



ANNUAL REPORT 2015-16

It is with a great sense of anticipation that all of us at Shaheed Rajguru College 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 effort of members of the college in enhancing the academic, social and cultural ethos of the college.

Today we celebrate the 25th Annual day of the college which means more than 25 years of togetherness, dedication, commitment, cooperation and evolution.

We are extremely honoured to have **Mr. Gopal Rai**, Transport and Rural Development Minister of Delhi. Mr. Rai is a Post-graduate in Sociology from Lucknow University. He began his career with the All India Students Association, the student wing of the Communist Party of India, in Lucknow University. He is a member of the National Executive of the Aam Aadmi Party. He is also a social activist and a member of the Political Affairs Committee of the Aam Aadmi Party.

We are indeed fortunate to have **Prof. Ajoy Ghatak**, a renowned physicist with us on this occasion. Professor Ghatak has written over 170 research papers and more than 20 books. His undergraduate text on *Optics* has been translated to Chinese and Persian and his monograph on *Inhomogeneous Optical Waveguides* (co-authored with Professor Sodha) has been translated to Chinese and Russian. In 1995, he was elected Fellow of the Optical Society of America for distinguished service to optics education and for his contribution to the understanding

of propagation characteristics of gradient index media, fibers and integrated optical devices.

He received his M. Sc. from Delhi University and Ph. D. from Cornell University. After a short stint as a Research Associate at Brookhaven National Laboratory, Professor Ghatak joined the Indian Institute of Technology, Delhi in 1966. He retired as an Emeritus Professor of Physics at IIT, Delhi in 2007. He has received various *awards and honours* like SPIE Educator Award (2008), Esther Hoffman Beller Medal (2003) of the Optical Society of America, Galileo Galilei Award (1998) of the International Commission for Optics, S. S. Bhatnagar Prize for Science and Technology, Physical Sciences (1979) of the Council of Scientific and Industrial Research.

It is our privilege to have **Mr. Shiv Kumar, IAS**, 2008 batch, AGMUT cadre with us. He is an M. A. in Geography from Patna University, Patna and is presently posted as Director (Higher Education) under GNCT of Delhi since November 2015. Before this he served the position of Additional Commissioner (VAT) under GNCT of Delhi and Deputy Commissioner in Arunachal Pradesh. He was also the sub-divisional magistrate in Goa during 2010-12. Before joining this service, he served as a teacher for almost six and half years in Kendriya Vidyalaya.

We are also very fortunate to have with us **Dr. S. Lakshmi Devi**. She is the Founder Principal of our college. She was 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, Government of India. She is the Vice President of Association of Food Scientists and Technologists, Delhi Chapter. She has been appointed as the Hony. Director of Centre of Entrepreneurship and Career Oriented Program by the University of Delhi. 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.

Like every year, we witnessed a marathon of academic and cultural events. I would like to apprise our guests of the progress and the activities of the college.

NAAC Visit

College feels elated to have been accredited grade “A” by National Assessment and Accreditation Council (NAAC). It is a moment of honour and pride to have been placed amongst the top rated universities/ colleges of the country. The peer review team constituted by NAAC authorities visited college on 5th, 6th and 7th November 2015. The team was headed by Prof. Kuldeep Kumar Raina (Chairman) along with Prof. Rita Bakshi (Coordinator) and Prof. Savita Dixit. They interacted with the Principal, faculty members, staff, students, alumni and parents. They visited all the departments and laboratories. The interactions with the students in the labs and class rooms were very constructive and valuable. The support services of the college such as library, office, hostel, canteen, NSS room and the sports facilities. The team indeed facilitated critically assess ourselves. They helped us in identifying our strengths and weaknesses. They shared valuable suggestions that will definitely help us improve and utilize our potentials more. As a token of remembrance, the team planted a chickoo plant (*Manilkara zapotaa*) in the fruit orchard of the college.

National Conference on Advancements in Electronics and Computer Applications — 4-5 February, 2016

Department of Electronics & Computer Science organised a **UGC and Department of Electronics & Information Technology (DeitY)** sponsored **National Conference on Advancements in Electronics and Computer Applications** on 4-5 February, 2016. NCAECA’16 aimed to bring together undergraduate students, postgraduate students, researchers, scientists, engineers and technologists working in academic institutes, research laboratories and industries to interact with each other by providing an opportunity to present their work as well as exchange information and understanding on recent advancement in the field of Electronics & Computer Science application.

The Chief Guest, honourable Prof. Mushahid Hussain, Vice Chancellor, M. J. P. Rohilkhand University, Bareilly enlightened the students on the topic Nano-Science. Special invitees were Dr. S. K. Muttoo (Department of Computer Science) University of Delhi and Prof. Avinashi Kapoor (Department of Electronics), University of Delhi. Invited speakers shared

valuable knowledge on different realms of advancement in technology in the field of electronics and computer science.

National conference on Advances in Food Science and Technology — 16-17 March, 2016

The Department of Food Technology, Shaheed Rajguru College of Applied Sciences for Women organized first National conference on Advances in Food Science and Technology on 16-17 March, 2016. The conference was sponsored by University Grants Commission and Department of Biotechnology, Govt. of India. It provided a common platform to research scholars, academicians, industry professionals and students to share new innovations, research findings, recent trends and developments in the area of Food science, Nutrition, Safety, Food Regulatory affairs etc. The conference saw participation of more than 200 people over two days.

The conference began with a formal inaugural session. Dr. K. M. Chacko, Director, Sri Ram Institute of Industrial Research was the guest of honour. Other guests included Dr. S. Lakshmi Devi, Former and Founder Principal of the college, Mr. K. L. Radhakrishnan, Former Secretary and Chief Editor, All India Food Processors' Association and Ms. Richa Pandey Mishra, Chairperson, Governing Body. The guests were welcomed by Principal and Conference Patron, Dr. Payal Mago. Dr. K. M. Chacko gave the inaugural address.

The conference included technical sessions and oral paper presentations. About 35 papers were published in the proceedings and 50 posters were presented.

Interlock Session of College Students with Transport Department for U-Special

An interlock session regarding arrangement of U-special service and metro feeder facility for the college students was organised with Shri Vijay Chauhan, District Incharge of Lakshmi Nagar. The event began with a presentation on the problems being faced by the students in commuting through the Bhajanpura-Noida route along with suggestions

for improving means of transport for the students. As a success of this initiative, Delhi Transport Department has started u-special bus facility from Bhajanpura to college (Route No. 33).

Interdisciplinary Workshops

- A workshop was organized by college on 8th February, 2016 and 13th February, 2016 to give hands on training to students of M. Sc. Anthropology, Delhi University in field of biological, biochemical, analytical techniques. This workshop was coordinated by Dr. Sadhna Jain (Department of Biochemistry) and Dr. Rekha Mehrotra, Dr. Jasjeet Kaur, Dr. Shuchi, Dr. Daya Bharadwaj, Dr. Varsha Mehra, Dr. Indu arora, Dr. Manish Khatri were involved for successful completion of the workshop.
- Department of Computer Science and Department of Electronics organized lecture series on ‘Android Technologies’ in association with Xperia Infotech, Pvt. Ltd. Noida from 14th December to 22nd December, 2015 which was coordinated by Ms. Preeti Singhal, Ms. Deepali Bajaj, Ms. Monika Tyagi, Ms. Sonia Ahlawat, Ms. Asha Yadav, Ms. Seema and Mr. Sumit Kumar.

Innovation Projects

The following innovation projects are being undertaken in the college :

<i>S. No.</i>	<i>Innovation Project Title</i>	<i>Principal Investigators</i>
301	Synthesis and characterization of magnetic nano particles for tumour treatment	Dr. Alka Vohra Kuanr Ms. Sonia Ahlawat Dr. Rekha Mehrotra
302	Group based coordination for information exchange in ad-hoc networks	Dr. Aakanksha Ms. Tina Sachdeva Ms. Neha Garg
303	Transition metal based spinel oxide-graphene nanoribbon composites for removal of pesticides from water	Dr. Indu Arora Ms. Chaynika Babbar Dr. Hema Kundra
304	Impact of behavioural addiction to use of gadgets on physical and mental health	Ms. Venika Gupta Dr. Projes Roy Ms. Seema Thakur

<i>S. No.</i>	<i>Innovation Project Title</i>	<i>Principal Investigators</i>
306	Health Buddy-Android based mobile application to track nutritional intake of young college students	Ms. Deepali Bajaj Ms. Para Dholakia Ms. Asha Yadav
307	Bioactive component quantification and inhibitory activity of <i>Murraya Koenigii</i> (Curry leaf) extracts against key enzymes linked to the pathology and complications of type 2 diabetes	Dr. Varsha Mehra Dr. Ranjana Singh Ms. Shikha
308	Design, Synthesis and evaluation of antidiabetic activity of substituted alkylcarboxylic acid derivatives as GPR40 agonists	Dr. Manisha Khatri Dr. Deepa Joshi Dr. Payal Mago
310	Assessment and co-relation of air quality index of east Delhi region with vital respiratory parameters of adolescent population	Dr. Jasjeet Kaur Ms. Daya Bhardwaj Dr. Shuchi Dhingra
311	Biochemical evaluation of sprouted fenugreek seeds for nutraceutical management of type-2 diabetes using in vitro assays	Dr. Sadhna Jain Dr. Punita Saxena Ms. Ritu Jain
312	Complexity of repeat sequences in differential genomes of plant/animal infecting viruses	Dr. Mohd. Saquib Ansari Dr. Safdar Ali Mr. Deepak Jaiswal
313	Unravelling the genetic basis of Acute Myeloid Leukaemia (AML)	Dr. Radhika Bakhshi Ms. Saumya Chaturvedi Dr. Neha Katyal
314	Isolation and characterization of halotolerant bacteria from saline environments and study the effects in wheat seedlings	Dr. Shruti Banswal Ms. Vandana Ms. Urmil Bharti
315	Development of Garden-bot : An automatic irrigation system sensing soil moisture content using self made sensor for efficient use of resources and optimum flow of water in the fields	Dr. Amita Kapoor Dr. Suruchi Chawala Ms. Shalu Sharma
316	Low cost eco friendly Solar Inverter — A standalone solar power system for households	Dr. Sneha Kabra Ms. Himani Dua Ms. Ritika Chopra
317	Mobile phone based attendance app : An innovative approach towards futuristic e-colleges	Ms. Preeti Singhal Ms. Monika Tyagi Mr. Sumit Kumar

Departmental Activities (2015-2016)

Department of Biomedical Sciences

- Department of Biomedical Sciences celebrated **World Pharmacy Week** on September 7, 2015. Students of the department gave presentation on important drug discoveries and pharmaceutical industries which was followed by an interesting presentation of scientoons and a documentary.
- September 21 was celebrated as world **Alzheimer's day**. **Dr. Pravat Mandal** from National Brain Research Centre and a speaker from Alzheimer's and related disorder society of India delivered speech on the occasion.
- First year students of the department attended a seminar at **AIIMS on Institute Day Celebration** on 26 September, 2016.
- The department organised its annual departmental fest, **PLEXUS** on October 14, 2016 which included a talk by **Dr. B. N. Malik** from JNU and **Dr. Bina Sawhni** from Ministry of Health & Family Welfare followed by competitions like quiz, trash craft, prop it up and a case of missing identity.
- On October 20, 2016 final year batch of the department went to **ICGEB** to visit various labs at the institute.
- The department organised an **educational-cum-excursion trip to Jim Corbett** in the month of October. A visit was made to **Indian Medicines Pharmaceutical Corporation limited**.
- **Ms. Supriya Davis**, a graduate from Swathmore College, Pennsylvania who is a candidate of Fullbright Nehru student research program visited the department in November to guide the students about scholarships available for pursuing higher studies.
- On January 12, 2016, **Dr. Pradeep Srivastava** delivered a talk on his invention 'Scientoon'.

- On 22 January, 2016, **Dr. Ankita Arora**, our alumni who recently completed her Ph.D. from Germany delivered a talk on “RNA imaging”.
- A visit was made to **Regional Centre for Biotechnology**, Faridabad by the final year batch on February 3, 2016. Their labs were visited by the students.
- Students of the department attended a talk organised at **AIIMS** on 10 March, 2016 on the occasion of **World Kidney Day**.

Department of Computer Science

- Department of Computer Science under the supervision of Ms. Deepali Bajaj and Ms. Urmil Bharti has initiated “**Computer Literacy Program**” in collaboration with Galaxy Coaching Classes and Manav Ujjwal Samaaj Samiti, Kondli for a batch of 60 women students of the underprivileged section of the society. The chief guest who graced the occasion was Mr. Manoj Kumar, MLA from Kondli, Delhi. This programme helped them to be self reliant and confident in using current information technologies in their day to day life and also make them suitable for jobs where basic computer literacy is a pre-requisite. Departmental teachers and students are voluntarily teaching these underprivileged students. Ms. Shakshi Bachhety is the student coordinator of the program and her efforts are appreciated by all.
- Organized a talk on “**Big Data and Hadoop**” by **Mr. Vishal Bhatnagar**, Associate Professor, Ambedkar Institute of Advanced Technology & Research (GGSIP University).
- Organized annual IT festival “**Tech Melange 2015**”. This technical extravaganza was the perfect confluence of technology, creativity and fun with the motto ‘Technocrats United’. The event was presided by **Mr. Adarsh Shastri**, Parliamentary Secretary of Department of IT, Delhi and MLA, Dwarka Constituency. The event had an array of technical and non-technical events, including an online riddle event BRAINWRECK, and witnessed a whopping participation of more than 500 students from more than 30 institutes across Delhi-NCR

including the prestigious IIT Delhi, IIITD, Amity, IGDTUW, JNU, NSIT, G. B. Pant, CIC (DU) and IP University.

- Successfully deployed **Online Voting System** to automate the election system of our department using desktop application. Application was designed and coded in J2EE with Oracle server as backend using Net Beans IDE 6.5.1 interface. Around 210 students casted their vote on this online system for Departmental Council Elections, 2015.
- Organized in-house industrial demonstration on **“3D Designing and Printing”** by **Mr. Tarun Rai Taneja**, Nova Beans.

Department of Electronics

- Department of Electronics celebrated the annual technical fest **Electromania Blitz’15**. Just like every year, the fest had technical, gaming and fun events. The event started with an inspirational speech from an alumni of our department, **Ms. Sonia Nagpal**, Sr. Vice President-D2C at Augment Enterprises Pvt. Ltd. She shared her experiences of the corporate world and keyed up the audience to follow their dreams. The tech fest witnessed following events : Robofreak, lan battle, circuit trove, Codage extravaganza, tambowords, tech-kriti.
- The Department of Electronics organized a lecture on **“Semiconductor Industry Dynamics and the Evolving Technologies”** by **Mr. Anuj Gupta**, Manager, Customer Support, IO Solutions, TR&D, ST Microelectronics, Greater Noida on 13th January, 2016. The talk covered the dynamics of semiconductor industries, Challenges and Evolution of new technologies and also an overview of FDSOI Technology.
- A lecture on **“Computer Networking”** was conducted by Jetking, Noida which focused on data security and network connections.
- The 3rd year B. Tech Students had a hands-on training while visiting the Sofcon Industry, Noida.

Department of Food Technology

- Organized a **National Conference on Advances in Food Science and Technology** is organized by Department of Food Technology on 16th-17th March, 2016.
- 12 Students visited Mother Dairy, Patparganj under **Khadya Suraksha Abhiyan Scheme** organized by CII on 3rd March, 2016.
- The students and Faculty attended a seminar on Global Issues : **“Food Safety and Food Laws”** organized by AFST (I) Delhi Chapter on 23rd February 2016 at Lady Irwin College.
- A **career counseling session** was conducted by the alumni of the Department of Food Technology on 13th February 2016 for all the food technology students.
- 2 Faculty Members visited the Regional Center for Biotechnology, Faridabad with students on 3rd February, 2016.
- The student volunteers enrolled with CII attended the Training program **“1st Street Food Vendors Train the Trainer Module”** on 11th January, 2016 at CII Headquarters, Lodhi Road, New Delhi.
- **Ms. Kaavya Raveendran** of B. Tech. Food Technology was awarded with Silver Medal & Certificate by the **‘Italian Technical Services Food Safety Silver Medal’** for the year 2014 and given during the 71st Annual Conference of AIFPA on 17th December, 2015 at Auditorium, India International Centre, Lodi Estate, New Delhi.
- The students and faculty of the Department attended National Seminar on **“A Decade of Progress, Challenges and Opportunities in the Food Processing Sector — Way Forward”** held on 17 December, 2015 at India International Centre, Lodhi Road, New Delhi

- The students and faculty attended DBT organized **Workshop-cum-Camp on Foldscope**, an origami microscope at Sri Venketeswara College and public lecture at Gargi College including the interaction session for teachers and students of different life science departments in colleges supported by DBT under the Star College Scheme.
- 3 Faculty members of the Department participated in QIP Short term Course on **“Trends in Harnessing Food Safety and Quality : Indian Prospective”** on 1st-4th December, 2015 at IIT Delhi.
- The students and Faculty attended the World Food Day Celebrations and National Seminar on **“Social Protection and Agriculture — Role of Cooperatives and Food Processing Industries”** organized by AFST(I) Delhi Chapter on 16th October, 2015 at NCU Auditorium.
- The Department celebrated **“World Food Day”** on 13th October, 2015 with great enthusiasm
- Students participated in WALKATHON **“Surakshit Khadya Abhiyan”**, a national mission on safe food organized by CII Jubilant Bhartia Food and Agriculture Centre of Excellence (CII-FACE) with the purpose of awareness among the youth regarding FOOD SAFETY on 4th October, 2015 at Jawaharlal Nehru Stadium, New Delhi.
- The Department celebrated **“World Heart Day”** on 29th September, 2015 in which students made presentation and participated in various activities.
- The students and faculty attended the National Seminar on **“Enabling ‘Make-in-India’ in Food Processing Sector”** on 12th August 2015 at Pragati Maidan, New Delhi.
- Organized a 2-day training program on Banana Ripening in collaboration with National Centre for Cold Chain Development on 16th-17th June, 2015.

- Organized a visit to Banana Ripening Chamber at Kasna, Greater Noida in collaboration with National Centre for Cold Chain Development on 17th June, 2015.

Department of Instrumentation

- Department of Instrumentation of Shaheed Rajguru College of Applied Sciences for Women organized its annual technical fest, **Technexus 2k15** on 14th October, 2015. The fest is organized every year with the objective to provide platform for the students to showcase their talent with a competitive spirit. The daylong event witnessed an overwhelming participation of more than 120 students from various colleges. Technexus'15 was inaugurated by Dr. S. Lakshmi Devi, founder principle of Shaheed Rajguru College of Applied Sciences for Women. All the technical events witnessed a very large and enthusiastic participation from various colleges. The fest included a total of four events namely **Blow your Brain, Technovanza, Techadventure and Beg, Borrow, Selfie**. The winners of all events were given prizes and gifts.
- Instrumentation department has organized a three day workshop on **“Multisim Software”** from 8th-10th December, 2015 for students of B. Sc. Instrumentation 1st year.
- Department has organized a seminar on **“Quality Control of Herbal Drugs”** by **Dr. Anubhuti Pasrija**, Senior Scientist, Analytical Development, Dabur Research & Development Center on 14th October, 2015.
- An industrial trip was organized for B. Sc. Instrumentation students 2nd year to Biomedical Engineering branch of Institute of Nuclear Medicine and Allied Sciences (INMAS), Timarpur on 18th December, 2015.
- Department has organized a seminar and training session on **“Industrial Automation (PLC and SCADA)”** by **Mr. Naveen Nehra**, Industrial Automation Expert, CETPA Infotech Pvt. Ltd. on 16th September, 2015 for instrumentation students.

- Students from the Department of Instrumentation and Electronics along with Dr. Amita Kapoor and Dr. Sneha Kabra visited the International trade fair “**Electronica and Photonics India 2015**” on 11th September, 2015 at Pragati Maidan, New Delhi which is one of the world’s leading trade fair network. World’s best industries exhibited their products like motor drives, PLC’s, laser systems, analytical instruments, etc.
- Department has also organized a two day workshop on “**Advance Chromatographic and Spectroscopic Techniques (GC and HPLC)**” sponsored by DBT Star college Scheme on 6th-7th January, 2016 for students of Food technology and Biomedical Sciences. Students were given in depth knowledge of gas chromatograph, high performance liquid chromatograph and UV-Vis Spectroscopy through lecture sessions in morning and hands on training in evening session.
- The department has given two days lecture session and training on Gas chromatography, High performance liquid chromatography, UV-Vis Spectroscopy and analytical sample preparation to students visiting our college from Department of Forensic Science and Department of Anthropology, University of Delhi on 8th-9th March, 2016.
- Department has also organized a one day industrial visit to Regional Centre of Biotechnology, Faridabad on 3rd February, 2016 for B. Sc. (H) Instrumentation 2nd Year and B. Tech. Instrumentation 3rd Year students.

Other Activities

Entrepreneurship Development Program

Shaheed Rajguru College of Applied Sciences for Women established the **Entrepreneurship Development Cell** on 9th October, 2015, inaugurated by the honourable Deputy Chief Minister, Govt. of NCT Delhi, **Mr. Manish Sisodia**. Our E-cell wishes to inculcate and enrich the entrepreneurial environment in India by creating an easily accessible

and exhaustive set of resources for the young entrepreneurs, which includes the students, the budding professionals and mentors.

The E-Cell effectively meets these objectives through networking student enterprises from campus to companies, seeding funds and investors to transform the newly proposed ideas into successful start-ups. Workshops and inter college competitions are organized in association with national professionals and eminent personalities to inspire and invoke the giant potential within the students & to create awareness and motivate students about entrepreneurship.

Members of the E-Cell group participated in the National Entrepreneurship Challenge (NEC) organized by IIT, Mumbai & secured the second position all over India, amongst fifty colleges.

The E-Cell is planning to establish an incubation centre in the college with the help of ISBA with the objective of helping students in transforming their ideas into reality & to begin their start-ups.

To encourage budding managers & entrepreneurs in and around Delhi University Colleges, the E-cell of college organized a management fest **Conquest** on 30th March, 2016. Apart from the Expert Talk Series, fest witnessed a series of competitive events related to the management skills aimed at providing to participants the exposure to the real world work experience. The fest included a total of four events namely Innovace, Marketing Madness, Treasure Hunt, Idea Stall for Conquest' 16. The event was a great success and saw participation from various colleges from across Delhi University as well as other colleges in Delhi and NCR.

National Service Scheme (NSS)

Activities undertaken by **NSS** in the present academic session are as follows :

International Yoga Day : It was celebrated on June 21, 2015 to bring awareness about health benefits of Yoga. Students and staff members enthusiastically took part in the yoga session organised by the college.

Some NSS volunteers were selected for taking part in the celebrations held at India Gate.

NSS Day Celebrations : These were held on September 24, 2015. Highlight of the day was Blood donation Camp organised in collaboration with Guru Tegh Bahadur Hospital, which was a great success. Besides that, poster making competition and slogan writing competition were organised on topics of Cleanliness and Dengue awareness.

Ekta Diwas : The birthday of Sardar Vallabhbhai Patel was celebrated on October 31, 2015. Article writing competition and rangoli making competition were organised to bring about awareness amongst students, the theme being 'National Integration'.

Shaheed Rajguru Day : The birthday of the great martyr was celebrated on August 24, 2015. Plantation drive was carried out in the college campus jointly with Eco Club. Members of our College Governing Body along with NSS volunteers enthusiastically took part in the drive. The upkeep of the saplings is being done by NSS volunteers.

Literacy Drive : This drive is undertaken by NSS volunteers to teach under privileged students in College campus daily. About 30 students are benefitting from this drive. A sports day was organized for these students besides engaging them in other activities like painting, dancing etc.

Self Defence Classes : These classes were organised in collaboration with Delhi Police in the month of October. It helped in boosting the confidence of college girls to defend themselves.

Vermicomposting : NSS Volunteers are striving to conserve the environment by collecting kitchen and garden wastes from college premises and eventually converting it into manure.

Collection Drive : Collection drive for clothes, newspapers etc is organised by NSS volunteers from time to time. Winter clothes were collected and distributed to the needy in different slum areas.

Eye Checkup Camp : It was organised on January 28 and 29, 2016 in collaboration with Eye Health Centre. The camp was huge success, benefitting both students and employees of the College alike.

Digital India Drive : Volunteers actively participated in this drive which is an initiative of Ministry of Communication and Information Technology.

Karvaan'16 : Many fun events were organised in the Annual Cultural Festival of the College for raising funds; like newspaper dressing competition, selfie with nature, speed art and junk arte (best out of waste).

Swachh Bharat Abhiyan

Activities undertaken by the college under “Swachh Bharat Abhiyaan” in the present academic session are :

- The students along with teachers visited the DDA market in Vasundhara Enclave and took an overview of the situation. A group of 5 students and 2 teachers visited every day. They spoke to the President and Secretary of the Market Association and discussed the problems faced by them.
- They also installed Fixed Metallic dustbins in the market and demonstrated how to pick up litter and use the dustbins. They raised slogans and held many processions from the college to the market to create awareness about the issue.
- A street Play was performed by the students to spread awareness and alert people about the responsibility to make our country clean.
- A cleanliness drive was conducted by the committee to make people conscious about their forgotten responsibility towards cleanliness of India. With gloves, masks & brooms, market area was cleaned, waste was assembled in the dustbins. Moreover, gloves & masks were provided to shopkeepers also to join in the Swachh Bharat Abhiyan.

- A survey was initiated in the market to gather information about the cleanliness problems and their solutions. In this regard, a questionnaire (in English and Hindi) was distributed to about 150 people for data collection.
- Competitions like poster making, flag designing were organized in the college to develop interest in college students, hence young generation to carry this mission ahead.
- An e-waste drop box has been set up for the students in our college premises so that they can put their discarded electronic material for further reuse, recycle and resale.
- Student Ambassadors for “Swachh Bharat Abhiyaan” are Ms. Ritu Gupta (B. Tech. Electronics) and Ms. Sinni Mishra (B. Tech. FT).

Internal Complaints Committee

College organized one week training programme for Self-defence in the month of November, 2015. Workshop was attended by 60 students. Workshop was conducted by ‘**Special Police unit for Women and Children**’ (SPUWAC) Nanak Pura, New Delhi.

Women Development Cell

- Organised a panel discussion cum interactive session on “Violence against Women” in collaboration with WILGA (Women’s Initiative for Liberation, Growth and Action) on 10th October, 2015. The panelists included a gynecologist Dr. Jagdish Kaur, a social worker Dr. Smita Deshpande and a lawyer Ms. Meenakshi Prasad. The students were made aware of the legal rights of women in case they face violence or crime at home, at public places or at place of work.
- Organised a “Stress Management” workshop in collaboration with WILGA (Women’s Initiative for Liberation, Growth and Action) on 14th March 2016. Experts in clinical psychology were invited to brief the students about stress and its possible management

techniques. The speakers included Dr. Jagdish Kaur, President of WILGA, Dr. Mona Choudhary, Dr. Rushi Arshad from the Department of Clinical Psychology, PGIMER, Dr. RML Hospital and Mr. Hemant Kumar Pandey, a yoga and meditation techniques expert. The students were apprised of Biological and Clinical Manifestation of Stress followed by Management and Behavioral issues of stress. Mr. Hemant Kumar Pandey conducted a brief session of Yogic exercises and Meditation techniques.

Internal Quality Assurance Cell (IQAC)

Since its inception, it has been the endeavour of the Internal Quality Assurance Cell (IQAC) of the college to continuously work towards the enhancement of the institution. In the past year, Good Lab Practices have been streamlined in all labs and proper log books are maintained for all equipments. Also, Students Feedback has been upgraded and is now accessible online. The process of Guardian/Parents' feedback has also started. A Central Data Bank of the college is now being developed. This would include the student, faculty and alumni details, as well as the various cultural and academic activities taking place in the college. The academic audit of the college has also been initiated.

Sports Activities

Athletics

Our college athletic team took part for the first time in Delhi University Inter College Athletic Meet held at Polo Ground, University of Delhi from 28th-30th October, 2015.

Sports council also organized **Sports Day** on 30th September-1st October, 2015. Various Athletic events were held 100m race for students, 100m race for staff, three-legged race for students, three-legged race for staff, 4x100m relay race for students, bucket race for staff, kho-kho, badminton, fun events like *Pitthu* and *Stapu* were also organized for the students. This event ended with the friendly tug of war between students and staff.

Anju Kanyal, B. Sc. (H) Electronics & Monika, B. Sc. (H) Electronics got 2nd position in Inter College Badminton Doubles in 2015.

Ms. Priya Naib, B.Tech. Electronics 3rd year represented Delhi University in the All India Inter University championship held in Patiala from 6-12 January, 2016 for Gymnastics.

Yoga

A Yoga team was formed in the college recently. The team comprising seven players — Priya Naib, Sandhya Yadav, Kajal Garg, Shivani Batra, Rashmi Pal, Deepika Joshi and Juhi Priya took part in Delhi University Inter College competition held at Vivekananda College from 15-17 February, 2016.

The College Yoga Team also took part in Invitational Inter College Yoga Tournament organized by Kalindi College on 18th February, 2016.

The Physical Education and Sports Department of the College organized **Certificate Course in Foundation of Yoga** from 1st March, 2016 to 6th April, 2016 for Students and Teaching and Non-teaching staff.

Yoga team gave a Yoga demonstration on the occasion of our college Annual Fest “Kaarvan’16” to motivate the students.

ECO Club

The Eco Club aims in bringing awareness and sensitizing students towards various environmental concerns and issues. To achieve this objective following activities are regularly carried out by the students :

- Tree plantation programme
- Maintaining herbal garden
- Making articles out of waste
- Innovative and eco-friendly dustbins
- Pot designing
- Waste segregation and looking after the welfare of people sorting garbage manually
- Eco day celebrations

Placement and Career Counseling Cell

Placement Cell has initiated the interaction with various startup and known companies like TCS, HACKStorm Technoliges, NIIT Technologies, Wyra Knowledge services, ITOxygen, Google Enterprise Services. The HackStorm Technologies has offered online internship for web site designing to computer science students. TCS has its own program of internship and students of our college have registered for internship.

CISCO Networking Academy

CISCO Networking Academy in collaboration with CISCO networking systems organized a splendid event “**Women Rock IT**” on 23rd February, 2016. The event consisted of live video telecast by **Ms. Ai Ching Gong** (Founder and CEO Piktochart) and **Xania Wong**, titled “Meet the Rock’in Entrepreneurs using Tech for Business Success” (Co-founder and CEO JOBDIOH). The Chief Guest for the event was **Ms. Ranjana Dev Sarmah**, Ministry of Information and Broadcasting, New Delhi. The event also witnessed the presence of eminent speakers Ms. Seema Khanna, Technical Director, Messaging and SMS Services NKN, NIC, New Delhi, Ms. Pallavi Srinivasa, Head, Market Strategy, CISCO, Ms. Pragati Ogal Rai, Director-Innovation, Deutsche Bank, Banglore and Dr. S. Lakshmi Devi, Ex Principal & Hony. Director, (CECOP) University of Delhi. The panelists were Ms. Anuradha Sharma Program Manager-SIG at Cisco Systems, Ms. Pragati Ogal Rai, Dr. Amita Kapoor, Ms. Bhawna Mittal, Ms. Yashu Ahuja, Ms. Sunaina Tewari and Ms. Pallavi Srinivasa. Around 700 students participated from different institutes like Delhi University colleges, IIMT, Greater NOIDA, Institute of Advance Management and Research, IIMT College of Engineering, IME College, IMR, Ghaziabad, Dronacharya Group of Institution, Greater Noida including our college students.

Garden Committee

- College participated in Indraprastha flower show held on 13th-14th February, 2016. Mr Khushal Singh and his team won the first prize in elephant flora display and second prize in Marriage decoration.

- College also participated in Delhi University Flower Show' 16. In Mali Category, Mr Khushal Singh and his team won the second Prize in Marriage Decoration and in Student Category, Ayushi won the first prize in marriage decoration. Anju Rikhari and her team of Computer Science won the second prize in table decoration. Neerajpreet Kaur of Computer Science receive highly commendable performance in Rangoli event.
- Garden Committee along with the effort of Gardeners of our College has set up the Fruit Garden and Kitchen garden.

College Library

The College library has started subscribing too NLIST digital resources besides DULSA and Inflibnet electronic resources. The NLIST has around 6000+ electronic journals and 135000+ electronic books which are accessible through Login/Password, it is free of restricted IP address, therefore is accessible from anywhere.

Academic Achievements and Activities of Teaching Faculty

Dr. Payal Mago (Principal)

- Member of Standing Committee of UGC on 'Women Study Centres'.
- Conducted survey for the year 2015-16 as member of Inspection Committee of UGC, on the working of Women Study Centres of Jawaharlal Nehru University, Jesus and Marry College, University of Delhi, Jamia Milia Islamia and DAV College for Women, Yamuna Nagar.
- On board of National Commission for Women for various facts finding committees.
- Delivered a talk on 'Women and Environment – a socio economic concern' at DAV College, Yamuna Nagar, Haryana.
- Took two sessions on 'Declining Sex Ratio in India – Causes and Consequences' at Guru Nanak Dev University, Amritsar during seven days National workshop on Gender Sensitization.

- Chaired a session in the two days national seminar on ‘Social Welfare Administration in India : Linking with Digital India’ at Indian Institute of Public Administration (Delhi).
- On the Advisory Board of National Seminar on Emerging Economics and Challenges to Sustainability Board Developing Nation.

Dr. Alka Vohra Kuanr, Associate Professor, Department of Physics

- Was a member of National Jury for DST, Govt. of India, sponsored INSPIRE programme held at IIT, Delhi on 6th-7th December, 2016.
- Principal Investigator for Research Project by University of Delhi entitled “Synthesis and characterization of magnetic nanoparticles for tumor treatment” 2016-2017.
- Was member of the organizing committee for the UGC sponsored National conference on “Advancements in Electronics and Computer Applications” organized by Departments of Electronics and Computer sciences on 4th-5th February, 2016.

Ms Venika Gupta, Associate Professor, Department of Electronics

- Convener of UGC and DeitY sponsored National Conference on Advancements in Electronics and Computer Applications.
- *Venika Gupta, Madhu Pandey, Payal Gupta, Shreya Rai, Shweta Gupta and Sonia Ahlawat* “IIR Digital Low Pass Filter Design and Research and Simulation Result on Scilab” in the conference proceeding of National Conference on Advancements in Electronics and Computer Applications No. 7 (2016). (ISBN : 978-93-5254-496-7)
- *Venika Gupta, Anchitaa, Monika Gupta and Sonia Ahlawat* “Electronic Gadgets – from Affection to Addiction : A Review” in the conference proceeding of National Conference on Advancements in Electronics and Computer Applications No. 14 (2016). (ISBN : 978-93-5254-496-7)

Ms. Preeti Singhal, Associate Professor
Department of Electronics

- Was treasurer of Organizing Committee of UGC and DeitY sponsored National Conference on Advancements in Electronics and Computer Applications.
- *Preeti Singhal, Monika Tyagi, Sumit Kumar, Damini Bhatt, Akshara Rai, Madhu Pandey and Ritu Gupta* “Designing a Mobile Application with OTP technique as an enhancement to e-attendance” in the conference proceeding of National Conference on Advancements in Electronics and Computer Applications No. 34 (2016). (ISBN : 978-93-5254-496-7)
- Organized a lecture series on Android Technologies by Xperia Technologies Pvt. Ltd.
- Attended two day workshop on “Professor Summit on Embedded System Design using Atmel 8 bit and 32 bit based MCU” held at Maharaja Agrasen College, University of Delhi, in collaboration with Atmel India University Program.

Dr. Sadhna Jain, Associate Professor, Department of Biochemistry

- Conducted one week workshop for M.Sc. forensic students for various biological, biophysical and biochemical techniques.
- Attended one day workshop on sensitization of prevention of sexual harassment at work place organised by Directorate of Trainings, Delhi.

Dr. Punita Saxena, Associate Professor,
Department of Mathematics

- (2016) P Saxena, RR Saxena and Deepak Sehgal; *Efficiency evaluation of the energy companies in CNX 500 Index of the NSE, India using data envelopment analysis*, Benchmarking : An International Journal, 23(1), pp.113-126.

- Was a member of National Jury for the DST sponsored “INSPIRE” programme held on 6-7th December, 2015 at IIT Delhi.

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

- Holding the position of Convener Entrepreneurship Development Cell of College & was instrumental in organising the inauguration of ED Cell in the College on 9th Oct 2016 by the Deputy Chief Minister, Shri Manish Sisodia.
- Attended the World Food Day program organized jointly by NCUI & AFST (Delhi Chapter) on 16th Oct 2016 at NCUI, New Delhi.
- Organized the National Conference entitled ‘NCAFST-2016’ in the department of Food Technology, SRCASW on 16-17th March 2016, holding the position of Convener.
- Presented a research paper entitled ‘Development of Soy Fortified Traditional Snacks’ in the national Conference NCAFST-2016.
- Presented a review paper entitled ‘Food Wastage — A Global Concern’ in the national Conference NCAFST-2016.
- Appointed as Co-Advisor of a Ph.D student working in the area of Food Technology.
- Organized a Managerial fest entitled Conquest-2016 on 30th March, 2016 in the college premises which consisted of Technical Talk by Experts followed by inter college managerial events viz Business Plan, Tagline, Treasure Hunt, etc.

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

- Organizing Secretary of National Conference entitled ‘NCAFST-2016’ in the department of Food Technology, SRCASW on 16-17 March, 2016.

- Attended a public lecture at Gargi College on Foldscope, an origami microscope, supported by DBT under the Star College Scheme.
- Visited the Regional Center for Biotechnology, Faridabad with students on 3rd February, 2016.
- Published a research paper entitled ‘To compare the efficiency of Chlorination, U V Treatment and Reverse Osmosis treatment of water’ in the National Conference NCAFST-2016. (ISBN No. 978-93-81156-43-8)
- Presented a research paper entitled ‘Microbial Analysis of tap water from different zones of Delhi.’ in the National Conference NCAFST-2016.
- Presented a poster on “Size Dependent efficacy study of silver nanoparticles against food spoilage microbes” in NCAFST Conference Proceedings 2016. (ISBN No. 978-93-81156-43-8)

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

- Convenor of Campus Impact Challenge under Leadership Project entitled “Sanitation and Health” by TERI University.
- Organized a talk on “Rapid Urbanization and Water Management” under the aegis of ECO Club delivered by Dr. C. K. Singh, Scientist TERI University

**Dr. Daya Bharadwaj, Assistant Professor in Senior Scale,
Department of Instrumentation**

- Has been awarded the Doctorate of Philosophy by TERI University
- Presented the paper entitled “Interspecies variability assessment of *B. aristata* and its related species using HPLC fingerprinting and principle component analysis for standardization and quality control of their herbal drugs” in the 3rd International Conference and

Exhibition on Pharmacognosy, Phytochemistry and Natural products” organized by OMICS from October 26-28, 2015 in Hyderabad, India.

- Presented the paper “Comparison of analytical methods in combination with multivariate techniques for the quality assessment of raw material and formulations containing *B. aristata* and its related species” in 2nd International symposium on Plants and Microbial products (ISNPMP 2016) organized at IHC Delhi from March 1-2, 2016.

Dr. Jasjeet Kaur, Associate Professor, Department of Chemistry

- Sodhi, GS and Kaur, Jasjeet (2016). Physical developer technique for detection of latent fingerprints : A review, *Egyptian Journal of Forensic Sciences* 6, 2016.
- Presented a paper entitled, *Innovations in crime scene management*, at the International Conference on Research in Engineering Science, Information & Communication Technology, held on July 30-31, 2015 at Lala Lajpat Rai Institute of Engineering & Technology, Moga.
- Participated in a program entitled Training on Procurement Process, organized by *Directorate of Training : Union Territories Civil Services, Government of the NCT of Delhi* on October 7-8, 2015.
- Organized a Workshop on Spectroscopic and Chromatographic Techniques, at Shaheed Rajguru College of Applied Sciences for Women, Delhi University on January 7-8, 2016.
- Conducted a Workshop for students of M. Sc. Forensic Science for teaching various techniques, at Shaheed Rajguru College of Applied Sciences for Women, Delhi University on February 8-13, 2016.

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

- Participated in 7 days Faculty Development Programme “Teaching Pedagogy & Qualitative Research” organized by Ramanujan College, University of Delhi

- Participated in 2 days National Seminar on soft computing techniques organized by Deen Dayal Upadhaya College.

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

- Member of Organizing Committee, as Joint Secretary, National Conference on Advances in Food Science and Technology (NCAFST'16) held on 16-17 March 2016.
- *Asha Yadav, Deepali Bajaj, Para Dholakia, Bhawna Jain, Deeksha Sharma, Diksha Tewari, Dinika Saxena, Disha Gupta, Disha Sahni, Kaavya Raveendran, Lavika Singh, Mansi Manchanda, Preetanjali Ray* 2016 “Health Buddy — Mobile based Nutritional intake tracking Application for young college students”, Conference Proceedings, National Conference on Advances in Food Science and Technology NCAFST’ 16, 16-17 March, 2016, Page 103-107, ISBN No. 978-93-81156-43-8, Cherub Digimax, Delhi.
- *Para Dholakia, Athira Unnikrishnan, Disha Gupta, Kaavya Raveendran, Lavika Singh, Mansi Manchada* “Vitamin D Deficiency : Emerging Epidemic Meeting the Challenge”, Conference Proceedings, National Conference on Advances in Food Science and Technology NCAFST’ 16, 16-17 March, 2016, Page 103-107, ISBN No. 978-93-81156-43-8, Cherub Digimax, Delhi.
- *Para Dholakia, Asha Yadav, and Deepali Bajaj.* “Development of an Android based mobile application to track nutritional intake of young college students” in International Conference on Challenges, Opportunities, Awareness and Prevention (Public Health : 2016), 2016.
- Attended a seminar on Global Issues : “Food Safety and Food Laws” organized by AFST (I) Delhi Chapter on 23rd February, 2016.
- Was invited as a judge in CBSE regional Science exhibition for the theme Nutrition and Health, held on 28th-29th December, 2015.

- Attended the World Food Day Celebrations and National Seminar on “Social Protection and Agriculture — Role of Cooperatives and Food Processing Industries” organized by AFST(I) Delhi Chapter on 16th October 2015 at NCUI Auditorium.
- Attended a National Seminar on “Importance of Nutrition in development of Processed Foods” jointly organized by AFST (I) Delhi chapter and Protein Foods and Nutrition Development Association of India (PFNDAI) at Bhaskaracharya College of Applied Sciences, University of Delhi on 2nd September, 2015.
- Attended 2 days training program on Banana Ripening organized by National Centre for Cold Chain Development on 16th-17th June, 2015 at Shaheed Rajguru College of Applied Sciences for Women.

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

- Published following research article “High receptor tyrosine kinase (*FLT3*, *KIT*) transcript versus anti-apoptotic (*BCL2*) transcript ratio independently predicts inferior outcome in pediatric acute myeloid leukemia” (2015) *Blood Cells, Molecules, and Diseases*; 54 : 56-64.
- Refresher course in Environmental Science in JNU Academic Staff College, April 2015

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

- Successfully completed four week Refresher Course in Life Sciences and Biotechnology from HRD, JNU (July- August 2015).
- Presented a Poster in 56th Annual Association of Microbiologists of India and International Symposium on “Emerging Discoveries in Microbiology” (7th -10th December, 2015).
- Conducted two day hands-on training on “PCR and its applications” for M.Sc. Anthropology students as part of a week long training session undertaken by the college (18-19th February, 2016).

- Presented a research article “*Plant Based Approach : Achilles Heel in Tuberculosis Treatment*” in the National Conference on Advances in Food Science & Technology (NCAFST’2016) (16-17 March, 2016).

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

- Convener of “Computer Literacy Program” — a six module program, to teach basic Computers and Information Technology to women of the under privileged sections of the society.
- Invited as a resource person to deliver a three day training program on “Core Java” from 6th-8th July, 2015 at Department of Computer Science and Engineering, Bhartiya Vidyapeeth’s College of Engineering, affiliated to GGSIP University.
- Worked as organizing secretary for UGC and DeitY sponsored National Conference on Advancements in Electronics and Computer Applications NCAECA’16 in Shaheed Rajguru College of Applied Sciences for Women, Delhi on 4th-5th February, 2016
- Successfully deployed Online Voting System summer internship project. For the user interface, Netbeans IDE 6.5.1 was used. As the backend Oracle 10Gi was used.
- Bajaj Deepali, Isha Mangal, and Asha Yadav. “Towards an understanding of Li-Fi : Next generation Visible Light Communication Technology.” International journal of Engineering And Computer Science, 4 (2015) : 11638-1164.
- Bajaj Deepali, and Asha Yadav. “Exploring Big Data Analysis Pipeline and Comparative Summarization of Mining Tools.” International journal for scientific research and development, (2015) : 124-127.
- Bajaj Deepali, Himani Kaira, Gunjan Jawla and Shreyra Ranjan. “Development of an Electronic Voting System”. In National Conference

on Advancements in Electronics and Computer Applications (NCAECA), pp. 55-58, 2016. (ISBN : 978-93-5254-496-7)

- Ranjan Shreyra and Deepali Bajaj and “Sentiment Analysis : A new paradigm in Natural Language Processing” In National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 45-48, 2016. (ISBN : 978-93-5254-496-7)
- Yadav Asha, Para Dholakia, Deepali Bajaj. “Health Buddy - Mobile Based Nutritional intake Tracking Application for young college students.” In National Conference on Advances in Food Science & Technology (NCAFST), 2016.
- Dholakia Para, Asha Yadav, and Deepali Bajaj. “Development of an Android based mobile application to track nutritional intake of young college students.” In International Conference on Challenges, Opportunities, Awareness and Prevention (Public Health : 2016), 2016.
- Attended 3 days workshop on “*Matlab Fundamentals*” organized by Delhi University Computer centre (DUCC) and Mathworks Pvt. Ltd. from 7th-9th May, 2015.
- Organized a Lecture Series on ‘Android Technologies’ in association with Xperia Infotech, Pvt. Ltd. Noida from 14th December to 22nd December, 2015.
- Attended UGC sponsored refresher course (4th special winter school) conducted by Human Resource Development Centre, Jamia Millia Islamia University from 8th-30th December 2015.

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

- Attended UGC sponsored 1st Refresher Course in Bio-Informatics, Computer Science and Information Technology at JNU, Delhi from 24th August to 18th September, 2015.

- Joined as CISCO coordinator, SRCASW in February'2016 in collaboration with Cisco Networking Systems.
- Worked as Treasurer for the UGC sponsored National Conference on Advancements in Electronics and Computer Applications NCAECA'16 in Shaheed Rajguru College of Applied Sciences for women on 4th-5th Feb 2016.

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

- Attended a refresher course in “Chemistry” (June-July 2015) from CPDHE, University of Delhi.
- Published a paper entitled Samim, Mohammed, Mohammad Anwar, Deepak Yadav, Swati Jain, Sumeet Kapoor, Indu Arora, and Shweta Rastogi. “Size- and Shape-dependent Clinical and Mycological Efficacy of Silver Nanoparticles on Dandruff.” *International Journal of Nanomedicine IJN*, 2016, 147.
- Conducted two day hands-on training on “Preparation of Buffers and Solution of Various Strengths” for M.Sc. Anthropology students as part of a week, long training session undertaken by the college (18-19th February, 2016).
- Done one week workshop in “Teaching Methods (3-11th March, 2016) organised by CPDHE, University of Delhi.
- Presented a poster entitled “Size dependent efficacy study of silver nanoparticles against food spoiling microbes” in conference Advances in Food Sciences and Technology (NCAFST March 2016) organised by Department of Food Technology, Shaheed Rajguru College of Applied Sciences for Women.
- Presented a poster entitled “Transition metal based spinel oxide-graphene nanoribbon composites for removal of pesticide from water” in UGC-sponsored National Conference in Chemistry Environment & Harmonious Development (NCC-2016) 7-8 April,

2016 Department of Chemistry, Shyam Lal College, University Of Delhi.

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

- Attended a 7-Day National Faculty Development Programme on “Reflections on Emerging Pedagogy in Higher Education and Qualitative Research” organized by Ramanujan College, University of Delhi from 18th November to 24th November 2015.
- Attended one day short course on “*Quantum Transport in Carbon-Based devices*” by Professor Vijay K Arora, Wilkes University USA organized jointly by IEEE EDS Delhi Chapter and Department of Electronic Science, University of Delhi.
- Attended one month course on *Foundations of Yoga* from 1st March 2016 to 6th April 2016, organized by Department of Physical Education and Sports, SRCASW.
- Went for Industrial visit to INMAS, DRDO in December 2015 and Industrial visit to Regional Center for Biotechnology in Feb 2016 along with students of B.Sc.(H) and B.Tech. Instrumentation.

Dr. Projes Roy (Librarian in Senior Scale)

- Invited as a speaker at National Conference on Transforming Dimensions of IPR : Challenges for the New Age Libraries on Friday-Saturday, 23-24 January 2015 at National Law University, Delhi (NLU, Delhi), Sector 14, Dwarka, New Delhi.
- Invited lecture at National Conference on ‘Library Automation : Issues and Remedies in Present Scenario’ sponsored by UGC on 27th March 2015, at Aggarwal College, Ballavgarh, Harayana.
- Invited lecture at SCERT Five Days INSET programme for Librarians on 6th July at Govt. School, Lajpat Nagar, New Delhi.

- Invited lecture at SCERT Five Days INSET programme for Librarians on 7th July at Govt. School, Janakpuri, New Delhi.
- Participate at SAARC workshop on “Creation of digital Repository” from 9th August to 13th August 2015 at Villa College, Male, Maldives.

Ms. Monika Tyagi, Assistant Professor, Department of Electronics

- Was member of Organizing Committee of UGC and DeitY sponsored National Conference on Advancements in Electronics and Computer Applications.
- *Monika Tyagi, Preeti Singhal, Sumit Kumar, Damini Bhatt, Akshara Rai, Madhu Pandey and Ritu Gupta* “Designing a Mobile Application with OTP technique as an enhancement to e-attendance” in the conference proceeding of National Conference on Advancements in Electronics and Computer Applications no. 34 (2016). (ISBN : 978-93-5254-496-7)
- Attended the lecture series on Android Technologies by Xperia Technologies Pvt. Ltd.
- Attended two day workshop on “Professor Summit on Embedded System Design using Atmel 8-bit and 32-bit based MCU” held at Maharaja Agrasen College, University of Delhi, in collaboration with Atmel India University Program.

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

- Member of Organizing Committee, as Treasurer, National Conference on Advances in Food Science and Technology (NCAFST’16) held on 16-17 March, 2016.
- Presented a Research Paper on “Osmotic Dehydration of Papaya-Optimization and comparison” in NCAFST Conference Proceedings 2016 (103-107). (ISBN : 978-93-81156-43-8)

- Presented a research paper on “Effect of temperature on Physical Properties of some fats and oils” in NCAFST Conference Proceedings 2016 (150-157). (ISBN : 978-93-81156-43-8)
- Presented a poster on ”Corn starch based films” in National Conference on Advances in Food Science and Technology (NCAFST) Proceedings 2016. (ISBN : 978-93-81156-43-8)
- Attended 2 days training program on Banana Ripening organized by National Centre for Cold Chain Development on 16th-17th June, 2015 at Shaheed Rajguru College of Applied Sciences for Women.
- Attended a QIP Short term Course on “Trends in Harnessing Food Safety and Quality : Indian Prospective” on 1st-4th December, 2015 at IIT Delhi.
- Visited the Regional Center for Biotechnology, Faridabad with students on 3rd February, 2016.

**Ms. Shalu Sharma, Assistant Professor,
Department of Mathematics**

- Completed Ph. D. (Mathematics) from University of Delhi in March 2016.

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

- Was member of Organizing Committee of UGC and DeitY sponsored National Conference on Advancements in Electronics and Computer Applications.
- *Sonia Ahlawat, Madhu Pandey, PayalGupta, Shreya Rai, Shweta Gupta and Venika Gupta* “IIR Digital Low Pass Filter Design and Research and Simulation Result on Scilab” in the conference proceeding of National Conference on Advancements in Electronics and Computer Applications No. 7 (2016). (ISBN : 978-93-5254-496-7)

- *Sonia Ahlawat, Anchitaa, Monika Gupta and Venika Gupta* “Electronic Gadgets — from Affection to Addiction : A Review” in the conference proceeding of National Conference on Advancements in Electronics and Computer Applications No. 14 (2016). (ISBN : 978-93-5254-496-7)
- *Sonia Ahlawat, Ayush Sharma, Sugandha Bajaj and Varnika Bishnoi* “Advanced Communication in Digital World” in the conference proceeding of National Conference on Advancements in Electronics and Computer Applications No. 66 (2016). (ISBN : 978-93-5254-496-7)
- Attended the lecture series on **Android Technologies** by Xperia Technologies Pvt. Ltd.
- *Sonia Ahlawat, Ayush Sharma and Sugandha Bajaj* “Visible Light Communication” International Journal of Science and Research No. 1909 (7, July 2015) (Volume / Issue : Volume 4 Issue; ISSN (Online) : 2319-7064)

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

- Was Sanctioned a research project entitled : “Design, Synthesis and evaluation of anti-diabetic activity of substituted alkyl carboxylic acid derivatives as GPR40 agonists” for the year 2015-16.
- Presented a Poster entitled “Antibacterial potential of *Elletaria cardamomum*, *Syzygium aromaticum* and *Piper nigrum*, their synergistic potential and total bioactive component determination” in 56th Annual Association of Microbiologists of India and International Symposium on “Emerging Discoveries in Microbiology” conducted by JNU (7th-10th December, 2015).
- Conducted two day hands-on training on “ELISA techniques” for M. Sc. Anthropology students as part of a week-long training session undertaken by the college (20th-21st February, 2016).

- Published a research article entitled “*Plant Based Approach : Achilles Heel in Tuberculosis Treatment*” in the proceedings of National Conference on Advances in Food Science and Technology (NCAFST-2016), (16th-17th March 2016).

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

- Published following paper as corresponding author CM Alam, A Iqbal, B Thadari, *Safdar Ali* (2016) Imex Based Analysis of Repeat Sequences in Flavivirus Genomes, Including Dengue Virus. *J Data Mining in Genomics and Proteomics* 7 :1. ISSN 2153-0602. DOI : 10.4172/2153-0602.1000187
- Successfully completed the orientation program for Coordinator, 13th National Youth Parliament, on 4-5 January, 2016 at Shillong organized by Ministry of Parliamentary Affairs, Govt. of India.

**Ms. Chaynika Verma, Assistant Professor,
Department of Food Technology**

- Member of Organizing Committee, National Conference on Advances in Food Science and Technology (NCAFST’16) held on 16-17 March 2016.
- Published a Review Article on “Thermal Techniques of Minimal Processing of Foods” in NCAFST Conference Proceedings 2016, 85-90. (ISBN No. 978-93-81156-43-8)
- Presented a poster on “Naturally Occuring Plant Pigments, their Properties and effects of processing” in NCAFST Conference Proceedings 2016. (ISBN No. 978-93-81156-43-8)
- Attended a seminar on Global Issues : “Food Safety and Food Laws” organized by AFST (I) Delhi Chapter on 23rd February 2016.
- Attended a the World Food Day Celebrations and National Seminar on “Social Protection and Agriculture – Role of Cooperatives and

Food Processing Industries” organized by AFST(I) Delhi Chapter on 16th October 2015 at NCUI Auditorium.

Dr. Neha Katyal, Assistant Professor, Department of Electronics

- Was member of Organizing Committee of National Conference on Advancements in Electronics and Computer Applications.
- *Neha Katyal, Saloni Mehta and Ruchika Jha* “Holographic Data Storage : Review” in the conference proceeding of National Conference on Advancements in Electronics and Computer Applications No. 59 (2016). (ISBN : 978-93-5254-496-7)
- *Neha Katyal, Sheetal Varshney and Ritu Gupta* “A Review on Optical Computing” in the conference proceeding of UGC and DeitY sponsored National Conference on Advancements in Electronics and Computer Applications No. 123 (2016). (ISBN : 978-93-5254-496-7)
- *Neha Katyal, Natasha and Avinashi Kapoor* “Controlling the direction of energy transfer for higher order self diffraction in photorefractive sillenites — A numerical approach” OPTIK-IJLEO. (Volume 126, Page No. 5941-5945, ISSN : 0030 – 4026)

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

- Gupta, Anand Prasad, Yadav, Sunita and Urmil Bharti. “A Novel Technique for Query Suggestion in Long Trail Queries”. Paper presented at the National Conference on Advancements in Electronics and Computer Applications, SRCASW, University of Delhi, February 4-5, 2016.

**Ms. Neha Garg, Assistant Professor,
Department of Instrumentation**

- Organized a workshop of three days on Multisim for the first year students of BSc(H) Instrumentation from 8th December 2015 to 10th December 2015.

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

- Attended an international seminar conducted by Mathworks Pvt. Ltd. on design and implement signal processing, communication and computer vision systems using MATLAB and Simulink on 4th June 2015.
- Organised a three day workshop on “Multisim Software” on 8th, 9th and 10th December in Shaheed Rajguru College of Applied Sciences for Women.
- Ms. Himani Dua, Mr. Puneet Sehgal, *Long Period Fiber Grating (LPFG) and to Study the Effect of Coupling Length on Its Different Modes*, Vol. 3, Issue 6, June 2015, Page 83 to 87. (ISSN : 2321-2004)
- Mr. Puneet Sehgal, Ms. Himani Dua, *Wireless Optical Communication System and its Vital Component*, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 4, Issue 5, May 2015, Page 223 to 226. (ISSN : 2278-1021)
- Mr. Puneet Sehgal, Ms. Himani Dua, *A Review on Development of E-resources for Electronics Practical*, SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE, Volume 2 Issue 6–June 2015, Page 1 to 5. (ISSN : 2348-8549)
- Mr. Puneet Sehgal, Ms. Himani Dua, *A Review on Optical Fiber Long Period Grating, its applications in Optical Communication System*, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 4, Issue 5, May 2015, Page 624 to 630. (ISSN : 2278-1021)
- Mr. Puneet Sehgal, Ms. Himani Dua, *Designing of a Long Period Fiber Grating (LPFG) Using Optigrating Simulation Software*, SSRG International Journal of Electronics and Communication

Ms. Ritika Chopra Wadhawan, Department of Mathematics

- Chopra, R., Saxena, R.R, 2015, “Possibilistic linear programming with Triangular intuitionistic fuzzy numbers”, *Advances in Fuzzy Mathematics*, 10(1), 91-98.
- Chopra, R., Saxena, R.R, 2015, “Type-2 fuzzy linear programming problem with interval valued linear programming approach”, *The Journal of Fuzzy Mathematics*, 23(4), 813-820.
- Kumar, S., Chopra, R. and Saxena, R.R, 2015, “Matrix games with triangular intuitionistic fuzzy payoffs”, *The Journal of Fuzzy Mathematics*, **23(3)**, 611-622.

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

- Was member of Organizing Committee of UGC and DeitY sponsored National Conference on Advancements in Electronics and Computer Applications.

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

- Was member of Organizing Committee of UGC and DeitY sponsored National Conference on Advancements in Electronics and Computer Applications.

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

- Sachdeva, Tina and Sharma, Nehal. ”Future Architecture of General Purpose Computing on Graphics Processing Units (GPGPUs). “Paper presented at National Conference on Advancements in Electronics and Computer Applications (NCAECA-2016) held at Shaheed

Rajguru College of Applied Sciences for Women, University of Delhi, 4th-5th February 2016.

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

- Member of Organizing Committee, National Conference on Advances in Food Science and Technology (NCAFST'16) held on 16-17 March 2016.
- Presented a Research Paper on “Analysis of Pesticide Residues in Grapes after different treatments uses HPLC” in NCAFST Conference Proceedings 2016 with ISBN No. 978-93-81156-43-8. (97-102).
- Presented a review paper on “Sustainable utilization of Waste from Citrus Fruit Processing Industry-A review” in NCAFST Conference Proceedings 2016, 6-9. (ISBN No. 978-93-81156-43-8)
- Attended a seminar on Global Issues : “Food Safety and Food Laws” organized by AFST (I) Delhi Chapter on 23rd February, 2016.
- Attended a QIP Short term Course on “Trends in Harnessing Food Safety and Quality : Indian Prospective “ on 1st-4th December, 2015 at IIT Delhi.
- Attended the World Food Day Celebrations and National Seminar on “Social Protection and Agriculture — Role of Cooperatives and Food Processing Industries” organized by AFST(I) Delhi Chapter on 16th October 2015 at NCUI Auditorium.
- Attended a National Seminar on “Importance of Nutrition in development of Processed Foods” jointly organized by AFST (I) Delhi chapter and Protein Foods and Nutrition Development Association of India (PFNDAI) at Bhaskaracharya College of Applied Sciences, University of Delhi on 2nd September, 2015.
- Attended 2 days training program on Banana Ripening organized

by National Centre for Cold Chain Development on 16th-17th June, 2015 at Shaheed Rajguru College of Applied Sciences for Women.

- Visited a Banana Ripening Chamber at Kasna, Greater Noida organized by National Centre for Cold Chain Development on 17th June, 2015.
- Attended *Surakshit Khadya Abhiyan* (SKA) Working Group Meeting for Academic Institutes at CII FACE Delhi in October 2015.

**Ms. Seema Thakur, Assistant Professor,
Department of Computer Science**

- Nomaan Areeba, Neha Tiwari, Vartika Shukla, Projes Roy and Seema. “The Evolution of the “Bow-headed Tribe” in National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 25-28, 2016.
- Seema, Divya Pandey and Parvez Ahmad. “Cyber War : An Open Challenge to Our Nation.” Conference Proceedings, National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 84-88, 2016. (ISBN : 978-93-5254-496-7)
- Was a member of the organizing committee of the UGC and Deity sponsored National Conference on Advancements in Electronics and Computer Applications (NCAECA), held in Shaheed Rajguru College of Applied Sciences for women, 4-5 February, 2016.

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

- Bajaj Deepali, Isha Mangal, and Asha Yadav. “Towards an understanding of Li-Fi : Next generation Visible Light Communication Technology.” International journal Pf Engineering and Computer Science, 4 (2015) : 11638-1164.

- Bajaj Deepali and Asha Yadav. “Exploring Big Data Analysis Pipeline and Comparative Summarization of Mining Tools.” International journal for scientific research and development, (2015) : 124-127.
- Sharma Deeksha, and Asha Yadav. “Visualization of Big Data : Tools and Techniques for Data-Driven Decision Making”. in National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 37-40, 2016. (ISBN : 978-93-5254-496-7)
- Rani Megha, Ruby Singh, and Asha Yadav. “RMart : A Digi Campus.” In National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 49-51, 2016. (ISBN : 978-93-5254-496-7)
- Yadav Asha, Para Dholakia, Deepali Bajaj. “Health Buddy - Mobile Based Nutritional intake Tracking Application for young college students.” In National Conference on Advances in Food Science & Technology (NCAFST), 2016.
- Dholakia Para, Asha Yadav, and Deepali Bajaj. “Development of an Android based mobile application to track nutritional intake of young college students.” In International Conference on Challenges, Opportunities, Awareness and Prevention (Public Health : 2016), 2016.
- Successfully deployed Online Voting System summer internship project . For the user interface, Netbeans IDE 6.5.1 was used. As the backend Oracle 10Gi was used.
- Was a member of organizing committee of the National Conference on Advancements in Electronics and Computer Applications (NCAECA), held in Shaheed Rajguru College of Applied Sciences for women, February, 2016.

Ms. Ritu Jain, Assistant Professor, Department of Instrumentation

- Ritu Jain, Deepika Dhaniala, Rakhi Goel, Babita Thadani, Divya Gupta, Purva Bhatia, Bhanavi Shukla, Kaavya Raveendran. *The*

Naga's Saturnalia : Festivities & Celebrations of Nagaland (Emphasizing on Various Dance forms and Folk songs). DU Journal of Undergraduate Research and Innovation volume 1 issue 2, (ISSN : 2395-2334), May 2015.

- Ritu Jain. *Advancement in the field of robotics in medical industry : A Theoretical Review*. International Journal of Research in Advent Technology , Volume 3, Issue 9, (E-ISSN : 2321-9637), September 2015.
- Went on one day industrial visit to Institute of Nuclear Medicine and Allied Sciences, DRDO, Delhi in December 2015.
- Went on one day industrial visit to Regional Centre of Biotechnology, Faridabad in February 2016.

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

- Tyagi Monika, Preeti Singhal, Sumit Kumar, Damini Bhatt, Akshara Rai, Madhu Pandey and Ritu Gupta. “Designing a Mobile Application with OTP technique as an enhancement to e-attendance.” In National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 34-36, 2016.
- Was a member of organizing committee of the National Conference on Advancements in Electronics and Computer Applications (NCAECA) held in Shaheed Rajguru College of Applied Sciences for women, February, 2016.

**Yogesh Pratap, Assistant Professor,
Department of Instrumentation**

- Got “**Best Paper Award**” for the paper entitled “*CSDG MOSFET : An Advanced novel architecture for CMOS Technology* “ in International Conference “INDICON”, held at Jamia Millia Islamia University, 17th-20th December, 2015, New Delhi, India.

- Attended one Day Short Course on Quantum Transport in Carbon-Based Devices organized by Dept. of Electronics, *University of Delhi South Campus, New Delhi-110021* on January 13, 2016.
- Attended IEEE Distinguished Lecture on Creating a Perfect Dielectric-Semiconductor Interface with High-k Gate Dielectrics for sub-14nm CMOS Technology organized by Dept. of Electronics, *University of Delhi South Campus, New Delhi-110021* On January 8, 2016.
- Attended IEEE EDS Distinguished Lecture on Outlook and Challenges of Electrostatic Discharge (ESD) Protection of Modern and Future Integrated Circuits organized by Dept. of Electronics, *University of Delhi South Campus, New Delhi-110021* on 14th December, 2015.
- Yogesh Pratap, S. Haldar, R. S. Gupta and Mridula Gupta, “Localised Charge Dependent Threshold Voltage Analysis of Gate Material Engineered Junctionless Nanowire Transistor,” *IEEE Transactions on Electron Device*, Vol. 62, no. 8, pp. 2598-2605, August 2015. [Impact Factor : 2.512]
- J. H. K Verma, Yogesh Pratap, S. Haldar, R. S. Gupta and Mridula Gupta, “Capacitance Modeling of Gate Material Engineered Cylindrical/Surrounding Gate MOSFET for Sensor Applications,” *Superlattices and Microstructures*, Vol. 88, Pages 271–280, December 2015. [Impact Factor : 2.09]
- Yogesh Pratap, R. Gautum, S. Haldar, R. S. Gupta and Mridula Gupta “Physics-Based Drain Current Modeling of Gate-All-Around Junctionless Nanowire Twin-Gate Transistor (JN-TGT) for Digital Applications,” *Journal of Computational Electronics*, (Accepted), 2016. [Impact Factor : 1.6]
- “Impact of Asymmetric Gate Stack on a Junctionless CSG MOSFET for Enhanced Hot Carrier Reliability,” A. Sharma, A. Jain, Yogesh Pratap, and R. S. Gupta, *INDICON*, 17th-20th December, 2015, JMI, New Delhi, India.

- “CSDG MOSFET : An Advanced novel architecture for CMOS Technology,” J. H. K. Verma, Yogesh Pratap, S. Haldar, R. S. Gupta and Mridula Gupta, INDICON, 17th-20th December -2015, JMI, New Delhi.
- “Sensitivity Investigation of Gate-All-Around Junctionless Transistor for Hydrogen Gas Detection,” Yogesh Pratap, Manoj Kumar, S. Haldar, Mridula Gupta, R. S. Gupta (Accepted) 7th International conference INEC 2016, 9th-11th May, 2016, Chengdu, China.
- “DMG Insulated Shallow Extension Cylindrical GAA Schottky Barrier MOSFET for Removal of Ambipolarity : A Novel Approach,” Manoj Kumar, Yogesh Pratap, S. Haldar, R. S. Gupta and Mridula Gupta, (Accepted) 7th International Conference INEC 2016, 9th-11th May, 2016, Chengdu, China.

Extra Curricular Activities

The Academic Session commenced on 20th July, 2015 for which orientation programme was organised on the same day. The college students presented song and dance performances.

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

Freshers’ Party

The Freshers’ Party was hosted on 13th August, 2015 to welcome the newcomers for the year 2015. The very first fun filled event of the session saw enthusiastic participation by the newly admitted students as well as their seniors. The Miss Freshers’ title was bagged by Ms. Shaleen Tripathi from Department of Bio-Medical Sciences.

Independence Day

To keep the spirit of nationalism alive, Independence Day celebrations on 15th August, 2015 in college campus. The celebrations commenced

by introductory address by Principal followed by dance performances, music recitals by the students.

Rajguru Day

This academic session, on the 107th birth anniversary of Shivaram Hari Rajguru on 24th August 2015, the Rajguru Day celebrations began with plantation of tree by the guests followed by lamp lighting and several other cultural activities. The occasion was graced by Chief Guest **Ms. Swati Maliwal, Chairperson, Delhi Commission for Women**; Dr. S. Lakshmi Devi and the members of governing body of the college. While addressing the students on the occasion, Ms Swati emphasized on women empowerment and upliftment. She also launched college website designed by college students. The event came to an end with the tree plantation drive done by the students in and around the campus.

Student Council Elections

Student Council Elections were held on 4th September, 2015 in compliance with Lyngdoh Committee recommendations. The following students were elected :

Post	Post Holder	Stream
President	Kaavya Raveendran	Food Technology, 3rd Year
Vice-President	Rimi Palmo	Computer Science, 3rd Year
Secretary	Toshita Kalkana	Biomedical Science, 3rd Year
Cultural Secretary	Deergha Manocha	Food Technology, 3rd Year
Joint Secretary	Simran Arora	Electronics, 2nd Year
Treasurer	Niharika Bisht	Computer Science, 2nd Year
Swachh Bharat Abhiyan Ambassadors	Ritu Gupta Sinni Mishra	Electornics, 3rd Year Food Technology, 3rd Year

Department Student Council 2015-2016

Stream	President	Vice President	Secretary	Treasurer	Jt. Secretary
Biomedical Sciences	Rachita Srivastava	Saujanya Saxena	Sukriti Sacher	Mansi Srivastava	Shatakshi Shukla
Computer Science	Himani Kaira	Shweta Rajput	Neha Tiwari	Shreshtha Pushkar	Devanshi Bharadwaj Mansi Shukla
Electronics	Koushikey Chhapariya	Anju Kanyal	Honey Tyagi	Varnika Bishnoi	Sakshi Tyagi Rishika Sharma
Food Technology	Mansi Manchanda	Kirat Khushwinder Bains	Mridula Chaudhary	Anchal Gupta	—
Instru-mentation	Deeksha Agarwal	Tanya Gandhi	Praima	Mehak Thareja	Saloni Goel

Class Representatives 2015-2016

Stream	Year	Class Representative(s)
Computer Science	First Year Second Year Third Year	Vaishali Chhabra, Ayushi Ruby Singh, Neerajpreet Kaur Shakshi Bachhety, Preetanjali Ray
Instrumentation	First Year Second Year Third Year	Sonika Tanya Gandhi Anushka Singh
Electronics	First Year Second Year Third Year	Akanksha Tyagi Simran Arora Nupur Jaitly
Bio-Medical Sciences	First Year Second Year Third Year	Sheetal Pathania Aayushi Kalra, Ritika Bhardwaj Toshita Kalkana
Food Technology	First Year Second Year Third Year	Rashi Jain Richa Tripathi Disha Gupta

Diwali Mela

Student council hosted the second inter college Diwali Mela on 9th October 2015. The air filled up with festive zeal with the organisation of various competitive events like rangoli making, matka decoration, Mr. and Ms. Ethnic etc in the perfectly decorated campus. The highlight of the celebrations was the Dandiya Evening.

College Trip to Dharamshala-Macleodganj

A 5-day trekking and sight-seeing excursion was organised to Dharamshala and McLeodganj from 21st-25th October 2015 with about 130 students from all departments along with some faculty members. The trip proved to be a very adventurous and enjoyable one.

Vigilance Week Seminar

The college in collaboration with NTPC, Dadri organized a vigilance awareness and corruption Quiz on 27th October 2015. More than 100 students participated and 4 winners were selected and were given prizes worth Rs. 6000/- from NTPC.

Vivekananda Day

To mark the 153rd birth anniversary of Swami Vivekananda, observed as National Youth Day nationwide, the college had organised a lecture entitled “Role of Youth in Nation Building” in collaboration with Sindhu Srijan, Delhi on 12th January 2016.

The Chief Guest and speaker was Dr. Urvashi Makkar, a renowned academician and the event was presided over by Ms. Upasana Aggarwal, Director, Sindhu Srijan, Delhi. Dr. Urvashi Makkar delivered her talk on the topic, ‘Role of Youth in Nation Building’.

Dr. Urvashi emphasized on the importance of entrepreneurship and skill development. She also focused on how important it was to build a strong character, be devoted, disciplined and proud of oneself.

IMS Seminar

The IMS foundation, Vaishali, Ghaziabad had conducted a counselling session on 17th February 2015 wherein students were made to come face to face with the actuality of the outside world. Additionally, they were taught simple tricks that could be applied to solve logical questions.

Art of Living Seminar

A seminar was conducted by the Art of Living Foundation on 29th February 2015 in order to propagate about the World Cultural Fest (11th-13th March 2016) and enlighten the students about the Art of Living Foundation. They also made them learn the techniques of improving concentration by meditation.

Karvaan 2016 (Cultural Festival)

Karvaan, the annual cultural fest the college, was a two day cultural extravaganza held on 8th and 9th March 2016 in the college campus.

The fest was announced open on 8th March 2016, i.e. Women's day, by inauguration program in the auditorium. The first day witnessed a plethora of competitive events in the form of Eloquentia-the literary festival, Vistoso- the fine arts festival and Avirbhav- the music festival. Apart from these, Kinesthesia (the choreography event), Lalkaar (the street play event), and Battle of Bands were the highlighting events.

The second day, i.e. 9th March 2016, began with the solo dance event, Dancellenium, followed by duet dance event named Dancellenium 2.0. Thereafter, Vogue, the fashion show and Beat Puppets, the group dance event took place. These events were followed by an enthralling DJ evening and then a spectacular stage concert by renowned Punjabi artist, Hardy Sandhu. To mark a beautiful end to this journey named Karvaan' 16, everybody left glowing lanterns into the air, symbolizing the liberation of women.

A brief summary of the winners of various events is presented on the following pages.

S. No.	Society	Event	Position	Name	College
1.	Ahaarya The Dance Society	Beat Puppets : Group Western Dance	First Second Third	Afroza Misba Tanz	IP College (W) SGGSCC Miranda House
		Kinesthesia : Choreography Event	First	Sensation	Kirorimal College
		Dancellenium 2.0 : i) Solo Dance Competition	First Second Third	Tejaswani Manpreet Singh Aman Adhikari	Bhaskaracharya SOL ANDC
		ii) Duet Dance Competition	First Second	Pulkit & Sakshi Bhavuk & Anupama	
2.	Elvira The Fine Arts Society	Vistoso : Fine Arts Fest			
		i) Cardina	First Second Third	Pratibha Akshara Rai Chetna Virmani	Deshbandhu College SRCASW Dayal Singh College
		ii) Doodle-a-tive	First	Divya Dua	SRCASW
		iii) Fedoranza	First Second Third	Pratibha & Om Gunjan & Poorva Avrin & Gunjan	Deshbandhu College SRCASW SRCASW
		iv) Karikatur	First Second Third	Mohit Rohit Sonali Jain	SOL Dayal Singh (E) Maharaja Agrasen
		v) Inkfiesta	First Second Third	Shiva, Sachin Akansha, Jaswinder Vivek, Anubhav Rohit, Harshit	Dayal Singh, SOL SGGSCC GTBIT College of Arts Dayal Singh (E)
3.	Glamfire The Fashion Society	Vogue : Fashion Event	First Second	Glamouratti Poise	Dayal Singh College Institute of Home Economics
			Best Male Model		

S. No.	Society	Event	Position	Name	College
			Best Female Model		Institute of Home Economics
4.	Inklings The Literary Society	Eloquentia : The Literary Fest i) Antithesis : Debate ii) Quidditch : Theme Event iii) The Reaping : Scramble iv) Continuum Fantasia : JAM v) Trailing the Vamps : Treasure Hunt vi) Tales told Differently : Creative Writing	Best Team Best Interjector Best Speaker First First Second First First Second Third First Second	Meena Sunita Gopal Neha Suhani Akshara Rai Pooja Singh Monica Gupta Suleaman Satakshi Anurag Areeba Noman Vandana Godara Akshat Pathak Sudhesh Kumar Animesh Adritanaya	B R Ambedkar College Shaheed Sukhdev College Faculty of Arts SRCASW Gargi College SRCASW Bhaskaracharya SRCASW Kirorimal College SRCASW JMI Ramanujan Bhagat Singh
5.	Mukhauta The Dramatics Society	Lalkaar : Street Play Event Best Actor	First Second First	Shahed Jazba Avikal	SRCC Keshava MV Ramanujan SRCC
6.	NSS	Junk Arte : Toys from Trash	First	Namrata	SRCASW

S. No.	Society	Event	Position	Name	College
		Dress-O-Press : News Paper Dressing	First Second	Jyoti & Shaifa Poorva, Pooja, Gunjan	Maitreyi College SRCASW
		Green-O-Shot : Selfie with Nature	First	Ankush Gautam	Chandigarh University
		Speed Art : Painting/ Sketching Competition	First Second	Shivkant Kumar Sonali Jain	Dayal Singh Maharaja Agrasen
7.	Philyra The Music Society	Cadenza : Solo Singing			
		Classical	First Second Third	Maanya Arora Srijan Anand Vidhi Tyagi	Miranda House NIEC Miranda House
		Western	First Second Third	Chandralekha Shrimayi Arpita Arora	Hindu College Dayal Singh (M) SGND Khalsa
		Chorale : Group Singing Event	First Second	Geetanjali Swaranjali	Miranda House NIEC
		Battle of Bands	First Second	Muffils Knight Shades	M R University DCAC
8.	Shufflesots The Photography Club	Shootart : Online Photography Competition	First Second Third	Bhavish Reddy Ishaan Bhasin Saurabh Kumar	BMLM University MAIT Amity University
		Lensarc : Photography Competition	First Second Third	Monika Jaiswal Sheetal Sans Saurabh Kumar	SRCASW SRCASW Amity University
9.	Core Committee	JAM : Talent Hunt	First Second Third	Swastik Navneet Akshay	Maharaja Agrasen PGDAV SGND Khalsa

Other Participations and Awards

1. Philyra

The music society of the college — Philyra participated in group, duet and solo singing competitions in various cultural fest organised in different colleges in the year 2015-16. These include :

- Aurobindo College (Group)
- Delhi Technological University (Group)
- PGDAV College (Group)
- Bhaskaracharya College of Applied Sciences — “Songs in India” (Group)
- Maharaja Agrasen College (Solo and duet)

The society secured second position in Bhaskaracharya College of Applied Sciences.

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 Position, Indus Business Academy
- First Position, Hindu college
- Second Position, Institute of management and Research, Bharti Vidyapeeth
- Second Position, Maharaja Agrasen Institute of Technology
- First Position, Greater Noida Institute of Technology
- Special mention at Aurobindo College
- Token of appreciation at Krishna Engineering College
- Performances at NSD, SRC and Raahgiri day, Connaught Place

3. Glamfire

Glamfire is the fashion society comprising of talented prodigies working for the society as designers, stylists, models and props artists. The society is headed by Deergha Manocha, the President, Mona Singh, the Vice President and managed by Ragya Kapoor, the secretary and Deveshi Gupta. The society's theme for Season 2015-16 was 'The Portrait of a Lady', wherein, an attempt was made to showcase the various symbolisms that use women figures.

This season, the society was specially praised for the designs and use of props. The society bagged the second position at Amity Business School and the third position at Dyal Singh College, University of Delhi. Also, they successfully hosted Vogue, the fashion event at Karvaan, the annual cultural fest of the college

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*. This year members of Elvira participated in plethora of events held in and outside college and some of them have won prizes showing commendable performance.

- Participation in Quilling event at SGGSCC — Arushi and Dimple
- Participation in paint-a-spot (painting competition) at Rendezvous 2015, IIT Delhi — Damini
- Participation in newspaper dress making at Lady Irwin college- Arushi, Damini, Dimple, Anita
- 2nd prize in card making — Arushi Arora
- Participation in rangoli competition at Maitreyi college — Anita and Arushi
- Participation in inkfiesta (tattoo making) at SRCASW — Isha and Disha

- Participation in speed art and newspaper dress making by NSS at SRCASW — Kadambini
- Participation in rangoli competition at lady Irwin College — Tarana, Megha (Instrumentation 2nd year) — Neerajpreet.
- Participation in best out of waste competition by Ecoclub (SRCASW) — Mrigya
- 1st prize in Rangoli competition at Diwali mela 2015 at SRCASW — Megha
- Participation in Fedoranza (head gear designing) at SRCASW — Megha
- 2nd prize in Table Decoration in Flower show of DU — Ayushi
- 2nd prize in Cardina(cardmaking) at SRCASW — Akshara
- Participation in matka decoration at Diwali mela 2015 (SRCASW) — Akshara and Damini
- 2nd prize in best out of waste at Shaheed Sukhdev College — Diksha Tewari, Deeksha Sharma
- 1st prize in Rangoli (NSS) at SRCASW— Diksha Tewari
- 1st prize in best out of waste by ecoclub (SRCASW) — Diksha Tewari
- 1st prize in Rangoli (best out of Trash) at BMS Plexus in SRCASW — Diksha Kulshreshta
- Participation in speed art (by NSS) — Diksha Tewari, Diksha Kulshreshta
- 2nd prize in rangoli competition at Diwali mela 2015 (SRCASW) — Deeksha Sharma, Anjali
- Participation in Inkfiesta (tattoo making), Karikatur (caricature making), newspaper dress making (by NSS) and Rangoli (NSS) — Megha Sahni
- Participation in Karikatur (caricature making), Inkfiesta (tattoo making), Newspaper dress making at SRCASW — Shivani Digari

- 1st prize in poster making by NSS and Diya decoration by young association at SRCASW — Neerajpreet Kaur
- Highly commendable in Rangoli competition in Flower show of DU — Neerajpreet Kaur
- Consolation Prize in Diya Decoration competition by young association — Anita Sharma
- Consolation Prize in Card Making competition by young association — Dimple Nigam
- Participation in card making competition by young association — Arushi Arora

5. Inklings

Astitva

The Literary Society of Shaheed Rajguru College of Applied Sciences for Women hosted a talk show ‘Astitva — an attempt to talk about and raise women issues. Shri. Dilip Pandey and Ms. Chanchal Sharma, the authors of the book ‘Khulti Girhein’ were the keynote speakers at the event. Other eminent guests included Ms. Richa Pandey Mishra, Chairperson of the Governing body and Mr. Ismaili, the Treasurer. The novel depicts the story of five strong female characters who fight every turbulence that comes their way and carve their own niche in the patriarchal society. The views expressed by the authors reflect their progressive thoughts about the status of women in today’s society.

Eloquentia’16

The Literary Society of Shaheed Rajguru College of Applied Sciences for Women (University of Delhi) hosted Eloquentia’16 — the Annual Literary Fest on the 8th March, 2016. This year, the theme chosen was fantasy.

Six major events were organized as part of the fest viz. Debate, Online Creative Writing Competition, Just a Minute, Scrabble, A Theme Event and Treasure Hunt.

6. Ahaarya

Ahaarya (meaning “expression” or “a way to express”) is the dance society of the college that was founded in 2014 by bunch of enthusiastic and prodigious dancers of our college to carry on the legacy of the former dance society, Silversteppers. The society represented the college in various cultural and departmental festivals of the colleges spanning Delhi and the NCR region in the category of western group, solo and duet. The achievements of the society this year include :

- Western Group Dance Competitions :
 1. Top 8 in Delhi round of Hip Hop International World Championship.
 2. 1st position — Acharya Narendra Dev College
 3. 1st position — Ramanujan College
 4. 1st position — Aryabhata College
 5. 2nd position — B R Ambedkar College
 6. Special mention — Delhi College of Arts and Commerce
 7. Special mention — Bharatiya Vidyapeeth
- Western Duet Dance Competition :
 1. 1st position — ITM, Gurgaon

7. Shuffle-Shots

Shuffleshots, the photography society has been very active throughout the academic session-2015-16. The young photographers cover all the college events. The events include- lecture series/workshop/seminars, conferences, Diwali mela, sports day, Karvaan, art of living seminar, stress management workshop, address by the president, management and technical fests of college, NSS camps, alumni meet of BMS department and many more.

The society had successfully organised two events (Lensarc — on the spot photography, Shootart — online photography) in Karvaan’ 16 with a huge participation from a variety of colleges.

Our members have won the following competitions :

- Avreen Chawla — 1st position, Say Cheese (World Food Day), SRCASW
- Anchitaa — 2nd position, Say Cheese (World Food Day), SRCASW
- Anchitaa — 1st position, Sleekshots (Plexus), SRCASW
- Shivangi Verma — 2nd position, Sleekshots (Plexus), SRCASW

8. Robotics Club

1. Students participated in competition organized by e-Yantra, IIT, Bombay. *e-Yantra* is a project sponsored by MHRD through the National Mission on Education through ICT (NMEICT). The students got the theme hazardous waste disposal and they had to design a robot according to the guidelines given by IIT, Bombay. The students completed all the tasks successfully. The team secured 7th position amongst 62 teams all over India.

The following students participated in e-Yantra 2015-16 competition :

Veni Gupta, B. Tech., Computer Science (3rd year)

Neha Chandola, B. Tech., Computer Science (3rd year)

Shreyta Ranjan, B. Tech., Computer Science (3rd year)

Sheetal Varshney, B. Tech., Electronics (3rd year)

2. Robotics club organized workshop on “Sensor Robot” on March 11th-12th, 2016.
3. Science fiction movie Screening : “*Interstellar*” was organized for the students of the college.
4. Forty two students participated in National Anveshika Experimental Skill Test (NAEST) organized by Acharya Narendra Dev College (ANDC), Govindpuri, Kalkaji, New Delhi in August, 2015. (Screening : August 21, 2015 and Prelims : August 28, 2015)

Academic Prizes

Glimpses of Result

Overall (2012-2015)

Stream	I	II	III
B. Sc. (H) Biomedical Science	Neha Chaudhary	Manasvi Gupta	Priya Sharma
B. Sc. (H) Computer Science	Annu Joshi	Ruchika Salwan	Drishti Srivastava
B. Sc. (H) Electronics	Pooja Sharma	Jyoti Saxena	Neha Daga
B. Sc. (H) Food Technology	Shweta Srivastava	Srishty Gupta	Ritika Sharma
B. Sc. (H) Instrumentation	Bharti Kathoiya	Bhawna Mann	Priyanka Sharma

III Year (2014-2015)

Stream	I	II	III
B. Sc. (H) Biomedical Science	Palak Parashar	Neha Chaudhary	Manasvi Gupta
B. Sc. (H) Computer Science	Annu Joshi	Divya Gandhi	Aayushi
B. Sc. (H) Electronics	Pooja Sharma	Jyoti Saxena	Neha Daga
B. Sc. (H) Food Technology	Shweta Srivastava	Anam Hashmi	Ritika Sharma
B. Sc. (H) Instrumentation	Priyanka Sharma	Jayanti Jha	Neha Mittal

II Year (2014-2015)

Stream	I	II	III
B. Sc. (H) Biomedical Science	Mahima	Kajal Garg	Richa
B. Tech. Computer Science	Diksha Tewari	Neha Chandola	Dinika Saxena
B. Tech. Electronics	Ritu Gupta	Sheetal Varshney	Priya Naib
B. Tech. Food Technology	Himshikha	Sandhya	Shruti Goel
B. Tech. Instrumentation	Sheetal Sans	Shivani Ranjan	Perna Singh

I Year (2014-2015)

Stream	I	II	III
B. Sc. (H) Biomedical Science	Aayushi Kalra	Parul Garg	Ritika
B. Sc. (H) Computer Science	Deepti Sharma	Diksha Singhla Rishika Bhatia	Divya Singh
B. Sc. (H) Electronics	Honey Tyagi	Anju Kanyal	Shweta Gupta
B. Sc. (H) Food Technology	Kritika Aggarwal	Deveshi Gupta	Shatakshi
B. Sc. (H) Instrumentation	Roopal Pooja Chaurasiya	Prachi Sharma	Nupura Raj

Annual Day Prizes

This year only BMS students are graduating. The list of their academic prizes is as follows :

Particulars	Biomedical Science (BMS)
Best Student	Rachita Srivastava
Most Disciplined Student	Diksha Kulshrestha
Highest Attendance	Shatakshi Shukla, B. Sc. (H) BMS, IInd year, 99.17%

Sports Prizes

Outstanding Sportswoman of the Year	Priya Naib, B. Tech. Electronics, IIIrd Year
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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!

