). She has done M.A. Economics from Delhi School of Economics, Delhi University, M.A. Governance & Development from Institute of Development Studies, University of Sussex, UK and Diploma in International Approaches to Poverty Alleviation from University of Sussex, UK.

Earlier she was Director, Social Welfare Department, Delhi Government. She has also served as Special Secretary (Health), Delhi Government, and Secretary to the Lt. Governor, Andaman and Nicobar Islands, Port Blair; Secretary, Health, Social Welfare, Shipping, Power, Tribal Affairs. She has wide experience of Delhi Government

Departments viz. Sales Tax, Excise, Transport, Home, Food & Supply, Social Welfare & Health.

She supervises IP University, Ambedkar University, National Law university Delhi, Delhi Institute of Heritage Research and Management and twelve 100% & sixteen 5% aided Colleges of Delhi University. Maintenance, repairs and new construction of these colleges form part of the work of her department. She also deals with formulation of Policy and issue of NOC for affiliation of Private Colleges to IP University, issues related to grant-in-aid to University and Colleges.

It is our privilege to have **Prof. Souendra Mohan Patnaik**, Treasurer, Governing body of the college with us. He has more than 27 years of Work Experience in teaching Social Anthropology at University of Delhi. His research areas include Globalization, Development and Tourism Studies, Indigenous Knowledge, Tribal Studies, Ethnography. He has also been Fulbright-Nehru Visiting Lecturer at VT Institute for Policy and Governance /Urban Affairs and Planning, Virginia Tech University, USA.

He has been President, Indian Anthropological Association, Delhi, Chairperson, Scientific Commission on Anthropology of Public Policy and Governance; He is also a Member of Organizing Committee, World Council of Anthropological Association (WCAA), International Task Force on Ethics, WCAA, International Task Force on Advocacy and Outreach, WCAA, Founding Member, Anthropology without Borders, Brazil.

He has also authored many books like *Culture, Identity and Development, Indian Tribes and the Mainstream, Chilika: The Lake and its Cosmology* and many more.

Let me take this opportunity to introduce our special guests to all of you.

We are very fortunate to have with us Dr. S. Lakshmi Devi. She is the founder principal of our college. She was also the member of Task force on women in the Department of Biotechnology Government of India. She is also the expert member on Trans-Yamuna Development Board, Govt. of India. She is also the Vice President of Association of Food Scientists and Technologist, Delhi Chapter.

The University of Delhi has appointed **Dr. S. Lakshmi Devi** as the Hony. Director of Centre of Entrepreneurship and Career Oriented Program. She has delivered lectures and presentations at various national and international conferences. Women related issues are very close to

her heart. She is currently the president of Wellbeing of Women (WOW) India chapter.

We also have with us **Ms. Anita Makhijani**, Deputy Technical Adviser, Ministry of Women Child Development, Food & Nutrition Board. She has 22 years of diverse experience in the field of Food Science and Technology, Nutrition and Health Education, sensitization of policy planners and implementers and Regulatory affairs.

At this juncture I wish to share with our distinguished guests our feeling of great pride in successfully completing silver jubilee year of the college. This year witnessed a marathon of academic and cultural events. I would like to apprise our guests of the progress and the activities of the college.

### **Inauguration of Auditorium**

The magnificent auditorium of the college was formally inaugurated on 25th September 2014. The distinguished chief guest for the function was Padma Vibhushan Dr. Sonal Mansingh. Dr. Achla Singh, Director of Higher Education, Government of NCT of Delhi and Dr. S. S. Rana, Former Dean of Colleges, University of Delhi, presided over the function. Dr. Sonal Mansingh presented a Natya Katha based on the theme 'Aaj ki Naari'. Dr. Mansingh's unparalleled singing and narrative skills added a new dimension to the art of storytelling and it was well complemented by the music given by her accompanying artists.

### **Silver Jubilee Celebration**

College celebrated its silver jubilee to mark the completion of glorious 25 years of its existence on 7th November 2014. It was a great day and matter of immense pride for the college.

Chief guests of the function were Professor Samir K. Brahmachari, J. C Bose National Fellow, Chief Mentor, Open Source Drug Discovery, Academy Professor, AcSIR, Scientist & Founder Director, CSIR-Institute of Genomics & Integrative Biology, CSIR-IGIB, South Campus, Mathura Road and Professor Vani Brahmachari. Professor Samir K. Brahmachari delivered an enthralling lecture on "*Open Innovation, Big Data and Crowd Sourcing: The Next Frontier*".

### **Recent Trends in Instrumentation and Electronics — RTIE**

The Department of Instrumentation in collaboration with the Department of Electronics organized a national conference on "Recent

Trends in Instrumentation and Electronics” (RTIE-2015) on 5th and 6th January, 2015. The conference was supported by IEEE EDS, Delhi Chapter. It was co-sponsored by UGC, DBT Star College Scheme, and Agmatel. It was inaugurated by Guest of Honour, Prof. S. S. Aggarwal, Director General, KIIT Group of Colleges. Invited talks were delivered by eminent academicians and people from various industries.

### **National Conference — UMCCD 2014**

The Department of Biomedical Sciences organized a national conference on “*Understanding the Mechanism and Challenges of Complex Diseases*” (UMCCD 2014) on 29th and 30th December 2014. The conference was sponsored by DBT star college grant. Prominent Scientists and well-known physicians like Dr. Anoop Misra, Chairman, Fortis, Dr. Shiv Kumar Sarin, Director, ILBS, Dr. Tara Devi S. Ashok, Senior Faculty, University of Massachusetts, Boston USA were the speakers for this conference. It was a well-attended mega event with delegates from over 140 Colleges of University of Delhi, AIIMS, MAMC, UCMS, IGIB, INMAS, and other renowned Institutes and Universities of the country.

### **Lecture Series**

College also organized a lecture series by eminent personalities starting from 5th November 2014. Padma Bhushan Dr. Manju Sharma, Former Secretary, Department of Biotechnology, Government of India and Padma Bhushan Dr. V.P Sharma, Former Dean, National Institute of Malaria Research were invited to grace this occasion.

Dr. Manju delivered a stimulating talk on “Excitement & Application of Biotechnology for Sustainable Development” and Dr. V. P Sharma enlightened the students with a talk on “Water and Health”.

### **Departmental Activities (2014-2015)**

#### **Department of Biomedical Sciences**

- Organized a national conference on “*Understanding the Mechanism and Challenges of Complex Diseases (UMCCD 2014)*” on 29th and 30th December 2014.
- Organized a Workshop on *Bioinformatics — An Interdisciplinary Applied Science* for the students of B.Sc. (H) Biomedical Science, B.Sc. (H) Instrumentation and B.Sc. (H) Food Technology under

the aegis of Star College Scheme, Department of Biotechnology, Government of India on February 26-27, 2015.

- Department of Biomedical Sciences organized its Annual Science Festival “**Plexus**” on the theme of ‘Transgenomics’ on March 03, 2015. Professor Anil Grover and Dr. S Lakshmi Devi delivered lectures on ‘Stress Biology and Transgenics’ and ‘Story of Some Transgenics’ respectively.

### **Department of Computer Science**

- Organized a talk on “Emerging Cyber Crime Threats” by Mr. Rakshit Tandon, Consultant at IAMAI (Internet and Mobile Association of India).
- Organized a four-day workshop on PHP and Java Script in association with NIIT, Vivek Vihar from 7th October to 10th October, 2014.
- Organized a talk on “Big Data Analysis and Visualization” in collaboration with Integer Innovation.
- Organized annual IT festival “**Tech Melange’2015**”. This technical extravaganza was the perfect confluence of technology, creativity and fun. The event was inaugurated by Dr. Ajay K. Gupta, Director of Delhi University Computer Centre. Tech Melange’15 had an array of technical events, including an online riddle event BRAINWRECK. Event was mega hit as it witnessed a whopping participation of more than 400 students from 31 institutes including the prestigious IITD, IITM, IPU and DTU.
- Organized a Seminar on “Cyber Security” in collaboration with Lucidius InfoTech.

### **Department of Food Technology**

- The Department celebrated “**World Food Day**” on 16th October with great enthusiasm. This year the theme was “Family Farming: Feeding the World, Caring for the Earth”. Students enjoyed the enlightening interaction with Dr. Arvind Kumar, Vice-Chancellor, RLBC Agricultural University, on the issue of food and nutrition security and the role of agricultural education in it. Second technical lecture was given by Dr. Neeraj Sharma, Agricultural Economist and Consultant, Food and Agriculture Organisation. He discussed the need of family farming in feeding India and the world in 2020.

The program observed participation from students and faculty from various colleges like BCAS, Lady Irwin College, IHE etc. The program was also attended by Dr. Sujata Pandit, Head, R&D, FRAC and AFST(I) members.

- A two day in-house training program on “Food Safety Management Systems” was organized in collaboration with Confederation of Indian Industries on 28-29 October 2014 in the college. The training was conducted by Mr. Rajnish Chhindra, Counsellor, Food Safety & Quality, CII Food & Agriculture Centre of Excellence, New Delhi. The training was attended by thirty students of our college.
- A team of two students of final year participated in the inter-college cuisine competition “Desi-Videshi Khana” with the cuisines of Punjab during Nutrition Week celebration, organized by Institute of Home Economics in August ’14. In the same event many other students participated in the inter-college competition “New Flavour to Quaker Oats”.
- Final year students participated in one day National Workshop on “Packaging of Fresh and Processed Foods”, organized by Indian Institute of Packaging in association with Mission Director-Delhi, National Mission on Food Processing (NMFP) on 17 January, 2015 at IIP, Delhi.
- The Department organized a one day educational trip to National Dairy Research Institute, Karnal on 27th February ’15. Final year students under the guidance of Ms. Para Dholakia, Ms. Saumya Chaturvedi and Ms. Shikha Goel learnt the production of various dairy products like khoa, kalakand, milk powder, ghee, paneer in Experimental Dairy and processing of pasteurized milk in Model Dairy.
- Second year students accompanied by faculty members Ms. Shikha Goel and Ms. Vandana Arya visited the plant of Yakult Danone India Pvt Ltd. situated at Sonapat on 9th March ’15. It is the only production unit of the company in India.
- Ms. Sristy Gupta of B. Sc. (H) Food Technology Sem VI was awarded Food Safety Silver Medal by Italian Technical Services in collaboration with All India Food Processors’ Association for her outstanding performance in academics.

- New product *Nutri-bar* developed by three students of B. Sc. (H) Food Technology, Sem VI won 3rd prize in novel product development competition organized by Bhaskaracharya College of Applied Sciences in March '15.
- Students and faculty members of the department visited Food India: National Food Expo during Aahaar 2015 in Pragati Maidan in the month of March.

### **Department of Electronics**

- Department of Electronics along with the Department of Instrumentation organized a UGC sponsored National Conference on Recent Trends in Instrumentation and Electronics on 5th and 6th January 2015.
- A talk was organized on 'Cloud Computing — the hype, reality and future' by Dr. Vikas Sahni, School of Computing, National College of Ireland on 30th October 2014. The talk covered what is Cloud Computing, where are we now, what is the long term future, and where are the jobs.
- The department is running a DU innovation project entitled, "Development of e-resources on standard procedure of operation and applications of important electronic devices used by undergraduate science students" along with the department of Instrumentation.
- The department also tried to actively fulfil its social responsibility by organizing visit to an old age home "Jan Kalyan". Students and teachers went to the old age home on 20th October 2014 to share and spread the celebrities of Deepawali.

### **Department of Instrumentation**

- Instrumentation Department organized a one day industrial tour to Yakult Danone India Pvt. Ltd. situated at Sonapat, Haryana on 2nd April, 2014 for B.Sc. (H) Instrumentation, V semester students.
- Lecture on "Advancement in cognitive assessment and enhancement" by Mr. Sushil Chandra, Scientist F, Head of Biomedical Engineering Department, INMAS, DRDO was organized on 24th September, 2014.



- The Department also organized an industrial trip on 9th December, 2014 to *M/s Agilent Technologies, Manesar, Haryana* for B.Sc. (H) Instrumentation, 5th Semester and B. Tech. Instrumentation, 3rd Semester students. The visit comprised of lecture session on molecular spectroscopy, Elementary spectroscopy, Mass spectroscopy and Liquid and Gas Chromatography. Post-lunch session was devoted to lab visit. The visit was very informative and acquainted students with recent developments in the field of analytical Instrumentation.
- A 3 day workshop on “Embedded System Design using 8051 microcontroller” was organized from 17th December 2014-19th December 2014 for students.
- The Department of Instrumentation in collaboration with Department of Electronics also organized the National conference on Recent Trends in Instrumentation and Electronics (RTIE-2015) on 5th and 6th January, 2015 by IEEE EDS Delhi.
- The Department also organized a one day industrial tour to “Yakult Danone India Pvt. Ltd.” situated at sonapat, Haryana on 10th February, 2015 for final year students of Instrumentation.
- Technical fest, Technexus’15 was organized on 3rd March 2015 in collaboration with Department of Electronics.

### **Other Activities of the College**

#### **Robotics**

- *Abhimanyu Bot*: On 11th April 2014 college Robotics Lab *Abhimanyu Bot* was inaugurated by Shri Praveen Prakash, Joint Secretary (TEL) and Mission Director through webcast at IIT Mumbai. This lab has been established under the joint initiative of e-Yantra, IIT Mumbai and CIC, University of Delhi with an aim to motivate students to learn and experiment in the field of robotics, the technology of coming age. It aims to make learning fun using problem based learning approach. Students from Computer Science, Electronics and Instrumentation streams are encouraged to join Robotics and they are motivated to participate in Regional Robotics Competition organized in India.

A team of four faculty members – Dr. Amita Kapoor, Ms. Daya Bhardwaj, Dr. Sneha Kabra and Ms. Monika Tyagi participated in

e-Yantra Teachers Robotics competition organized by IIT Mumbai in April 2014 and won consolation prize in the event.

In 2015, a team of four students from the college was selected by e-Yantra IIT Mumbai through a test conducted online for completing “Warehouse Management” project. To finish the task they were awarded with a robot “Firebird V” worth Rs 27000/ .

A four member team along with a teacher Mentor were selected under eYIC: e-Yantra Ideas Competition, the team idea is of making a “roboirrigator”.

### **“Women Rock IT”**

- On 5th February 2015, CNA organized in collaboration with CISCO systems “Women Rock IT” event. The event consisted of live video conference by Ms. Jannet Ramey, Vice President, Cisco Technical Services, Asia Pacific, Japan and Greater China. The guest of honour for the event was Ms Ranjana Dev Sarmah, Director, Social Media, Press Information Bureau. The panellists were Ms. Nimisha Singh, Ms. Shikha Chadha, Ms. Ankita Tyagi, Prof. Enakshi K Sharma, Ms. Anuradha Sharma, Dr. Deepa Joshi, Dr. S. Lakshmi Devi, and Dr. Amita Kapoor. The CNA is also running a Project funded by CISCO Systems entitled: “Didactic education of computer and communication techniques” since August 2014, with Dr. Amita Kapoor and Dr. Punita Saxena as Project Investigators.

### **Eco Club**

- Eco club worked towards creating awareness and sensitizing about environment amongst all of us. Various activities were carried out under this endeavour – Best out of Waste, Vermicomposting, Herbal garden, Tree plantation.

### **Entrepreneurship Cell**

- Entrepreneurship cell has been established in the college to motivate students to become entrepreneurs, develop skills and create jobs rather than search for jobs.
- It organized a one day (18th October 2014) Inter college certification workshop on “Entrepreneurship Development Programme” in collaboration with National Institute for Entrepreneurship and Small

Business Development (NIESBUD), a premier organization of Ministry of Micro, Small and Medium Enterprises, Govt. of India.

### **Internal Complaints Cell**

- An awareness programme on Gender Sensitization was conducted on 12th Feb 2015. This programme was conducted by Secretary of Delhi Legal service Authority (DLSA) East and Legal Aid Council.
- Programme on “Self Defense by women” was conducted by Delhi Police on 27th February 2015. This programme also included an interactive session on women related issues by honourable Judge DLSA, Chief Public Prosecutor and Additional DCP, Police.
- A 2 day workshop on “Techniques of Self defense” was conducted on 26-27 March 2015 by Delhi Police under the canopy of (DLSA), East Delhi, Karkardooma. Around 50 students attended the workshop.

### **Women Development Cell**

- Organized a Thalassemia Awareness Programme in collaboration with Rotary Club. Invited doctors guided students about this genetic disorder and talked about its preventive measures. Gynaecologist from the team also talked about anaemia related issues in young women.
- Organized a free Thallasaemia Detection Camp in collaboration with Rotary Club and Inner Wheel (NGO), Vivek Vihar, Delhi. Blood samples from around 220 students were collected and the test reports were mailed to all the participants separately. Few Thalassemic major cases were detected and were counselled later on.

### **Placement and Career Counselling Cell**

- The main endeavour of Placement and Career Counselling cell is to facilitate the employability of the students. The placement cell supports the placement process by identifying relevant career opportunities for those who are seeking placement assistance for career progression after their course completion. The placement cell provides timely update to the students about opportunities in development sector, IT, academic institutes, government organizations, research organizations, public sector and other organizations of relevance. Apart from these, the placement cell also provides career development service which includes workshops

and seminars to the students. This year 55 students got placed through central placement cell in TCS and Wipro Technologies.

### **College Library**

- The College Library has approximately 16602 books, 11 printed journals and many scientific encyclopedia and periodicals covering all aspect of fundamental science, such as Electronics, Instrumentation, Food Technology, Computers Sciences, Biomedical Sciences, Biology, Biochemistry, Chemistry, Physics, etc.
- 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 **43270** e-journals available in the present library with three Wi-Fi computer laboratories consisting of 80 computers i.e. e-Library-1, e-Library-2 and e-Library-3.
- The Library has digital material on its institutional repositories like New Product Development done by the 3rd year student of Food Technology, Other Important project reports, question paper, syllabus are also digitized by the library.
- The college library is RFID (Radio Frequency Identification system) enabled, which is being used for library housekeeping operation, the system move beyond security to become tracking system that combine security with more efficient tracking of materials throughout the library, including easier and faster charge and discharge, inventorying, material handling and automated book drop kiosk being used for easier return of books. The RFID system included self-circulation desk, staff work station, security gate, book drop box, RFID reader, RFID sticker for Book, RFID enabled member card, SMS and e-mail services in each book transaction.

### **‘Teach India’ — A Times of India Initiative**

- **Teach India**, an Initiative by Times of India in association along with our college started in 2014. Times of India Group bore the financial burden of this program while the college provided mentors.

Students of the college got a chance to teach spoke English to learners of the age-group 18-50 for 90 days. This helped in building the communication skills of the learners, hence strengthening their job prospects and confidence.

- College students also went to Khichripur, a rural area in east Delhi, to teach people of the weaker sections of the society. Out of that, three people got jobs because of improved English speaking skills.

### **57th University Flower Show**

- The Gardener of our College Mr. Khushal Singh won second Prize in marriage decoration Competition at 57th Flower Show organized by University of Delhi.

### **Academic Achievements and Activities of Teaching Faculty**

#### **Dr. Payal Mago (OSD-Principal)**

- Contributed five research papers in international journals on the subject “Phytoremediation of heavy metals Nickel and Cadmium using arbuscular mycorrhizal fungi”.
- Presented papers in two international conferences:
  1. Agro-waste management by edible mushroom production.
  2. Sustainable agriculture using bio fertilizers.
- Authored books entitled:
  1. Climate change — effects and impact on agriculture.
  2. Intellectual property rights — fundamental features and its global dimensions
- A Ph.D. student was awarded a degree on the topic “Mycophyto-phytoremediation potential of *Vetiverice zizanoides*”.
- Member standing committee (Ministry of Human Resource Development) to go in to the working of women studies reconstitute by Government of India.
- Visitors nominee to Sikkim Central University.

#### **Dr. S. Lakshmi Devi (Former Principal)**

- Was invited to participate in “Women Leadership and Sustainability” Conference organized by Women’s Education World wide and Women’s College Coalition in Atlanta USA from 16th Jan-18th Jan 2015.

- Presented a paper entitled “Education in Applied Sciences for Empowerment of Women” in Women’s World Congress from 17th August to 22nd August 2014 in Hyderabad, India.
- Was invited as a panellist for a discussion on “Global Learning and Communication — an experience providing professional development to faculty in India” in 8th Annual University conference on Teaching, Learning and Technology at University of Massachusetts Boston in May 15, 2014.

**Ms. Venika Gupta, Associate Professor,  
Department of Electronics**

- Was member of the organizing committee for the UGC sponsored National Conference “Recent Trends in Instrumentation and Electronics” organized jointly by the department of Electronics and Department of Instrumentation on 5th-6th January 2015.

**Ms Preeti Singhal, Associate Professor,  
Department of Electronics**

- Supervised four second year students for a four week summer internship. The project involved generating waveforms under interrupt mode in embedded system based on 8051 microcontroller in May-June 2014.
- Was treasurer for the UGC sponsored National Conference “Recent Trends in Instrumentation and Electronics” organized jointly by the department of Electronics and Department of Instrumentation on 5th-6th January 2015.

**Dr. Punita Saxena, Associate Professor,  
Department of Mathematics**

- Published a research paper entitled, “Efficiency evaluation of State Transport Undertakings of India using DEA-NN approach”, International Journal of Management and Information Technology,, Vol. 10, No.5, pp. 2189-2198, 2015.
- Was a member of National Jury for the DST sponsored “INSPIRE” program held in Delhi.
- Completed a research project by University of Delhi entitled, “Effect of anaemia on academic performance of students of East Delhi colleges”.

**Dr. Ranjana Singh, Associate Professor,  
Department of Food Technology**

- Acted as a resource person for the training & talk during the model training programme entitled “Valorisation of horticultural & arable crops” organized at IARI during December 4-11, 2014. The talk was focused on value addition of horticultural & arable crops.

**Dr. Deepa Joshi, Associate Professor,  
Department of Food Technology**

- Received meritorious teacher award by the Government of NCT of Delhi for the academic year 2014-15.
- Co-investigator in a University of Delhi innovation project entitled “Synthesis and characterization of silver nano-particles and antimicrobial studies on bacteria responsible for food decay.”

**Dr. Rekha Mehrotra, Associate Professor, Department of Biology**

- Attended two day workshop (17th -18th October 2014) on “Use of Technologies in Teaching” conducted by Centre for Professional Development in Higher Education, University of Delhi.
- Attended two day workshop (29th-30th December 2014) on “Understanding the mechanism and challenges of complex diseases” organized by Department of Biomedical Sciences, Shaheed Rajguru College of Applied Sciences for women, University of Delhi.
- Was a member of organizing committee for the workshop “Recent trends in Electronics and Instrumentation” conducted by department of Electronics and Instrumentation, Shaheed Rajguru College of Applied Sciences.

**Ms. Daya Bharadwaj, Assistant Professor,  
Department of Instrumentation**

- Presented the invited paper “*Chromatographic fingerprinting: An emerging tool for quality control and chemo-taxonomy of medicinal plants and their drugs*“ at the National conference on Recent Advancements in Instrumentation and Electronics organized by Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.

- Attended two days workshop (Oct. 17-18, 2014) on “Use of *Technologies in Teaching*” organized by CPDHE University of Delhi.
- Guided the Innovation Project “*Effect of anaemia on the academic performance of undergraduate students*” (Project code SRCA201)” Delhi University under the Vice Chancellor’s Innovation Project scheme.
- Was organizing committee member in National Conference on “Recent Trends in Instrumentation and Electronics (RTIE)” held on 5-6 January 2015 at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.

**Dr. Jasjeet Kaur, Associate Professor, Department of Chemistry**

- Published a Research Paper entitled, *A novel fluorescent small particle reagent based on eosin B stain for developing latent fingerprints* in Indian Police Journal, Volume 61, 2014, p. 227-233.
- Published a Review Article entitled “*DFO reagent for detection of latent fingerprints: A review*” in Fingerprint World, Volume 40, 2014, p. 16-23.
- Presented a Paper entitled, “*A multipurpose composition for crime scene management: A novel concept in fingerprint technology*” at the International Conference on Mathematics and Engineering Sciences, held in 2014 at Chitkara University, Baddi (H.P.).

**Dr. Amita Kapoor, Associate Professor, Department of Electronics**

- Invited to deliver a talk on “Introduction to cyber security” in the national conference on Internet Governance and Internet Security (IGIS 2015) organized by KIIT and NIXI on 31st March 2015.

*Publications:*

- Punita Saxena, Amita Kapoor, “Efficiency Evaluation of State Transport Undertakings of India using DEANN approach”, International Journal of Information Technology and Management, Jan 2015, 10(5) 21892198.
- Sneha Kabra, Amita Kapoor, Himani Dua, “Development of e-resource on standard procedure of operation and applications of important electronic devices used by undergraduate science



students”, Journal of Undergraduate Research and Innovation, University of Delhi, February 2015 1(1), 233-238.

- Amita Kapoor, Sneha Kabra and Himani Dua, “Development, use and impact of e-learning based modules for teaching Electronics, to undergraduate girl students”, a case study. Paper presented at IEEE MITE 2014, International Conference on MOOC’s, Innovation and Technology in Education, December 1920, 2014.
- Amita Kapoor, Sneha Kabra, and Himani Dua, “Development, use and impact of e-learning based modules for teaching electronics: to undergraduate girl students”, a case study. In MOOC, Innovation and Technology in Education (MITE), 2014 IEEE International Conference on pp. 215-218. IEEE, 2014.
- Kabra, Sneha, Himani Dua, and Amita Kapoor, “Development of e-learning based module for teaching practicals in electronics to science and engineering students in India.” International Conference on Teaching, Assessment and Learning (TALE), 2014, pp. 173-174. IEEE, 2014.
- Himani Dua, Amita Kapoor and Sneha Kabra, “E-Learning Based Approach for Teaching Experiments in Electronics”, Proceedings of National Conference on Striving & thriving towards diffusion of student driven research in Science and Technology for Inspired learning, October 1617, 2014. ISBN: 9788172739584.
- Sheetal Varshney and Amita Kapoor, “Friendship among adolescent girls: Analysis using Gephi”, Proceedings of RTIE 2015, National Conference on Recent Trends in Instrumentation and Electronics, January 56, 2015.

*Courses/Workshops/ Seminars Attended:*

- Attended two day workshop on Use of Technology in Teaching organized by CPDHE, Academic Research Center, Patel Marg, University of Delhi-110007 on 17th and 18th October 2014.

*Courses/Workshops/ Seminars Organized:*

- Was Joint Secretary of the first National Conference, Recent Trends in Instrumentation and Electronics, RTIE 2015 organized on 5th-6th January 2015.
- Organized a workshop on OSCAD, an open source circuit simulator

software for the faculty in Electronics and Instrumentation department of the college in collaboration with Spoken Tutorial, IIT Mumbai on 5th June 2014, in total 13 faculty members from department of Instrumentation and Electronics attended the workshop.

- Organized a workshop on C and C++ language for the students along with Instrumentation department of the college in collaboration with Spoken Tutorial, IIT Mumbai on 2223 May 2014.
- Organized a workshop on Blender for the students in the innovation project SRCA 203 in collaboration with Spoken Tutorial, IIT Mumbai on 30th April 2014.

*Projects Undergoing:*

- “Didactic education of computer and communication techniques, since August 2014 in collaboration with Cisco Systems”.

*Projects Completed:*

- Development of e-resource on Standard procedure of operation and applications of important electronic devices used by undergraduate science students granted under DU Innovation Project Scheme from 14th November 2013 to 31st March 2015.

**Dr. Suruchi Chawla, Assistant Professor,  
Department of Computer Science**

- Organized workshop based on PHP, Javascript and HTML for website development in Department of computer science 7-10 Oct 2014.

**Ms. Para Dholakia, Assistant Professor in Senior Scale,  
Department of Food Technology**

- Attended international workshop on ‘Micro-nutrients and Child Health’ organized by AIIMS from 3-7 November, 2014

**Dr. Radhika Bakshi, Assistant Professor in Senior Scale,  
Department of Biomedical Science**

- Convener for Workshop on Bioinformatics: An Interdisciplinary and Applied Science” organized at SRCASW under the aegis of Star College Scheme, Department of Biotechnology, Government of India on February 26-27, 2015.

**Dr. Shruti Banswal, Assistant Professor in Senior Scale,  
Department of Biomedical Science**

- Attended refresher course in life sciences from 9th December to 30th December 2014 conducted by CPDHE (UGC-ASC), University of Delhi at Botany Department of University of Delhi.
- Organized one day certificate entrepreneurship development workshop for students of Delhi University. It was held on 18th October, 2014 at Shaheed Rajguru College of Applied Sciences for Women. This was organized in collaboration with NIESBUD and our well placed Alumni entrepreneur.

**Dr. Varsha Mehra, Assistant Professor in Senior Scale,  
Department of Biomedical Science**

- Published Research article: “Antibacterial potential of *Elletaria cardamom*, *Syzygium aromaticum* and *Piper Nigrum*, their synergistic effects and Phytochemical determination” Journal of Pharmacy Research 8(8) 1090-1096, 2014.
- Published a review article entitled “Phytochemical Evaluation and Pharmacological Activity of *Syzygium aromaticum* : A Comprehensive Review” International Journal of Pharmacy & Pharmaceutical Research 6(8), 67-72, 2014.
- Convener, National Conference on “Understanding the Mechanism and Challenges of Complex Diseases (UMCCD-2014)” organized by Department of Biomedical Sciences, Shaheed Rajguru College of Applied Sciences for Women, December 2014.
- Sanctioned the Research Project entitled “Isolation and characterization of *Adhatoda vasica* constituents for anti mycobacterial activity against *Mycobacterium Smegmatis* and *Mycobacteriumbovis* (BCG) *in vitro* and *ex-vivo* within human macrophages” by Department of Science and Technology, (DST) Government of India.
- Presented a talk entitled “Bacterial culture: Parameters and Industrial Applications” as resource person in 10 day add-on course entitled “Culture Techniques in Biology” organized by Swami Shraddhanand College, University of Delhi on 27th March, 2015.
- Attended a One day workshop on “IPR, Patenting and Patentability Assessment” at CIC, University of Delhi, 4th September 2014.

- Attended two day International Conference on “Recent trends in Biotechnology and Nanotechnology” organized by Sri Venkateshwara College, University of Delhi, 26th-27th April, 2014.

**Ms. Deepali Bajaj, Assistant Professor,  
Department of Computer Science**

- Published a paper “A Review of Multi-Protocol Label Switching: Protocol for Traffic Engineering on Internet” in International Journal of Computer Trends and Technology (IJCTT), Volume 11 number 3, May 2014, ISSN: 2231-2803.
- Published a paper “Regression Test Suite Minimization using Set Theory” in International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 5, May 2014 ISSN: 2277 128X.
- Attended one day workshop on “Network Analytics and Support Vector Machine” organized by Department of Computer Science, University of Delhi.
- Organized a talk on “Big Data Analysis and Visualization” in collaboration with Integer Innovation.

**Dr. Aakanksha, Assistant Professor,  
Department of Computer Science**

- Organized workshop based on PHP, Javascript and HTML for website development in Department of Computer Science, 7-10 Oct 2014.

**Dr. Indu Arora, Assistant Professor,  
Department of Biomedical Science**

- Presented a poster entitled “Biochemical synthesis of silver nanoparticles and their application in enhancing the shelf life of food products” in 1st International Conference On Emerging Trends Of Nanotechnology In Drug Discovery” organised by Sri Venkateshwara College, University of Delhi.
- Supervised an M.Sc. dissertation thesis entitled “Chemical synthesis of silver nanoparticles using fruit peel of mango and its characterization”.
- Done a refresher course in “Environmental Studies” from CPDHE, University of Delhi.

- Published a paper entitled “Modulation of liver and kidney toxicity by herb *Withania somnifera* for silver nanoparticles: a novel approach for harmonizing between safety and use of nanoparticle in Protoplasma.
- Presented a poster entitled “Antimicrobial studies of size dependent silver nanoparticles on microbes responsible for food decay” in conference UMCCD-2014 organised by Department of Biomedical Science, Shaheed Rajguru College of Applied Sciences for Women.

**Dr. Sneha Kabra, Assistant Professor in Senior Scale,  
Department of Instrumentation**

- Published paper titled “Development of e-resource on standard procedure of operation and applications of important electronic devices used by undergraduate science students” Sneha Kabra, Amita Kapoor, Himani Dua, DU Journal of Undergraduate Research and Innovation, 2015.
- Paper titled “Development of e-learning based module for teaching practicals in electronics to science and engineering students in India”, authored by Sneha Kabra, Himani Dua, and Amita Kapoor was accepted for oral presentation in “IEEE International Conference on teaching, assessment and learning for Engineering”, organized by Victoria University, Wellington, New Zealand from 8-10 Dec 2014.
- Paper titled “Development, use and impact of E-learning based modules for teaching Electronics To undergraduate girl students: A case study”, authored by Amita Kapoor, Sneha Kabra, and Himani Dua was accepted for oral presentation in “2nd IEEE International Conference on MOOCs, Innovation and Technology in Education” organized by Thapar University, Patiala, Punjab, India from 19-20 Dec, 2014.
- Presented the paper titled “E-Learning based approach for teaching experiments in Electronics, in National Conference on Striving and Thriving towards diffusion of student-driven research in Science and Technology for Inspired Learning, organized by Maharaja Agrasen College, University of Delhi from 16-17 October, 2014.
- Attended Seventeenth Refresher course in Computer Science and Information Technology, organized from July 28-August 22, 2014 by UGC academic Staff College, JNU.

- Guided Innovation project SRCA 203 “Development of e-resource on Standard procedure of operation and applications of important electronic devices used by undergraduate science students”.
- Worked as Joint Secretary in UGC sponsored first national conference on “Recent trends in Instrumentation and Electronics” (RTIE-2015) from January 5-6, 2015 held at Shaheed Rajguru College of Applied Sciences for Women.

**Dr. Projes Roy (Librarian in Senior Scale)**

- Awarded infoshare membership award in 2014-2015 from American Society for Information Sciences and Technology, Special Interest Group for International Information Issues (*SIG/III*).
- Invited for special lecture on “Indian library system and its advancement” at Department of Information Sciences at Silesian University Opava, Czech Republic, from 13-10-14 to 16-10-14.
- Presented invited talk at 4th Library and Information Professional Summit 2015 on “Transforming Dimension of IPR: Challenges for New Age Libraries” at National Law University Delhi on 23rd January 2015.
- Presented ‘Invited Talk’ at National Conference on the theme “Library Automation: Issues and Remedies in Present Scenario” sponsored by UGC on March 26th & 27th, 2015 at Aggarwal College, Ballabgarh. Haryana.
- Invited talk presented at ‘Refresher course for School Librarian’ conducted by SCERT at SCERT center Moti Bagh and Yamuna Vihar, Delhi.
- Edited and reviewed the Library and Information Science textbook of class XII by Central Board of Secondary Education.
- Invited as a subject expert at Shaheed Sukhdev College of Business Studies for the selection of Junior Library Assistant.
- Invited as a subject expert at Sri Venkateshwara College for the selection of the Librarian.
- Conducted a workshop “Sharpen Your Communication, Writing and Research Skills” on 1st of November 2014 at YMCA Delhi.

**Ms. Monika Tyagi, Assistant Professor,  
Department of Instrumentation**

- Published a paper titled “Polymer Nanocomposites and their Applications in Electronics Industry” in International Journal of Electronic and Electrical Engineering (IJEEE) Vol 7, No.6 pp. 603-608, ISSN 0974-3154.
- Presented and published paper titled “Current voltage (I-V) characteristics of MWCNT/polyaniline Nanocomposites” in proceedings of National Conference on Recent Trends in Instrumentation and Electronics on 5-6 January 2015 at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.
- Published paper titled “Silicon Micromachining: Prospects and Challenges for future applications in MEMS Fabrication” in proceedings of National Conference on Recent Trends in Instrumentation and Electronics on 5-6 January 2015 at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.
- Published paper titled “Changing Landscape of ETL with Big Data” in proceedings of National Conference on Emerging Trends in Computer Science and Information Systems on 13th-14th March 2015 at Maharaja Agrasen College, University of Delhi.
- Was organizing committee member in National Conference on Recent Trends in Instrumentation and Electronics (RTIE) held on 5-6 January 2015 at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.
- Organized 2 day workshop on “Embedded Systems: 8051 and various peripherals for automation” in collaboration with Sofcon India Private Limited at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on 19-20 March 2015.
- Organized and lectured in 3 day workshop on “Embedded system design using 8051 microcontroller” at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on 17-18-19 November 2014.

**Ms. Saumya Chaturvedi, Assistant Professor,  
Department of Food Technology**

- Attended a short term course on Processing and Utilization of Soy for TSP, Bakery, Ready to Eat Foods and in Snack Food

Applications organized by USSEC and AIBTM from November 4-5, 2014.

- Organised a two day in-house training programme on “Food Safety Management System” in collaboration with CII on 28th-29th October 2014.

**Ms Sonia Ahlawat (Assistant Professor),  
Department of Electronics**

- Supervised second year B.Sc. (H) Electronics students for in-house summer training on project entitled, Variation in Application from May/June 2014.

**Dr. Manisha Khatri (Assistant Professor),  
Department of Biomedical Science**

- Published Research article “Synthesis, biological evaluation and molecular docking study of novel piperidine and piperazine derivatives as multi-targeted agents to treat Alzheimer’s disease” in *Bio-organic and Medicinal Chemistry*, (2015), 23(5), 1135-48.
- Published Review article “Phytochemical evaluation and pharmacological activity of *Syzygium aromaticum*: A comprehensive review” in *International journal of pharmacy and pharmaceutical sciences*, (2014), 6(8), 67-72.
- Published Research article “Antibacterial potential of *Elletaria cardamomum*, *Syzygium aromaticum* and *Pipernigrum*, their synergistic effects and phytochemical determination” in *Journal of Pharmacy Research*, (2014), 8(8), 1090-1096.
- Sanctioned a Research Project entitled “Isolation and characterization of *Adhatoda vasica* constituents for anti mycobacterial activity against *Mycobacterium Smegmatis* and *Mycobacteriumbovis* (BCG) in *vitro* and *ex-vivo* within human macrophages” by Department of Science and Technology, (DST) Govt. of India.
- Organizing Secretary, National Conference on “Understanding the Mechanism and Challenges of Complex Diseases (UMCCD-2014)” organized by Department of Biomedical Sciences, Shaheed Rajguru College of Applied Sciences for Women, from 29th to 30th December, 2014.



- Attended International Conference on “Molecular Mechanism of Infectious Diseases” organized by University of Kashmir from 15th April, 2014 to 18th April, 2014.
- Acted as Reviewer for following Journals:
  - a) Journal of Pharmacy Research.
  - b) International Journal of Pharmacy & Pharmaceutical Sciences.

**Dr. Safdar Ali, Assistant Professor,  
Department of Biomedical Science**

- Organizing Secretary for Workshop on Bioinformatics: An Interdisciplinary and Applied Science” organized at SRCASW under the aegis of Star College Scheme, Department of Biotechnology, Government of India on February 26-27, 2015.
- Published listed papers in international peer reviewed journals as corresponding author:
  - i. C M Alam, C Sharfuddin, *Safdar Ali* (2015) Analysis of simple and imperfect microsatellites in Ebola virus species and other genomes of Filoviridae family. *Gene Cell and Tissue (In Press)*.
  - ii. C M Alam, A K Singh, C Sharfuddin, *Safdar Ali* (2014) In-silico exploration of thirty alpha virus genomes for analysis of the simple sequence repeats. *Meta Gene* 2:694-705.
- Acted as a Reviewer for following journals:
  - a. Gene
  - b. Meta Gene
  - c. Infection Genetics and Evolution
  - d. Plant Physiology and Biochemistry

**Ms. Shikha Goel, Assistant Professor,  
Department of Food Technology**

- Attended a short term course on Processing and Utilization of Soy for TSP, Bakery, Ready to Eat Foods and in Snack Food Applications organized by USSEC and AIBTM from November 4-5, 2014.

**Dr. Neha Katyal, Assistant Professor, Department of Electronics**

- Supervised a second year B.Sc. (H) Electronics student for four week summer internship for the project entitled “To study the effect of coupling coefficient on photo refractive material” in May-June 2014.

- Was member of local organizing committee for UGC sponsored National Conference Recent Trends in Instrumentation and Electronics organized jointly by the department of Electronics and Department of Instrumentation on 5th-6th January 2015.

**Ms. Urmil Bharti, Assistant Professor,  
Department of Computer Science**

- Published Research Paper on “*Control Library for Testing Object Oriented Software*” (ISBN: 978-93-84224-27-1). Presented in UGC sponsored National Conference on “*Emerging Trends in Computer Science and Information systems*”, organized by Department of Computer Science, Maharaja Agrasen College, University of Delhi held in March 2015.
- Attended one day workshop on “Network Analytics and Support Vector Machine” organized by Department of Computer Science, University of Delhi

**Ms. Tanu Bharadwaj, Assistant Professor, Instrumentation**

- Cleared JRF in Electronics.
- A Review paper on the topic of “A Review on Immobilization Techniques of Biosensors” has been published in the International Journal of Engineering Research and Technology (IJERT).
- A Review paper on the topic of “An Update on Biosensor Technologies” is in process of publishing in the International Journal of Advanced Research in Engineering and Technology.
- A research paper on “Generation of Electricity from Aloe Vera Plant: A Step towards Creating an Era” has been published in a conference of “Recent Trends in Instrumentation and Electronics” organized by Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.
- Participated in a 3 day workshop on “MATLAB Fundamentals” from 17-19th November, 2014 organized by Mathworks and University of Delhi in Delhi University Computer Centre, North Campus.
- Participated in a 2 day hands-on workshop on “Embedded system: 8051 and various peripherals for automation” from 19-20th March, 2015 organized by Sofcon group, National Skill Development

Corporation and Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.

- Participated in a 2 day National conference of “Recent Trends in Instrumentation and Electronics” from 4-5th January, 2015 organized by Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.

**Dr. Lakshmi Sareen, Assistant Professor,  
Department of Environmental Sciences**

- Attended Youth Science Congress on 27-28 February 2015 organised by Department of environment and Indian society of environment.
- Workshop on reproductive biology of angiosperms 16 and 17 March 2015 organized by Dayal Singh college and ILLS south campus.
- Workshop on the development of Herbal Garden Ankuran organised by Shivaji College, NMPB Ministry of Ayush, Government of India, CEE and department of environment, government of NCT of Delhi.

**Ms. Neha Garg, Assistant Professor, Electronics**

- Supervised the students of B.Sc. (H) Electronics during the In-house summer training in 2014 on the project entitled Communication Systems.
- Was member of local organizing committee for UGC sponsored National Conference Recent Trends in Instrumentation and Electronics organized jointly by the department of Electronics and Department of Instrumentation on 5th-6th January 2015.

**Ms. Himani Dua, Assistant Professor,  
Department of Instrumentation**

- Co-authored a research paper in international conference TALE entitled “Development of e-learning based module for teaching practicals in electronics to science and engineering students in India” in 2014.
- Co-authored a research paper in national conference organized by MITE entitled “Development, use and impact of e-learning based modules for teaching electronics to undergraduate girls” in 2014.

- Co-authored a research paper in conference proceedings organized by Maharaja Agrasen College, University of Delhi, entitled “E-learning based approach for Teaching Experiments in Electronics” in 2014.
- Co-authored a research paper in international journal DU Journal of Undergraduate Research and Innovation published by University of Delhi entitled “Development of e-resource on standard procedure of operation and applications of important electronic devices used by undergraduate science students” in 2015.

**Ms. Surbhi Aggarwal, Assistant Professor,  
Department of Electronics**

- Supervised a second year B.Sc. (H) Electronics student on a project entitled To study the effect of Optical Activity on Photo refractive Materials in May/June 2014.
- Was member of local organizing committee for UGC sponsored National Conference Recent Trends in Instrumentation and Electronics organized jointly by the department of Electronics and Department of Instrumentation on 5th & 6th January 2015.

**Mr. Deepak Jaiswal, Assistant Professor,  
Department of Electronics**

- Was member of local organizing committee for UGC sponsored National Conference Recent Trends in Instrumentation and Electronics organized jointly by the department of Electronics and Department of Instrumentation on 5th & 6th January 2015.

**Ms. Tina Sachdeva, Assistant Professor,  
Department of Computer Science**

- Attended a 4 day International Workshop from 20-23 December 2014 on “Big Data Analytics” held at IIT Delhi and jointly organized by IIT Delhi, DU, JNU, IIIT Delhi and University of Aizu, Japan.
- Mentored “Robo-Irrigator “ e-Yantra Project (initiative of MHRD).

**Ms. Vandana Arya, Assistant Professor,  
Department of Food Technology**

- Presented a Poster in 2nd PAI Conference and International Symposium “Probiotic and Microbiome — Gut and Beyond”

- Awarded with “Best Display Award” for innovation project in Antardhwani “2015” under Health concern theme.
- Attended 2 day training on “Application of Statistical Package for Social Sciences (SPSS).

**Ms. Jhankar Tyagi, Assistant Professor,  
Department of Computer Science**

- Published a Review paper “Bursting the cloud : Security threats & Preventions” in International journal of Advanced Research in Computer Science (IJARCS), ISSN No. 0976-5697.
- Successfully completed two week CCNA Instructor training program (16 -28 February 2015).

**Ms. Asha Yadav, Assistant Professor,  
Department of Computer Science**

- Published a paper “Success of Windows 8: Capturing multiple markets”, International Journal Of Engineering and Computer Science ISSN:M2319-7242, Volume 3 Issue 5 may, 2014 Page No.6099-6103. (Co-Author).
- Published a paper “Insights of Deep Web: What Google can’t search”, International Journal of Engineering Sciences & Research Technology ISSN: 2277-9655, Volume 3 Issue 6 June, 2014 Page No.796-799. (First Author).

**Ms. Ritu Jain, Assistant Professor, Department of Instrumentation**

- Participated in 3 Days workshop on MATLAB organised by MATHS WORKS training services at computer centre, University of Delhi in 17-19 November 2014.
- Went on 12 day educational trip of Gyanodaya V organised by university of Delhi for conducting research project in 18-30 December 2014.
- Acted as a part of local organising committee for National Conference on “Recent trends in Instrumentation and Electronics” at Shaheed Rajguru College of Applied Sciences for Women, Delhi University in 2-5 January 2015.
- Research paper has been accepted by DU journal Paper Title : THE NAGA’s SATURNALIA — Festivities & Celebrations of Nagaland (Emphasizing on Various Dance forms and Folk songs).

**Mr. Sumit Kumar, Assistant Professor,  
Department of Computer Science**

- Published a paper titled “Semantic Web Attacks and Counter measures” in IEEE International Conference on Advances in Engineering & Technology Research (ICAETR-2014).
- Published a paper titled “Security Ontology based Intrusion Detection System for Semantic Web” in Third International Conference on Reliability, Infocom Technologies and Optimization (ICRITO-2014).

**Activities of the Students**

The Academic Session commenced on 21st July 2014 for which orientation programme was organised on the same day. Mr. Sarvagya Srivastava, Chief Engineer, PWD was the chief guest of the programme. The college students presented song and dance programmes.

A number of activities were organized throughout the year under the guidance of Ms. Deepali Bajaj, Cultural Secretary and Ms. Para Dholakia, Students Advisor.

**Fresher’s Party**

Extra Curricular Activities began with the Fresher’s party on 13th August 2014 in which a warm welcome was extended to the newly admitted students. Ms. Fresher’s title was bagged by Ms. Divya Chadha of BMS department.

**Independence Day**

Shaheed Rajguru College was all set to celebrate the great day of August 15, the Independence Day. Everyone on the campus was geared up and enthused for the momentous occasion. The celebration started with the hoisting of the tricolour by Principal Dr. S. Lakshmi Devi, followed by the national anthem by Philyra, the music society of the college. In the midst of the motivational words and speeches, Ahaarya, the dance society of the college put up a dance drama based on the theme of independence.

**Students Council Election**

Students Council Elections were held on 5th September 2014 in compliance with Lyngdoh Committee recommendations. The following students were elected.

<b>Post</b>	<b>Post Holder</b>	<b>Stream</b>
President	Taniya Seth	Computer Science, 3rd Year
Vice-President	Kaavya Raveendran	Food Technology, 2nd Year
Secretary	Akanksha Dixit	Food Technology, 3rd Year
Cultural Secretary	Jigyasa Nagpal	Food Technology, 3rd Year
Joint Secretary	Areeba Nomaan	Computer Science, 2nd Year
Treasurer	Aditi Jain	Computer Science, 3rd Year

### **Class Representatives 2014-2015**

<b>Stream</b>	<b>Year</b>	<b>Class Representative(s)</b>
Computer Science	First Year Second Year Third Year	Nikita Bhagat Shakshi Bachhety Divyanshi Dhingra
Instrumentation	First Year Second Year Third Year	Roopal / Jyoti Deeksha Agarwal Deepika Dhania
Electronics	First Year Second Year Third Year	Simran Arora Varnika Bishnoi Sukriti Sukhija
Bio-Medical Sciences	First Year Second Year Third Year	Aayushi Kalra Toshita Kalkana Surbhi Sharma
Food Technology	First Year Second Year Third Year	Sweta Bainsla / Kirat Khushwinder Athira Menon / Shivani Mehla Alisha Bhateja / Preeti Dhiman

### **Swachh Bharat Abhiyan**

Government of India launched the “Swachh Bharat Abhiyaan” on 2nd October, 2014 with the goal of making our country clean. A committee was constituted in the college to share, discuss and implement various cleanliness plans for it. Under this, a local CSC Market, Dallupura, was adopted. To find out sources of squalor in the market area, students and teachers visited it on weekly basis. Committee members personally identified dirty areas in the market and took the initiative to clean it. A street play was performed there to change the public mindset about

health and hygiene issues. A survey has been initiated in the market to gather information about the cleanliness problems in the market and their solutions. The outcome of this is that vendors and shopkeepers have started keeping dustbins and they ensure that packets are disposed of properly.

### **Excursion to Jaipur**

College organized an excursion to Jaipur from 4th to 6th October 2014. More than 100 students and 10 faculty members went on this trip.

### **Diwali Mela**

The college organised Diwali Mela on 21st October 2014 in the college campus. Several stalls of games, food and mehendi were put up by the students to promote entrepreneurship among them. A rangoli competition was also organised along with different fun events like hand painting etc. A *dandia* evening was also organized.

### **National Unity Day**

The college celebrated “National Unity Day” on 31st October 2014 to mark the 139th birth anniversary of Sardar Vallabhbhai Patel. About 250 students full of enthusiasm and energy from the college accompanied by faculty members Ms. Urmil Bharti, Ms. Tina Sachdeva and Dr. Manisha Khatri left for Vijay Chowk early in the morning at 6.00 a.m. There, the students were addressed by honourable Prime Minister Shri Narendra Modi.

Later in the day, “Rashtriya Ekta Diwas” was celebrated in the college auditorium too to commemorate the birth anniversary of Sardar Vallabh Bhai Patel. The Principal Dr. S. Lakshmi Devi addressed the students and guided them to reaffirm the inherent strength and resilience of the nation to withstand the actual and potential threats to the unity, integrity and security of the country. To conclude, a Unity ring was made in the college ground by holding hands and every one orated the slogan “Hum Sub Ek Hai Aur Ek Rahenge”.

### **Good Governance Day**

24th December 2014 witnessed the college celebrating the National Good Governance Day to mark the birthday of former prime minister Shri Atal Bihari Vajpayee and birth anniversary of Pt. Madan Mohan Malviya. As a part of celebration, college organized a seminar on the topic “Use of Technology and Innovation in Good governance”. Chief



guest for the event was Dr. Rohini Ahluwalia, Director, Multi-domain Global Relationship Management (MGRM) and Ms. Shabnam Chitkara, Manager, MGRM. Multi-domain Global Relationship Management. The event started with a welcome address by Principal, Dr. S. Lakshmi Devi. Later, Ms. Shabnam delivered a lecture on e-governance which included the application of information and communication technology for rendering good governance. She highlighted the importance, methodology and concept of e-governance.

### **Gyanodaya V**

Gyanodaya V was organised in the most serene and divine place of India, the Northeast region. Out of the seven sisters of the east, 10 students of our college were fortunate to have been selected to visit Nagaland, the land of Festivals or the Switzerland of India! The students visited Kohima and got the opportunity to learn the language Angami, a tribal language widely spoken in Nagaland. In Kohima they visited a number of villages like Kohima village, Kisama village, Khezekenu village and Khonoma village. They also trekked the Puliebadze hill. The project of the students, named 'The Naga's Saturnalia' was on the Festivities and celebrations of Nagaland with special focus on their traditional music and dance. They interacted with a lot of experts, village leaders and general public and were able to collect ample data related to the project.

### **Internship Under the Vice Chancellor**

Six of our college students, Taniya Seth, Aditi Jain, Kanika, Neha Daga, Mayoori Nautiyal and Rana Jameel got selected for the Vice Chancellor's Winter Internship Programme for Undergraduates in the office of the Vice Chancellor of University of Delhi, Prof. Dinesh Singh, during the month of December. The objective of the internship was to acquaint the selected students of the Delhi University with key functions of the offices of the Vice Chancellor and his team in terms of community outreach and student services. Groups of Interns assisted and analyzed the functions of the University Guest Houses, DU Swachhata Abhiyan, Students' Journal (DU-Vidha), history of the University, Computer Centre IT Network systems, Delhi University Community Radio (DUCR), Delhi University Archives, the day to day activities of the Vice regal Lodge and other ongoing programmes. The internship was scheduled for a span of 20 days, from 9th December 2014 to 5th January 2015.

## **Swami Vivekananda's Birth Anniversary Celebration**

On January 12, 2015 the college celebrated the birth anniversary of Swami Vivekananda. Principal, Dr. S. Lakshmi Devi enlightened the students about the life and philosophy of Swami Vivekananda. The program was filled with colourful performances by the Dance Society "Aharya" and Music Society "Philyra". Dr. Shubhendu from Bio-Physics Dept. (South Campus) mesmerized the audience with his classical music performance.

## **Spiritual Talk by Ramakrishna Mission**

On 27th January, 2015, a talk was organized by college along with Ramakrishna Mission. The aim of talk was to impart moral values in youth for character building. Swami Shant Atmanand, Secretary, Ramakrishna Mission enlightened the students about the role of education along with moral values. Swamiji talked about role of self-confidence in the life of students. He emphasized on the ideology of Swami Vivekananda and how it can help in the growth of an individual in all perspective of life.

## **Eloquentia'15**

Inklings, the Literary Society of the college hosted the Literary Fest ELOQUENTIA'15 on 2nd March 2015. The fest witnessed tremendous participation by students from various college of Delhi and NCR.

Mr. R. P. Bhasin, retired Principal Delhi Public School presided over as the Chief Guest while former Principal, Dr. S. Lakshmi Devi was the Guest of Honour. A number of language and literature related events were organized which included IMPRESSION EXPRESSION (creative writing), FUN TRIVIA (literary quiz), FAB VOCAB (literary tambola), MINUTE TO WIN!, SPELL BEE, ANTITHESIS (debate).

## **Karvaan'15 (Cultural Festival)**

The annual Cultural festival of College Karvaan was organized on 11th and 12th March 2015. Various cultural inter college events like group and solo dance, group song, photography, fashion show were performed successfully. Students from different colleges participated in the events. A rock band show by "Char Hazari", a fusion band was organized on the first day of the event. The fest ended with DJ night.

A brief summary of the winners of various events is presented on the following page:

No.	Event Name	Prize	Name	College
1.	Just A Minute	First Second	Akshay Shivangi	SGND Khalsa SRCASW
2.	Handscape (Hand Painting)	First Second	Anjali Sharma Basirat, Shivangi	SRCASW SRCASW
3.	Anecdote (Comic Strip)	First Second	Dinika Saxena Vivek Singh	SRCASW DCAC
4.	Lensarc (Photography)	First Second Third	Hemant Mishra YashPrakahs Shahzeb Anwar	RLA College Pusa Polytechnic Amity, Noida
5.	Dancenium (Solo Dance)	First Second Third	Aakriti Gautam Nikhil Soni Neeraj Pandey	SGGSCC JIIT Shyam Lal
6.	Beat Puppets (Group Dance)	First Second Third	— — —	Satyawati (M) SGND Khalsa IGDTU
7.	Vogue (Fashion)	First Second	— —	KNC DSC, SRCASW
8.	Lalkaar (Street Play)	First Second Third	— — —	CVS Gargi College MAC
		Best Comedy Best Street Play Song		Bhagat Singh PGDAV
9.	Cadenza (Solo Song)	First (Western)	Heena Fatima	IHE
		Second (Western)	Anurag	Dr. K. N. Modi Foundation
		First (Classical)	Rahul Gupta	Faculty of Music
		Second (Classical)	Rhythm	Dayal Singh College
10.	Chorale (Group Song)	First Second	Tarkaas Raaga	IHE PGDAV
11.	Aflatoon (Bollywood Quiz)	First Second	Deepankar Prashant	DBC IIT, Delhi
12.	Battle of Bands	First Second	Alanwasha Nomadic Jams	SGGSCC Cross-College

## Other Participations and Awards

### 1. Philyra

Philyra, the music society, demonstrated a true amalgamation of melodious voices trained in various genres, from Indian Classical music to Western. This year, Philyrans performed in many competitions such as *Antardhvani*, *Chetna* (the annual cultural fest of Bhim Rao Ambedkar College), *Vande Mataram*, the annual choir competition organized by the culture council in Deen Dayal Upadhyay College, *Yuvaan* (the annual cultural fest of Maharaja Agrasen College) etc and won laurels in most of them. The achievements of the music society for the session 2014-15 are:

- Third Prize, Vande Mataram, Deen Dayal Upadhyay College
- First Prize, Taniya Seth and Rupa Rani, Duet singing competition, Bhim Rao Ambedkar College

### 2. Mukhauta

Mukhauta, the drama society, aims to spread a general awareness about the social, political and cultural views, through the form of street plays since 2012. Mukhauta performed in many colleges, and won laurels for the college. The achievements of Mukhauta are:

- First Prize, Antardhvani 2015
- First Position, IIIT Delhi
- Second Position, Delhi School of Business
- Third Position, Amity Youth Festival
- Selected in the top 6 teams Sahitya Kala Parishad
- Second prize, Maharaja Agrasen College
- First prize, Laxmibai College
- Second prize, Bharti Vidhyapeeth University

### 3. Glamfire

Glamfire, the fashion society, came into existence to showcase the glamour and collaborate it with culture. The list of victories of the fashion society include:

- Best Model, Ragya Kapoor, IIT Delhi
- Best Design, IIT Delhi
- Best Revlon Model, Garima Singh, IGDTU
- First Position, Sri Aurobindo College
- Second Position, Fortune Institute of Business Studies
- Third Position, Bhagini Nivedita College
- Second Position, Karvaan 2015, SRCASW

#### 4. Elvira

Elvira is the fine arts society which is a group of creative people from different departments of the college, who are responsible for the decor of the college during the various college events. They conducted many fine art events in *Karvaan*. Dimple Nigam of Elvira, won first prize in card designing at *Quintessence'15*, the Annual Cultural Fest of Lady Irwin College, to count a few of the successes of Elvira in various events.

#### 5. Inklings

Literary society gave the college students an opportunity to express their literary talents for example debating, quizzing, writing etc. The achievements of the various members are:

- Neha Tiwari won first prize in debate competition at Maharaja Agrasen College
- Srishti Arora, Anchal Gupta participated in the debate competition at Gandhi Bhawan
- Kaavya and Neha participated in the debate held by Women's Association

#### 6. Ahharya

Ahaarya (meaning “expression” or “a way to express”), is the dance society which participated in almost every cultural as well as departmental fest of the colleges spanning the Delhi NCR region

in the category of western group dance, western solo, classical solo, and duet. Their achievements include:

- Second position, BRAC
- Second Position, PGDAV
- Second Position, SRCASW

## 7. Shuffle Shots

The photography society has many enthusiastic members from all streams of the college. The Society has been actively covering seminars and celebrations held in the college in the year 2014-15. The members of Shuffle shots have successfully covered events like : Swachha Bharat Abhiyan, Silver Jubilee Celebrations, Workshops and Seminars, Technical and Cultural fests held in the college. Many members participated in the photography competitions held both in and outside the college and won laurels to the college.

Achievements of the society are:

- Jigyasa Nagpal, second position in photography competition, Bhaskaracharya College of Applied Sciences
- Anchitaa, second in photography competition at Technexus

## Academic Prizes

### Glimpses of Result

#### Overall (2011-2014)

Stream	I	II	III
B.Sc. (H) Biomedical Science	Sumedha Saluja	Monisha Uppal	Tenzin Dolma
B.Sc. (H) Computer Science	Ruchi Goyal	Surbhi Gupta	Ayushi Kapoor
B.Sc. (H) Electronics	Aayushi Gaur	Anchali Jain	Rupali Pandey
B.Sc. (H) Food Technology	Dolly	Priyanka Rathi	Akanksha Gupta
B.Sc. (H) Instrumentation	Archana Sharma	Deeksha Narula	Ankita Singh

### III Year (2013-2014)

Stream	I	II	III
B.Sc. (H) Biomedical Science	Sumedha Saluja	Monisha Uppal	Tulika Banerjee
B. Sc. (H) Computer Science	Ruchi Goyal	Priyanka Saxena	Sakshi Jain
B. Sc. (H) Electronics	Aayushi Gaur	Rupali Pandey	Anchali Jain
B. Sc. (H) Food Technology	Dolly	Nancy Talwar	Tavleen
B. Sc. (H) Instrumentation	Archana Sharma	Ankita Singh	Poonam Kumari

### II Year (2013-2014)

Stream	I	II	III
B. Sc. (H) Biomedical Science	Neha Chaudhary	Manasvi Gupta	Priya Sharma
B. Sc. (H) Computer Science	Annu Joshi	Divya Gandhi Dristhti Srivastava	Ruchika Salwan
B. Sc. (H) Electronics	Pooja Sharma	Neha Daga	Jyoti Saxena
B. Sc. (H) Food Technology	Shweta Srivastava	Anam Hashmi	Sristy Gupta
B. Sc. (H) Instrumentation	Ms. Bharti Kathoiya	Ms. Bhawana	Ms. Neha Mittal

### I Year (2013-2014)

Stream	I	II	III
B.Sc. (H) Biomedical Science	Mahima	Richa	Kajal Garg
B.Tech. Computer Science	Dinika Saxena	Nehal Sharma	Diksha Tewari
B.Tech. Electronics	Koushikey	Smita Gupta	Ritu Gupta
B.Tech. Food Technology	Kaavya Raveendran	Mansi Manchanda	Deergha Manocha
B.Tech. Instrumentation	Ms. Kanika Juneja	Ms. Mehak	Ms. Anushka Singh Ms. Sheetal Sans

## Annual Day Prizes

Particulars	Biomedical Science	Computer Science	Electronics	Food Technology	Instrumentation
<b>Best student</b>	Palak Parashar	Drishti Srivastava	Jyoti	Shweta Srivastava	Deepika Dhanekar
<b>Most Disciplined</b>	Nomita Gupta	Sweta Rani	Vineeta Motilal	L. Gopika	Bhawna Maan
<b>All Rounder</b>	Taniya Seth (Computer Science IIIrd year)				
<b>Most Disciplined Class</b>	B.Sc. (Hons.) Food Technology and B.Sc. (Hons.) Computer Science IIIrd year				
<b>Highest Attendance</b>	Sarushi Rastogi, B.Sc. (Hons.) Food Technology IIIrd year, 99.96%				

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. I once again extend a warm welcome to all of you.

Thanks!

