

18th Annual Day
23rd April 2015
Principal's Report

“Take up one idea. Make that one idea your life - think of it, dream of it, live on that idea. Let the brain, muscles, nerves, every part of your body, be full of that idea, and just leave every other idea alone. This is the way to success.”

....**Swami Vivekanand**

With this quote of Swami Vivekananda, I take the opportunity to welcome our esteemed guests on the dais, our dearest students, their proud parents, our dedicated faculty and hardworking staff to this eventful day of the year. It is an honour to have you all amidst us to be part of 18th Annual Day Celebrations of the college, the day where we shall share with you our achievements and glory.

On behalf of Bhaskaracharya family, I welcome our Chief Guest, **Prof. J.M. Khurana**, Dean Student’s Welfare. We have Chairman of our Governing Body, **Prof. Devesh K. Sinha**, who is also Dean, Faculty of Science, presiding over this function. We are honoured to have with us our Guest of Honour, **Prof. K. S. Rao**, Treasurer of our Governing Body. We also have amongst us Founder Principal of the college **Dr. G. R. Chopra** to motivate us all as always. It gives me immense pleasure to welcome all the dignitaries and apprise you with our college and its achievements.

Our college is a constituent college of the University of Delhi and entirely funded by Government of National Capital Territory of Delhi. The foundation of the college was laid in October, 1995 and was named after the great mathematician of 12th Century, Bhaskaracharya. Compared to the history of University of Delhi, our college is still in its nascent stage. But we can still proudly claim to be the only college in the University of Delhi to offer eight Sciences courses, namely, Bachelor of Honours in Computer Science, Electronics, Instrumentation, Food Technology, Polymer Science, Biomedical Science, Physics and Microbiology. At present, our college has reached the strength of 1100 students.

The college aims to provide a platform for the students to explore, identify and develop their latent potential. With this perspective in mind, classroom teaching in our college is supported by seminars, industrial tours, project trainings, e-learning etc. The college also organizes various Extra-curricular, Co-curricular and Sports activities throughout the year, realizing that these activities play a vital role in building and shaping the character of the students.

On this auspicious day, I am extremely happy to welcome **Mr. Maneesh Jetley**, our Alumnus of 1995-1998 batch from the Department of Electronics who has been chosen for the **Distinguished Alumni Award** for the year 2014-15. At present, he is working as Head – Service Operators with Thermo Fischer Scientific. The college is also very proud to honour **Ms. Meenal Gauri** from 2004-2007 batch of B.Sc.(Hons) Biomedical Science for inspiring young minds. She is at present working as a Head – Market Access, Business development and Alliance Management, for Boehringer Ingelheim India Pvt. Ltd. I congratulate the families of Mr. Maneesh Jetley and Ms. Meenal Gauri on the achievements of their respective wards.

Each academic year lays down the foundation for new ideas and insights into the scope for improvement in the future. The college has made immense strides during the academic year 2014-15 towards creating the constructive, fearless but disciplined environment for teaching, learning and academic creativity.

I take this opportunity to highlight some of the salient features of academic and co-curricular achievements for the academic session 2014-15:

In the year 2008, the College instituted the “Best Student Award” for holistic performance of a student in the College. From the year 2011, it was decided to confer two awards *i.e.*, one for the Best Student (Male) and other for the Best Student (Female). The evolved criteria includes academic excellence as well as active participation in co-curricular and extra-curricular activities. I take this opportunity to announce the names of Best Student(s) for the year 2014-15. This year, the **Best student (female) award** goes to **Ms. Shweta Warriar** from Biomedical Science Department and **Best student (male) award** goes to **Mr. Aman Jain from Department of Food Technology**. I congratulate both for being selected as Best Students on behalf of the entire Bhaskaracharya family.

I take pride in conferring the Deepika Wanganoo Memorial Award, 2014, instituted in the fond memory of Deepika Wanganoo, a former student of Department of Electronics, to **Mr. Arvind Pratap Singh**, who bagged first position in the 2011-2014 Batch of B. Sc. (Hons) Electronics. Another memorial prize was initiated by the parents of Mr. Saurabh Grover, a former student of our college from Department of Physics. This award is being conferred to the student who bags the first position in B. Sc. (Hons) Physics. This year the award goes to **Mr. Deepak Kumar Sharma**.

Moving on, I congratulate **Dr. Geeta Bhatt**, Associate Professor, Department of Instrumentation, on being conferred with the '**Best Teacher Award**' for the academic year 2013-14 by the Directorate of Higher Education, Government of NCT of Delhi. I am pleased to announce that **Dr. Anand Bharadvaja**, Associate Professor, Department of Physics has been honoured with this award for the year 2014-15. Many congratulations to **Dr. Ranjeet Thakur**, Librarian of our college, who has been conferred with '**Distinguish Faculty Award**' on the occasion of Diamond

Jubilee celebrations of Delhi Library Association (DLA). I am also happy to share that two faculty members, **Dr. Avneesh Mittal** and **Dr. Anil Kumar**, have successfully defended their Ph.D.'s to University of Delhi this year.

From the academic year 2012-13, the University of Delhi initiated the Innovation Project Scheme for inter-disciplinary research in colleges. The college successfully completed five projects under this scheme in the year 2012-13 and two patents were also filed from one of the projects. Last year, our college was sanctioned **nine DU Innovation Projects** which were completed successfully in the year 2014-15. I congratulate the Principal Investigators of these projects. Out of these nine DU-Innovation Projects, our college received “**Certificate of Appreciation**” for five Innovation Projects at ‘Antardhwani-2015’ with four under Best Display and one for best innovation idea. I personally acknowledge other funding agencies for providing financial support to the college. Special thanks to Government of National Capital Territory of Delhi for providing necessary funds to our college and thanks to University Grants Commission (UGC) and Indian Council of Medical Research (ICMR) for the extramural projects.

Department of Food Technology of our college had been awarded with ‘**STAR Department Status**’ by the Department of Biotechnology, Government of India from September, 2013. I am proud to convey to you that in view of the satisfactory progress of the scheme, the Expert Committee of Department of Biotechnology has now recommended for **continuation of Star College Grant** at the existing level under the “Strengthening Component of the Star College Scheme” to all the four participating science departments, namely Biochemistry, Biomedical Science, Food Technology and Microbiology, currently benefitting under the scheme.

Our college aims to update students about the new developments in research and industry by inviting speakers from diverse fields. Each Department of the college has its own academic society. These societies not only organize several seminars delivered by experts from industry and academic institutions to apprise the students about the latest developments in the respective fields but also hold workshops, symposia and conferences from time to time.

The clubs in the college provide a platform to student from various departments to meet, share and pursue their extra-curricular interests. Students of the college are required to join a club of their interest and engage themselves in various activities to enhance their skill(s). The college has several clubs like Astronomy Club, Eco Club, Debate Club, Quiz Club, Dramatics and Fine Art club, Music club, Dance Club, Mountaineering and Trekking club, Film Club and Photography Club.

The ECA Committee organized a two-day Inter-college Cultural festival **SRIJAN-15**, in which teams from various colleges participated. All the clubs actively participated during the college festival. “Eco club” initiated ‘**Swachh Bharat Abhiyan**’ on the occasion of Gandhi Jayanti on October 2, 2014. Members of Eco Club actively participated in the drive to clean the college

campus. The music club groups DHRITI and MOKSHA participated in 'Antardhvani-2015' and won many accolades. MOKSHA won second prize in the Choir singing competition and DHRITI secured third position in the Rock Band competition. Mr. Manav Doshi, one of the member of music club, also participated and secured first position in the Vocal Solo event organized during Antardhvani-2015.

To bring out the literary skills of the students, the college brings out a magazine, **Resonance**, every year, which gives students and staff an opportunity to express their literary talent. The magazine has articles both in English and Hindi and is well appreciated among the students.

Our college has a '**Gender Sensitizing Committee**' consisting of teachers, students and non-teaching staff. The College is very sensitive to the needs of the **differently-abled members** of the college community. To make the stay of some of these members little more comfortable, the college has already inaugurated a ramp connecting the ground floor to the first floor of the college. We also hope to install a lift by next year.

The academic achievements and activities of our teaching staff is also commendable, details of which are listed in this report.

I really appreciate the team work of teachers, non-teaching staff and students striving hard to take the college to new heights. I take this opportunity to thank the Governing Body of our college for their valuable guidance, suggestions and support. I thank the Bursar; Secretary, Staff Council; Teacher-in-Charges of all the departments; conveners of different committees and coordinators of various clubs and societies and the non-teaching staff of our college for their zeal, participation and active support in the management of the College.

I hope that the students of this college will integrate in the society and help in the progressive development of the nation. I urge them to take the challenges in their path as inspirations and keep on moving in life. As Swami Vivekananda said, *"In a day, when you don't come across any problems - you can be sure that you are travelling in a wrong path."*

As our country aspires to be a global economic giant and brings with it plenty of opportunities along, I appeal to all the students, who are lucky to be part of this magnificent prospect, to recognize the right place and the right time and seize their opportunities with due diligence. God bless you all.

Dr. Manoj Khanna

Principal

Academic Achievements

Meritorious Students (Academic Year 2013-14)

Our successful endeavors this year, in the field of academics, co-curricular activities and international arena have propelled us to push our limits and work even more zealously. As always, our students have done exceedingly well this year and won numerous accolades to make us proud. We are sure that Bhaskaracharya College of Applied Sciences will keep up the tradition of setting new standards of success.

| S. No | Course | First Year | | Second Year | | Third Year | |
|-------|------------------------------------|---------------------|------------------|-------------------|------------------|----------------------|------------------|
| | | Name | College Position | Name | College Position | Name | College Position |
| 1 | B.Sc.(H) Biomedical Science | Anuvrat Sircar | I | Shweta Warriar | I | Rahul Ahuja | I |
| | | Stabonia Maji | II | Meenakashi | II | Preeti Jindal | II |
| | | Sabita Yadav | III | BatraArushiArun | III | N.S.P. Sravanthi | III |
| 2 | B.Sc.(H) Computer Science | Prabhjot Kaur Sethi | I | Anchal Rajpal | I | Vasundra Sharma | I |
| | | Anshika Chourasia | II | Ridhi Rajpal | II | Megha Datta | II |
| | | Arun Rajora | III | Nikhil Raheja | III | Ayushee Rastogi | III |
| 3 | B.Sc.(H) Electronics | Gaurav Verma | I | Gaurav Raj Sengar | I | Arvind Pratap Singh | I |
| | | Akash Kumar | II | Astha Dwivedi | II | Lakshay Dhawan | II |
| | | Rishi Kashyap | III | Aman Singh | III | Manisha | III |
| 4 | B.Sc.(H) Food Technology | Diksha Kumari | I | Aditi | I | Sakshi Chopra | I |
| | | Manu Kumar | II | Arun Kumar Gupta | II | Sachi Sethi | II |
| | | Harshita Sarwal | III | Shefali Jindal | III | Monika Kakkar | III |
| 5 | B.Sc. (H) Instrumentation | Chirag Mittal | I | Himanshu Joshi | I | Abhinav Abhishek | I |
| | | Anshu Pandey | II | Parveen | II | Piyush Mishra | II |
| | | Parth Gautam | III | Sanjana | III | Jeevatdeep | III |
| 6 | B.Sc. (H) Microbiology | Shubham Singh | I | Damini | I | Babbal | I |
| | | Tania | II | Vandana Singh | II | Swati Singh | II |
| | | Nishika | III | Deepanshu Kumar | III | Namya Rishi | III |
| 7 | B.Sc.(H) Physics | Kaustav Mukherjee | I | Monika Satpal | I | Deepak Kr. Sharma | I |
| | | Atul Mishra | II | SachinKaushik | II | Pratik Chattopadhyay | II |
| | | Piyush Singh | III | Kalyani | III | AbhinavAnand | III |
| 8 | B.Sc.(H) Polymer Science | Omair Malik | I | Anurag Kumar | I | Shiksha Bakshi | I |
| | | Ravinder Singh | II | Akanksha Agrawal | II | Rajvinder | II |
| | | Kushagra Malik | III | Sagar Arora | III | Deepa Sharma | III |

Academic Achievements

We acknowledge the support provided from various funding agencies in terms of projects sanctioned for the faculty and students. Special thanks to University Grants Commission (UGC), Indian Council of Medical Research (ICMR) and University of Delhi for DU-Innovation Projects. The college successfully completed nine DU-Innovation Projects sanctioned by University of Delhi (2013-15) which are as follows:

| S. No. | Project Code | Title of the Project | Principal Investigators (Departments) |
|--------|--------------|--|--|
| 1 | BCAS-201 | Low-cost electricity generation using Bio-Photovoltaic Technology – a Green Energy Initiative | Dr. Geeta Mongia, Electronics Dr. Inderbir Kaur, Electronics Dr. Ruchi Gulati Marwah, Microbiology |
| 2 | BCAS-202 | Agro Waste Material Management: From Waste to Wealth | Dr. S. K. Shukla, Polymer Science Dr. Anand Bharadvaja, Physics Dr. Rizwana, Food Technology |
| 3 | BCAS-203 | Public Awareness and Evaluation of Probiotics sold in Delhi | Dr. Shalini Sehgal, Food Technology Dr. Tejpal Dhewa, Microbiology Dr. Neha Bansal, Microbiology |
| 4 | BCAS-204 | Screening and Enrichment of Polymer degrading micro-organisms and their application in Environmental Engineering | Dr. Vijay Kumar Nalla, Microbiology Dr. Siddharth Sirohi, Polymer Science Dr. Krishna Dutt, Polymer Science |
| 5 | BCAS-205 | To prepare edible packaged low cost healthy snack from fruit and vegetable waste and its effect on healthy respondents | Dr. Meenakshi Garg, Food Technology Dr. Susmita Dey Sadhu, Polymer Science Dr. Shivani G. Varmani, Biomedical Science |
| 6 | BCAS-206 | Assessment of brominated flame retardants in mobile phones, their consumption pattern in North India and carbon footprints from electronic waste | Dr. Geeta Bhatt, Instrumentation Dr. Manoj Khanna, Electronics Dr. Balram Pani, Chemistry Dr. Renu Baweja, Biomedical Science |
| 7 | BCAS-207 | Understanding the Burden of Vitamin B12 and Folate Deficiency in Young Indians | Dr. Purnima Anand, Microbiology Ms. Arti Batra, Computer Science Dr. Parvinder Kaur, Biomedical Science |
| 8 | BCAS-208 | Lifestyle Interventions in Stress Management: A study among Delhi Youth | Dr. Madhulika Bajpai, Human Communication Dr. Eram S. Rao, Food Technology Dr. Ragini Jindal, Mathematics |
| 9 | BCAS-209 | Genetic curation of ataxia phenomes for establishment of predictive and rapid diagnostic paradigm | Dr. Uma Dhawan, Biomedical Science Mr. Bhavyadeep, Computer Science Dr. Pawas Goswami, Microbiology |

Academic Achievements

Out of the nine DU-Innovation Projects, our college received “**Certificate of Appreciation**” for five Innovation Projects at ‘Antardhwani’ Delhi University Cultural Festival which was held during February 20-22, 2015. These are as follows:

- (a) **Certificate of Appreciation for Best Display in the Theme Business Ideas** : DU Innovation Project BCAS 205 titled “To prepare edible packaged low cost healthy snack from fruit and vegetable waste and its effect on healthy respondents”. The team comprises of Principal Investigators : Dr. Meenakshi Garg, Department of Food Technology, Dr. Susmita Dey Sadhu, Department of Polymer Science and Mr. Shivani G. Varmani, Department of Biomedical Science.
- (b) **Certificate of Appreciation for Best Display in the Theme Scientific Arena** : DU Innovation Project BCAS 209 titled “Genetic curation of ataxia phenomes for establishment of predictive and rapid diagnostic paradigm”. The team comprises of Principal Investigators : Dr. Uma Dhawan, Department of Biomedical Science, Dr. Pawas Goswami, Department of Microbiology and Mr. Bhava Deep, Department of Computer Science.
- (c) **Certificate of Appreciation for Best Display in the Theme Health Concerns** : DU innovation project BCAS 206 titled “Assessment of brominated flame retardants in mobile phones, their consumption pattern in North India and carbon footprints from electronic waste”. The team comprises of Principal Investigators : Dr. Manoj Khanna, Department of Electronics, Dr. Geeta Bhatt, Department of Instrumentation, Dr. Balram Pani, Department of Chemistry and Dr. Renu Baweja, Department of Biomedical Science.
- (d) **Certificate of Appreciation for Best Display in the Theme Health Concerns** : DU innovation project BCAS 203 titled “Public Awareness and Evaluation of Probiotics sold in Delhi”. The team comprises of Principal Investigators: Dr. Shalini Sehgal, Department of Food Technology and Dr. Tejpal Dhewa, Department of Microbiology.
- (e) **Certificate for Best Innovative Idea**: DU innovation project BCAS 202 titled “Agro Waste Material Management: From Waste to Wealth”. The team comprises of Principal Investigators: Dr. S. K. Shukla, Department of Polymer Science, Dr. Anand Bharadvaja, Department of Physics and Dr. Rizwana, Department of Food Technology.

Some of the Publications / Proceedings out of DU Innovation Research Projects :

BCAS 202 :

- ‘Development of preparative protocol for nano-cellulose from rice husk and its biocompatibility’ accepted for ORAL PRESENTATION at Advanced Materials World Congress, to be held in Sweden on August 23-26, 2015.
- Poster presented at ‘International Conference and Exhibition, Smart Materials & Surfaces - SMS Bangkok 2014’ on August 26-28, 2014, Bangkok – Thailand
- “Extraction and characterization of nano size silica from agricultural waste” Proceedings of the 5th National Conference on Nanotechnology and Materials Science, (NATCON NAMTECH), University of Lucknow, held on December 21-23, 2013, page 38.
- “Preparation and characterization of biocomposite packaging material from Agro Waste”, at the ‘National Conference on Advanced Materials’, held on August 8-9, 2014 at Sharda University, Greater Noida

ANTARDHWANI and ‘GOOD PRACTICES’ for Colleges

Antardhwani literally means ‘the inner voice’ which is related with individual awakening. To enlighten the spirit of this three day multifaceted inter-college festival (organized by University of Delhi) students of different colleges participated in various events. Our students also participated in the events and won laurels for the college. The college also set up its stall at Antardhwani showcasing student intellect and activities through projects, models and informative materials. The major theme of our college stall was **Health and Environment**. Students displayed their creativity through ‘best out of waste’ concept, which was well appreciated in the festival. A University Team also evaluated the college stall for ‘good practices’ that were being followed in the college and also gave valuable suggestions.

GYANODAYA V

Glory of North East- “DHAROHAR”

Delhi University organizes an educational trip every year. For the year 2014-15, the trip, **GYANODAYA-V**, took students from various colleges to North East India. The college students were taken for an educational trip under the mentorship of **Dr. Bhavya Deep** and the project topic was **Indigenous herbs found in Manipur**. The tour included innovative idea of “**Classroom on wheels**”. The classes were held in the train wherein various project strategies were presented.

The visit included visit to spiritual places like Govindham temple and Isckon temple, where students were educated about the culture and history of Manipur. Project related visits were made to Loktak Lake, Manipur University and ISBD. Students were delighted to meet Mary Kom’s coach. This trip not only endowed the students with the knowledge about fieldwork but was also

an enriching experience for the students. The trip provided students a wonderful opportunity to explore the unexplored part of India.

STAR COLLEGE SCHEME

The Department of Biotechnology has launched Star College Scheme with an aim to strengthen life science and biotechnology education and training at undergraduate level. The purpose is to improve critical thinking and 'hands on' experimental work in the cutting edge-technologies needed for modern biological studies at undergraduate (college) level in life sciences and as a result of such experiences, more students will take up life science as a career.

DBT has identified colleges with ambition and potential for excellence and provide academic and physical infrastructure for achieving excellence in teaching and unique exposure of students to experimental science. The colleges that successfully implement the strategy will be considered as life science 'Star Colleges'.

This scheme started in our college in December 2010. The Expert Committee of Department of Biotechnology has recommended for further **continuation of Star College Grant support** at the existing level under the “Strengthening Component of the Star College Scheme”. Four Departments of our college are being benefitted under this scheme. These are follows:

Dr. Purnima Anand

Coordinator from December, 2013

| Name of the Department | Department Coordinator | Period of Department Coordinator |
|----------------------------------|-------------------------------|---|
| Department of Biochemistry | Dr. Anita Sondhi | Since 2010 till date |
| Department of Biomedical Science | Dr. Uma Chaudhry | Since 2010 till date |

| | | |
|--|--------------------|-------------------------------|
| Department of Food Technology | Dr. Rizwana | October 2014 till date |
| | Dr. Shalini Sehgal | Since 2010 to September 2014 |
| Department of Microbiology | Dr. Pawas Goswami | December 2013 till date |
| | Dr. Purnima Anand | Since 2010 till November 2013 |
| All the faculty of participating Departments are member of the scheme from December 2013 onwards till date | | |



In September 2013, Department of Food Technology was awarded

“Star Department Status”.



Under this scheme various instruments were purchased which enriched the lab facilities in the participating Departments. This was to fulfil the mandate of the scheme to allow students perform experiments individually and to have hands on training. Various activities such as in-house projects under the supervision of Department Teachers as mentors, new experiments, workshops, trainings, lectures, and seminars / symposia, industrial and institutional visits are organized under this scheme. These activities are conducted at inter and intra-departmental, inter college and inter- institutes levels. **The details of the activities are mentioned individually by participating departments.** Here, we present a brief overview of some of the activities carried out in the year 2014-2015.

- 1. Mentoring Committee Meeting** was held on February 3, 2015. Our mentors, Prof. U. C. Banerjee, National Institute of Pharmaceutical Education and Research, and Dr Aparna Dixit, Jawaharlal Nehru University, Dr S. C. Bhatla, University of Delhi and Dr Mukesh Kumar, Indian Council of Medical Research, visited our college and gave their valuable suggestions for further improvement of the scheme.
- 2. Attended Star College Scheme meeting at Gargi College** on April 7, 2014 Secretary, Department of Biotechnology (DBT), Dr. Vijay Raghavan addressed the Students, Faculty, Coordinators and the Principals of the Delhi Colleges supported under the Star College Scheme of DBT at Gargi College. The program was followed by an open house discussion. Coordinators, faculty members and students of the participating departments of our College

attended the program.

3. **First Laboratory Staff Skill Development Program LSSDP 2014** held during December 15-18, 2014 in order to train laboratory staff of the Life Sciences Departments of our college. Resource persons from college trained our Laboratory staff in various modules related to techniques, laboratory safety and personality development.
4. **Virtual Learning Environment Workshop – ‘Shaping, Teaching and Learning with VLE’** was held on September 6, 2014. The workshop organized in collaboration with the Institute of Informatics and Communications, University of Delhi, South Campus for the faculty members of our college. It was held at Institute of Informatics and Communications, University of Delhi, South Campus.

Other Inter-Departmental Activities

A seminar on “**Advancements in Packaging, Food and Social Impact**” was organized by the Department of Food Technology and Polymer Science on November 03, 2014. The main objective of the seminar was to highlight recent advances in packaging and regulatory issues. Speakers from industry and academic institutions were invited and about 150 delegates attended the seminar.

A workshop on “**Acute Myeloid Leukemia : molecular aspects**” was organized jointly by the Department of Biochemistry and Department of Biomedical Science in March, 2015 at our college. It was attended by twenty students of B. Sc. (Hons) Biomedical Science II year.

Departmental Activities and Faculty Achievements

Department of Biochemistry

The Department of Biochemistry organized “Training Modules” under the aegis of Star College Scheme, namely ‘First Laboratory Staff Skill Development Programme’ for the Laboratory Staff of Biological Sciences Departments of the college from December 15 to 18, 2014 and a Virtual Learning Environment (VLE) Workshop titled “Shaping, Teaching and Learning with VLE” on September 6, 2014.

The Department conducted a workshop series on “Protein Purification Methods” for the students of Biomedical Science in the month of September 2014 and another on “Spectrophotometry: A powerful tool for Quantitation” for the students of Microbiology during August 2014. Other workshops include “Advanced Purification Methods” for the students of B. Tech. (Food Technology) and “Acute Myeloid Leukemia : molecular aspects” for the students of B. Sc. (Biomedical Science) in March, 2015. A lecture on ‘General Awareness about leukemia - blood cancer’ by Ms. Sunita Jetly, Associate Professor, Acharya Narendra Dev College was organized on March 03, 2015.

Academic achievements of the Faculty

Dr. Anita Sondhi

- Participated in the training on RTI act - Capacity building for Public Information Officers (PIO), from November 11-12, 2014, conducted by Directorate of Training : Union territories Civil Services, Government of N.C.T of Delhi.
- Coordinated “Virtual Learning Environment Workshop -- Shaping, Teaching and Learning with VLE” in collaboration with the Institute of Informatics and Communications, University of Delhi, South Campus for the faculty members of the college, on September 6, 2014.
- Coordinated and Resource Person for the First Laboratory Staff Skill Development Program (LSSDP-2014) organized for the laboratory staff of the various Life Sciences Departments from December 15-18, 2014.
- Coordinated a workshop on “Acute Myeloid Leukemia : molecular aspects” in March, 2015 at BCAS, DU.

Department of Biology

Department of Biology has been nurtured with the hard work of its faculty members. Besides disseminating education, the faculty of the department is actively involved in research while

others are developing e-resources for different courses offered by the University. Students are imparted a thorough foundation to enable them to pursue a career in biological sciences. They are given the best guidance, constant monitoring, well equipped laboratories and abundant research facilities. This academic year Department organized a Workshop on 'Plant genomic DNA isolation and Agarose gel electrophoresis of isolated DNA sample' for Delhi Public School, Vidyutnagar, Dadri students on August 20, 2014. The basic mandate for the workshop was to acquaint the school students with various techniques of isolation of genomic DNA from soft plant tissue and the technique of agarose gel electrophoresis.

Academic achievements of the Faculty

Dr. Sujata Bhardwaj

- Coordinator and Resource person for the Workshop on 'Plant genomic DNA isolation and Agarose gel electrophoresis of isolated DNA sample' for Delhi Public School, Vidyutnagar, Dadri students which was organized August 20, 2014. The basic mandate for the workshop was to acquaint the school students with various techniques of isolation of genomic DNA from soft plant tissue and the technique of agarose gel electrophoresis.

Department of Biomedical Science

The Biomedical Science Society—"DNAmics" organized their Departmental Festival Genesis'15 on March 4, 2015, under the aegis of Star College Scheme of Department of Biotechnology, Government of India. The event was inaugurated by Prof. Vani Brahmachari from Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi and Prof. Pradeep Burma from Department of Genetics, University of Delhi, South Campus. The lectures delivered by them were informative and thought provoking. The students got an opportunity to interact and share their thoughts with these distinguished scientists. The post lunch sessions comprised of various student activities like quiz, rangoli and poster contests to widen the horizon of students with enhanced awareness of the world around them.

Department organized various workshops and other activities under the aegis of Star College Scheme which are as follows:

A workshop on "Molecular Modeling in Drug Discovery" was organized from July 16-18, 2014 at Bhaskaracharya College of Applied Sciences and CSIR headquarters. The workshop was inaugurated by Dr. S. Janardhan, Scientist, Centre for Molecular Modeling, CSIR-Indian Institute of Chemical Technology, Hyderabad. Students were exposed to latest molecular modeling tools. They were given assignments to work upon. Based on the results of the given assignments, students were exposed to write research articles. In continuation to the series, another workshop

entitled “Modern methods in drug design: Prospects and challenges” was organized on October 17, 2014 at college. Students were trained on designing novel lead generation strategies and basic cheminformatics and bioinformatics tools to be able to identify the potential inhibitors.

A three-day workshop on “Statistical Analysis of Biological Data” was organized from October 9-11, 2014. The primary aim of the workshop was to acquaint students with the basic statistical methods and tools used for analyzing biological data. The three days workshop included both lectures and hands-on-training sessions. Students were exposed to various concepts of basic biostatistics with hands-on-training on ‘R’, hypothesis testing and probability distributions. Dr. S. Ramachandran, Principal Scientist, CSIR-Institute of Genomics and Integrative Biology, Dr. Gagan Dhawan, Department of Biomedical Science, Acharya Narendra Dev College, University of Delhi, Dr. B. S. Singh, International Institute of Health Management Research, Dwarka, along with Dr Uma Dhawan of the Department of Biomedical Science of the college were the resource persons.

A two-day Workshop on the upcoming field of “Proteomics and Proteogenomics” was organized by the Department of Biomedical Science of the college on January 10 and 11, 2015. The students of the Department of Biomedical Science of the college and ANDC, DU actively participated in the workshop. The students were exposed to the field of proteogenomic wherein genome annotation was carried out using proteomics tools. Dr. Debasis Dash, Principal Scientist, CSIR-Institute of Genomics and Integrative Biology, Dr. Dharendra Kumar, Research fellow, CSIR-IGIB, Dr. Gagan Dhawan, Department of Biomedical Science, Acharya Narendra Dev College, University of Delhi, and Dr. Uma Dhawan of the Department of Biomedical Science of the college acquainted the students with both the basics of the field as well as the computational tools available for the proteogenomic analysis.

In order to broaden the horizon of their students, Department initiated Invited Lecture Series this year. Various scientists of repute were invited and they discussed their research work with the students. The students also got an opportunity to interact with them regarding pursuing a career in science and the possibility of getting involved in projects as a part of their summer training program. Eminent scientists Dr S Janardhan, Indian Institute of Chemical Technology, Hyderabad; Dr Manju Bala, Department of STD and AIDS, Safdarjung Hospital; Dr Aparna Dixit, All India Institute of Medical Sciences; Prof. Y Singh and Dr V. C.Kalia, CSIR-Institute of Genomics and Integrative Biology delivered talks on various topics of interest in the field of Biomedical Sciences.

Industrial Visits were organized to Yakult, Sonipat, (Haryana), Mushroom Cultivation Center, Murthal, (Haryana) and Superior Industries, (Brewery), Faridabad, (Haryana). These trips helped students observe microbiological processes such as fermentation and mushroom culture on industrial scale. They were able to appreciate the working of Effluent Treatment Plant also.

Another important initiative of Blood group determination camp was undertaken by the Department on September 11, 2014, in the college premises to determine the blood group of the students and staff of the college. Blood group of 90 individuals was analyzed and an initiative is being taken to prepare a database of blood groups of all the students and faculty.

Academic Achievements of the Faculty

Dr. Uma Chaudhry

- Golechha, M., Sarangal, V., Bhatia, J., Chaudhry, U., Saluja, D., Arya, D.S. (2014) [Naringin ameliorates pentylenetetrazol-induced seizures and associated oxidative stress, inflammation, and cognitive impairment in rats: possible mechanisms of neuroprotection.](#) *Epilepsy Behav.*; 41:98-102.
- Awarded with Summer Research Fellowship of 'Indian National Science Academy' (INSA) for two months from May 15, 2014 to July 14, 2014 to work on the project titled "Elucidating various inhibitors of glutamate racemase of *Mycobacterium tuberculosis*" under the supervision of Dr Madhu Chopra from Dr B R Ambedkar Center for Biomedical Reseach, University of Delhi.
- Coordinated "Virtual Learning Environment Workshop -- Shaping, Teaching and Learning with VLE" in collaboration with the Institute of Informatics and Communications, University of Delhi, South Campus for the faculty members of the college, on September 6, 2014.
- Coordinated and Resource Person for the First Laboratory Staff Skill Development Program (LSSDP-2014) organized for the laboratory staff of the various Life Sciences Departments at BCAS from December 15-18, 2014.
- Coordinated a workshop entitled "Molecular Modeling in Drug Discovery" in collaboration with CSIR-Open Source Drug Discovery group during July16-18, 2014 held in the college premises and CSIR headquarters.
- Coordinated a Training Program for college students on "Modern Methods in Drug Discovery" on October 17, 2014.
- Resource Person for the workshop on "Acute Myeloid Leukemia : molecular aspects" in March, 2015 at BCAS, DU.
- Attended a Bioinformatics Workshop on Genomics, Proteomics, Drug Design and High Performance Computing organized at Indian Institute of Technology, Delhi during October 6-15, 2015

Dr. Shivani G Varmani

- Varmani S, Arora H, Garg M, Sadhu S. (2014) Iron overload and chelation therapy in beta thalassemia major. *International journal of Pharmacy and Integrated life Sciences.* Vol 2(7): p 47-63.

- Varmani S, Mehta K, Garg M, Sadhu S. (2014) Diabetes mellitus in beta thalassemia major - pathogenesis and management strategies. International Journal of Food and Nutrition sciences. Vol 3 (3): p 127-131.
- Coordinated a workshop entitled “Molecular Modeling in Drug Discovery” in collaboration with CSIR-Open Source Drug Discovery group during July 16-18, 2014 held in the college premises and CSIR headquarters.
- Coordinated a Training Program for college students on “Modern Methods in Drug Discovery” on October 17, 2014.
- Attended a Bioinformatics Workshop on Genomics, Proteomics, Drug Design and High Performance Computing organized at Indian Institute of Technology, Delhi during October 6-15, 2015

Dr. Uma Dhawan

- Mentoring a semester-length project titled “Proteogenomic Analysis of a Bacterial Genome” for a M.Sc. (Bioinformatics) semester IV student of Jamia Millia Islamia, New Delhi, (February-May 2015).
- Invited as a resource person in a three day Instructional Workshop on "Gene Expressional Analysis: Hands-on using Microarray and Next Generation Sequencing Data" supported by National Network for Mathematical and Computational Biology (NNMCB) - Delhi Node, Science and Engineering Research Board, Government of India held from March 7-9, 2015.
- Invited as a Resource person in the workshop on Field trial of training package in Biology at Higher Secondary stage for reviewing and editing the training material developed for teachers teaching biology organized Department of Education in Science and Mathematics DESM, NCERT from February 02-10, 2015.
- Coordinated and resource person for a two-day workshop on “Proteomics and Proteogenomics” for undergraduate students at BCAS, University of Delhi sponsored by DBT Star College Scheme on January 9 and 10, 2015.
- Coordinated and resource person for a three-day workshop on “Statistical Analysis of Biological Data” for undergraduate students at BCAS, University of Delhi sponsored by DBT Star College Scheme from October 9-11, 2014.
- Presented two posters entitled “Understanding the Burden of Vitamin B12 and Folate Deficiency in Young Indians” and “Predicting the habitat of bacteria using machine learning approach” at a National Conference on “Understanding the Mechanism and Challenges of Complex Diseases” organized by Shaheed Rajguru College of Applied Sciences for Women, University of Delhi from December 29-30, 2014.
- Resource person in the workshop “Laboratory Staff Skill Development Program” organized by BCAS, University of Delhi sponsored by DBT Star College Scheme, December 15-18, 2014.

- Organized a seminar on “The Swachh Technologies: Microbial Factories” by Dr. V. C. Kalia, Chief Scientist, CSIR-IGIB, Delhi as a part of ‘Swachh Bharat Abhiyan Initiative’ at BCAS, University of Delhi sponsored by DBT Star College Scheme in the month of October, 2014.
- Organized a camp for blood group determination of the students and staff of the college sponsored by DBT Star College Scheme on September 11, 2014.

Dr. Parvinder Kaur

- Presented a poster entitled “Understanding the Burden of Vitamin B12 and Folate Deficiency in Young Indians” at a National Conference on “Understanding the Mechanism and Challenges of Complex Diseases” organized by Shaheed Rajguru College of Applied Sciences for Women, University of Delhi from December 29-30, 2014.
- Coordinated ‘Swachh Bharat Abhiyan Initiative’ in the college premises in the month of October, 2014.

Dr. Neha Singh

- Coordinated workshop on isolation of Plant Genomic DNA for School Children from Delhi Public School, Vidyutnagar, Dadri which was held at BCAS on August 19, 2014.
- Organized a lecture on “Developing ‘molecular’ or ‘cellular’ based protocol to define the extent of epileptogenic zone and elucidating the molecular basis of intractable epilepsy (IE)” by Dr Aparna Dixit, Assistant Professor, National Brain Research Center, Manesar on September 15, 2014.
- Co-ordinated three-day workshop on “Statistical Analysis of Biological Data” for undergraduate students at BCAS, University of Delhi sponsored by DBT Star College Scheme from October 9-11, 2014.
- Organized an Industrial visit to Superior Industries, Faridabad, Haryana on October 10, 2014 in collaboration with Department of Microbiology.
- Resource person in the workshop “Laboratory Staff Skill Development Program” organized by BCAS, University of Delhi sponsored by DBT Star College Scheme, December 15-18, 2014.
- Attended National Conference on “Understanding the Mechanism and Challenges of Complex Diseases” (UMCCD-2014) at Shaheed Rajguru College of Applied Sciences for Women during December 29-30, 2014.

Department of Computer Science

CS.Net, the Department of Computer Science Society organized its annual Technical Fest 'INTERFACE 2015' on March 25, 2015. The Fest was inaugurated by Dr. Manoj Khanna, our college Principal, Dr. Bhavya Deep, Convener of the CS Society and Mrs. Manu Kataria, Senior Faculty of the Department. The festival began with code wars (debugging and coding) followed by LAN Gaming. Many more interesting events were held like Minute to Win It, Smash It (Badminton), Quizonia and web-charades. The highlight of the function was the Scavenger Hunt wherein the coordinators passed riddles (using QR Codes) to the students in order for them to reach to their next destination, which immediately struck a chord with a whole lot of enthusiastic students.

The department also organized two technical talks entitled, namely, "Introduction to Android Technology" from DUCAT, Noida and "Linux Architecture" from CEPTA, Noida. The talks were extremely thought provoking and encouraging.

Several students of the department were placed in reputed companies like WIPRO, TCS, Infosys and other companies of repute. Many students have been selected for admission to higher studies in various universities.

Academic Achievements of the Faculty

Dr. Sangeeta Srivastava

- Srivastava, S. (2014) Model transformation Approach for a Goal Oriented Requirements Engineering based WebGRL to Design Models. International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307, Volume-3, Issue-6, pp66-75.
- Srivastava, S. (2014) A Systematic Approach towards Transformation of Presentation Web Goal Oriented Requirements Language to Presentation Design Model. International Journal of Scientific and Engineering Research - (ISSN 2229-5518). Volume 5, Issue 9, pp 7-17.

Mr. Bhavya Deep

- Resource person in the workshop "Laboratory Staff Skill Development Program" organized by BCAS, University of Delhi sponsored by DBT Star College Scheme, December 15-18, 2014.
- Coordinated and resource person for a three-day workshop on "Statistical Analysis of Biological Data" for undergraduate students at BCAS, University of Delhi sponsored by DBT Star College Scheme from October 9-11, 2014.
- Guided "Network based Quiz Management Software" which can be used to create customized quiz with facility of score generation at client's as well as centralized server.
- Member Faculty of Mathematical Sciences 2014 onwards for the second time.
- Participated and presented a paper entitled 'Cloud Providers – An Overview' in the 1st

International Conference on “Computing, Communication, Electrical, Electronics, Devices & Signal Processing” at Sri Sunflower College of Engineering and Technology, Lankapalli (Vijayawada), Andhra Pradesh, India which held from March 28-30, 2015.

- Mentor and college coordinator for Gyanodaya-V, an educational trip of University of Delhi towards North East in December 2014.

Mr. Arun Kumar Gautam

- Gautam A. K. (2014) "Key Frame Selection from Video Based on Weightsd Minkowski Distance" in the field of multimedia data mining published in International Journal of Advanced Computational Engineering and Networking in August, 2014.
- Gautam A. K. (2015) "Using Semi Supervised Self Learning for the Classification of Multimedia Data" is accepted in IEEE XPLORE International Conference on Computing, communication and Automation held on March 27, 2015.

Department of Electronics

The Department has its society named ‘SPARKS’ which organizes various activities like Workshops/ Conferences/ lectures/ Industrial visits/ Seminars/ Technical Fest, etc. every year under the guidance of eminent personalities from the academia and industries. To promote the holistic development of students, various activities have been organized in the current academic year.

A National Workshop on ‘Printed Circuit Board Designing’ was held during March 24-26, 2015. This enlightening workshop was organized to provide an opportunity to the academic fraternity and students to interact with industrial experts and develop comprehensive understanding on PCB design techniques & tools.

In order to showcase the technology, innovation and creativity, the Department organized an Intercollegiate Departmental technical fest ‘*TECHMANIA*’ on March 26, 2015.

A workshop on ROBOTICS in collaboration with CETPA Infotech Pvt. Ltd. was organized on November 5, 2014. Er. Sanjay Kumar Singh, Chief Technical Consultant of Embedded Systems and Open Source Technologies (CETPA) was invited as the Chief Guest for the occasion.

A lecture on ‘PCB Design and Future’ was delivered on November 5, 2014 by Mr. Anurag Gupta and Mr. Rajeev Tiwari, Directors, Tevatron Technologies Pvt. Ltd.

Academic Achievements of the Faculty

Dr. Geeta Mongia

- Coordinated a National Workshop entitled “Printed Circuit Board Designing” which was held in the college during March 24-26,2015and in collaboration with Tevatron Technologies Pvt. Ltd.
- Participated in a workshop on ‘ROBOTICS’ organized by CETPA Infotech Pvt. Ltd. which was held on November 5, 2014 at BCAS, Dwarka
- Participated in Faculty Development Programme on “SPSS and Research Methodology” held on June 5-6, 2014 at FORE School of Management, New Delhi.
- Presented a poster on “Bio-Photovoltaics (BPV) : Harnessing Green Energy for Future Technologies” in National Conference on ‘Nanotechnology and Renewable Energy (NCNRE-14)’ held during April 28-29, 2014 and organized by Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi
- Presented a paper titled “Bio- Electricity Production using Algae- A Brighter Road Ahead...” in National Conference on ‘Striving and thriving towards diffusion of student driven research in science and technology for Inspired Learning’ which was held at Maharaja Agrasen College, University of Delhi, during October 16-17, 2014.
- Attended a National Conference on “ Recent Trends in Instrumentation and Electronics (RTIE- 2015) held at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on January 05, 2015

Dr. Inderbir Kaur

- Coordinated a National Workshop entitled “Printed Circuit Board Designing” which was held in the college during March 24-26,2015and in collaboration with Tevatron Technologies Pvt. Ltd.
- Participated in a workshop on ‘ROBOTICS’ organized by CETPA Infotech Pvt. Ltd. which was held on November 5, 2014 at BCAS, Dwarka
- Participated in a Faculty Development Programme on ‘SPSS and Research Methodology’ held on June 5-6, 2014 at FORE School of Management, New Delhi.
- Presented a poster on “Bio-Photovoltaics (BPV) : Harnessing Green Energy for Future Technologies” in a National Conference on ‘Nanotechnology and Renewable Energy (NCNRE-14)’ held during April 28-29, 2014 and was organized by Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi
- Attended a National Conference on” Striving and thriving towards diffusion of student driven research in science and technology for Inspired Learning” held at Maharaja Agrasen College, University of Delhi, on October 16-17, 2014.

- Attended a National Conference on “ Recent Trends in Instrumentation and Electronics (RTIE-2015) held at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on January 5, 2015

Dr. Avneesh Mittal

- Successfully defended Ph.D. dissertation submitted to University of Delhi on the topic entitled “Genetic Algorithm based Adaptive Control Systems” under the supervision of Prof. Avinashi Kapoor (University of Delhi, South Campus) and Dr. T. K. Saxena (CSIR-NPL, New Delhi).
- Presented and coauthored six papers in a National Symposium on Instrumentation-39 (NSI-39) organized by Faculty of Engineering and Technology’ held at Gurukul Kangri University, Haridwar-249402, Uttarakhand during October 15-17, 2014.
- Attended a ‘Virtual Learning Environment Workshop’ which was held at Institute of Informatics, University of Delhi South Campus on September 6, 2014
- Contributed as Member in organizing a Workshop on Wireless Robotics in Department of Instrumentation during March 11-12, 2015
- Coordinated a National Workshop entitled “Printed Circuit Board Designing” which was held in the college during March 24-26, 2015 and in collaboration with Tevatron Technologies Pvt. Ltd.
- Participated in a workshop on ‘ROBOTICS’ organized by CETPA Infotech Pvt. Ltd. which was held on November 5, 2014 at BCAS, Dwarka

Ms. Shweta Gupta

- Coordinated a National Workshop entitled “Printed Circuit Board Designing” which was held in the college during March 24-26, 2015 and in collaboration with Tevatron Technologies Pvt. Ltd.
- Participated in an Orientation Programme organized by ‘Centre for Professional Development in Higher Education’, University of Delhi during November 10, 2014 to December 6, 2014.
- Attended a National Seminar on ‘Basic Electromagnetic Theory, RF/Microwave technologies and Applications held at Maharaja Agrasen College during March 10-11, 2015.
- Attended a workshop on ‘ROBOTICS’ held at Bhaskaracharya College of Applied Sciences on November 5, 2014.

Dr. Manoj K Tiwari

- Published various books as follows :

- (a) Electromagnetics (in English Language) Krishna Prakashan Media (P) Ltd., Meerut, 2014; ISBN-978-81-8283-321-0
- (b) Relativity and Statistical Physics (in English Language) Krishna Prakashan Media (P) Ltd., Meerut, 2014; ISBN-978-81-8283-540-5
- (c) Relativity and Statistical Physics (in Hindi Language) Krishna Prakashan Media (P) Ltd., Meerut, 2014; ISBN-978-81-8283-516-0
- (d) Solid State and Nuclear Physics (in English Language) Krishna Prakashan Media (P) Ltd., Meerut, 2014; ISBN-978-81-8283-541-2
- (e) Solid State and Nuclear Physics (in Hindi Language) Krishna Prakashan Media (P) Ltd., Meerut, 2014; ISBN-978-81-8283-541-2
- (f) Solid State Electronics (in English Language) Krishna Prakashan Media (P) Ltd., Meerut, 2014; ISBN-978-81-8283-542-9
- Attended two days National Seminar on Basic Electromagnetic Theory, RF/Microwave Technologies and Applications organized by Department of Electronics, Maharaja Agrasen College on March 10-11, 2015.
- Coordinated a National Workshop entitled "Printed Circuit Board Designing" which was held in the college during March 24-26, 2015 and in collaboration with Tevatron Technologies Pvt. Ltd.

Dr. Amit Kumar

- Participated and presented a paper entitled "Augmented Reality in Education" at National Conference on 'Striving and Thriving Towards Diffusion of Student-driven Research in Science and Technology for Inspired Learning' which was held at Maharaja Agrasen College, University of Delhi during October 16-17, 2014.
- Successfully Completed a three week special winter school (O.P.) organized by the UGC Academic Staff College, Jamia Millia Islamia, New Delhi which was held during December 17, 2014 to January 8, 2015.
- Attended a 'Virtual Learning Environment Workshop' which was held at Institute of Informatics, University of Delhi South Campus on September 6, 2014

Ms. Aarti Malyan

- Co-coordinated a National Workshop entitled "Printed Circuit Board Designing" which was held in the college during March 24-26, 2015 and in collaboration with Tevatron Technologies Pvt. Ltd.
- Attended a workshop on 'ROBOTICS' which was held at Bhaskaracharya College of Applied Sciences on November 5, 2014.

Dr. Jitender Kumar

- Singh, K. I., Kumar, J., Bhatnagar, C., Dixit, S. K., Bhatnagar, P. K., Mathur, P. C., Covas, J. A., Paiva, M. C. (2015) Enhancement In the performance of multi walled carbon nanotube: poly (methylmethacrylate) composite thin film ethanol sensors through appropriate nanotube functionalization. *Material Science in Semiconductor Processing*; 31, 166-174.
- Successfully Completed a three week special winter school (O.P.)organized by the UGC Academic Staff College, Jamia Millia Islamia, New Delhi which was held during December 17, 2014 to January 8, 2015.
- Co-coordinated a National Workshop entitled “Printed Circuit Board Designing” which was held in the college during March 24-26,2015 and in collaboration with Tevatron Technologies Pvt. Ltd.
- Participated in workshop on ‘Foundation Course trans-disciplinary training’ which was organized by CPDHE from May 7, 2014 to May 13, 2014.
- Participated in workshop on ROBOTICS organized by CETPA Infotech Pvt. Ltd. Held on November 05, 2014 at Bhaskaracharya College of Applied Sciences
- Attended a National Workshop on ‘Wireless Robotics’ which was held from March 11-12, 2015 at Bhaskaracharya College of Applied Sciences

Department of English

Academic Achievements of the Faculty

Ms. Tuhina Mukherjee

- Mukherjee, T. (2015) Feminist Cognizance in Diving into the Wreck: Poems 1971 – 1972. *International Journal of English Language, Literature and Humanities*; Volume III, Issue I, pp:558-578.
- Mukherjee, T. (2015) Contribution of Adrienne Rich to the Feminist Literary Movement. *International Journal of English Language, Literature and Humanities*; Volume III, Issue I, pp: 228-249.
- Mukherjee, T. (2015) Feminist Consciousness in Adrienne Rich’s Snapshots of a Daughter-in-law: Poems 1954 – 1962. *International Journal of English Language, Literature and Translation Studies*; Volume II, Issue I, pp: 211-224.
- Mukherjee, T. (2015) KORA: The Voice of an Activist and a Poet in Exile, Interpreting the Tibetan Diaspora. *International Journal of English Language, Literature and Humanities*. Volume II, Issue X, pp: 463-475.
- Participated in the workshop entitled ‘Use of Technologies in Teaching’ held during October 17-18, 2014 at Centre for Professional Development in Higher Education, University of Delhi.

Department of Food Technology

Department of Food Technology society AMBROSIA organized a Training workshop on ‘Texture Analyzer and its Applications in the Food Industry’ under the aegis of Star College Scheme on November 5, 2014 for the students of Department of Food Technology. Mr. Devesh Sharma, SDS Pvt. Ltd., was the resource person for the event.

Department of Food Technology organized a ‘Healthy Herbal Beverages’ program under the aegis of Star College Scheme on the occasion of “World Food Day” with great exuberance and also conducted an intercollegiate competition during the occasion. Student’s from five different colleges of University of Delhi prepared 35 innovative herbal beverages. All the beverages were prepared from natural sources like aloe-vera, herbs, extracts from vegetable and fruit, without any chemical additives. The event was judged by eminent experts from the public as well as private food processing sector namely, Mr. S. K. Mohanta, Senior Marketing Officer, Ministry of Food Processing Industries, GOI; Ms. Veena Sharma, Deputy Manager (Regulatory Affairs) GSK; Dr. Sujata Pandit, Head, Research & Development FRAC Laboratories, FICCI.

The Department in collaboration with Association of Food Scientist and Technologists (AFST) of India, Delhi chapter organized one day seminar on “Achieving the Make in India Challenge through Food Technology” on February 6, 2015. The seminar was graced by eminent speakers from the industry and academia and there themes were as follows: Mr. Vijay Sardana - “Fostering Innovation culture for successful Entrepreneurship”; Ms. Priyanka Sardana - “Creating value through Intellectual Property- Need of the hour” and Ms. Prabhjot Kaur- “Future prospects of budding Food Technologists”. The seminar was attended by faculty members and students of various Delhi University colleges such as Vivekananda, Lady Irwin College, and Institute of Home Economics as well as members of AFST and food processing industries.

An “Alumni Meet” was organized by the department of Food Technology on March 14, 2015. The occasion was marked by convergence of yester year’s students with the present ones, witnessing unfolding of nostalgic memories. Some of the intercollegiate events organized for the students were Food Quiz, Debate, Graffiti, and New Product Development etc.

Other activities of the Department under the aegis of Star College Scheme:

A seminar on “Industrial Analysis of Foods” was organized on August 13, 2014 by Dr. Sujata Pandit, Head (R&D) and Mr. Anand Gulati (Training & Development Manager), FICCI Research & Analysis Centre (FRAC). About hundred students attended the seminar.

Workshop on “Polymerase Chain Reaction PCR in Probiotic Research” was conducted on January 14, 2015. Fifty four students attended the workshop. Dr. Pawas Goswami (Department of Microbiology) was the resource person. Another workshop on “Scientific writing and e-resources in Food Technology” was conducted on January 19, 2015. Dr. Rajesh Singh, Deputy

Librarian, University of Delhi and Ms. Prabhjot Kaur, Research Associate IIT, Delhi gave a detailed presentation on the subject. The programme was attended by students of Food Technology along with library staff. Workshop on “Edible Packaging” was conducted on January 28, 2015. Thirty three students participated in this workshop.

Two more workshops, namely, “Working of Bomb Calorimeter” and “Working of Gas Chromatograph” were organized for the department students in the month of March. Both these workshops were well appreciated by the students.

Academic Achievements of the Faculty

Dr. Rizwana

- Nominated as an external subject expert in the interview panel for M.Tech. admission at NIFTEM Kundli, held on August 1, 2014.
- Delivered a lecture on Family Farming as a part of World Food Day Series organized by Amity Institute of Food Technology, Amity University, U.P on October 16, 2014
- Coordinated a training programme on “Scientific Writing and E-Resources in Food Technology” which was held on January 15, 2015 in the college.
- Coordinated and Resource Person for the First Laboratory Staff Skill Development Program (LSSDP-2014) organized for the laboratory staff of the various Life Sciences Departments from December 15-18, 2014.
- Organized a National seminar on “Advancements in Packaging, Food and Social Impact” which was held on November 3, 2014 at BCAS.
- Attended National Workshop on Package testing and Quality evaluation held on August 29, 2014 held at IIP, Delhi.
- Attended National workshop on Packaging of Fresh and Processed Foods organized by IIP on January 17, 2015.

Dr. Vandita Gupta

- Coordinated a Workshop on ‘Bomb Calorimeter’ for the students of BCAS under Star College Scheme on March 3, 2015.

Dr. Shalini Sehgal

- Sehgal, S., Dhewa, T., Bansal, N., Shashank, A., Sharma, N., Thakur, M., Himanshi, Anand, S., Mehta, S., Anil, Pal, R., Jha, A., Chandel, G. and Sarna, P. (2015) Evaluation of

Labeling Practices of Probiotic Products commercially available in Delhi Market, DU Journal of Undergraduate Research and Innovation (online), Volume 1, Issue No. 1.

- Sehgal, S. and Mehta, S. (2014) Identification of Microbial Hazards Associated with the Fresh Produce sold in South Delhi Markets and their Minimization, International Journal of Food and Nutritional Sciences Volume 3, Issue 1, 26-32.
- Sharma, P., Sehgal, S. and Raizada, P. (2014) Assessment of Hygiene and Sanitation at various Pre-schools of Delhi- a Food Safety Study, International Journal of Food and Nutritional Sciences Volume 3, Issue 1, 91-98.
- Sehgal, S. and Negi, A. (2014) Nanotechnology: Recent and Emerging Applications in Food Industry International Journal of Science and Research (IJSR), Volume 3 Issue 5, 995-1000.
- Sehgal, S. and Mehta, S. (2014) Use of Antimicrobial Dips for the reduction of surface microbial load of fresh fruits sold in South Delhi Markets, India. International Journal of Current Microbiology and Applied Sciences Volume 3, Issue 6, 12-138
- Sharma, P., Sehgal, S., Raizada, P. (2014) Microbiological Quality of Water Served at Various Pre-School of Delhi, Research and Reviews : Journal of Food Science and Technology, Vol 3, No. 3 : 31-36
- Coordinated “Virtual Learning Environment Workshop -- Shaping, Teaching and Learning with VLE” in collaboration with the Institute of Informatics and Communications, University of Delhi, South Campus for the faculty members of the college, on September 6, 2014.
- Resource Person for the First Laboratory Staff Skill Development Program (LSSDP-2014) organized for the laboratory staff of the various Life Sciences Departments from December 15-18, 2014.
- Participated and presented a poster entitled “Consumer Acceptance Of Probiotic Foods: An Indian Perspective” in the 2nd Annual PAi Conference and International Symposium on ‘Probiotics and Microbiome : Gut & Beyond’ held from on November 3-4, 2014 at New Delhi.
- Attended a ISWT Course on ‘Thermal Processing of Foods’ which was held at IIT Kharagpur from June 2-13, 2014.
- Attended Workshop on ‘Intellectual Property Rights and Patents’ on January 19, 2015 held at University of Delhi.

Dr. Eram S. Rao

- Published various books which are as follows:
 - (a) Rao. E. S (2014). Food Quality Testing and Evaluation: Sensory Tests and Instrumental Techniques. ISBN 978-93-81156-30-8. Variety Publishers, Delhi.
 - (b) Rao. E. S, (2015). Food Quality Analysis. ISBN 978-93-81156-37-7. Variety Publishers. Delhi

- (c) Rao, E., Bajpai, M., Jindal. R. (2015). *Desi Delights- A Traditional Treatise*. ISBN 978-81-930724-3-1 Yashasvi Enterprises Publishers, Delhi.
- (d) Bajpai, M., Rao, E., Jindal. R. (2015). *Stress work book for Youth*. ISBN 978-81-930724-2-4 Yashasvi Enterprises Publishers, Delhi.
- Papers and Abstracts published in Conference proceedings as follows :
 - (a) “Food Processing Sector in India: Current Scenario and Future Prospects” National seminar on “Food and Textile Industry- Emerging Trends and Perspectives” ISBN 978-81-7844-331-0. Lakshmibai College, Delhi University February 10, pg-41.
 - (b) “Nutraceuticals and Functional Foods- Emerging Trends and Perspectives” at Warner School of Food & Dairy Technology, Sam Higginbottom Institute of Agriculture, Technology & Sciences. Deemed to be Univ. Allahabad UP, February 25, pg 11.
 - (c) Abstract published in proceedings of Indo-Italian workshop on” Assimilation of Food Safety Culture in the Food Supply Chain: *Keeping pace with a rapidly developing Food Processing Industry in India*” at Amity Microbiological Institute of Technology, U.P. India on “Food Technology and Cold Chain Management” on November 26-27, 2014.
 - (d) Abstract published in National conference on Community Health and Nutrition (NCCHN-2015) held on March 8, 2015 on “Role of Indian Traditional Diet in Stress management: A study amongst Delhi Youth.”
 - Invited for a lecture on ‘Emerging “Hot Trends” in Food Processing and Product development: Thought for Food’ at Lady Irwin College on May 7, 2014.
 - Invited as an Expert by PSSV Central Institute of Vocational Education - NCERT- Ministry of HRD for a five day working group meeting and developed modular curriculum for the Hospitality sector for level 1-4 from July 7-11, 2014 in Bhopal, MP.
 - Coordinator for two workshops on “Estimation of Colour in Food” held on March 25, 2015 and another one on “Working of Gas chromatography” held on March 26, 2015
 - Presented a paper on “Food Security and Minimum Standards of Food during Disasters” at workshop jointly organized by National Institute of Disaster Management and Department of Community Medicine on ‘Environmental-Health Disasters – Risk Analysis & Planning’ held on September 24-25, 2014, at Maulana Azad Medical College, New Delhi
 - Reviewed manuscript for Journal of Ecology of Food and Nutrition entitled "Traditional knowledge and nutritive value of indigenous foods in the Oraon tribal community of Jharkhand: An exploratory cross-sectional study".
 - Presented a paper entitled “Assimilation of Food Safety Culture in the Food Supply Chain: Keeping pace with a rapidly developing Food Processing Industry in India” in an International Indo-Italian workshop on “Food Technology and Cold Chain Management” which was held at Amity Microbiological Institute of Technology, U.P. India on November 26-27, 2014.

- Presented a paper entitled “Food Processing Sector in India: Current Scenario and Future Prospects” in a National Seminar on ‘Food and Textile Industry Emerging Trends and Perspectives’ held at Lakshmibai College, University of Delhi on February 10, 2015
- Presented a paper entitled “Nutraceuticals and Functional Foods: Trends and Perspectives” in a National Seminar on ‘Need based modern trends in Nutraceutical Research’ which was held at SHIATS Allahabad, UP on February 25, 2015.
- Presented a paper entitled “Emerging Trends in Food Processing and Product Development” in a National Seminar on ‘Technology & Engineering Challenges in the development of Food Processing Industry in India’ which was held at Aahar on March 12, 2015.
- Participated in Master classes on “Advances and Best Practices in Cleaning, Hygiene, Sanitation, Sanitary Equipment Design and Pest management for Food industry.” and Master Classes on “Traceability, Recall and Withdrawal” at the 9th National Food Safety and Quality Summit on “Excellence in Food Safety and Quality for consumer safety and competitiveness” which was held during December 2-3, 2014.

Dr. Meenakshi Garg

- Principal Investigator of UGC Major project entitled “Effect of religious fasting on weight loss of overweight and obese Indian adults”
- Garg, M., and Varmani, S. (2014) Nutritional health status of North Indian adults. International Journal of Food and Nutrition Sciences. Vol 3 (3): p 118-12
- Papers and Abstracts published in Conference proceedings as follows :
 - (a) Sadhu, S.D., Raj, R., Garg, M., and Varmani, S. V. (2014) entitled “ Biopolymers: A solution to Environmental Hazard” in ICPAM International Conference in Patna, Bihar held during May 30-31, 2014
 - (b) Sadhu, S.D., Mallick, K., Garg, M., and Varmani, S. V. (2014) entitled “Atomic Force Microscopy for characterization of polymers” in ICPAM International Conference in Patna, Bihar held during May 30-31, 2014
- Papers presented in various conferences are as follows:
 - (a) Garg, M . “Nutritional Facts and Analysis of Cucumber Powder for the Preparation of Cucumber Flakes ” at The 5th Asian Oceano Conference on Green and Sustainable Chemistry at Indian Habitate Centre , New Delhi January 15-17, 2015.
 - (b) Garg, M. “ Nutritional Evaluation and Utilization of Peapod Powder for Preparation of Jaggery Biscuits” at xxiii Indian Convention of Food Scientists and Technologists: Fostering Innovative Research and Entrepreneurship for Indian Foods at NIFTEM Campus, Kundli, Haryana December 13-14, 2014.
 - (c) Garg M. Received best poster presentation award. “Assessment of nutrient intake and food consumption pattern of north Indian adults” at 4th international conference on ‘Updating food technology: A challenge towards public health nutrition’ held during May 7-8, 2014

- Coordinated a National Seminar on “Advancements in Packaging, Food and Social Impact” held at Bhaskaracharya College of Applied Sciences on November 3, 2014.
- Coordinated a workshop under the aegis of Star College Scheme titled “Edible Packaging” which was held on January 28, 2015 at Bhaskaracharya College of Applied Sciences
- Coordinated a workshop under the aegis of Star College Scheme on “Bomb calorimeter” which was held on March 3, 2015 at Bhaskaracharya College of Applied Sciences

Ms. Dipti Sharma

- Published an article titled "Food Technology as a career in India" in Radix International Journal of Research In Social Science, Volume 4, Issue 2 (February. 2015), ISSN: 2250 – 3994.
- Published a book titled "Textbook of Food and Nutrition for undergraduates" published by Astral Publishing House, ISBN 978-93-5124-339-7.
- Invited as an Expert for Scientific Discussion on Nutritional Requirement during Pregnancy and Infancy at Subharti University, Meerut in December 2014.
- Co-coordinated two workshops on “Estimation of Colour in Food” held on March 25, 2015 and another one on “Working of Gas chromatography” held on March 26, 2015
- Participated and presented a poster entitled “Effect Of Different Packaging On Colour Characteristics of Jaggery Enriched Cookies” in a National Seminar on ‘Advancements in Packaging, Food and Social Impact’ was organized on November 3, 2014 at Bhaskaracharya College of Applied Sciences, Dwarka, New Delhi.
- Resource person in the workshop “Laboratory Staff Skill Development Program” organized by BCAS, University of Delhi sponsored by DBT Star College Scheme, December 15-18, 2014.

Dr. Anil Kumar

- Upadhyay, N., Kumar, A., Rathod, G., Goyal, A., Ghai, D. L. (2014). Development of a method employing Reversed-Phase Thin Layer Chromatography for establishing milk fat purity with respect to adulteration with vegetable oils. International Journal of Dairy Technology; Accepted for publication 1471-0307, doi: 10.1111/1471-0307.12178.
- Upadhyay, N., Goyal, A., Kumar, A., Ghai, D. L., Singh, R. (2014). Preservation of milk and milk products for analytical purposes: A review. Food Reviews International, 30:203–224. DOI: 10.1080/87559129.2014.913292.
- Upadhyay, N., Kumar, A., Gandhi, K., Goyal, A., Ghai, D. L. (2014). Standardization of solvent fractionation technique for detection of adulteration of ghee by enriching animal body fat and vegetable oil in different fractions. Indian Journal of Dairy Science- Vol.- 67 (NO.4), 323-327.

Department of Human Communication

Academic Achievements of the Faculty

Dr. Madhulika Bajpai

- Nominated as a Member Psychologist, Delhi Subordinate Services Selection Board- Interview Board, June 2014 & March 2015.
- Evaluator for Poster Presentations in IAPP Conference, “Positive Psychology: The Ripple Effect” held during February 27, 2014 to March 01, 2015 at Manav Rachna International University, Faridabad.
- Resource person for a “Personality Development Program” conducted for ‘Laboratory Staff Skill Development Program’ under the aegis of Star College Scheme, held at Bhaskaracharya College of Applied Sciences, University of Delhi on December 17, 2014.
- Conducted a workshop on “Stress Management” for students of Masters in Business Administration, Apeejay School of Management, Dwarka, October 10, 2014.
- Author for the e-content development program for UGC e-pathshala project for Postgraduate Program in Psychology.
- Bajpai, M. (2014). “Stress, Coping & Life Style Interventions” in “The Psychological Realm”, ed. N. K. Chadha & Salma Seth. Pinnacle Publishers (2014) 615 - 672. ISBN: 978-8192-22844-0.
- Bajpai, M. (2015). “Forgiveness: A Self-Liberating Path towards Positive Living”. Paper presented and published in conference proceedings of the IAPP Conference, Positive Psychology: The Ripple Effect held during February 27, 2015 to March 01, 2015 at Manav Rachna International University, Faridabad.
- Participated and presented two papers in International Congress of Applied Psychology, Paris France.
 - (a) Bajpai, M., Chadha, N.K. (2014). “Psycho-Social Determinants of Marital Discord: An Indian Study”.
 - (b) Bajpai, M., Broota, A., (2014). “Traditional Indian Life Style Interventions: An Antidote for Occupational Stress”.
- Bajpai, M., Rao. E. S. & Jindal. R. (2015). “Stress Workbook for Youth: Your Personal Guide to Understanding and Managing Stress”. Yashasvi Enterprises (2015). ISBN: 978-81-930724-2-4.
- Rao. E. S., Bajpai, M., & Jindal. R. (2015). “Desi Delights: A Traditional Treatise”. Yashasvi Enterprises. ISBN: 978-81-930724-3-1.

- Rathore, A., Rao. E. S., Bajpai, M., & Jindal. R. (2014). “Dietary Interventions in Stress Management: A Study Among Delhi Youth” at a National Seminar on “Advancements on Packaging, Food and Social Impact” in Bhaskaracharya College of Applied Sciences, Dwarka, Delhi.
- Rao. E. S., Bajpai, M., & Jindal. R. (2015). “Role of India Traditional Foods in Stress Management: A Study Among Delhi Youth”. Accepted and published in conference proceedings in National conference on Community Health and Nutrition, Jalandhar, Punjab, India.

Department of Instrumentation

The motto of “**Sensors**”- The society of Instrumentation Department is holistic development of students. The society provides them with a platform to organize, manage and coordinate various activities along with learning, interacting with experts from the industry and other fellow students. It is with this endeavor that the society has been regularly organizing various seminars, workshops, talks by experts, field trips and festivals which apart from facilitating the learning process help the students in exploring and honing their creative, communication and problem solving skills

Department of Instrumentation organized a workshop on ‘Wireless Robotics’ in collaboration with Nanosemi Technology & Techienest Enterprises on March 11-12, 2015. It was an endeavor to make students learn latest technologies being used in industry nowadays. Participants were introduced to concepts of wireless radio transmission, H Bridge and DC motor driver ICs. They also learnt about the different sensors as well as various receivers and transmitters used in designing a Robot. The workshop included hands on session on design of Autonomous Obstacle Follower/Avoider Robot. Demonstration of Bluetooth Controlled Robot generated a lot of enthusiasm amongst the participants.

A skill enhancement workshop on ‘Embedded Sensors and their Interface with Microcontroller’ in collaboration with SIITA (Sriram Institute of Industrial Training and Applications) was also organized during the month of October 2014. The participants were introduced to the concept of microcontroller, sensors and their types, interfacing of PIC microcontroller with sensors. A session on fundamentals of PCB designing was also conducted

A lecture was organized by Dr. Amita Gupta, Scientist ‘G’, SSPL, DRDO on “Glimpses of MEMS Technology” on October 17,2014. Dr. Gupta acquainted our students with the latest advances in the field of MEMS and its applications in Instrumentation field.

Department organized various industrial and educational visits this academic year. Visit to ‘Aimil Ltd Instrumentation & Technologies’, a leading manufacturer of state of the art instruments in the field of Civil, Electronics, Analytical, Industrial, Healthcare was organized in November 2014. Students were exposed to the process dynamics, control, automation and data

acquisition techniques used in an industrial manufacturing unit. They got an insight into the working of various advanced instruments like Tri-Axial Soil Testing Equipment, Universal Testing Machine(UTM), Compression Testing Machine, 12Bit PCI Digitizer, Mastersizer, data logging systems etc. Another industrial visit to Shriram Institute for Industrial Research, an independent and self-sustaining multidisciplinary institute conducting R&D in the areas of special significance to industry, government agencies and other organizations was also organized. An educational visit to Shimadzu Analytical (India) Private Limited, a leading-edge in analytical and measuring instruments was organized in February 2015.

Department takes pride in announcing that their several final year students have appeared for and secured placements in companies like TCS, WIPRO, GENPACT, HCL etc.

Two of the department students Mr. Aakash Sharma and Ms. Prachi Chhatwal of B.Sc. (Hons) Instrumentation III year registered a patent (Patent Application Number- 1666/DEL/2014) on Method and Apparatus for Detection of Moisture in Wound Bed Using Near Field Communication

Academic Achievements of the Faculty

Dr. Geeta Bhatt

- Elected as a Member to Academic Council of University of Delhi for 2015-17.
- Received meritorious teacher's award 2013-14 from Department of Higher Education, Delhi Government.
- Organised "Wireless Robotics Workshop" held at Bhaskaracharya College of Applied Sciences on March 11-12, 2015 in the capacity of Convenor.
- Participated and presented a paper entitled "Awareness and sensitivity of mobile phone consumers on electronic waste in Delhi-NCR region" at a National Conference on 'Smart Cities: Challenges and Vision Ahead' which was held at India International, New Delhi and organized by Shaheed Bhagat Singh College, University of Delhi, on April 6, 2015.
- Presented three papers in a National Conference on 'Striving & Thriving towards Diffusion of Student-driven Research in Science and Technology for Inspired Learning' held at Maharaja Agrasen College, University of Delhi on October 16-17, 2014
 - (a) Prajapati, A., Parveen, Khwairakpam, N., Khanna, M., Pani, B., Baweja, R. (2014) Mobile Phones: Contributors towards global warming paper.
 - (b) Bhardwaj, V., Pandey, A., Singh, N. P., Shukla, J., Chutani, K., Bhatt, G. (2014) Scrutinizing Brominated Flame Retardants In Electronic Waste.
 - (c) Bhatt, G., *et. al.* (2014). "Scrutinizing Brominated Flame Retardants In Electronic Waste"

- Presented a paper entitled “Srivastava, A. (2015) Revolution of multi rotors science behind their actions” at the First National Conference on ‘Recent Trends in Instrumentation and Electronics’, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, held during January 5-6, 2015 :
- Attended a workshop on ‘3D Printing’ at Cluster Innovation Centre, University of Delhi, March 13-14, 2015
- Attended the 14th Foundation Training Program for Scientists and Technologist from November 17, 2014 to February 6, 2015 sponsored by Department of Science and Technology, Government of India.
- Attended three day training program on ‘Matlab Fundamentals’ from November 17-19, 2014 conducted by Mathworks at Delhi University Computer Centre.
- Attended Faculty Development Program on “Research Methodology and Data Analysis Techniques using SPSS” held at Bharti Vidyapeeth Institute of Management and Research, New Delhi during July 25-29, 2014

Ms. Gurkiran Kaur

- Contributed as Member in organizing a Workshop on Wireless Robotics in Department of Instrumentation during March 11-12, 2015.

Ms. Shweta Dua

- Dua, S., Sharma, R., Ojha, V.N. (2014) Step Height Comparison by Non Contact Optical Profiler, AFM and Stylus Methods. Asian Journal of Biochemical and Pharmaceutical Research; Issue 4(Vol.4): ISSN: 2231-2560,pp:241-246.
- Contributed as Member in organizing a Workshop on Wireless Robotics in Department of Instrumentation during March 11-12, 2015.

Dr. Anil Kumar

- Successfully defended Ph.D. dissertation submitted to University of Delhi on the topic entitled ‘Study of Surface Plasmon and Lossy Mode Resonances in Optical Waveguides and their Application’ under Supervision of Prof. Avinashi Kapoor (Dept. of Electronic Science, South Campus, University of Delhi) and Dr. V.K. Sharma (Keshav Mahavidyalaya, University of Delhi).

- Contributed as Co-Convener in organizing a workshop on Wireless Robotics in the Dept. of Instrumentation during March 11-12, 2015.

Mr. Pawan Kumar

- Kumar, P., Pani, B., Batra, H., Gupta, N. (2014) The Influence of Different Surfactants on the Dispersion Behavior of Single Wall Carbon Nanotube (SWNT), IJETS, Issue 2(Vol.5): ISSN: 0976-9293, pp:16-21.
- Contributed as a member in organizing a workshop on Wireless Robotics in the Dept. of Instrumentation during March 11-12, 2015.

Mr. Rakesh

- Contributed as a member in organizing a workshop on Wireless Robotics in the Dept. of Instrumentation during March 11-12, 2015.

Mr. Manoj

- Contributed as a member in organizing a workshop on Wireless Robotics in the Dept. of Instrumentation during March 11-12, 2015.

Ms. Shakti Sharma

- Sharma, S., Parthasarathy, H., Tayal, A. (2014) To Design Quantum Unitary Gate using Born Scattering, Journal of Basic and Applied Engineering Research (JBAER) Print ISSN: 2350-0077, Online ISSN: 2350-0255, Volume 1, Number 2, pp 98-100.
- Contributed as a member in organizing a workshop on Wireless Robotics in the Dept. of Instrumentation during March 11-12, 2015.

Mr. Anil Dutt

- Contributed as a member in organizing a workshop on Wireless Robotics in the Dept. of Instrumentation during March 11-12, 2015.

Department of Mathematics

Academic Achievements of the Faculty

Dr. Ragini Jindal

- Published various books which are as follows

- (a) 'Desi Delights' by Rao S. E., Bajpai M., Jindal R. (2015) Published by Yashasvi Enterprises, Delhi, India; ISBN 978-81-930724-3-1.
- (b) 'Stress Workbook for Youth' by Bajpai M., Rao S. E., Jindal R. (2015) Published by Yashasvi Enterprises, Delhi, India (2015), ISBN 978-81-930724-2-4.
- Rao S. E., Bajpai M., Jindal R., 'Role of India Traditional Foods in Stress Management: A Study amongst Delhi Youth'. Accepted and published in the conference proceedings in National conference on Community Health and Nutrition, 8 March, 2015, Jalandhar, Punjab, India
 - Attended a "Virtual Learning Environment Workshop -- Shaping, Teaching and Learning with VLE" held at South Campus, University of Delhi on September 6, 2014.

Department of Microbiology

"SUKSHMJEEV" the Department of Microbiology society organized various academic and co-curricular activities in the form conferences, seminars and lectures this academic year. With the aim of keeping the students up to date with the recent ongoing trends in the field of Microbiology, a symposium on the theme of biofuels titled "Biofuels : An Alternative and Non-Conventional Energy source for future" was held in February 2015. Prof. R. K. Saxena of UDSC delivered the key note lecture on "Butanol: A burning issue for second generation biofuels" in the symposium. Dr. Ashish Bhatnagar of Maharshi Dayanand Saraswati University delivered the lecture titled "Fuel from Filth", in which he stressed various strategies to harness algae as biofuel. Dr. Saurabh Saran of UDSC, talked about the use of oleaginous yeast for biofuel production. A poster competition was organized in which many students from and outside the college participated.

Invited lectures were organized in the month of September 2014. Dr. A. K. Prasad and Dr. Madhu Khanna of Vallabh Bhai Patel Chest Institute delivered their talks titled "Influenza: Why a Concern" and 'Propagation of Influenza virus by Chick Embryo and Cell lines' respectively. The lectures were followed by a workshop on 'Viral Cultivation Strategies" in which the students of II and III year participated. Students also learned the technique of chick embryo inoculation for growing viruses during the workshop.

A Workshop on 'Mushroom Cultivation" was conducted for B.Sc. (Hons) III year students at HAIC Agro Research and Development Centre, Murthal in order to provide a flavor and stimulus for entrepreneurship. To give students an idea about real life working conditions in industry or research in institutes, various visits were also conducted to Yakult Plant, Kundli; Superior Industries, Faridabad and Technology Based Incubator (TBI), UDSC. Students were exposed to various types of fermenters, sewage treatment plants, bottling and packaging units, HACCP plans etc., which supplements their theoretical knowledge and enhance understanding.

Apart from academic activities, the department organized its annual fest “Microquest”, which included fun activities like collage making, streak art etc. Students enjoyed the festival and participated with great enthusiasm. The girls basketball team of the department emerged as champions in intra-departmental competitions held at BCAS. The boys and girls teams stood 2nd in chess and volleyball respectively. Aditya Raj, Akansha Sharma, Damini and Neha won laurels in table tennis and badminton.

Academic Achievements of the Faculty

Dr. Vijay K. Nalla

- Nalla, V.K., Kamthan, M., Ruhela, D., Kamthan, A., Maiti, P., (2014) Characterization of a Putative Spindle Assembly Check point Kinase Mps1, Suggests It's Involvement in Cell Division, Morphogenesis and Oxidative Stress Tolerance in *Candida albicans*. PLoS ONE 9(7):e101517.doi:10.1371/journal.pone.0101517
- Attended a conference on "Proteomics" at Sri Venkateswara College on March 16, 2015
- Attended a “Virtual Learning Environment Workshop -- Shaping, Teaching and Learning with VLE” held at Institute of Informatics and Communications, University of Delhi, South Campus on September 6, 2014.

Dr. Purnima Anand

- Coordinated “Virtual Learning Environment Workshop -- Shaping, Teaching and Learning with VLE” -- in collaboration with the Institute of Informatics and Communications, University of Delhi, South Campus for the faculty members of the college, on September 6, 2014.
- Coordinated and Resource Person for the First Laboratory Staff Skill Development Program (LSSDP-2014) organized for the laboratory staff of the various Life Sciences Departments from December 15-18, 2014.
- Successfully Completed a three week special winter school (O.P.) organized by the UGC Academic Staff College, Jamia Millia Islamia, New Delhi which was held during December 17, 2014 to January 8, 2015.
- Presented a poster entitled “Understanding the Burden of Vitamin B12 and Folate Deficiency in Young Indians” at a National Conference on “Understanding the Mechanism and Challenges of Complex Diseases” organized by Shaheed Rajguru College of Applied Sciences for Women, University of Delhi from December 29-30, 2014.

Dr. Ruchi Gulati Marwah

- Coordinated the Symposium on "Biofuels : An Alternative and Non-Conventional Energy source for future", organized by Department of Microbiology on February 2, 2015 in the college.
- Coordinated a workshop on "Viral Cultivation Strategies" organized by Department of Microbiology on September 8, 2014 at BCAS.
- Resource Person for the First Laboratory Staff Skill Development Program (LSSDP-2014) organized for the laboratory staff of the various Life Sciences Departments from December 15-18, 2014.
- Oral presentation titled "Algae: Power Plants of future" at National Conference on 'Recent Trends in Future Instrumentation and Electronics' held at Shaheed Rajguru College of Applied Science, University of Delhi on January 5-6, 2015
- Presented a poster titled "Bio-photovoltaic (BPV): Harnessing green energy for future technologies" at 'National Conference on Nanotechnology and Renewable Energy-2014' at Jamia Millia Islamia on April 28-29, 2014
- Attended National Conference on Striving and Thriving towards Student Driven Research in Science and Technology for Inspired Learning at Maharaja Agrasen College, University of Delhi on October 16-17, 2014.

Dr. Pawas Goswami

- Sharma, P., Tomar, S.K., Goswami, P., Sangwan, V., Singh, R. (2014) Antibiotic resistance among commercially available probiotics. Food Research International. 57: 176-195
- Co-Principal Investigator in an extramural research project of ICMR entitled "Status of antibiotic resistance among commercially available probiotic bacteria".
- Coordinated "Virtual Learning Environment Workshop -- Shaping, Teaching and Learning with VLE" in collaboration with the Institute of Informatics and Communications, University of Delhi, South Campus for the faculty members of the college, on September 6, 2014.
- Coordinated and Resource Person for the First Laboratory Staff Skill Development Program (LSSDP-2014) organized for the laboratory staff of the various Life Sciences Departments from December 15-18, 2014.
- Coordinated the Symposium on "Biofuels : An Alternative and Non-Conventional Energy source for future", organized by Department of Microbiology on February 2, 2015 in the college.
- Resource Person for the workshop titled 'Polymerase Chain Reaction PCR in Probiotic Research' which was held at BCAS on January 14, 2014.
- Participated in a Conference on 'Processed Foods for Nutrition Security' which was held at Hotel Le Meridian on April 25, 2014

- Attended a Conference on ‘Advancements in Packaging Food and Social Impact’ which was held at Bhaskaracharya College of Applied Sciences, University of Delhi, on November 4, 2014.
- Attended a Conference on ‘Packaging of Fresh and Processed Foods’ held at Institute of Packaging on January 17, 2015.

Dr. Tejpal Dhewa

- Sehgal, S., Dhewa, T., Bansal, N., Shashank, A., Sharma, N., Thakur, M., Himanshi, Anand, S., Mehta, S., Anil, Pal, R., Jha, A., Chandel, G. and Sarna, P. (2015) Evaluation of Labeling Practices of Probiotic Products commercially available in Delhi Market, DU Journal of Undergraduate Research and Innovation (online), Volume 1, Issue No. 1.
- Puniya, A. K., Abdelfattah Z., Salem, M., Kumar, S., Dagar, S. S., Griffith, G. W., Puniya, M., Ravella, S. R., Kumar, N., Dhewa, T., Kumar, R. (2015) Role of live microbial feed supplements with reference to anaerobic fungi in ruminant productivity: A review, Journal of Integrative Agriculture, 14(3): 550–560.
- Kumar, S., Choudhury, P. K., Carro, M. D., Griffith, G. W., Dagar, S. S., Puniya, M., Calabro, S., Ravella, S. R., Dhewa, T., Upadhyay R. C. (2014), New aspects and strategies for methane mitigation from ruminants, Applied Microbiology and Biotechnology, Volume 98, Issue 1, pp 31-44.
- Resource Person at workshop on Modern Viral Diagnostic Techniques Organized by Department of Biotechnology, Sharda University, Greater Noida from March 20 -21, 2015.
- Resource Person for the First Laboratory Staff Skill Development Program (LSSDP-2014) organized for the laboratory staff of the various Life Sciences Departments at BCAS from December 15-18, 2014.
- Attended a “Virtual Learning Environment Workshop - Shaping, Teaching and Learning with VLE” held at Institute of Informatics and Communications, University of Delhi, South Campus on September 6, 2014.
- Attended a workshop on ‘Biology and Technology of edible Mushrooms’ held at Institute of Lifelong Learning University of Delhi, South Campus on February 18-19, 2014

Dr. Manpreet Kaur Rawal

- Rawal, M. K., Shokoohinia, Y., Chianese, G., Zolfaghari, B., Appendino, G., Tagliatalata-Scafati, O., Prasad, R., Di Pietro, A. (2014). “Jatrophanes from Euphorbia squamosa as Potent Inhibitors of Candida albicans Multidrug Transporters”. J Nat Prod. [Epub ahead of print]

- Prasad, R., Rawal, M. K. (2014). "Efflux Pump Proteins in Antifungal Resistance". *Front Pharmacol.* 29;5:202. doi: 10.3389/fphar.2014.00202. eCollection 2014. Review.
- Nim, S., Rawal, M. K., Prasad, R. (2014). "FK520 Interacts with the Discrete Intrahelical Amino Acids of Multidrug Transporter Cdr1 Protein and Acts as Antagonist to Selectively Chemosensitize Azole-Resistant Clinical Isolates of *Candida albicans*". *FEMS Yeast Res.* 14:624-32
- Nim, S., Rawal, M. K., Prasad, R. (2015). "Newly Identified Substrates of ABC Multidrug Transporter Cdr1 of *Candida albicans* Show Interaction with Transmembrane Helix 12 of the Protein". Abstract published in 13th Annual Research Festival, Biosparks, JNU, New Delhi.
- Nim, S., Rawal, M. K., Prasad, R. (2015). "FK520 Acts as an Antagonist of Multidrug Transporter Cdr1 Protein and Interacts with the Discrete Intra-Helical Amino Acids to Selectively Chemosensitize Azole Resistant Clinical Isolates of *Candida albicans*". Abstract published in 13th Annual Research Festival, Biosparks, JNU, New Delhi.
- Nim, S., Rawal, M. K., Prasad, R. (2014). "FK520 is a Competitive Inhibitor of ABC Transporters Which Interacts with Discrete Amino Acid Residues in the Drug Binding Pocket of Cdr1 Protein and Chemosensitize Yeast Cells by Calcineurin Independent Pathway". Abstract published in 12th ASM Conference on Candida and Candidiasis, New Orleans, Louisiana, United States.
- Maurya, I. K., Thota, C. K., Verma, S. D., Sharma, J., Rawal, M. K., Ravikumar, B., Sen, S., Chauhan, N., Lynn, A. M., Chauhan, V. S., Prasad, R. (2014). "Peptide Mimics as Specific Inhibitors of Cdr1p". Abstract published in 20 years of Cdr1 Research, JNU, New Delhi, India
- Rawal, M. K., Khan, M. F., Kapoor, K., Goyal, N., Sen, S., Saxena, A. K., Lynn, A. M., Tyndall, J. D., Monk, B. C., Cannon, R. D., Komath, S. S., Prasad, R. (2014). "Mutational Analysis of Transmembrane Domains of Cdr1p, a Multidrug Transporter of *Candida albicans* Reveals Novel Insights into Drug Binding and Transport". Paper presented in international conference 20 years of Cdr1 Research, New Delhi, India
- Invited as a participant in the Third Summit of South Asian Science Academies and AASSA General Assembly, which was during October 14-17, 2014, New Delhi.
- Organizing team member in symposium on "Biofuels: An Alternative and Non-Conventional Energy source for future", organized by the Department of Microbiology on February 2, 2015 at BCAS, DU.

Department of Physics

Some of our B.Sc (H) students have secured top AIR ranks in JAM (Joint Examination to M.Sc), IISER, CDS. Shubham Mallick Thakur, a student of B.Sc (H) first year, has secured AIR-17

under Kishore Vaigyanik Protsahan Yojna (2014). He will be receiving, under this scheme, a scholarship till he completes his master degree.

Academic Achievements of the Faculty

Dr Anand Bharadvaja

- Bharadvaja, A., Kaur, Baluja, K. L. (2015) Electron-impact cross sections of SiH₂ using the R-matrix method at low energy. Phys. Rev. A 91, 032701.

Dr. Vandana Batra

- Attended a “Virtual Learning Environment Workshop -- Shaping, Teaching and Learning with VLE” held at Institute of Informatics and Communications, University of Delhi, South Campus on September 6, 2014.
- Attended an International conference on ‘Swift Heavy Ions in Materials Engineering and Characterization (SHIMEC 2014)’ held during October 14-17, 2014 at NIPGR/IUAC, New Delhi.
- Attended an online eight week Certification course on ‘Introduction to Thermodynamics: Transferring energy from Here to There’ from University of Michigan and got distinction on January 4, 2015.

Department of Polymer Science

Department of Polymer Science and Department of Food Technology jointly organized one day National Conference on ‘Advancements in Packaging, Food and Social Impact’ on November 3, 2014 at Bhaskaracharya College of Applied Sciences. Students of the Department attended a ‘PU Tech 2014’ a 4th Polyurethane Exhibition and Conference India on March 12-14, 2014 held at India Expo Center, Greater Noida. The Exhibition and Conference was being organized by Indian Polyurethane association. Polymer Science students also visited ‘8th Rubber Expo’ on January 15-17, 2015 held at Pragati Maidan, New Delhi. The Exhibition and Conference was organized by Indian Rubber association.

At least eight students of the Department were selected in Parag Pentachem and Primer Polyfilm during a campus placement that was held on March 26, 2015 and April 6, 2015 respectively in the college premises.

Academic Achievements of the Faculty

Dr. Susmita Dey Sadhu

- Sadhu, S. D., Soni, A., Varmani S. G., Garg, M. (2014) Preparation of starch- polyvinyl Alcohol (PVA) Blend Using Potato and study of Its Mechanical Properties. International Journal of Pharmaceutical Invention; Volume 3, Page 33-37.
- Sadhu, S. D., Soni, A., Varmani S. G., Garg, M. (2014) Review: Polymers In Energy Harvesting; International Journal of Engineering Science Invention; Volume 3; Issue 4; page 01-05.
- Garg, M., Sharma, S., Varmani, S., Sadhu, S. (2014) Drying kinetics of thin layer pea pods using tray drying. International Journal of Food and Nutrition Sciences. Volume 3 (3): p 61-66.
- Varmani, S. V., Panda, H., Sadhu, S., Garg, M. (2014) Beta Thalassemia major and osteoporosis: etiology, pathogenesis, diagnosis and management. International journal of Pharmacy and Integrated life Sciences. Volume 2(7): p 64-78.
- Varmani, S., Arora, H., Garg, M., Sadhu, S. (2014). Iron overload and chelation therapy in beta thalassemia major. International journal of Pharmacy and Integrated life Sciences. Volume 2(7): p 47-63.
- Varmani, S., Mehta, K., Garg, M., Sadhu, S. (2014) Diabetes mellitus in beta thalassemia major- pathogenesis and management strategies. International Journal of Food and Nutrition Sciences; Volume 3 (3): p 127-131.
- Coordinated a National Seminar on “Advancements in Packaging, Food and Social Impact” held at Bhaskaracharya College of Applied Sciences, on November 3, 2014.
- Resource person for the Workshop on “Edible Packaging” held on January 28, 2015 organized by Department Food Technology at Bhaskaracharya College of Applied Sciences.

Dr. Sidharth Sirohi

- Sirohi, S., Singh, D., Nain, R., Parida, D., Agrawal, A. K., Jassal, M. Electrospun Composite Nanofibres of PVA Loaded with Nano encapsulated n-Octadecane, RSC advances (accepted for publication).

Dr. Krishna Dutt

- Dutt, K., Soni, R.K. (2014) Synthesis and characterization of bis-amino ethyl terephthalamide from PET waste and its applications as hardener in DGEBA. International Journal of Plastic Tech, DOI 10.1007/s12588-014-9071-2

- Dutt, K., Verma, A., Soni, R.K. (2014) Antifungal studies of terephthalicdihydrazide (TPD) generated from PET waste. *International Journal of Applied Science*, Volume 22 pp 22-30.
- Dutt, K., Verma, A., Soni, R.K. (2015) Curing kinetic studies of N, N- Dimethyl terephthalamide and terephthalicdihydrazide with Di-Glycidial ether of Bisphenol-A from PET waste. *International Journal of Advanced Engineering Applications*, Volume 3(2)15-21.

Dr. Mukesh Kumar

- Kumar, M., Kannan, T. (2014) Dimethylaminoethyl Methacrylate Functionalized Montmorillonite for the Preparation of Polymer-montmorillonitenano composites through iniferter-based controlled radical polymerization of methylmethacrylate and styrene. *Polymer-Plastics Technology and Engineering*: 53:6, 604-612.
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Library

Library has a collection of 23120 volumes. Apart from the regular subscription to some journals, the library, this year, has renewed its subscription to N-LIST (National Library and Information Services Infrastructure for Scholarly Contents) programme of INFLIBNET. This has provided the facility to access a large number of e-resources to the students and staff through out the year 24X7.

Library circulation (number of issue and return of books) reached the figure of 38398 during the period from July 2014 to March 2015. The Library collected Rs. 80503 during the period from April 2014 to March 2015 as overdue charges. The amount was deposited in the accounts department.

Library organized an Orientation Programme for all the students of first year. It also guided the students, batches, for using of N-List e-Resources. The Library blog is being updated time to time. Ever since the start of the blog, 22240 page views (as on 31 March 2015, 1910 hrs.) have been recorded from various parts of the globe. The Library imparted training to the 5 students of C Lib Sci and Diploma in Lib & Inf Technology of Delhi Library Association.

Academic Achievements of the Faculty

Dr. Ranjeet Thakur

- Conferred 'DISTINGUISH FACULTY AWARD' on the occasion of Diamond Jubilee celebrations of Delhi Library Association (DLA) on March 10, 2015.
- Invited as a Resource Person to deliver lectures entitled 'Developing Library Portal : A Case Study' and 'Awareness about Web-based Classification and Cataloguing for School Libraries' for the Government School Librarians on August 22, 2014 at DIET Keshavpuram.
- Event Coordinator for "Scientific Writing and e-Resources in Food Technology" – A Training Course Provided Under the aegis of Star College Scheme, Department of Biotechnology held at Bhaskaracharya College of Applied Sciences on January 19, 2015.
- Imparted Library Training to five students of Certificate in Library Science, Diploma in Library and Information Technology of Delhi Library Association and M Lib & Inf. Science
- Supervised a student of M.LISc. (IGNOU) in his research projects as "Evaluation of eBooks under N List Programme for Undergraduate Students"

ECA Committee

(Convener : Dr. Vandana Batra)

Extra Curricular Activities (ECA) are aimed to develop skill, talent, discipline, responsibility, ethics, sportsmanship and social awareness amongst students. In this academic year, the ECA committee along with various clubs of our college organized Independence Day Function, Flash Mob and a program to honor our Country's Martyrs titled 'Remembering Our Heroes'. "Songs of India"- an Inter-College Choir Competition was also organized in collaboration with 'The Culture Council' of University of Delhi in the college premises on January 30, 2015.

The Annual Inter-College Cultural Festival, "SRIJAN 2015" was celebrated on February 27-28, 2015 with great zeal and enthusiasm. The two day festival had a plethora of exciting cultural events which included musical events, band performances, dance competitions, instrumental activities, quiz, treasure hunt etc. The theme of SRIJAN 2015 was "Celebrating Womanhood" to sensitize our young generation towards the problems and challenges faced by women in each sphere of life.

Dance Club

(Convener : Dr. Neha Singh)

The Dance Club of the college - Xquisite, had an eventful year owing to the training received from renowned choreographer Mr Mohd Aslam Khan. The dance club members performed during Independence Day celebrations in the college. They also performed in different colleges of University of Delhi such as Institute of Home Economics, Delhi College of Arts and Commerce, Kalindi College, Mata Sundari College, PGDAV College and Bhartiya Vidyapeeth (IP University). Members of the club as a team participated in the college Annual Festival – SRIJAN-2015 and secured third position. The club aspires to establish itself as an excellent team in the group dance and choreography categories.

Eco-Club

(Convener : Dr. Parvinder Kaur)

In the current academic year "Pranahi – the Eco-Club" was involved in several activities to promote the motto "Go Green before the Green Goes". On September 5, 2014, a Plantation Drive was conducted in the college campus. Plant saplings of Ashoka, curry leaves and Sheesham were planted in the college by our Principal, faculty and students, as a part of this drive. Slogan writing and poster making competitions were also organized on the occasion. The first prize was won by Ms Stabonia of B.Sc. (Hons) Biomedical Science (IInd Year) in the slogan writing competition.

Members of eco-club actively participated in "Swachh Bharat Abhiyan" which was initiated on the occasion of Gandhi Jayanti on October 2, 2014. The members of the club spruced up the

campus and pledged to keep college and its surrounding clean. 'Good Governance Day' was observed in the college on December 22, 2014. Several students participated in the event.

Eco-club sponsored a collage making competition during the symposium on "Biofuels: An Alternative and non-conventional energy source for future" which was organized by Department of Microbiology "Microquest" on February 3, 2015. The club also organized a lecture by Dr Satish Chandra Garkoti (Associate Professor) from School of Environmental Science, Jawaharlal Nehru University.

Dramatics and Fine Arts Club

(Convener : Ms. Tuhina Mukherjee)

(Coconvener : Ms. Aarti Malyan)

Various outstanding performances were showcased by the Dramatic club of the college "Darpan", throughout the academic year 2014- 2015. Students received second prize at Greater Noida Institute of Technology for their outstanding performance in the street play titled 'Jaroorat to hai'. The play focused on the importance of sex education in India. The club also ventured into stage play and won another second prize at Amity University. The audience appreciated the theme of the play, presenting the importance of moral values for an individual, society and country. The students also performed for an NGO to uphold a social cause. The same was also performed in the college which was admired and applauded by one and all.

To explore the realms of imagination and creativity of the students, 'Aakriti', the Fine Arts Club organized a poster making competition in this academic year on the occasion of Independence Day Celebrations. On the spot sketching competition was also organized on the occasion of Gandhi Jayanti. The club has been very active and punctual in raising its voice on various social and scientific issues like women empowerment, fossil fuels, global warming & bhartiya by displaying their art works on the college board. Members of fine arts club have been working on various traditional art forms like madhubani, warli art etc. The students have initiated an 'Abstract Art' on the recycled paper developed in our college.

Music Club

(Dr. Deepti Sharma)

The Music club of our college has two groups namely, "MOKSHA", the Choir group and "DHRITI", the Rock Band. DHRITI participated in "Rendezvous", the cultural festival of IIT Delhi and "VFEST" at Ansal University, Gurgaon. MOKSHA took part in Rendezvous, "Vande Mataram", a Delhi University Cultural Council Event at Deen Dayal Upadhyaya College and secured second position in 'Songs of India' Competition organized by Delhi University Cultural Council, held in our college.

Both the groups, DHRITI and MOKSHA participated in 'Antardhvani-2015', the Annual Cultural Festival of University of Delhi and won accolades. DHRITI secured Third position in

the Rock Band competition while MOKSHA won Second Prize in the Choir Singing competition of the same. Members of the club participated in Vocal Solo event and secured First position (Manav Doshi). DHRITI also mesmerized with their performance in “SRIJAN 2015” and members of the Club secured winning positions in the Vocal and Instrumental solo and also the Duet singing event. The Music Club aims to continue their victorious run and is looking forward to more events in this session and in the future.

Debate and Quiz club

(Convener: Dr. Tejpal Dhewa)

The debate club provides a forum to the students to enhance their analytical and oratory skills. The club organized an Inter-college debate and quiz competitions October 31, 2014. The title of the debate was Contribution of Sardar Patel to National Unity, Safety and Security. Mr. Ashu Bidhuri of B.Sc. (Hons) Electronics secured the first position. On December 22, 2014 Good Governance Day was also celebrated in collaboration with the college Eco-club. An invited lecture by Dr. Shriram Oberoi was organized on the occasion, who enlightened the audience with an insight into the concept of governance. He also stressed upon importance of good governance in our daily lives. An oratory competition was also organized for students of the college to present their views on topic “*Use of Technology and Innovation in Promoting Good Governance*”. Students expressed their views on use of the latest technology to change the organization and execution plans of Government and Governing Bodies. Discussions on women empowerment, growth of economically weaker section and providing education and internet facility to rural areas of our country, took place.

Film Club

(Convener: Mr. Rakesh)

BCAS Film Club was established with a hope to bring different cinema lovers together and work passionately. It offers plethora of opportunities. The film entitled JAMNAGAR was selected for the screening in the DELHI INTERNATIONAL FILM FESTIVAL 2013. A team of 10 members of the club participated in a 50 HOURS FILM PROJECT organized by the INDIAN FILM PROJECT where around 1700 films were contesting. The opportunity was warmly welcomed and the work was completed within the given time limits. The film fest PIXEL’15, was organized by the club which included a short film making competition and various other competitions like Weirdest Selfie, Poster Making and Movismo (Bollywood quiz). There was a special screening “THE UNKNOWN” by the WICKED ARTS company founded by 2 of our ex members and their partners. PIXEL’15 was not only a successful attempt but also brought recognition to our club.

Yoga Club

(Convener : Ms. Shweta Gupta)

Yoga is an ancient science which deals with the evolution of humanity that includes all aspects from physical health to self realization. To enhance awareness about the efficacy of Yoga in healthy lifestyle, Yoga Club of the college invited eminent yoga experts from Bhartiya Yog

Sansthan and organized a lecture on 'Yoga for Stress Management' delivered by Sh. Desraj Gupta, General Secretary, Bhartiya Yog Sansthan on February 18, 2015. Besides this, the Yoga Club organized Quiz Competition on February 25, 2015 and an Intercollegiate Yoga Competition during the Annual College Cultural festival 'SRIJAN'2015.

Astronomy Club

(Convener : Mr. Pawan Kumar)

The club organized an Innovation Discussion Forum to generate innovative ideas, innovative projects and pros and cons of topics of general interest were also discussed. The said event was organized on September 3, 2014. A Video Session based on astronomy was conducted on September 17, 2014.

Sports

(Convener : Dr. Pawas Goswami)

Students of the college also participated in several sports events conducted by University of Delhi and other organizations. Surender Singh Pal of B. Tech. (2nd Year) Food Technology secured 3rd position in 20 km walk in the Inter college Athletic Meet held at Delhi University Ground. Annual sports meet was organized on 13.3.2015 at college in which the students participated with zeal and enthusiasm. College staff cricket team participated in Archarya Narender Dev College 20-20 Cricket Tournament and reached up to semifinal level. For developing infrastructure a rowing machine, and many other gym equipments were added to the collection of exercise machines available at the college gym.

Women Development Cell Gender Sensitization Committee

**(Convener: Dr. Anita Sondhi)
(Convener : Dr. Purnima Anand)**

Our college is actively involved in maintaining discipline and decorum to ensure a secure environment for female students and staffers. To sensitize students with respect to rights and privileges of women and to create awareness on the issue, Women Development Cell and Gender Sensitization Committee organized an Essay writing Competition and Slogan Writing Competition on the topic "Gender Issues: Sensitization and Solutions" in March, 2015 for which a very enthusiastic response was received. In the essay writing competition, Ms. Aruna Kumari of B.Tech (Food- technology) received the first prize, Mr. Varun Semwal of B. Sc. (Instrumentation) received the second prize and Mr. Rahul Kumar Suraj of B. Tech (Food-Technology) received the third prize. For the slogan writing competition Mr. Arun Kumar Gupta of B.Sc (Food Technology) received the first prize, Ms. Bhawna Chugh of B.Tech (Food Technology) received the second and Ms. Aditi Rungta of B.Tech (Food Technology) received the third prize.

Career Counseling and Placement Cell (Convener : Dr. Rizwana and Mr. Vikas Tyagi)

A lecture on “Effective communication” was conducted in the college premises on September 29, 2014 by Dr.Jyoti Doval, Marketing and Business communication, Apeejay School of Management, Dwarka for all final year students. Students of our college also attended a “Workshop on Business Plan” held at Apeejay School of Management, Dwarka on October 14, 2014. The students were enriched with lectures on financial and legal aspects of Business Plans. Three teams from the college participated in the event. In the Intercollege competition which was organized in the above workshop and attended by various teams from across Delhi, our students Rahul Pandey, Raghuvendra, Bhupender Singh secured 2nd prize for the Best Business Proposal on “SATIETY EXPRESS” and 3rd prize on DAIRY FARMING” (Vineet, Prashanth Kumar Dubey, Varun Kumar Rajak). Students also participated in the workshop on “How to crack a case” held on February 12, 2015 at Apeejay School of Management., Dwarka.

Campus placement interviews for Polymer Science students were held by Parag Pentachem on March 26, 2015 and Primer Polyfilm on April 6, 2015. In all eight students have been selected in these two Organizations.