

19th Annual Day
9th March 2016
Principal's Report

“Education is the most important weapon which you can use to change world...”

....Nelson Mandela

The whole purpose of education is to mould mud into fine piece of perfection. With the quote of Nelson Mandela, I take an 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 honor to have you all amidst us to be part of 19th Annual Day Celebrations of the college, the day where we shall share with you our achievements and glories.

On behalf of Bhaskaracharya family, I welcome our Chief Guest Dr. Mukesh Kumar, Director, Indo French Centre for promotion of Advance Research . We are honoured to have with us our Guest of Honour Dr. (Mrs.) Suman Govil, Advisor-Dept. of Biotechnology, Government of India. We have Chairman of our Governing Body Air Vice Marshal, (Retd). Rakesh Yadav, AVSM presiding over this function, I also feel delighted in welcoming, Mr. Krishan Kumar Yadav, treasurer of our Governing Body of the College in this programme. 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 Bhaskaracharya of 12th Century. Presently our college offers eight science courses namely Bachelor of Honors' in Computer Science, Electronics, Instrumentation, Food Technology, Polymer Science, Biomedical Science, Physics and Microbiology. We are also planning to start three new courses in Chemistry, Botany and Zoology from academic session 2016-17. At present our college has more than 1000 student's strength.

Each academic year lays down the foundation for new ideas and insights into the scope for improvement in the future. I take this opportunity to highlight some of the salient features of academic and co-curricular achievements for the academic session 2015-16: I congratulate Dr. Shalini Sehgal, Associate Professor in the Department of Food Technology, who has been appointed as the Vice Principal of the College.

Excellence is an art won by training and habituation. We do not act rightly because we have virtue or excellence, but we rather have those because we have acted rightly. We are what we repeatedly do. Excellence, then, is not an act but a habit.

-Aristotle

On the Special day, I am extremely happy to welcome Dr. Aastha Deswal from the Food Technology Department (batch 2004-2007) for being selected as the distinguished Alumnus for the Year 2015-16.

This year, Best student (female) award of the college goes to Ms. Stabonia Maji and Best student (male) award goes to Mr. Anuvrat Sircar of Department of Biomedical Sciences.

I congratulate both for being selected as Best Students on behalf of the entire Bhaskaracharya family. Ajay Dhama, B.Sc (H) Physics 3rd Year and Surender Singh Pal B.Tech. Food Technology 3rd Year got Excellence in Sports Award for Volley Ball and Athletics respectively.

I take pride in conferring the Deepika Wanganoo Memorial Award, 2015 instituted in the fond memory of Deepika Wanganoo, a former student of Department of Electronics to Gaurav Raj Sengar. 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 (H) Physics. This year, the award goes to Sachin Kaushik.

Moving on, I congratulate Dr. Anand Bhardwaj, Dr. Rizwana and Dr. Saroj Shukla for getting Teaching Excellence Award in Innovation from Vice Chancellor, University of Delhi for the Innovation Project Agro-Waste management: From Waste to Wealth.

This year, our college was sanctioned twelve DU Innovation Projects. I congratulate all the Principal Investigators of these projects. This year Department of Food Technology, is again organizing 'Better Process Control School' in collaboration with USFDA. Currently, our college is the only Institute conducting such course in India and neighboring countries. 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. I am also thankful to Department of Biotechnology for providing 10 lakh grant to our star Department Food Technology for up gradation of their laboratories.

The ECA Committee organized a two-day Inter-college Cultural festival SRIJAN-16 and songs of India sponsored by cultural council of India, University of Delhi, in which teams

from various colleges participated. All the clubs actively participated during the college festival.

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.

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 our teachers, non-teaching staff and students who are 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 Dr. Shalini Sehgal, Vice Principal and Secretary (Staff Council), Dr. Avneesh Mittal (Bursar); Teacher-in-Charges of all the departments, Conveners and coordinators of different Clubs, Society and Committees and also 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 our college will integrate in the society and help in the progressive development of the nation. We have great challenges ahead and great opportunities awaiting us. I am sure with your help we will reach new heights and make the coming year even better and glorious

Dr. Balaram Pani
Principal

**Meritorious Students
(Academic Year 2015-16)**

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.

Course	First Year Students	Second Year Students	Third Year Students	Position
B.Sc(H) Biomedical Science	Akshaya C. Nambiar	Stabonia Maji	Shweta Warriar	I
	Rahul Madaan	Ayushi Chhabra	Batra Arushi Arun	II
	Akash T.S	Anuvrat Sircar	Meenakshi	III
B.Sc(H)/B.Tech.* Computer Science	Anurag Bansal	Anshika Chourasia*	Anchal Rajpal	I
	Deepak Rikhari	Prabhjot Kaur Sethi*	Nikhil Raheja	II
	Rituraj Mehra	Arun Rajora*	Krishna Prasad	III
B.Sc(H) /B.Tech.* Electronics	Harshit Agarwal	Perna Angrish*	Gaurav Raj Sengar	I
	Yogesh Singh	Sanjeev Kumar*	Astha Dwivedi	II
	Om Ji Agnihotri	Gaurav Verma*	Aman Singh	III
B.Sc(H) /B.Tech.* Food Technology	Bhawana Anand	Diksha Kumari*	Aditi	I
	Nikunj Suneja	Preeti Tyagi*	Shefali Jindal	II
	Nikita Chhabra	Manjoor Ali*	Bhupender Singh	III
	Komal		Arun Kumar Gupta	III
B.Sc (H)/B.Tech.* Instrumentation	Manish	Chirag Mittal*	Parveen	I
	Shivani Tyagi	Janmesh Shukla*	Himanshu Joshi	II
	Rajat Khatri	Rishabh Tiwari*	Sanjana	III
B.Sc (H) Microbiology	Mansi Singh	Tania	Damini	I
	Atul Kumar Dhuriya	Neetika	Deepanshu Kumar	II
	Bhoomika Shokeen	Nishika Sabharwal	Vandana Singh	III
B.Sc(H) Physics	Nidhi Bhatt	Atul Mishra	Sachin Kaushik	I
	Pooja Gangwar	Krishna Jha	Monika	II
	Md. Lukaman Yumkhaibam	Bilal	Kalyani	III
B.Sc(H) /B.Tech.* Polymer Science	Naveen Yadav	Ravinder Singh*	Anurag Kumar	I
	Vinay	Shivani Chaudhary*	Akanksha Agrawal	II
	Simontini Chatterjee	Omair Malik*	Sagar Arora	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), and University of Delhi for DU-Innovation Projects. The college received twelve DU-Innovation Projects sanctioned by University of Delhi (2015-16) which are as follows:

S. No.	Project Code	Title of the Project	Principal Investigators (Departments)
1.	BCAS-301	Development of Norms of Selected Autonomic Nervous System function, Lipid Profile, Electrolyte and Selected Respiratory Variables of College Students with and without Sports Background.	1. Dr. Anil K. Bali (Biology) 2. Dr. Lalit Kapur (Chemistry) 3. Dr. Pawan Kumar (Physical Education)
2.	BCAS-302	Development of an intelligent, eco-friendly multilayer package and nutritious snack from Fruits and Vegetable seeds and peels.	1. Dr. Susmita Dey Sadhu (Polymer Science) 2. Dr. Meenakshi Garg (Food Technology) 3. Dr. Vandana Batra (Physics)
3.	BCAS-303	Development of Novel Eco-Friendly Printable Packaging Films for Industrial Applications.	1. Dr. Sidhharth Sirohi (Polymer Science) 2. Dr. Krishna Dutt (Polymer Science) 3. Ms. Ratyakshi (Biomedical Science)
4.	BCAS-304	To understand the role of maternal factors in childhood obesity and promote metabolic fitness.	1. Dr. Avneesh Mittal (Electronics) 2. Dr. Purnima Anand (Microbiology) 3. Dr. Neha Bansal (Microbiology)
5.	BCAS-305	To explore the potential of bio-similars as cost effective therapeutic products.	1. Dr. Uma Chaudhry (Biomedical Science) 2. Dr. Balaram Pani (Chemistry) 3. Dr. Ranjeet S. Thakur (Library)
6.	BCAS-306	Clean Electricity Generation from waste water samples collected from Delhi-NCR using Microbial Fuel Cell Technology-A Green Energy Initiative.	1. Dr. Inderbir Kaur (Electronics) 2. Dr. Ruchi Marwah (Microbiology) 3. Mr. Pawan Kumar (Instrumentation)
7.	BCAS-307	Agro Waste based Green Nano-Composite: Development and Applications.	1. Dr. S.K Shukla (Polymer Science) 2. Dr. Rizwana (Food Technology) 3. Dr. Anand Bharadvaja (Physics)
8.	BCAS-308	Exploring the Involvement of Mechanotransduction Network in Inter-individual Differences through Ayurgenomics Approach.	1. Dr. Uma Dhawan (Biomedical Science) 2. Dr. N.S Abbas (Biology) 3. Dr. Pawas Goswami (Microbiology)

9.	BCAS-309	Identification of Genetic Factors for Coronary Artery Disease and Its Association with other Atherogenic Risk Factors in Young Indians.	<ol style="list-style-type: none"> 1. Dr. Neha Singh (Biomedical Science) 2. Dr. Neeru Sharma (Mathematics) 3. Ms. Arti Dua (Computer Science)
10.	BCAS-310	Development of wireless sensor for detection and real-time monitoring of Microorganisms.	<ol style="list-style-type: none"> 1. Dr. Jitender Kumar (Electronics) 2. Dr. Amit Kumar (Electronics) 3. Dr. Shalini Sehgal (Food Technology)
11.	BCAS-311	Study and Design of Framework for Cloud Implementation in Large University/ Higher Education.	<ol style="list-style-type: none"> 1. Mr. Bhavya Deep (Computer Science) 2. Mr. Vikas Tyagi (Physics) 3. Mr. Parveen Kumar (Computer Science)
12.	BCAS-312	Development of cookies with biodegradable packaging material for diabetics.	<ol style="list-style-type: none"> 1. Dr. Eram S. Rao (Food Technology) 2. Dr. Manjeet Singh Barwa (Polymer Science) 3. Dr. Prem Lata Meena (Polymer Science)

List of Eminent Invited Speakers:

- Dr. B.C. Sabata (Sr. Scientific Officer), Ministry of Environment
- Dr. S. S. Rana (Ex. Dean of Colleges), University of Delhi
- Swami Chidrupananda (Director), All India Chinmaya Yuva Kendra
- Dr. Dayal Singh Panwar (Poet and Assistant Professor), Lal Bahadur Shastri Sanskrit Vidyapith
- Mr. Rashmin Pulekar (Sr. Faculty of Art of Living), Mumbai
- Dr. S.K. Arora (Additional Director), DGHS, Government of Delhi
- Dr. Sumesh Kumar (Assistant Professor), IHMR
- Ms. Divya Aggarwal (Assistant Professor), IIHMR
- Mr. K Ramachandran (General Manager), Academics, T.I.M.E Education Pvt. Ltd, New Delhi
- Mr. Anil Thakur (Delhi Co-Coordinator of Vedic Mathematics Workshops), Shiksha Sanskriti Uthan Nyas, Delhi
- Mr. Maruti Sharma (R&D Head), Jagannath Krishna Memorial Society Research Foundation
- Dr. Biswajeet Kundu (Associate Professor), School of Biological Sciences, IIT, Delhi
- Dr. Helen Collins (Vice-Dean for Postgraduate Study in the Faculty of Life Sciences & Medicine), Kings College, London
- Dr. Vinod Scaria (Scientist), CSIR-Institute of Genomics and Integrative Biology, New Delhi

- Dr. Deepak K. Saini (Assistant Professor), Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore
- Dr Nijahwan (Director), Ministry of Consumer Affairs, GOI
- Ms. Vandana Mishra (Placement Officer), Pandit Deen Dayal Upadhyaya Institute of Physically Handicapped (PDUIPH)
- Dr. S. Ramanarayana Reddy (HOD-CSE Department), IGDTU for Women, Kashmeri Gate
- Prof. V.R. Singh (Director), PDM Educational Institutions
- Dr. G. S. Jha (Sr. Manager), R&D (PPD, Supreme Industries Ltd, Pune)
- Dr. Seema Upadhyaya (President), Sankalp Foundation
- Mr Dharmesh Gala (Anton Par)
- Dr. Parsun Roy, DRDO, New Delhi
- Dr. Bhanu Nandan, IIT-Delhi

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:

Coordinators of the Star College Scheme:

Dr. Shalini Sehgal
2010-2013

Dr. Purnima Anand
2014-2015

Dr. Uma Chaudhry
2016 onwards

Department Coordinators of the Star College Scheme:

Name of the Department	Department Coordinator	Period of Department Coordinator
Department of Biochemistry	Dr. Anil K. Bali Dr. Anita Sondhi	July 2015 till date December 2010 to June 2015
Department of Biomedical Science	Dr. Shivani G. Varmani Dr. Uma Chaudhry	January 2016 till date December 2010 to December 2015
Department of Food Technology	Dr. Meenakshi Garg Dr. Rizwana Dr. Shalini Sehgal	October 2015 till date October 2014 to September 2015 December 2010 to September 2014
Department of Microbiology	Dr. Ruchi G. Marwah Dr. Pawas Goswami Dr. Purnima Anand	October 2015 till date December 2013 to September 2015 December 2010 to November 2013
All the faculty of participating Departments are member of the scheme from December 2013 onwards till date		



**Department of Food Technology has been awarded with
STAR DEPARTMENT STATUS in the year 2013**



Under this scheme the college had received 10 Lakhs non-recurring grant for the Star Department of Food Technology. The department was able to purchase various instruments utilizing this grant and enriched their lab facilities. Various activities such as in-house projects under the supervision of Department Teachers as mentors, new experiments, workshops, trainings, lectures, and institutional visits are organized under this scheme. Students of the participating departments attended a Workshop-cum-Camp on Foldscope, an origami microscope at Sri Venkateswara College on 16th December, 2015 from 9.00 a.m. to 2.30 p.m. and also attended a public lecture at Gargi College on the very same day which was organized jointly by the Department of Biotechnology (DBT), Government of India under the aegis of Star College Scheme and the Prakash Lab at Stanford University. Manu Prakash and his team from Stanford along with the volunteers from ICGEB Delhi worked together with DBT and Colleges to teach students and other participants the workings of the foldscope.

Students of the participating departments also attended 'Global Biotechnology Summit 2016' which was held at Vigyan Bhawan, New Delhi on 5th and 6th February, 2016 to celebrate thirty years of excellence of the Department of Biotechnology (DBT). This summit was held to summarise and appreciate the ample amount of efforts and hardwork put in by all those associated with DBT; to showcase the achievements and to overlook and ponder upon the opportunities that lie ahead in the same field. Students got the opportunity of attending the

summit and had an enriching experience in terms of attaining knowledge about the various fields of research and study related to Biotechnology.

Departmental Activities and Faculty Achievements

Department of Biochemistry

Biochemistry is a multidisciplinary field which is concerned with the molecular design of life. The study of Biochemistry includes the structure of molecules found in the living system, metabolic pathways, synthesis of the molecules of life (e.g. Amino acids, carbohydrates, nucleotides etc.), response to environmental changes (e.g. sensory system, immune system etc.), expression and transmission of genetic information.

The Biochemistry laboratory is well equipped with the latest equipments to meet the need of a wide spectrum of students who study Biochemistry at the undergraduate level. It familiarizes the students with the state of the art biochemical technique like Thin layer chromatography, Gel filtration chromatography, Electrophoresis and use of spectrophotometer, Trans-illuminator, centrifuge, pH meter, autoclave, laminar air flow chamber. Biochemistry Lab also has many other instruments for conducting the practicals.

The students are trained to understand the practical implications of the subject in a wide spectrum of fields.

Some of the sectors/industries in which Biochemists work include Biotechnology, Food, Health and Beauty care, Medical instruments companies, chemical manufacturing companies, Research companies and laboratories, Department of Agriculture and Fisheries, Blood Bank, Forensic science, Diagnostic Laboratories, Environment and pollution control organizations.

Academic Achievements of the Faculty

Dr. Shvetambri

Rini Joshi, Vishwajeet Rohil, Shvetambri Arora, Suvro Chatterji, Bilikere. S. Dwarakanath, Daman Saluja, Diwan S. Rawat, Ashok K. Prasad, Luciano Saso, and Hanumantharao G.Raj. The Competence of 7, 8-Diacetoxy-4-Methylcoumarin and Other Polyphenolic Acetates in Mitigating the Oxidative Stress and their Role in Angiogenesis. Current topics in medicinal chemistry Vol.15 No.2 179-186 (2016)

Department of Biomedical Science

Eight students from the Department of Biomedical Science got the opportunity of attending the Global Biotechnology Summit 2016 held at Vigyan Bhawan, New Delhi on 5th and 6th February, 2016 to celebrate thirty years of excellence of the Department of Biotechnology (DBT). They had an enriching experience in terms of attaining knowledge about the various fields of research and study related to Biotechnology. This summit was held to summarize and appreciate the ample amount of efforts and hard work put in by all those associated with DBT; to showcase the achievements and to overlook and ponder upon the opportunities that lie ahead in the same field. To do so, all the stakeholders and the associated scientists from India and abroad graced the occasion with their talks and shared their experiences with the audience.

Students of the department attended a Workshop-cum-Camp on Fold scope, an origami microscope at Sri Venkateswara College on 16th December, 2015 from 9.00 a.m. to 2.30 p.m. (2 students) and also attended a public lecture at Gargi College (22 students) on the very same day which was organized jointly by the Department of Biotechnology (DBT), Government of India under the aegis of Star College Scheme and the Prakash Lab at Stanford University. Manu Prakash, his team (Marie Bas, Tom Hata, Jim Cybulski and LakshminarayanIyer) from Stanford and volunteers from ICGEB Delhi worked together with DBT and local organizers to teach students and enthusiasts the workings of the foldscope. In his lecture at Gargi College, Delhi, Manu Prakash spoke to assembled students about how uninhibited inquiry and learning from mistakes are important components of science.

The teachers and the students of the department are also involved in various DU innovation projects. Ten students of the department attended a 'Hands-on-Training Program on Biotechnology' to learn basic tools of Biotechnology useful for gene cloning purposes organized from 18th to 28th December 2015 by the Mentors and Principal Investigators of two DU Innovation projects of the college. Students were abreast with various techniques of primer designing for PCR, genomic DNA isolation from stools, plasmid isolation, competent cell preparation and transformation.

The Department of Biomedical Science organized following invited lectures:

- Dr. Vinod Scaria, Scientist, CSIR-Institute of Genomics and Integrative Biology, New Delhi on 'Personal Genomics for Precision Medicine' was organized on 17th February 2016 by the faculty of DU Innovation Project.
- An invited lecture by Dr. Biswajeet Kundu, Associate Professor, School of Biological Sciences, IIT, and Delhi on 'Expansion of protein function through engineering of specialized enzyme' was organized on 9th February 2016 by the faculty of DU Innovation Projects.

- An invited lecture by Dr. Helen Collins, Vice-Dean for Postgraduate Study in the Faculty of Life Sciences & Medicine at Kings College, London on “The role of iron chelating in immune responses in chronic inflammation” was organized on 2nd November 2015 in the college.

The Biomedical Science Society—“DNAmics” also organized two events- ‘Beg, Borrow and Steal’ and ‘Lotto-216’ during the Annual Inter College Cultural Festival “SRIJAN 2K16” on January 21, 2016.

Academic Achievements of the Faculty

Dr. Uma Chaudhry

- Organized and presented a paper titled “A sneak peak into Ayurvedic Medicine: An Indian Scenario” in the 9th National Conference on Solid State Chemistry and Allied Areas (ISCAS-2015) held at Conference Centre, University of Delhi from May 8th to 10th, 2015.
- Participated in the International Training Program on Leadership and Career Development for Women Scientists & Technologists held from August 28th to September 1st 2015 at IISER Pune.
- Participated in DSACS sponsored capacity building training programmed on ‘Laboratory Techniques for diagnosis of STIs / RTIs’ from November 2nd to 3rd, 2015 organized by APEX Reginal STD Teaching, Training and Research Centre, Safdarjung Hospital, New Delhi.
- Participated and presented two posters in the 10th Symposium on Frontiers in Biomedical Research organized by Dr. B. R. Ambedkar Center for Biomedical Research (ACBR), University of Delhi held during October 29th to 31st, 2015.

Dr. Shivani G. Varmani

- Co-investigator in UGC Major Project entitled “Effect of religious fasting on weight loss of overweight and obese Indian adults”. Final report of the project has been submitted in January 2016
- M. Garg, S. Wason & S. G. Varmani. “To Study Physical Activity Levels, Body Composition and Association of Body Mass Index with Anthropometric Measurements in Young Indian Adults”; Intl. J. of Pharm. and Integ. Life Sci., 2015, Vol. 3(8), Pages 36-50.
- M. Garg, P. K. Sabharwal, S. Sharma, S. G. Varmani and S. D. Sadhu. “Evaluation Of Mathematical Models To Describe Thin-Layer Drying And To Determine Drying Rate Of Potato Peels Using Tray Drying”; Intl. J. of Sci. Eng. and Appl. Sci., 2015, Vol. 1(7), Pages 1-15.

- M. Garg, S. Wason & S. G. Varmani. “Understanding Physical Activity and Quality of Life among Young Indian Adults”; Intl. J. of Pharm. and Integ. Life Sci., 2015, Vol. 4(1), Pages 16-32.
- Participated in “Doctoral workshop on Research Methods and R Analytics” by All India Management Association (AIMA) held on 4-6 February 2016 at New Delhi.

Dr. Uma Dhawan

- Awarded UGC-Raman Fellowship for Post-Doctoral Research at Boston University, Massachusetts, USA.
- Recognized as a Supervisor to guide Ph.D students by faculty of Science, University of Delhi.
- Appointed as Mentor by National Network of Mathematical and Computational Biology (NNMCB) funded by Science and Engineering Research Board (SERB), Government of India, to provide training in mathematical and computational biology to both undergraduate/ post graduate students and to promote research activities.
- Visiting faculty at Dr. B.R. Ambedkar Center for Biomedical Research, University of Delhi to teach the Genome Biology Course to the students of M.Sc - Ph.D Combined Degree Program - IV Semester (2015-16).
- Coordinator for the add-on certificate course in Bioinformatics and in silico Drug Discovery jointly organized by Bhaskaracharya College of Applied Sciences and Acharya Narendra Dev College, University of Delhi (2015-16).
- Organized a lecture on “Personal Genomics for Precision Medicine” by Dr. Vinod Scaria, Scientist, CSIR-Institute of Genomics and Integrative Biology, New Delhi on February 17, 2016 in the college.
- Invited as a Jury member for 5th National Level Exhibition and Project Competition (NLEPC)- 2015 under INSPIRE Awards component of Department of Science & Technology organized at Indian Institute of Technology (IIT) Delhi from December 6-7, 2015.
- Organized a lecture on “The role of iron chelation in immune responses in chronic inflammation” by Dr. Helen Collins, Vice-Dean for Postgraduate Study in the Faculty of Life Sciences & Medicine at Kings College, London on November 2, 2015 in the college.
- Poster presentation titled “Study to determine the levels of Vitamin B12 and foliate in Young Indian Population” at 10th symposium on Frontiers in Biomedical Research organized by ACRB, University of Delhi, October 29-31, 2015.

- Invited as a resource person in a three-day Instructional workshop on “Proteomics and Proteogenomics: Hands-on Protein Identification and Gene Discovery from Mass Spectrometry Data” supported by National Network for Mathematical and Computational Biology (NNMCB) - Delhi Node, Science and Engineering Research Board, Government of India held from October 10-12, 2015.
- Invited as a resource person to deliver a lecture on “Microarray Data Analysis” in 1st Refresher Course in Computer Sciences, Bioinformatics and Information Technology organized by Academic Staff College, JNU, and New Delhi on September 14, 2015.
- Attended UGC-Sponsored 1st Refresher Course in Computer Sciences, Bioinformatics and Information Technology organized by Academic Staff College, JNU, New Delhi from August 24-September 18, 2015.
- Published a paper titled “An Explorative Study on Knowledge and Awareness of Health Problems Related to Usage of Fabric Dyes by Road Side Dyers in Delhi, India”; G. Dhawan, S. Gupta, M. Jain, U. Dhawan, Deepika, P. Dungriyal, Z. Zaidi, Y. Singh, J. Thakur, Dharmendra, A. Chauhan and K. Sharma. DU Journal of Undergraduate Research and Innovation, 2015, Vol. 1 (3) Pages 20-25.

Dr. Neha Singh

- Attended 10th Annual Symposium on Frontiers in Biomedical Research (FBR-2015): Comprehending Genes@work: From Structural Biology to Drug Discovery, 29th - 31st October 2015 at University of Delhi, Delhi.
- Attended National Symposium on Lifestyle Disorders (NSLD): Understanding the Molecular Mechanism, 28th – 29th January 2015 at Shivaji College, University of Delhi, Delhi.

Ms. Ratyakshi

- R. Nain, K. Yadav, M. Jassal and A. K. Agrawal. “Aligned ZnO nanorods as an effective reinforcing material for obtaining high performance polyamide fibers”; Composite Science and Technology, 2015, Vol. 120, Pages 58-65.
- R. Nain, D. Singh, M. Jassal and A. K. Agrawal. “Zinc oxide nanorod assisted rapid single-step process for the conversion of electrospunpoly(acrylonitrile) nanofibers to carbon nanofibers with a high graphitic content”; RSC Nanoscale, 2016, (Accepted manuscript, DOI 10.1039/c5nr06809f).

Dr. Kapil Roy

- S. Mahendru, K. Roy, S. Kukreti. "Peptide Biomarkers: Exploring the Diagnostic Aspect"; Current Protein & Peptide Science (Accepted for publication).
- M. Kaushik, S. Kaushik, K. Roy, A. Singh, S. Mahendru, M. Kumar, S. Chaudhary, S. Ahmed, S.Kukreti. "A bouquet of DNA structures: Emerging diversity"; Biochemistry and Biophysics Reports (Accepted for publication).
- M. Kaushik, P. Sinha, P. Jaiswal, S. Mahendru, K. Roy, S. Kukreti. "Protein Engineering & de novo designing of a Biocatalyst"; Journal of Molecular Recognition (Accepted for publication).

Department of Chemistry

Academic Achievements of the Faculty

Dr. Balaram Pani

- Research Project: Spatial Distribution of uranium and associated water quality parameters in groundwater/ surface water in six(06) districts of Uttar Pradesh (Agra, Mathura, Mahamaya Nagar, Kanshiram nagar, Etah and Badaun), accepted from BRNS, BARC, Bombay, 2015.
- Organized 'Hands-on workshop on data curation and database development' for our college students in collaboration with CSIR-Open Source Drug Discovery Unit on 22nd February, 2016, at AB-Open Lab of CSIR-Head Quarter, Delhi.
- Attended the Global Biotechnology Summit 2016 which was held at Vigyan Bhavan, New Delhi on 5th and 6th February, 2016 to celebrate thirty years of excellence of Department of Biotechnology (DBT).
- Organized a lecture on 'Expansion of protein function through engineering of specialized enzyme' by Dr. Biswajeet Kundu, Associate Professor, School of Biological Sciences, IIT, Delhi on 9th February, 2016 in the college.
- Participated and presented two posters 'Alarming increase in the cases of childhood obesity... (Where are we heading?)' and 'Role of gut micro biome in childhood obesity' in the National Symposium on Lifestyle Disorders (NSLD): Understanding the molecular mechanisms held at Shivaji College, University of Delhi during 28th to 29th January, 2016. One of the posters was awarded consolation prize in the symposium.
- Participated and presented two posters 'Childhood obesity and the role of maternal factors' and 'Exploring the potential of Biosimilars as Cost-Effective Biotherapeutics' in the 10th Symposium on Frontiers in Biomedical Research organized by Dr. B. R.

Ambedkar Center for Biomedical Research (ACBR), University of Delhi held during October 29th to 31st, 2015. One of the posters was awarded the best poster award (second prize) in the symposium.

- Organized a lecture on ‘Strategies for expressing recombinant biosimilar molecules’ by Dr. Deepak K. Saini, Assistant Professor, Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore on 18th December, 2015.
- Organized ‘Hands-on-Training Program on Biotechnology’ from 18th to 28th December 2015 in the college premises. Students of the department of Electronics, Microbiology and Biomedical Science attended the program to learn basic tools of Biotechnology useful for gene cloning purposes. Students were abreast with various techniques of primer designing for PCR, genomic DNA isolation from stools, plasmid isolation, competent cell preparation and transformation.

Department of Computer Science

The Department of Computer Science organizes seminars, technical talks and workshops on regular basis for enhancing the technical skills of the students. The Department has organized a seminar on “BIG Data and its Application” on 9th September 2015. In response to the call from the Hon’ble Prime Minister Narendra Modi Ji the Department took an active participation in the cleanliness drive for “Swachh Bharat Abhiyan” and the “Digital India Initiative” organized in October 2015 in college. Two workshops on “Cloud Computing” were organized on 19th and 25th February 2016. In addition to the technical talks and workshops, the faculty of the department is actively involved in publishing high quality research papers, Government funded research projects and designing the syllabus of undergraduate courses under committee of courses, Department of Computer Science, University of Delhi. The Department encourages students to do software development related activities. A new model of the college website was designed and developed by Mr. Raunak Sett, student of B.Tech. Computer Science. The department has its own society CS.Net which holds annual inter college techno-cultural departmental festival “Interface” every year.

Academic Achievements of the Faculty

Dr. Sangeeta Srivastav

- Shailey Chawla, Sangeeta Srivastava, PunamBedi, “A Qualitative Forward Reasoning Approach for Evaluation of WebGRL Diagrams”, Journal of Information and Systems Management, Volume 5, Issue 1, pp. 1-15, March 2015.
- Sangeeta Srivastava, “UML Profile for the WebGRL Requirement Model and EA-OOH Design Models” in International Journal of Emerging Technology and Advanced Engineering, Volume 5, Issue 8, pp. 313-322, August 2015 ISSN 2250-2459
- Shailey Chawla, Sangeeta Srivastava, PunamBedi, “Goal and Scenario based Web Requirements Engineering” International Journal of Computer Systems Science & Engineering, CRL Publishing, Jan 2016.
- Chawla, S., Srivastava, S., & Bedi, P. Improving the quality of web applications with web specific goal driven requirements engineering. International Journal of System Assurance Engineering and Management, Springer, pp. 1-13, 28th Sept 2015.
- Convener “BIG Data and its Application” Workshop on 9th September 2015
- Member of Committee of Post Graduate Honours & Research, Department of Computer Science, University of Delhi.
- Member Committee of courses, Department of Computer Science, University of Delhi.

Mr. Bhavya Deep

- Convener “Cyber Security” Workshop in association with AIWEFA and Google India under the Hon’ble Prime Minister Modiji call for Digital India on 14th Oct 2015.
- Convener “Cloud Computing” Technical Talk cum Workshop on 19th February 2016.
- Convener “Cloud Computing Architecture” Technical Talk on 25th February 2016.
- Participated in 4 Weeks Refresher Course in Computer Science, Bioinformatics & Information Technology from 24th August to 18th September 2015 at the Academic Staff College, Jawaharlal Nehru University.
- Guided the design, development and launch of newer model of College Web Site addressed at <http://bcas.du.ac.in>. The website was coded by Mr. Raunak Sett, B.Tech. Computer Science student.
- Member of faculty of mathematical sciences, University of Delhi.
- Member Committee of courses, Department of Computer Science, University of Delhi.

Mr. Parveen Kumar

- Parveen Kumar; “Study of Heterogeneous Energy Models in Wireless Sensor Networks”, Journal of Global Research in Computer Science, 2015, Volume 6, No. 2, pp. 12-16.
- Parveen Kumar; “Comparative Analysis of Manet Routing Protocols”; International Journal of Advanced Research in Computer Science and Applications, Volume 3, Issue 6, pp. 13-20, June 2015.

Mr. Arun Kumar Gautam

- Arun Kumar Gautam, Prem Shankar Singh Aydav, SonajhariaMinz, “Using Semi Supervised Self Learning for the Classification of Multimedia Data”, International Conference on Computing, Communication and Automation, IEEE Xplore, 15th - 16th May, 2015.

Ms. Seema

- Seema, Pawan Singh “ Towards the development of public private key pairs ”; International Journal in Advance Research in Data Mining and Cloud Computing , Volume 3 Issue 6, June 2015.
- Seema, Pawan Singh “ The influence of Virtual Communication on Networking ”; International Journal in Advance Research in Information and Communication engineering , Volume 3 Issue 6, June 2015.

Mr. Hariom Sharan Sinha

- Hari Om Sharan Sinha, Saket Kumar Choudhary, Karan Singh, “Spiking Activity of Hybrid Spiking Neuron Model in DDF” accepted in RICE – 2016 for Publications in Conference proceedings by McGraw-Hill Publication, India.

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, the activities that have been organized in the current academic year are:

- As a part of “Swachh Bharat Abhiyan”, an initiative by the Government of India, Department of Electronics conducted cleanliness program on 1st October, 2015. The

program involved all the staff and students of the department. All the four labs i.e. Computer lab, Optics lab, LAB1 and LAB2 were cleaned.

- A One day workshop on "Emerging Technologies, Market Requirements & ITIL V3.0" on 15 September 2015 in collaboration with Milestone Achievers. The workshop aimed at educating students in Essential Technical Training Model - X, Y, Z vs. x, x+, x+, 40:60 & 80:20 model, Broadband technologies - Working relationship between Telecom, IT and Networking, Digital India model & its requirement and live demonstration of Broadband Equipment. The workshop was interactive and students learnt to communicate and connect one broadband technology to another through instruments.
- A workshop on "AVR Microcontroller" in collaboration with Excel Technologies, Noida, was also organized on 01.02 .2016 in the College. The workshop was about various tools, microprocessors and microcontrollers used in designing of an embedded system and designing cycle. Hands on training were also conducted during the workshop. During the session, students learnt to interface the microcontroller with real world.

Academic Achievements of the Faculty

Dr. Manoj K. Khanna

- Shakti Sharma, Harish Parthasarathy, AkashTayal, Geeta Bhatt, Manoj Khanna and Updesh Sharma, An approach towards approximation of the Design of Quantum Gate, International Journal of Advanced Technology and Engineering Exploration, ISSN (Print): 2394-5443 ISSN (Online): 2394-7454 Volume-2 Issue-8 July-2015.
- GurkiranKaur, Geeta Bhatt, Manoj Khanna, BalaramPaani, "Heuristic Rule Based Fuzzy Inference System for Decision Support and Quality Assurance in Higher Education", International Journal of Enhanced Research in Management & Computer Applications, ISSN No: 2319-7471, Vol. 4 Issue 6, June-2015.
- Manoj Khanna, Geeta Bhatt and Pawan Kumar; MATLAB Essentials for problem solving; PHI., ISBN No.:978-81-203-5175-2.

Dr. Inderbir Kaur

- Gaurav Verma, Yogesh Singh, Anjali, Nishika Sabharwal, Ajay Agarwal, Dr. Geeta Mongia, Dr. Inderbir Kaur, Dr. Ruchi Gulati Marwah "A Short Review on Microbial Fuel Cell Technology and A Proposed approach for Generation of Electricity using Waste Water Treatment" IJSRD, National Conference on Inspired Learning, October 2015.

- Attended 2nd National Conference on ‘Student – driven Research for inspired Learning in Science and Technology’ held during October 16 – 17, 2015 at Maharaja Agrasen College, University of Delhi.
- Participated in workshop on AVR MICROCONTROLLER organized in collaboration with Excel Technologies held on February 1, 2016 at Bhaskaracharya College of Applied Sciences.

Dr. Avneesh Mittal

- Organized ‘Hands-on workshop on data curation and database development’ for our college students in collaboration with CSIR-Open Source Drug Discovery Unit on 22nd February, 2016, at AB-Open Lab of CSIR-Head Quarter, Delhi.
- Organized a lecture on ‘Expansion of protein function through engineering of specialized enzyme’ by Dr. Biswajeet Kundu, Associate Professor, School of Biological Sciences, IIT, Delhi on 9th February, 2016 in the college.
- Participated and presented two posters ‘Alarming increase in the cases of childhood obesity... (where are we heading?)’ and ‘Role of gut microbiome in childhood obesity’ in the National Symposium on Lifestyle Disorders (NSLD): Understanding the molecular mechanisms held at Shivaji College, University of Delhi during 28th to 29th January, 2016. One of the poster was awarded consolation prize in the symposium.
- Participated and presented two posters ‘Childhood obesity and the role of maternal factors’ and ‘Exploring the potential of Biosimilars as Cost-Effective Biotherapeutics’ in the 10th Symposium on Frontiers in Biomedical Research organized by Dr. B. R. Ambedkar Center for Biomedical Research (ACBR), University of Delhi held during October 29th to 31st, 2015. One of the poster was awarded the best poster award (second prize) in the symposium.
- Organized a lecture on ‘Strategies for expressing recombinant biosimilar molecules’ by Dr. Deepak K. Saini, Assistant Professor, Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore on 18th December, 2015.
- Organized ‘Hands-on-Training Program on Biotechnology’ from 18th to 28th December 2015 in the college premises. Students of the department of Electronics, Microbiology and Biomedical Science attended the program to learn basic tools of Biotechnology useful for gene cloning purposes. Students were abreast with various techniques of primer designing for PCR, genomic DNA isolation from stools, plasmid isolation, competent cell preparation and transformation.

- Participated in a workshop sponsored by Department of Electronics and Information Technology, Ministry of Communication and Information Technology on Digital India, organized by NSS center University of Delhi, held on February 25 2016.

Ms. Shweta Gupta

- Swati Gupta and Shweta Gupta, Electronics Practical; Narosa Publishing House Pvt. Ltd., ISBN No.:978-81-8487-518-8
- Attended a Workshop on ‘Emerging Technology & ITIL V3.0’ organized by Department of Electronics, BCAS in collaboration with Milestone Achievers held at Bhaskaracharya College of Applied Sciences on September 15, 2015.
- Attended a workshop on ‘AVR Microcontroller’ organized by Department of Electronics, BCAS in collaboration with Excel Technologies held at Bhaskaracharya College of Applied Sciences on February 1, 2016.
- Attended a Refresher Course in Environmental Studies/ Earth Sciences (Interdisciplinary) organized by Centre for Professional Development in Higher Education, University of Delhi during October 13- November 4,2015.

Dr. Jitender Kumar

- Kaur, I. Singh, J. Kumar, C.Bhatnagar, S. K.r Dixit , P. K. Bhatnagar, P. C. Mathur, J. A. Covas and M. C. Paiva “Enhancement in the performance of MWCNT:PMMA composite thin film ethanol sensor through appropriate nanotube fictionalization” Material science in semiconductor processing 2015, Volume 31, Page 166-174.
- T.S.Prajapati, S. Jha, S. Jain, T. Dhewa, J. Kumar, A. Kumar “Essence , Trends and Proposed Design for Microbial Sensing” ,International Journal for Scientific research and development”, October 2015, page 30-33.
- Attended one day workshop on "Emerging Technologies, Market Requirements & ITIL V3.0" on 15 September, 2015 collaboration with Milestone Achievers.
- Attended one day workshop on "AVR Microcontroller: Collaboration with Excel technologies, 01 Feb, 2016.
- Completed orientation programme at ASC Jamia Millia Islamia (from 06 May 2015 to 26 May 2015).

Dr. Amit Kumar

- Amandeep Kaur, Inderpreet Singh, Amit Kumar, Peta Koteswara Rao, Pramod Kumar Bhatnagar, “Effect of physicochemical properties of analyte on the selectivity of polymethylmethacrylate: Carbon nanotube based composite sensor for detection of

volatile organic compounds” Materials Science in Semiconductor Processing 41 (2016) 26–31.

- Tania. S.Prajapati, S. Jha, S. Jain, T. Dhewa, J. Kumar, Amit Kumar “Essence , Trends and Proposed Design for Microbial Sensing”, International Journal for Scientific research and development” , October 2015, page 30-33.
- Amit Kumar “Learning from biomimicry”, International Journal for Scientific research and development, October 2015, page 153-156.
- Attended two days 2nd National Conference on “Student-driven Research for Inspired Learning” (NCIL 2015) in Science and Technology on 16 - 17 October 2015 being organized by Embedded Systems and Robotics Centre (ESRC) and Department of Electronics, Maharaja Agrasen College, University of Delhi.
- Attended one day workshop on "Emerging Technologies, Market Requirements & ITIL V3.0" on 15 September, 2015 collaboration with Milestone Achievers.
- Attended one day workshop on "AVR Microcontroller: collaboration with Excel technologies, 01 Feb, 2016.

Ms. Aarti Malyan

- Attended one day workshop on “AVR Microcontroller” conducted by Excel Technologies on February 1st 2016 at Bhaskaracharya College of Applied Sciences.

Ms.Suman Bharti

- Attended one day workshop on “AVR Microcontroller” conducted by Excel Technologies on February 1st 2016 at Bhaskaracharya College of Applied Sciences.

Department of Food Technology

Food Technology Society AMBROSIA organized a ‘Salad preparation’ and ‘Muffin decoration’ competition as part of ‘Srijan-2016’ celebration. Students enthusiastically participated in both the events. Students of Food Technology undertook an 8-day bakery workshop conducted by Assocom Institute of Bakery Technology in collaboration with National Skill Development Corporation of the Government of India. This workshop was a part of PMKVY (Pradhan Mantri Kaushal Vikas Yojna). In this, the students learnt science, technology as well as the art of making various products like bread, cakes, doughnuts, cookies, muffins and dressing them as well. At the end of the workshop, a test was conducted through which students got the status of Craft Baker. This workshop will prove helpful in doing one’s own start-up as well as serve as an important part during job recruitment.

This year Department of Food Technology, is again organizing Better Process Control School in collaboration with USFDA. Currently our college is the only institute conducting such course in India and neighboring countries.

CII conducted a first level training program for the student volunteers of Street Food Vendor under Surakshit Khadya Abhiyan on 5th February 2016. Students also attended 2nd National Conference on Plastics Packaging –the Sustainable Choice on January 19th, 2016 at FICCI, New Delhi.

Our Students have also won prizes in different events. Surender, B.Tech. (Food Technology) 3rd year student won the 2nd prize in 20 km walk in Delhi university Athletic meet. Tushar Bhardwaj of 2nd year B.Sc (Food Technology) won 2nd prize in Inter-collegiate Power Point Presentation making competition. Diksha, B.Tech. (Food Technology) 3rd year, received the All India Food Processors Association (AIFPA) Silver Medal (Instituted by Italian Technical Services) for academic excellence. Rithikesh B.Tech. (Food Technology) 3rd year student secured 1st prize in Chess competition organized in Shivaji College.

Our students have performed well in the college events - Monu Chaurasiya 2nd year B.Sc (Food Technology) won 2nd position in Badminton, Kunal B.Tech. (Food Technology) 3rd year student got 2nd best award in mimicry competition in 'Srijan-2016'.

Academic Achievements of the Faculty

Dr. Rizwana

- Received Teaching Excellence Award for Innovation during the academic session 2014-15 on 01 May 2015 for the Innovation Project Agro-Waste management: From Waste to Wealth from Vice Chancellor, University of Delhi.
- Departmental Coordinator of Star College Scheme, DBT, GOI for a period from October 2014 to September 2015.
- Participated and oral presentation of a paper on Importance of Surface Engineering between Poly vinyl alcohol and rice husk derived cellulose for active packaging film in research conclave packaging strategies for global competitiveness on 9th and 10th October, 2015 during World Packaging Congress, Mumbai.
- Organizing member and presented a poster, Development and characterization of biocomposite film from rice husk and its application for packaging cookies, in the 9th National Conference on Solid State Chemistry and Allied Areas (ISCAS-2015) held at Conference Centre, University of Delhi from May 8th to 10th, 2015.
- S. K. Shukla, Sagar, Naman, Deepika, Sundaram, Prateeksha, Ankur, Arun, Srishti, Vaishali, Rakesh, Rizwana, A. Bharadvaja and G. C. Dubey, Extraction of Cellulose

Micro Sheets from Rice Husk: A Scalable Chemical Approach, DU Journal of Undergraduate Research and Innovation, 1(3)(2015)187- 194

- Member, Area Advisory Board of Amity Institute of Food Technology
- Expert Member, in expert group meeting for transformation and strengthening of the Diploma Programme in value added products from Fruits and Vegetables (DVAPFV), into a Modular Certificate and Diploma Programme by School of Agriculture, IGNOU.
- Member, National Advisory Committee, National Conference on Advances in Food Science and Technology (NCAFST-2016) organized by Shaheed Rajguru College of Applied Sciences for Women.
- Attended 10th CII National Food Safety and Quality Summit on Integrating Global Perspectives on Food Safety and Quality for Enhanced Consumer Safety on 1-2 December 2015.
- Attended “Global Convention for Food Business and Industry” at the 9th FICCI Food World India on 3rd Dec, 2015.

Dr. Shalini Sehgal

- Appointed as the Vice Principal of the college from 19th October, 2015.
- Convener of the National Assessment and Accreditation Council (NAAC) assessment of the college.
- Coordinator of the Better Process Control School conducted in collaboration with USFDA, India Office.
- Member of the working group for the National mission of Surakshit Khaya Abhiyan by Confederation of the Indian Industry.
- Member of Committee of Courses of B.Sc (H) and B.Tech. Food Technology 2015-2016, University of Delhi.
- Subject expert in Board of Studies for M.Sc. Food Processing and Food Technology for establishment of Innovation Centre in Food Processing and Food Technology under Rastriya Uchcharat Shiksha Abhiyan (RUSA) at University of Lucknow.
- Member of Expert Group meeting for transformation and strengthening the Diploma in Value Added Products from Fruits & Vegetables (DVAPFV) into a Modular Certificate and Diploma Programme by School of Agriculture, IGNOU.
- Completed Certificate Course on Good Agricultural Practices for Increasing Farm Productivity, Safe Sustainable Production And Market Access from APO (1st December, 2014 to 3th April, 2015).

- Member, National Advisory Committee, National Conference on Advances in Food Science and Technology (NCAFST-2016) organized by Shaheed Rajguru College of Applied Sciences for Women
- S. Sehgal “A Laboratory Manual of Food analysis” ISBN 978-93-84588-84-7, IK International, India.
- Invited Speaker for presentation titled “Consumer perception and attitudes about the Probiotic foods in Indian market “at 7th Indo-Global Summit and Expo on Food & Beverages (Food India-2015) on 8-9th October, 2015 at New Delhi.
- Invited Speaker for presentation on “ Microbial hazards associated with the fresh produce sold in retail outlets of West Delhi and remedies for their control “at the National Conference on Food Safety and Consumer Safety held at University of Lucknow on 21- 22nd Feb. 2016.
- Selected and participated in the International Training Program on Leadership and Career Development for Women Scientists & Technologists held from August 28th to September 1st 2015 at IISER, Pune.
- Participated in the Short term course on " Trends In Harnessing Food Safety and Quality: Indian Prospective" held from 1-4 December, 2015 at IIT Delhi.
- Attended a Workshop-cum-Camp on Foldscope, an origami microscope at Sri Venkateswara College on 16th December, 2015 organized by DBT and University of Stanford.
- Associate Editor of the “Probiotic Association of India” Newsletter
- Participation and Poster Presentation titled “Emergence of Psychobiotics as a cure for depression” in National Symposium on Lifestyle Disorders (NSLD): Understanding the Molecular Mechanism, 28th – 29th January 2015 at Shivaji College, University of Delhi, Delhi.
- Coordinated the First level training program for the student volunteers of Street Food Vendor under Surakshit Khadya Abhiyan on 5th February 2016 at Bhaskaracharya College of Applied Sciences and the training on 20th January, 2016.
- Attended the Technical Symposium on Food Safety Science in collaboration FSSAI - USFDA, held on 28th September, 2015 at India Habitat Centre, Lodhi Road, New Delhi.

Dr. Eram S. Rao

- E. S. Rao; “Emerging Trends in Food Processing and Product Development” in Indian Food Packer, Vol. 69, No.2 , pg 26-35, March- April 2015.

- E.S. Rao; Report of National Seminar on “Importance of Nutrition in the Development of Processes Food” – Protein Foods and Nutrition Development Association of India Bulletin, Sept, 2015.
- E.S. Rao; Report of National Seminar on “Social Protection through Food Processing” at the World Food Day in Agribusiness & Food Industry, Vol.12 Issue 11, Nov. 2015.
- E.S. Rao; “Achievements in the Food Processing Sector vis-a- vis the Vision-2015 & Future plans for the sector” in Indian Food Packer, Vol.69 No.6, pg 96- 105 Nov-Dec, 2015.
- Presented a paper at Ahaar National Seminar on “Technology & Engineering Challenges in the development of Food Processing Industry in India” N. Delhi, 12th March 2015 on “Emerging Trends in Food Processing and Product Development”.
- Presented a paper at the CII 10th Food Safety and Quality Summit at New Delhi on “Food Safety Forewarning: Food Safety and Hygiene practices of Food Handlers: A case study of Delhi street food vendors”- Master Classes on “Innovative Tools and Techniques for Food safety Forewarning” 1-2nd December, 2015.
- Presented a paper at a National Seminar on “A decade of Progress, Challenges and Opportunities in the Food Processing Sector- Perspective 2015”- 17th Dec, 2015 at New Delhi on “Achievements in the Food Processing Sector vis-a- vis the Vision-2015 & Future plans for the sector”.
- Presented a paper at a National Seminar on “Role of Prebiotics and Probiotics in Healthy Lifestyle” on 22nd Jan, 2016 at Amity Institute of Food Technology.
- Presented a paper at a Pre-Conference International Conference Workshop on Occupational and Environmental Health on “Health centered Intervention: Nutritional supply” on 5th Feb, 2016 on the theme “Disaster and Climate Resilient Public Health System: Risk Analysis, Planning and Crisis Management”.
- Poster presentation on “Synthesis of a novel biodegradable polyblend for food packaging” at a National seminar on “Polymer Modification, Processing and Characterization” on 25th Jan, 2016 at Bhaskaracharya College of Applied Science, University of Delhi.
- Poster presentation on “Synthesis and characterization of biodegradable thermoplastic polyester film for food packaging” at the 5th National Symposium on “Advances in Chemical Sciences” at Guru Nanak Dev University, Amritsar on 2nd-3rd Feb, 2016.
- Presented a poster on “Synthesis, biodegradation and food compatibility of thermoplastic terpolyester” at a National conference on “Nanoscience- opportunities and challenges” at Maitreyi College, University of Delhi.

- Poster presentation on “Development of cookies with biodegradable packaging material for diabetics” at the National Conference on “Food Processing and Technology: Current Status and Future Prospects (NCFPT-2016)” on 25-26 February, 2016 organized by the School of Bioengineering and Food Technology, Shoolini University, Solan (HP).
- Attended “Business Models for Securing Nutritional outcomes” under Swasth Bharat Sashakt Bharat National Nutrition program organized by CII- FACE and GAIN on 25th Aug, 2015.
- Attended Scientific conference on “Low calorie/ Non- Nutritive Sweeteners: Uses and Safety” organized by ILSI, India on 15th Sept, 2015.
- Attended “Global Convention for Food Business and Industry” at the 9th FICCI Food World India on 3rd Dec, 2015
- Attended Bakery workshop on Crafts Baker under PMKVY and NSDC at – Assocom Institute of Bakery Technology and Management, from 7th – 14th Dec, 2015
- Organized National Seminar on “Importance of Nutrition in development of Processed Foods”- during the National Nutrition week celebration in association with AFST (I) Delhi chapter at BCAS on 2nd Sept, 2015.
- Organized National Seminar on World Food Day 16th October, 2015 on “Social Protection and Agriculture- Role of Cooperatives & Food Processing Industries” on behalf of AFST (I) Delhi chapter and National Cooperatives Union of India.
- Organized National Consumer Day on the theme “ Safe and Healthy Food: Combating Food Adulteration” on 23rd Dec, 2015 in collaboration with Department of Food Supplies & Consumer Affairs, Govt. of NCT of Delhi in association with AFST (I) Delhi Chapter and Consumer Voice.
- Organized Indian Dietetics Day on 10th Jan, 2016 in collaboration with Indian Dietetic Association of India on the theme “Making Food Safe to Eat”.
- Launched the First E- Newsletter of Association of Food Scientists and Technologists of India, Delhi Chapter. It was formally launched on 16th Oct, 2015, Vol.1, Aug-Oct, 2015.
- Developed Website <http://www.afstidelhi.org/past.html> of Association of Food Scientists and Technologists of India, Delhi Chapter. It was formally launched on 22nd Jan, 2016.
- Subject expert in Delhi University Inspection committee for Food Technology- 27.4.15.
- Subject expert in Board of Studies for Lucknow University for M.Sc. Food Processing and Food Technology for establishment of Innovation Centre in Food Processing and Food Technology under Rastriya Uchcharat Shiksha Abhiyan (RUSA).
- Subject expert in Board of Studies NIFTEM for B Tech and M Tech in Food Science and Technology-7-8th May, 2015.

- Subject expert in Selection committee for Junior Research Fellow Interview 8.7.15 at NIFTEM, Kondli Haryana.
- Subject expert in Board of studies for Amity Institute of Food Technology, Amity University, UP 18.6.15.
- Reviewer for the Royal Society of Chemistry Title: Application of Electronic Tongue in Food Processing- AY-MRV-10-2015-002724- Prof. Craig Banks Associate Editor, Analytical Methods.
- Elected president of Association of Food Scientist and Technologists of India, Delhi Chapter- 24th July, 2015.

Dr. Meenakshi Garg

- Principal Investigator in UGC Major Project entitled “Effect of religious fasting on weight loss of overweight and obese Indian adults”. Final report of the project has been submitted in January 2016
- Departmental Coordinator of Star College Scheme, DBT, GOI from October 2015.
- S. D. Sadhu, A. Soni and M. Garg; Thermal Studies of the Starch and Polyvinyl Alcohol based Film and its Nano Composites; Journal of Nanomedic Nanotechnol 2015, S7:002 doi:10.4172/2157-7439.
- M. Garg, S. Wason & S. G. Varmani. “To Study Physical Activity Levels, Body Composition and Association of Body Mass Index with Anthropometric Measurements in Young Indian Adults”; Intl. J. of Pharm. and Integ. Life Sci., 2015, Vol. 3(8), Pages 36-50.
- M. Garg, P. K. Sabharwal, S. Sharma, S. G. Varmani and S. D. Sadhu. “Evaluation of Mathematical Models to Describe Thin-Layer Drying and To Determine Drying Rate of Potato Peels Using Tray Drying”; Intl. J. of Sci. Eng. and Appl. Sci., 2015, Vol. 1(7), Pages 1-15.
- M. Garg, S. Wason & S. G. Varmani. “Understanding Physical Activity and Quality of Life among Young Indian Adults”; Intl. J. of Pharm. and Integ. Life Sci., 2015, Vol. 4(1), Pages 16-32.
- S. D. Sadhu and M. Garg; Preparation and Thermal and Morphological Characterization of Nanocomposite Based on Phenol Formaldehyde – Nylon Thermoset IPN, 2015, Volume 3, Issue 10, 505 - 510.
- Presented a paper entitled “Nutritional Status of North Indian Obese Young Adults” at the 4th International Conference on “Obesity and Weight Management” in Atlanta, U.S.A December 7-9, 2015

- Attended a short term course on Trends in Harnessing Food Safety and Quality: Indian Prospective 1st - 4th December, 2015 conducted by Centre for Rural Development & Technology Indian Institute of Technology Delhi.
- Attend 2nd National Conference on Plastics Packaging –the Sustainable Choice on January 19th, 2016 at FICCI, New Delhi.
- Attended National Conference on “Packaging for Better Living”, 19th - 20th February 2016 organized by Indian Institute of Packaging at The Eros Hotel, Nehru place, New Delhi-19.

Dipti Sharma

- Attended World Food Day celebrations and seminar on 16 October 2015 organized by AFST (I) Delhi chapter at NCUI, Auditorium, August Kranti Marg, Khel Gaon, New Delhi.
- Undergone training on Development of Functional Food Products through Extrusion Processing, organized by the Division of Food Science and Post Harvest Technology, Indian Council of Agricultural Research from 5-7 November 2015.
- Attended 10th CII National Food Safety and Quality Summit on 01st December 2015.
- Attended level one training for street food vendors under Surakshit khadya Abhiyan organized by CII on 5th February 2016.

Dr. Sakshi Khurana

- Attended World Food Day celebrations and seminar on 16 October 2015 organized by AFST (I) Delhi chapter at NCUI, Auditorium, August Kranti Marg, Khel Gaon, New Delhi.
- Completed a short term course on Trends in Harnessing Food Safety and Quality: Indian Prospective 1st - 4th December, 2015 conducted by Centre for Rural Development & Technology Indian Institute of Technology Delhi.

Department of Instrumentation

Department of Instrumentation has organized various activities in the academic year 2015-2016:

Expert Lecture Series on: (1) “Build your own Smart Device using Raspberry Pi” by Dr. S. Ramanarayana Reddy (HOD) CSE Department, IGDTU for Women, Kashmeri Gate, Delhi and (2) "Recent Advances in Sensor Technologies for Better Health Care" by Prof. V.R. Singh, Director, PDM Educational Institutions.

Industrial visits were carried out to: (1)“Shriram Institute for Industrial Research” to give live exposure and brief demonstration of instruments like Atomic Absorption Spectroscopy (AAS) in Instrumentation Lab, Glass Viscometer, Dead Weight Tester, Torque Wrench Calibration System and Digital Tachometer in Calibration Lab (2) “University Science Instrumentation Centre (USIC)” for B.Tech. VI Sem. students to give exposure on various Analytical Instruments like Nuclear Magnetic Resonance (NMR), Mass Spectroscopy, Infrared Spectroscopy, Thermo-Gravimetric Analysis (TGA), Differential Scanning Calorimeter (DSC).

Inter-College Quiz Competition “Brain War” was organized during College Annual Cultural Fest ‘Srijan 2K16’ in which students from different Colleges and Universities participated and won exciting prizes.

Academic Achievements of the Faculty

Dr. Geeta Bhatt

- Pawan Kumar, Geeta Bhatt, Balaram Pani, Shweta Dua, Ankush Mittal & Diwakar; "Characterizing DNA Assisted Dispersion and DNA-SWNTs Hybrids using Photoluminescence"; Elixir International Journal,2015,Pages 33188-33193.
- Anil Rathi, Rakesh, Manoj Kumar, Geeta Bhatt, Avinashi Kapur; “Analysis of chromium clad optical waveguide for TE pass polarizer using polymer buffer layer”; International Journal of Engineering and Applied Sciences, July. 2015. Vol. 7, No. 02, Pages 31-36.
- Shakti Sharma, Harish Parthasarathy, AkashTayal, Geeta Bhatt, Manoj Khanna and Updesh Sharma; “An approach towards approximation of the Design of Quantum Gate, International Journal of Advanced Technology and Engineering Exploration”, July-2015,Volume-2, Issue-8 Page 117-121.
- Renu Baweja, Geeta Bhatt, Manoj Khanna, Balaram Pani; “Mobile Ecosystem in Delhi-NCR: A perspective of Consumer Awareness towards E-Waste”; 5th International symposium on Fusion of Science and Technology held at New Delhi during 18th Jan 2016 -22nd Jan 2016.
- Manoj Khanna, Geeta Bhatt, Pawan Kumar, MATLAB Essentials for Problem Solving; PHI, ISBN-978-81-203-5175-2.

Dr. Anil Rathi

- Anil Rathi, Rakesh, Manoj Kumar, Geeta Bhatt, Avinashi Kapur; “Analysis of chromium clad optical waveguide for TE pass polarizer using polymer buffer layer”; International Journal of Engineering and Applied Sciences, July. 2015. Vol. 7, No. 02, Pages 31-36.

Ms. Shweta Dua

- Shweta Dua, Balaram Pani & Pawan Kumar;" Development of Forehead Probe for Brain Oximeter"; Elixir International Journal, 2015, Pages 30097-30100.
- Pawan Kumar, Geeta Bhatt, BalaramPani, Shweta Dua, Ankush Mittal & Diwakar; "Characterizing DNA Assisted Dispersion and DNA-SWNTs Hybrids using Photoluminescence"; Elixir International Journal,2015,Pages 33188-33193.
- Developed two e-lessons of "Signal and Systems" for Institute of Lifelong Learning, University of Delhi, 2015, ISSN 2349-154X.

Ms. Shakti Sharma

- Shakti Sharma, Harish Parthasarathy, AkashTayal, Geeta Bhatt, Manoj Khanna and Updesh Sharma; "An approach towards approximation of the Design of Quantum Gate, International Journal of Advanced Technology and Engineering Exploration", July-2015,Volume-2, Issue-8 Page 117-121.
- Shakti Sharma, Updesh Sharma, Shankar Dutta, Design, Simulation of RF MEMS series switch upto S band, International Journal of Engineering and Technical Research (IJETR) , June 2015, Volume-3, Issue-6, Page-205-208.
- Visit to University Science Instrumentation Centre (USIC) for B.Tech. VI sem student to get exposure on various Analytical Instruments like NMR, Mass Spectroscopy, IR Spectroscopy, TGA, DSC, etc on 15th, 16th Feb 2016.
- A Lecture organized on "Build your own Smart Device using Raspberry Pi" Speaker Dr. S. Ramanarayana Reddy, HOD, CSE Dept, Associate Professor, and IGDTU for Women on 7th August, 2015.

Sh. Manoj Kumar

- Anil Rathi, Rakesh, Manoj Kumar, Geeta Bhatt, Avinashi Kapur; "Analysis of chromium clad optical waveguide for TE pass polarizer using polymer buffer layer"; International Journal of Engineering and Applied Sciences, July. 2015. Vol. 7, No. 02, Pages 31-36.

Sh. Rakesh Kumar

- Anil Rathi, Rakesh, Manoj Kumar, Geeta Bhatt, Avinashi Kapur; "Analysis of chromium clad optical waveguide for TE pass polarizer using polymer buffer layer"; International Journal of Engineering and Applied Sciences, July. 2015. Vol. 7, No. 02, Pages 31-36.

Dr. Amandeep Kaur

- Kaur, I. Singh, J. Kumar, C. Bhatnagar, S. K. Dixit , P. K. Bhatnagar, P. C. Mathur, J. A. Covas and M. C. Paiva; “Enhancement in the performance of MWCNT:PMMA composite thin film ethanol sensor through appropriate nanotube functionalization”, Material science and semiconductor processing, 2015, Vol 31, Pages 166-174.
- Kaur, I. Singh, A. Kumar, P. K. Rao, P. K. Bhatnagar; “Effect of Physicochemical properties of analyte on the selectivity of PMMA:functionalizedmultiwalled carbon nanotube composite sensor for detection of volatile organic compounds”, Material science in semiconductor processing 2016, Vol 41, Pages 26-31.

Sh. Pawan Kumar

- Pawan Kumar, Geeta Bhatt, Balaram Pani, Shweta Dua, Ankush Mittal & Diwakar;"Characterizing DNA Assisted Dispersion and DNA-SWNTs Hybrids using Photoluminescence"; Elixir International Journal,2015,Pages 33188-33193.
- ShwetaDua, BalaramPani&Pawan Kumar;" Development of Forehead Probe for Brain Oximeter"; Elixir International Journal, 2015, Pages 30097-30100.
- Manoj Khanna, Geeta Bhatt, Pawan Kumar, MATLAB Essentials for Problem Solving; PHI, ISBN-978-81-203-5175-2.
- Developed two e-lessons of paper "Mathematics-I" for Institute of Lifelong Learning, University of Delhi, 2015, ISSN 2349-154X.

College Library

Growth of Library

Library has a collection of 23132 volumes of books including reference books, 336 bound volumes of journals and 491 CD-ROMS. 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 throughout the year 24X7.

Circulation and Overdue Charges

Library circulation (number of issue and return of books) has reached the figure of 42162 during the period from July 2014 to June 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. During the current financial year the governing body of the college approved the proposal that the collection of overdue charges must be kept as “Miscellaneous Library Development Fund” and utilized for the library development. During the current financial year (as on 9 February 2016) the library has collected a total of Rs. 62801 as overdue charges out of which Rs. 52966 are under “Miscellaneous Library Development Fund”

Library Orientation and Information Literacy Programme

Library organized an Orientation programme for all the students of first year on 20 July 2015. Students were oriented towards library for its collection, services, and facilities etc. in batches. The Orientation programme included an introductory lecture from the librarian and a visit to OPAC and stack racks

BMS	1100 hrs
CS	1120 hrs
EL and IN	1140 hrs
MB	1150 hrs
PS	1200 hrs
FT and PH	1240 hrs

Library Blog

The 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 including

India	20039
United States	1791
Germany	540
Ukraine	358
Russia	389
France	184
UAE	103
Indonesia	76
Japan	79
United Kingdom	60

Library Training

The Library imparted training to students of Library and Information Science.

Future Plans for 2015-16

- Introduce RFID system in the library.
- Design and develop an Institutional Repository of the college using DSpace.
- Study of feasibility of installation of KOHA – open source software.
- Acquire adequate furniture for the library reading room

Academic Achievements of the Faculty

Dr. Ranjeet S Thakur, Librarian

- Resource Person to delivered lecture on “New Education Policy 2015” at Siksha Sanskriti Utthan Nyas (SSUN), Narayana, New Delhi on July 24th, 2015.
- Subject expert at Samarth Siksha Samiti to interview 9 school librarians for their promotions on July 30th, 2015.
- Subject expert at Mata Jai Kaur Public School in the selection committee for the post of librarian on February 27, 2015.
- Attended workshop on New Education Policy on 04 November 2015 at SCERT, New Delhi organized by Directorate of Higher Education, Govt. of NCT of Delhi.
- Nominated Vice Chancellor's nominee, as subject expert in Library and Information Science, to the Board of Studies of Central University of Himachal Pradesh.
- Organized (as Secretary) One day national seminar on “New Education Policy with reference to higher education” on 24th November 2015 in Faculty of Arts, University of Delhi jointly organized by Department of Sanskrit, University of Delhi and Siksha Sanskriti Utthan Nyas (SSUN), Delhi.
- Organized “Hands-on Training in Biotechnology Tools” at Bhaskaracharya College of Applied Sciences (University of Delhi) during 18th to 28th December 2015.
- Attended and presented a poster in two days National Symposium on “Life Style Disorders: Understanding the Molecular Mechanisms” organized by Department of Biochemistry, Shivaji College, University of Delhi on January 28th -29th, 2016.
- Research Projects: Principal Investigator in the DU Innovation Project 2015-16 ‘To explore the potential of biosimilars as cost-effective therapeutic products’
- Organized ‘Hands-on workshop on data curation and database development’ for our college students in collaboration with CSIR-Open Source Drug Discovery Unit on 22nd February, 2016, at AB-Open Lab of CSIR-Head Quarter, Delhi.
- Organized a lecture on ‘Expansion of protein function through engineering of specialized enzyme’ by Dr. Biswajeet Kundu, Associate Professor, School of Biological Sciences, IIT, and Delhi on 9th February, 2016 in the college.
- Participated and presented two posters ‘Alarming increase in the cases of childhood obesity... (Where are we heading?)’ and ‘Role of gut micro biome in childhood obesity’

in the National Symposium on Lifestyle Disorders (NSLD): Understanding the molecular mechanisms held at Shivaji College, University of Delhi during 28th to 29th January, 2016. One of the posters was awarded consolation prize in the symposium.

- Organized a lecture on ‘Strategies for expressing recombinant biosimilar molecules’ by Dr. Deepak K. Saini, Assistant Professor, Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore on 18th December, 2015.
- Organized ‘Hands-on-Training Program on Biotechnology’ from 18th to 28th December 2015 in the college premises. Students of the department of Electronics, Microbiology and Biomedical Science attended the program to learn basic tools of Biotechnology useful for gene cloning purposes. Students were abreast with various techniques of primer designing for PCR, genomic DNA isolation from stools, plasmid isolation, competent cell preparation and transformation.

Department of Microbiology

Department of Microbiology focuses on overall development of the students. Along with the classroom teaching, efforts are made to expose the students to the cutting edge work going on in various laboratories and industry. This year B.Sc (H) II year students from the department visited Technology Based Incubator (TBI), UDSC. Students interacted with Professor R. K. Saxena and Dr. Saurabh Saran and learned the intricacies of fermentation technology from them. Departments of Microbiology and Biomedical Science jointly organized a lecture titled “Personal Genomics for Precision Medicine” by Dr. Vinod Scaria of CSIR-IGIB on 17th February 2016. In his lecture Dr. Scaria talked about exome sequencing and its applications for detection and cure of diseases.

“Sukshmjeev” the Department of Microbiology society organizes various symposia, festivals, lectures in the college. This year a one day symposium is being planned on the theme “Antibiotic Resistance- A Major Global Threat” along with the yearly microbiology fest ‘Microquest’ on 16th March 2016. Prof. J. S. Viridi, UDSC, have agreed to deliver lectures for the same. Various events such as poster session, streak art and quiz will also be held during this fest.

Academic Achievements of the Faculty

Dr. Vijay K. Nalla

- Nalla VK., Khanduri D., Jha M.K., Chahar.M., SenGupta A.K.,(2015) “Role of a novel microbial consortium in treatment of waste and it’s effect on the plant growth and yield-

A study on Tomato crop” in Journal of Agro Ecology and Natural Resource Management (ISSN: 2394-0794) Vol 2, Issue 5; July-September 2015 pp. 337-340.

- Siddharth Srivastava, Anusha Chaudhary, Deepali Vaid, Deepika Rana, Lakshmi Rana, Monika Yadav, Anu Anmol, Nishant Jain, Akanksha Agarwal, Ravinder Singh, Krishna Dutt, Siddharth Sirohi, Divya Bajaj, Yogender Pal Khasa, Vijay Kumar Nalla (2015) Identification of Novel Microbial Consortia for Rapid Degradation of Synthetic Polymers. Proceedings of 3rd World Biodiversity Congress, Serbia 26th-29th October, Serbia.
- Nalla VK., Khanduri D., Jha M.K., Chahar. M., Sen Gupta A.K.,(2015) “Role of various microbial consortia in treatment of waste & synthetic polymers and their effect on the plant growth and yield” International Journal of Pharma and Biosciences (IJBPS) (impact factor 5.121) (communicated).
- Kumari M., Datta A., Nalla V.K. (2015)Comparative genomics of bidirectional promoters in *Candida albicans* and *S.cerevisiae*” in International Journal of Pharma and Biosciences (IJBPS) (impact factor 5.121) (communicated).
- Completed a UGC-sponsored Refresher course in Environmental and Earth Sciences from Centre for Professional Development in Higher Education (University of Delhi) from 13th Oct to 4th November 2015.
- Member-organizer of 9th National Conference on "Solid State Chemistry and Allied Areas (ISCAS - 2015) held from 8th - 10th May 2015 at Delhi University Conference Centre.
- Shortlisted to attend a three day workshop on “6th workshop on Bioinformatics and Molecular Modelling in drug design” held from 21st to 23rd January 2016 at Bioinformatics Facility, of DBT sponsored Dr B R Ambedkar Centre for Biomedical research.
- Attended a National Conference on Innovative Research in Agriculture, Food Science, Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity, Environmental Engineering and Climate Change (AFHABEC-2015) held at Jawaharlal Nehru University from 31st Oct to 1st November 2015.
- Presented a research paper titled “Role of Microbial consortium in treatment of waste and its effect on the plant growth and yield-a study on tomato crop”.
- Mentored a research project titled “Comparative genomics of bidirectional promoters in *Candida albicans* and *S.cerevisiae*”, for Ms. Manisha Kumari, M.Sc Applied Microbiology, Banaras Hindu University (BHU) from 7th Jan 2015 to 1st July 2015. Invited to participate and present research work in the International Conference on Biotechnology and Nanotechnology (BIO-NANO 2016) organized by Amity University, Gwalior from 10th Feb to 13th Feb 2016.

Dr. Purnima Anand

- Organized a Hands-on training in Biotechnology Tools (18th - 28th Dec'2015) at Bhaskaracharya College of Applied Sciences, University of Delhi, Dwarka.

Dr. Ruchi Gulati Marwah

- G. Verma, Y. Singh, Anjali, N. Sabharwal, A. Agarwal, G. Mongia, I Kaur and R. Marwah. "A Short Review on Microbial Fuel Cell Technology and a Proposed Approach for Generation of Electricity using Waste Water Treatment". National Conference on Inspired Learning held at Maharaja Agrasen College (DU) during 16th - 17th October 2015.
- Attended a workshop on Fold scope Microscope at Sri Venkateswara College, University of Delhi organized by DBT, GOI on 16-12-15.

Dr. Pawas Goswami

- P. Sharma, S. K. Tomar, V. Sangwan, P. Goswami and R. Singh; "Antibiotic Resistance of Lactobacillus sp. Isolated from Commercial Probiotic Preparations; J. of Food Safety, 2015, Vol. 36, Pages 38-51.
- Attended the short-term course on Trends in Harnessing Food Safety and Quality: Indian Prospective under Quality Improvement Programme held from December 1-4, 2015 at CRDT, IIT Delhi, and New Delhi-110016.

Dr. Tejpal Dhewa

- V. Singh, and T. Dhewa; "Prevalence and Antibiotic Resistance Profiling of Methicillin Resistant Staphylococcus aureus (MRSA) Isolated from Clinical and Environmental Samples"; Oct.J. of Biosci, 2015, Vol, 3(2), Pages: 86-88. ISSN 2321 – 3663.
- T. Dhewa; "Biosensors for Environmental Monitoring: An Update" Oct. J. of Environ. Res, 2015 Vol. 3(2), pages: 212-218.ISSN 2321 3655
- T. Dhewa; "Nanotechnology Applications in Agriculture: An Update" Oct. J. of Environ. Res, 2015 Vol. 3(2), pages: 204-211.ISSN 2321 3655.
- Tain, S. Prajapati, S. JhaS. Jain, T. Dhewa, J. Kumar and A. Kumar; "Essence, Trends and proposed Design for Microbial Sensing" National Conference on Inspired Learning held at Maharaja Agrasen College (DU) during 16th - 17th October 2015.
- Attended the short-term course on Trends in Harnessing Food Safety and Quality: Indian Prospective under Quality Improvement Programme held from December 1-4, 2015 at CRDT, IIT Delhi, and New Delhi-110016.

Dr. Neha Bansal

- Attended 10th Annual Symposium on Frontiers in Biomedical Research -2015 (FBR-2015) Comprehending Genes@work: From Structural Biology to Drug Discovery held organized by Dr. B.R. Ambedkar Centre for Biomedical Research, University of Delhi (29th - 31st Oct'2015).
- Attended National Symposium on Lifestyle Disorders held at Shivaji College (28th - 29th January'2016)
- Organized a Hands-on training in Biotechnology Tools (18th - 28th Dec'2015) at Bhaskaracharya College of Applied Sciences, University of Delhi, Dwarka.

Department of Physics

The Physics Society organized “Quiz Gravity” for students on January 22, 2016 in SRIJAN 2K16. The event was not only attended by the students but by the teachers also. The way event was organized, proved to be a very good platform for interaction of students and teachers on various topics. Feedback invited from participants was very much encouraging. The event ended with a vote of thanks. A team of our students of B.Sc (H) Physics and Faculty members visited “Inter University Accelerator Center” (IUAC, JNU Campus, New Delhi) on National Science Day. This year one of our students Mr. Shubham Malik Thakur got selected in “Kishore Vaigyanik Protsahan Yojana (KVPY)”. He is now pursuing Ph.D in IISER Pune. Department of Physics also celebrated “Swachhata Diwas” on September 30, 2015. The students, Teachers and non-Teaching staff actively participated in the cleanliness drive in the department on this occasion.

Academic Achievements of the Faculty

Dr. Anand Bharadvaja

- Received Teaching Excellence Award for Innovation during the academic session 2014-15 on 01 May 2015 for the Innovation Project Agro-Waste management: From Waste to Wealth from Vice Chancellor, University of Delhi.
- Presented a poster on “Study of electron interaction with molecules in low energy limit using R-Matrix Formalism” in the International Topical Conference on “Charged Particle Collisions and Electronic Processes in Atoms, Molecules and Materials” (q-PACE 2016- 9-11 January, 2016 at Indian School of Mines, Dhanbad, India.

Dr. Vandana Batra

- Attended National Conference on “Packaging for Better Living”, 19th - 20th February 2016 organized by Indian Institute of Packaging at The Eros Hotel, Nehru place, New Delhi-19.
- Resource Person to deliver a lecture on “Emerging Challenges in Higher Education of India” on 16th May, 2015 at Siksha Sanskriti Utthan Nyas (SSUN), Narayana, New Delhi.

Department of Polymer Science

Parag Pentachem conducted campus placement interview of Polymer Science students on 26th March 2015 at the campus and four students were selected and a package of 2.5-3.0 lacs / annum was offered to selected students. Premier Polyfilm Ltd conducted placement interview polymer science students on 6th April 2015 at its head office in coordination with placement cell of the college and four students were shortlisted. An Industrial Visit of B.Tech. Polymer Science V semester students to U-Flex Industries Ltd. (Noida, India) organized on October 7, 2015. In this five faculty (Dr. Sidhharth Sirohi, Dr. Susmita Dey Sadhu, Dr. K.Dutt, Dr. Prem Lata Meena & Dr. Amit Kumar), are also the part of the visiting group the U-Flex Industries Ltd.(Noida, India). B.Tech.. Polymer Science V semester students along with faculty (Dr. Sidhharth Sirohi & Dr Anil Barak) attended V.K Grover memorial lecture on 'Development of Barrier Films in India' organized by Indian Plastics Institute, Delhi Chapter at India International Centre, New Delhi on October 16, 2015. Mr. Rakesh Shah (Ex. Managing Director and presently Advisor of Windmüller & Hölscher India P. Ltd., a subsidiary of Windmüller & Hölscher, Germany) delivered above lecture. A Lecture on Industrial Applications of Additives In Plastics by Dr. G. S. Jha Sr. Manager, R&D (PPD, Supreme Industries Ltd, Pune) On 6.1.2016 (Wednesday). Polymer Science 12 students along with Dr Susmita Dey Sadhu visit to the FICCI to attend 2nd National Conference on Plastics Packaging –the Sustainable Choice on January 19th, 2016 at New Delhi. “PEARLS” organizes one day seminar on “Polymer Processing, Modification and Characterization” on January 25th, 2016 at college campus, in which various eminent speakers gave their presentation/deliberation on polymers. Mr. Dharmesh Gala (Anton Par) discuss ‘Polymer Rheology’, Dr. Parsun Roy (DRDO, New Delhi) delivered a talk on ‘Self Healing Polymers’ and in continuation to this Dr. Bhanu Nandan (IIT, Delhi) presented a lecture on ‘Self Assembly of Block Co-Polymers’. After the lecture series there was poster session on ‘Green Polymers’ in which 12 posters are presented by students.

During the annual college festival, SRIJAN 2016, “PEARLS” Departmental Society of Polymer Science is organizing ‘TECH. QUIZ’ “ABHIGYAN” on January 21, 2016 in which the students actively participated. Eight Students and three faculty members were participated in 5th National Symposium on Advances in Chemical Sciences, February 2nd - 3rd, 2016 at Guru Nanak Dev University, Amritsar, Punjab. In this symposium three posters were presented by students. B.Sc (H) Polymer Science 2nd year students visited Tool Room and Training Centre, Wazirpur Industrial area, New Delhi, on Feb. 9, 2016 along two faculty (Dr Saroj Shukla and Dr Anil Barak) to upgrade their the knowledge of tool designing.

Academic Achievements of the Faculty

Dr. S.K.Shukla

- S. K. Shukla, Sudheesh K. Shukla, Penny P. Govender, Eric S. Agorku, A resistive type humidity sensor based on crystalline tin oxide nanoparticles encapsulated in polyaniline matrix, *Microchimica Acta*, 183(2),(2016)573-580.
- S. K. Shukla, Sagar, Naman, Deepika, Sundaram, Prateeksha, Ankur, Arun, Srishti, Vaishali, Rakesh, Rizwana, A. Bharadvaja and G. C. Dubey, Extraction of Cellulose Micro Sheets from Rice Husk: A Scalable Chemical Approach, *DU Journal of Undergraduate Research and Innovation* ,1(3)(2015)187- 194.
- Neeta Pandey, S.K. Shukla, N.B. Singh, Zinc oxide-urea formaldehyde nanocomposite film as low-cost adsorbent for removal of Cu(II) from aqueous solution, *Adv. Mater. Lett.* 2015, 6(2), 172-178.
- S.K.Shukla, Deepika , G.B. S. Lakshmi, Synthesis of Ni(II) beam irradiated sodium alginate - grafted polyaniline matrix for bioanode, 9th national conference on solid state chemistry and allied areas , 8-10 May 2015, University of Delhi, Delhi, (OP) 040, pp75.
- Rizwana, S. K. Shukla, Anand Bharadvaja, Anku, Arun, Pratiksha, Shrishti, Vaishali, Rakesh, Sundaram, Naman, Deepika, and G.C.Dubey, Development and characterization Biocomposite film rices husk and its application for packaging cookies, 9th national conference on solid state chemistry and allied areas , 8-10 May 2015, University of Delhi, Delhi, (PP) 003, pp103.
- World packaging congress, 9-10, October, 2015, at Hotel Renaissance Convention Centre, Mumbai
- Convener 9th national conference on Indian Association of solid state chemistry and allied areas, Delhi.

Dr. Susmita Dey Sadhu

- M. Garg, P. K. Sabharwal, S. Sharma¹, S. G. Varmani and S. D. Sadhu; International Journal of Scientific Engineering and Applied Science; Vol.1 (7); 2015; P 1-15.
- S. D. Sadhu and M. Garg; Preparation and Thermal and Morphological Characterization of Nanocomposite Based on Phenol Formaldehyde – Nylon Thermoset IPN, 2015, Volume 3, Issue 10, 505 - 510.
- S. D. Sadhu, A. Soni and M. Garg; Thermal Studies of the Starch and Polyvinyl Alcohol based Film and its Nano Composites; Journal of Nanomedic Nanotechnol 2015, S7:002 doi:10.4172/2157-7439.
- S.D. Sadhu and M. Garg; Thermal Studies of The Polyvinyl Alcohol-Starch Nanocomposite, APA 2015 in Rajkot, India, October 29-31, 2015.
- Completed the 1st refresher course in Contemporary Studies in Jawaharlal University from 8th February 2016-4th March 2016.
- Co-ordinator of the One day seminar on “Polymer Processing, Modification and characterization” on 25th January 2016 at BCAS.
- Co-ordinate the students for visit to U-flex, Noida.
- Co-ordinated the students visit to the FICCI conference on 19th January 2016 at New Delhi.

Dr. Sidhharth Sirohi

- Sidhharth Sirohi, Dharendra Singh, Ratyakshi Nain, Dambarudhar Parida, Ashwini K. Agrawal and Manjeet Jassal, Electrospun Composite Nanofibres of PVA Loaded with Nanoencapsulated n-Octadecane, RSC advances 2015, 5, 34377-34382.
- Sidhharth Sirohi, Ratyakshi Nain, Krishna Dutt, Nishant Jain, Ravinder Singh, Piyush Wadhwa, Gajendra Saini and Kamlesh Panwar, Synthesis of Well Dispersed ZnO Nanoparticles for Nanofinishing Textiles and Biomedical Applications in International Conference on Nanostructured Polymeric Materials and Polymer Nanocomposites (ICNPM 2015) held on 13, 14 and 15 November at Mahatma Gandhi University, Kottayam (Kerala), India - Invited Talk.
- Sidhharth Srivastava, Anusha Chaudahary, Deepali Vaid, Deepika Rana, Laksami Rana, Monika Yadav, Anu Anmol, Nishant Jain, Ankansha Agrawal, Ravinder Singh, Krishna Dutt, Sidhharth Sirohi, Diya Bajaj, Yogender Pal Khansa, Vijay Kumar Nalla, “Identification of Novel microbial consortia for rapid degradation of synthetic

polymers”, Oral presentation in World Diversity Congress - (26-29 Oct.2015) – at Mokra Gora, Serbia.

- Sidhharth Sirohi, Krishna Dutt, Ratyakshi Nain, Ashwini K. Agrawal, Naveen Yadav, Astha Gangwar and Shoaib Khan "Synthesis and Characterization of Printable Thermosetting Polyester Films" in National Symposium at Guru Nanak Dev University (GNDU), (2-3 Feb., 2016) at Amritsar.
- Sidhharth Sirohi, Krishna Dutt, Ratyakshi Nain, Ashwini K. Agrawal, Naveen Yadav, Astha Gangwar, Shoaib Khan, Sabita Yadav “Studies on Biodegradability of Thermosetting Polyester Film of Lactic Acid, Maleic Anhydride and Ethylene Glycol” in National Symposium at GNDU, (2-3 Feb., 2016) at Amritsar.
- Anusha Chaudahary, Sidhharth Srivatava, Deepali Vaid, Deepika Rana, Laksami Rana, Nishant Jain, Monika Yadav, Ankansha Agrawal, Ravinder Singh, Anu Anmol, Diya Bajaj, Krishna Dutt, Sidhharth Sirohi, Yogender Pal Khasa, Vijay Kumar Nalla, Identification of Novel microbial inculums for rapid degradation of synthetic polymers in ISCAS-2015 at BCAS, New Delhi.- from 8-10 May, 2015.
- Chaired one technical session in International Conference on Nanostructured Polymeric Materials and Polymer Nanocomposites (ICNPM 2015) held on 13, 14 and 15 November at Mahatma Gandhi University, Kottayam (Kerala), India.
- Coordinator in one-day seminar on “Polymer Modification, Processing and Characterization” organized by “PEARLS”, Departmental Society of Polymer Science on January 25, 2016 at Bhaskaracharya College of Applied Sciences.
- Attended Refresher Course from JNU, Delhi in Environmental Sciences in 2015 (6th April- 1st May 2015).
- Co-ordinated industrial visit of B.Tech. Polymer Science students to U-flex Ltd., Noida.
- Attended the V.K. Memorial Lecture on 'Development of Barrier Films in India' organized by Indian Plastics Institute, Delhi Chapter at India International Centre New Delhi on October 16, 2015 (Friday).

Dr. Krishna Dutt

- Sidhharth Sirohi, Ratyakshi Nain, Krishna Dutt, Nishant Jain, Ravinder Singh, Piyush Wadhwa, Gajendra Saini and Kamlesh Panwar, Synthesis of Well Dispersed ZnO Nanoparticles for Nanofinishing Textiles and Biomedical Applications in International Conference on Nanostructured Polymeric Materials and Polymer Nanocomposites (ICNPM 2015) held on 13, 14 and 15 November at Mahatma Gandhi University, Kottayam (Kerala), India - Invited Talk.

- Sidhharth Srivastava, Anusha Chaudahary, Deepali Vaid, Deepika Rana, Laksami Rana, Monika Yadav, Anu Anmol, Nishant Jain, Ankansha Agrawal, Ravinder Singh, Krishna Dutt, Sidhharth Sirohi, Diya Bajaj, Yogender Pal Khasa, Vijay Kumar Nalla, Identification of Novel microbial consortia for rapid degradation of synthetic polymers, Oral presentation in World Diversity Congress - (26-29 Oct.2015) – at Mokra Gora, Serbia
- Sidhharth Sirohi, Krishna Dutt, Ratyakshi Nain, Ashwini K. Agrawal, Naveen Yadav, Astha Gangwar and Shoaib Khan "Synthesis and Characterization of Printable Thermosetting Polyester Films" in National Symposium at Guru Nanak Dev University (GNDU), (2-3 Feb., 2016) at Amritsar.
- Sidhharth Sirohi, Krishna Dutt, Ratyakshi Nain, Ashwini K. Agrawal, Naveen Yadav, Astha Gangwar, Shoaib Khan, Sabita Yadav "Studies on Biodegradability of Thermosetting Polyester Film of Lactic Acid, Maleic Anhydride and Ethylene Glycol" in National Symposium at GNDU, (2-3 Feb., 2016) at Amritsar.
- Anusha Chaudahary, Sidhharth Srivastava, Deepali Vaid, Deepika Rana, Laksami Rana, Nishant Jain, Monika Yadav, Ankansha Agrawal, Ravinder Singh, Anu Anmol, Diya Bajaj, Krishna Dutt, Sidhharth Sirohi, Yogender Pal Khasa, Vijay Kumar Nalla, Identification of Novel microbial inculums for rapid degradation of synthetic polymers in ISCAS-2015 at BCAS, New Delhi.- from 8-10 May, 2015.
- Member of the organizing committee of the one-day seminar on "Polymer Modification, Processing and Characterization" organized by "PEARLS", Departmental Society of Polymer Science on January 25, 2016 at Bhaskaracharya College of Applied Sciences.
- Visited to U-flex, Noida with B.Tech. 3rd Year Students.

Dr. Prem Lata Meena

- R. Saxena, P.L Meena and S. Tiwari; "Determination of copper in industrial water by innovative flow injection flame atomic absorption spectrometry"; Instru. Sci. and Tech., 2016, Vol.44, Pages 210-222.
- P.L Meena; "Synthesis characterization, printability and food compatibility of Lactic acid based terpolyester film for Food Packaging" presented poster in one day seminar on Polymer Modification, Processing and Characterization on Jan. 25, 2016 organized by PEARLS, Departmental Society of Polymer Science, Bhaskaracharya College of Applied Science.
- P.L Meena; "Synthesis of a novel biodegradable polyblend for food packaging" presented poster in one day seminar on Polymer Modification, Processing and Characterization on Jan. 25, 2016 organized by PEARLS, Departmental Society of Polymer Science, Bhaskaracharya College of Applied Science.

- Attended one day seminar on Polymer Modification, Processing and Characterization on Jan. 25, 2016 organized by PEARLS, Departmental Society of Polymer Science, Bhaskaracharya College of Applied Science.
- Member of the organising committee of the one day seminar on Polymer Modification, Processing and Characterization on Jan. 25, 2016 organized by PEARLS, Departmental Society of Polymer Science, Bhaskaracharya College of Applied Science.
- Visited to U-flex, Noida with B.Tech. 3rd Year Students.

Dr. Anil Barak

- Member of the organizing committee of the one-day seminar on “ Polymer Modification, Processing and Characterization” organized by “PEARLS”, Departmental Society of Polymer Science held on January 25, 2016 at Bhaskaracharya College of Applied Sciences.
- Co-ordinated the students for visit to Anti-tobacco awareness campaign organized by University of Delhi in collaboration with the Ministry of health and family welfare, government of NCT of Delhi on October 27th 2015 at Gandhi Bhawan, University of Delhi.
- Co-ordinated the students for visit to Tool Room & Training Centre on 9th Feb., 2016 at wazirpur industrial area, wazirpur, New Delhi.
- Co-ordinated the students visit to the V.K. Memorial Lecture on 'Development of Barrier Films in India' organized by Indian Plastics Institute, Delhi Chapter at India International Centre New Delhi on October 16, 2015 (Friday).

Dr. Amit Kumar

- N. Gandhi, A. Kumar, C. Kumar, P. Chaudhary, R. Singh and N. K. Kaushik; “Synthesis, characterization, thermal and biological activity of some novel Cadmium (II) – pyridine and purine base complexes”; Main Group Chemistry, 2015, Vol. 15, Pages 35-46.
- N. Mishra, C. Kumar, A. Kumar, M. Kumar, P. Chaudhary and R. Singh; “Structural and optical properties of SnO₂-Al₂O₃ nanocomposite synthesized via the sol-gel route” Materials Science-Poland, 2015, <http://www.materialsscience.pwr.wroc.pl/>, DOI: 10.1515/msp-2015-0101.
- A. Kumar, P. Chaudhary, R. Singh and N. K. Kaushik; “Organotin (IV) complexes of thiohydrazones of phenethylamine: Synthesis, characterization, thermal and biological properties”; Main Group Chemistry, 2015, DOI 10.3233/MGC-150196.

- A. Kumar, K. Yasaki, Md A. Ali, S. Tateyama, N. Takaya, R. Singh and T. Kaneko; “High performance and photo-functional polyimides from 4-aminocinnamic acid via synthesis of 4,4’-diaminostilbene”; Polymer, 2016, Vol. 83, Pages 182-189.
- C. Kumar, N. Mishra, A. Kumar, M. Bhatt, P. Chaudhary and R. Singh; “Structural investigation of nanomixed $x\text{SnO}_2\text{-Al}_2\text{O}_3$ synthesized by sol-gel route”; Appl. Nanosci., 2015, DOI 10.1007/s13204-015-0515-6.
- A. Kumar, N. Yadav, M. Bhatt, N. K. Mishra, P. Chaudhary and R. Singh; “Sol-gel derived nanomaterials and its application: A Review. Research Journal of Chemical Sciences, 2015, Vol. 5 Issue 12, Pages 1-6.
- Organized Tech. Quiz “ABHIGYAN” during SRIJAN-16.
- Organized One Day Seminar on “Polymer Modification, Processing and Characterization”
- Visited UFLEX LTD, A-107-108, Sector – IV, Noida – 201301 along with B.Tech. Polymer Science students (3rd years).

Dr. Manjeet Singh Barwa

- Manjeet Singh Barwa; “Synthesis characterization, printability and food compatibility of Lactic acid based terpolyester film for Food Packaging” presented poster in one day seminar on Polymer Modification, Processing and Characterization on Jan. 25, 2016 organized by PEARLS, Departmental Society of Polymer Science, Bhaskaracharya College of Applied Science.
- Manjeet Singh Barwa; “Synthesis of a novel biodegradable polyblend for food packaging” presented poster in one day seminar on Polymer Modification, Processing and Characterization on Jan. 25, 2016 organized by PEARLS, Departmental Society of Polymer Science, Bhaskaracharya College of Applied Science.
- Manjeet Singh Barwa; “Synthesis and characterization of biodegradable Thermoplastic polyester Film for Food Packaging” Presented poster in Vth National Symposium on Advances in Chemical Sciences at Guru Nanak Dev University, during Feb. 2-3, 2016.
- Attended one day seminar on “Polymer Modification, Processing and Characterization” on Jan. 25, 2016 organized by PEARLS, Departmental Society of Polymer Science, Bhaskaracharya College of Applied Science.
- Member of the organizing Committee of the one day seminar on Polymer Modification, Processing and Characterization on Jan. 25, 2016 organized by PEARLS, Departmental Society of Polymer Science, Bhaskaracharya College of Applied Science.
- Organized Tech-Quiz, “AHIGYAN” during annual cultural festival, SRIJAN-16.

ECA Committee

(Convener: Dr. Vandana Batra)

The ECA committee organized the Independence Day with different activities keeping patriotism as theme like Play, Group Dance, Group Song, Poems, and Rhythmic Yoga etc. The ECA committee along with its clubs organized its annual cultural fest –SRIJAN 2K16 on January 21-22, 2016. The theme of Festival was - “Peace for One and All”. The college was decorated in white flowers symbolizing peace. The two day fest was attended by more than 1500 students from various institutions, universities and colleges of Delhi in more than 20 different events. The highlights of the fest included events like street play, dance face-off, battle of bands, solo singing, mimicry, photography contest and turn- coat debate. Along with various events running all around in the college different departments also organized events like Beg Borrow Steal, Brain War Quiz, Salad Dressing and many more that built up the festive mood. Sachin Gupta, music director/composer/singer along with his Sufi band was the star performer of the fest. There were also interesting fillers which included fashion show, dance performances and poem recitals by audience. Other popular events like duet karaoke, group dance, instrumental solo, kavisammelan, face painting, collage making, anti-tobacco slogan writing competition also saw immense participation. The show concluded on a high note with DJ session. Our college organized “Songs of India” in collaboration with The Culture Council, University of Delhi on February 24, 2016. The “Songs of India” is an Inter-College Group Song competition with a difference wherein only non-film songs are selected from Patriotic/semi classical/Folk/Sufi/devotional/Qawaali categories.

SPORTS

(Convener: Dr. Lalit Kapur)

Our college students participated in various sports events organized by Delhi University and other organizations. Ajay Dhama of physics B.Sc 3rd year represented University of Delhi in North Zone Volleyball tournament and Youth National Volley Ball Championship played at Nagpur. Surender Singh Pal of Food technology B. Tech. 3rd year secured 2nd position in 20 Km walk at inter college athletic meet. College football team for the first time reached in top 12 teams of football in Inter-college football tournament after winning their first 3 matches. 3rd Bhaskaracharya Inter College Cricket Tournament was organized from January 18 to Feb 4, 2016. 12 colleges from Delhi University viz. SVC, RLA, PGDAV, CVS, and Delhi College of Arts & Commerce, Khalsa College (E), Shyamlal College, DDU, and Guru Gobind Singh college of Commerce, NSIT, Bhagat Singh College and Bhaskaracharya College of Applied Sciences participated in the tournament. The tournament was won by RLA College and CVS was runner up. College organized 1st Bhaskaracharya Inter College staff cricket tournament in which 12 University of Delhi Colleges viz. Shyamlal, Desbandu, Miranda, NSIT, Keshavmahavidalya, Aditi, Daulat Ram, Hansraj, Gargi, Venkteshwra, Acharya Narender Dev and Bhaskaracharya College participated. Acharya Narender Dev

College was winner and Desbandhu College was runner up. Many sporting disciplines in men and women section were played in Inter departmental and intra- staff completions viz. Cricket, Basketball, Volley Ball, Badminton Singles, Badminton Doubles, Table Tennis Singles, Table Tennis Doubles, Chess, Kabaddi, Badminton Staff, Table Tennis staff, and Athletics. This year Kabaddi was introduced for the first time in the college. Sports day of the college was celebrated on February 12, 2016. The events for the students in the athletics were Running, Long jump, Shot put and 4 X 200 m relay.

CAREER COUNSELLING CELL

(Convener: Dr. Inderbir Kaur)

A Lecture was organized on the topic “Career prospects of health and hospital management” by IIHMR, Delhi on February 10, 2016. Key speakers were Dr. Sumesh Kumar, Assistant Professor with IIHMR and Ms. Divya Aggarwal, Assistant Professor with IIHMR, a former student of our college. A seminar was organized on the topic “Career after graduation and Interview Tips” by Mr. K Ramachandran, an alumnus of IIM Kolkata, from T.I.M.E Education, Delhi on February 1, 2016. This program covered tips for students on how to face interviews and how to improve personality.

PLACEMENT CELL

(Convener: Dr. Sidharth Sirohi)

A pre placement session of TCS, the largest software services company in India, was held on August 26, 2015. The Ignite team of TCS provides a free, web-based learning platform called “Open Ignite” which is the largest community of science graduates in the country. It helps the science students to launch their career by improving their chances of being employed. This year 27 final year students of our college have enrolled in Central Placement Cell of University of Delhi and 141 students of 1st and 2nd year were enrolled for internship. Placement cell of the college made necessary arrangements for faculty and students to watch the live telecast of the launch of the “Start-up India program” by the Govt. of India. Around hundred students watched the program live in college. Parag Pentachem conducted campus placement interview of Polymer Science students on March 26, 2015 at the campus and selected four students. A package of 2.5-3.0 lakhs per annum was offered to the selected students.

SWACHHTA COMMITTEE

(Convener: Dr. Pawas Goswami)

Swachhta Committee is actively involved in the Swachh Bharat Mission initiated by government of India on October 2, 2014. Apart from monitoring regular activities related to cleanliness, committee conducts special cleanliness drives to make students aware and responsible for cleaning. One such drive was conducted at Microbiology Department on

August 12, 2015. In this drive faculty members, staff and students of B.Sc (H) III year Microbiology department participated and carried out cleaning activities in the Microbiology lab. Swachhta drives were conducted in various departments of the college to commemorate Gandhi Jayanti and Swachhta Week. A group discussion event on the title “Swachh Bharat is a New Revolution in India” was held in coordination with the debate club during the annual college fest ‘Srijan’ on January 22, 2016.

GANDHIAN STUDY CENTRE

(Convener: Ms. Shweta Gupta)

With an aim of inculcating values of Mahatma Gandhi in youth and to revive the spirit of love, truth and non-violence, several activities were organized throughout the year. A Quiz Competition was organized on February 3, 2016 and a Debate Competition was organized on March 2, 2016. Students of various Departments participated in the competition and won prizes.

VIVEKANAND VICHAR MANCH

(Convener: Dr. Ranjeet S. Thakur)

In order to propagate the philosophy of youth icon Swami Vivekananda, the Vivekananda Vichar Manch celebrated the Universal Brotherhood Day on September 14, 2015. On this occasion, a lecture and presentation on “Challenges before Present Day Youth” was delivered by Swami Chidrupananda ji, Director, All India *Chinmaya Yuva Kendra*. The VVM celebrated National Youth Day on January 12, 2016. The Programme included a lecture by Convener of VVM Dr. Ranjeet S Thakur on “Vivekananda – Life and Contribution” and recitation of poetry by the chief guest for the programme Dr. Dayal Singh Panwar, Poet and Assistant Professor, Lal Bahadur Shastri Sanskrit Vidyapith.

BHASKARACHARYA CELL

(Convener: Dr. Ragini Jindal)

Bhaskaracharya Cell of the college aims to create awareness and inculcate interest among students regarding works of Bhaskaracharya and great Indian scientists and contributors. The cell celebrated Bhaskaracharya Day on January 18, 2016. Various activities such as ppt presentation on Bhaskaracharya, screening of documentary - The Quantum Indians, Vedic mathematics workshop, debate competition on ‘Science has ceased to serve humanity’, Sudoku solving competition and display of works related to Bhaskaracharya were organized.

ANTI-TOBACCO CELL

(Convener: Dr. Siddharth Sirohi)

The Anti -Tobacco Cell of the college is actively involved in organizing events to spread the awareness regarding the ill effects of consuming/inhaling tobacco based products. In this regard, Dr. Anil Barak (member of the Anti -Tobacco Cell) and the students of Polymer Science attended a lecture on Anti -Tobacco awareness campaign organized by University of Delhi in collaboration with the Ministry of health and family welfare, government of NCT of Delhi on October 27, 2015 at Gandhi Bhawan, University of Delhi. A lecture was organized by the Anti -Tobacco Cell in the college premises on January 14, 2016 and Dr. S.K. Arora, Additional Director, DGHS, Government of Delhi, was invited to deliver a talk on the harmful effects of tobacco consumption. During the annual college festival, SRIJAN 2016, the Anti- Tobacco Cell organized a slogan writing competition on January 21, 2016. Anti-Tobacco Cell organized an oath taking ceremony on the occasion of annual sports day of the college on February 12, 2016 for which Dr. S.K. Arora, Additional Director, DGHS, Government of Delhi, was invited.

WOMEN DEVELOPMENT CELL (WDC)

(Convener: Dr. Vandita Gupta)

Women empowerment is needed to increase the spiritual, social, political and economic strength of women. This leads to development of self-confidence in them. The major aim of WDC of BCAS is on empowering girls since it will lead to a change in the society which would be sustainable and will be in effect for ages to come. The activities executed towards this aim were organizing an eight day workshop on self defense for girl's students in association with SPUWAC of Delhi Police. An essay writing competition on "Beti Bachao, Beti Padhao" was conducted by WDC. Furthermore, slogan writing competition on "Gender Equality" also took place.

NATIONAL SERVICE SCHEME (NSS)

(Convener: Dr. Avneesh Mittal)

The best way to find yourself is to lose yourself in the service of others.

-Mahatma Gandhi

NSS unit of the college constituting 89 volunteers believes that knowledge and energies of the students should be channelized for the services of society. NSS unit celebrated the NSS day on September 24, 2015 by initiating a cleanliness drive in the college campus, whereby student volunteers were engaged and motivated to have a clean environment in their surroundings. NSS unit also participated in the 'Run for Unity' on October 31, 2015 on the occasion of 140th birth anniversary of Sardar Vallabhbhai Patel. The day is being celebrated as 'Rashtriya Ekta Diwas' (National Unity Day). Books, Clothes and toys were collected from the staff and students and were donated. On February 10, 2016 Various competitions like Poster making Competition on Current Environmental Issues using recycled sheets, Best out of waste making Competition and Slogan writing competition on Even Odd car scheme

in Delhi were organized towards creating awareness among students. NSS unit in association with Eco club celebrated Sarasvati Pooja on the occasion of Basant Panchmi on February 12, 2016 as a 'Vasantotsav'. The celebration started with "Vedic Hawan", followed by plantation drive by final year students. A total of 78 students planted a tree with an oath to nurture the same during their stay in the college and also to plant a tree on each of their upcoming birthdays. These plants will be further adopted by junior students and preserved in the memory of actively participating students. The celebrations ended with an enthralling lecture cum documentary presentation by Dr. Seema Upadhaya, President Sankalp Foundation, on the role of "Global warming in Himalayan Biodiversity".

MUSIC CLUB

(Convener: Ms. Shakti Sharma)

The Rock Band Group 'Dhriti' mesmerized audience during Inter college cultural festival 'Srijan 2k16'. 'Dhriti' participated in IIT Delhi Annual Festival 'Rendezvous'. 'Dhriti' performed as 'guest performer' in many colleges. Dhriti performed in the prestigious event Bharat Rang Mahotsava organized by National School of Drama. Choir group 'Moksha' performed during Independence Day celebration. The group performed in inauguration of various events. Moksha participated and won third prize in 'Songs of India' organized in Collaboration with Culture Council, University of Delhi on February 24, 2016.

DRAMATICS AND FINE ARTS CLUB

(Convener: Dr. Prem Lata Meena)

Dramatics and Fine Arts Club of Bhaskaracharya College of Applied Sciences organized the following activities: Dramatics club Darpan organized a stage play on August 14, 2015 on the occasion of Independence Day Celebration. The club Darpan also organized street play and Mimicry in cultural fest SRIJAN-2016 on January 21 and 22, 2016.

The Fine Arts Club 'Aakriti', organized art gallery and poster making competition on August 14, 2015 on the occasion of Independence Day Celebrations. For poster making topic was given on the spot. The Club "Aakriti" also organized on the spot Rangoli making competition, Abstract making and on the spot face painting competition on the occasion of cultural fest SRIJAN-2016 on January 21 and 22, 2016.

FILM CLUB

(Convener: Sh. Rakesh)

'BCAS FILM CLUB' has been working continuously to bring the film enthusiasts together. The club not only aims to entertain but to encourage and inspire the students from time to time with the screening of inspirational films related to various subjects like National Pride, Academic Excellence, Science & Technology and Wild Life. Screening of the art movie SHIP OF THESEUS in the college was an effort towards it. Film club also participated in the

short movie competition organized by the YES FOUNDATION. The club members attended the seminar organized by the film society of Jesus and Mary College.

YOGA CLUB

(Convener: Dr. Sujata Bhardwaj)

Yoga club organized a talk on "Yoga for stress management" and also a "Yoga Quiz". The students were educated on various aspects of yoga, and how practicing yoga can help in improvement of student life. "Yog Shailey" yoga competition was organized in inter college cultural fest "SRIJAN." "International Yoga day" saw an enthusiastic participation by teaching and non-teaching staff. During Independence Day celebrations yoga club organized "Rhythmic Yoga" performance which was appreciated by all. The Yoga club and NSS organized a demonstration and participative 45 minutes session on Yoga-asanas. "Yoga for Memory and Concentration" was also a participative yoga session. The students were also briefed about the benefits of these asanas in their life. Yoga club also participated in College fest "SRIJAN 2016" inaugural function by giving a rhythmic yoga performance.

ECO CLUB Pranahi

(Convener: Dr. Shvetambri)

The earth, the air, the land and the water are not inheritance from our fore fathers but on loan from our children so we have to handover to them at least as it was handed over to us.

-Mahatma Gandhi

Pranahi, the Eco Club was involved in various activities towards creating environment consciousness. International Ozone Day was celebrated on September 18, 2015. The club organized a lecture by Dr. B. C. Sabata (Sr. Scientific Officer, Ministry of Environment) on Ozone protection followed by a Nukkad Natak. A plethora of activities were organized, via greeting card making competition out of waste materials, Flower pot decoration competition, Collage making on recycled sheets etc. Students of the Eco club presented the decorated pots to the Chief Guest. A plantation drive was promoted in the college to make the premises greener. Attractive Diyas were made by the students and lighted to celebrate an eco-friendly Diwali in the college. Recycling of paper is a regular exercise in the college. These recycled papers were used for various student activities like Chart Making, Poster Making, and Slogan writing etc. to address current environmental issues. Pranahi organized Pot Decoration Competition on the topic "Peace" and Collage making competition in cultural fest "SRIJAN-2016" on January 21 and 22, 2016. The Eco Club in collaboration with NSS division of the college celebrated 'VASANTOTSAV' on February 12, 2016.

DANCE CLUB

(Convener: Dr. Neha Singh)

“Rage” - The Dance Society of Bhaskaracharya College of Applied Sciences performed on the occasion of Independence Day. The team worked very hard and participated in western dance competitions at IIT Delhi, Acharya Narendra Dev College, Lady Shri Ram College, Delhi College of Arts and Commerce, Indian School of Business and Finance, Dayal Singh College, Dr. Bhim Rao Ambedkar College, Gargi College and Srijan - 2016.

During Srijan – 2016 Vipika Dhawan (Computer Science III Year) won the 3rd prize in the Solo Dance Competition. Nupur (Food Technology I Year) won the 2nd Prize in the Dance Face-Off event. Students received guidance during a 3-day workshop with Mr. Mohd. Aslam Khan. Rohit and Parikshit Kanojia attended a workshop organized by the Yoyo boys Ankit and Gaurav (semifinalists of India’s Got Talent Season 6).

ASTRONOMY CLUB

(Convener: Sh. Pawan Kumar)

Astronomy has been one of the fascinating fields of Science since the creation of Universe. In order to arouse the inquisitiveness among students, club organized a quiz competition with exciting prize for winning team. Also, club has organized an "Educational trip to Nehru Planetarium" on October 9, 2015 consisting of 75 students accompanied by three faculty members. The objective of trip was to make the students familiarize about various aspects and facts of astronomy.

LITERARY CLUB (Lit-Cultura)

(Convener: Ms. Arti Dua)

The Club organized an event- “Lit-o-Mania” which got huge participation. This particular event was organized on October 7, 2015 and was an amalgamation of two interesting rounds which were dictation followed by a round which required the participants to form a short story including the five words already provided to them on the spot. The event was judged by Dr. Ranjit Thakur. The feedback from the participants was extremely well and encouraging.

During SRIJAN 2K16 the club organized two events, namely “Kavi Sammelan” and “Turn it Around” during the annual college fest SRIJAN. Kavi Sammelan recorded a huge turnout and witnessed an epic battle between participants from various colleges, in the arena of poetry. The event was judged by Dr. Gunjan Jha and Dr. Ranjit Thakur. The event “turn it around” was also a success and attracted the people who had a flair for writing. This event was based on the innovative idea of poem to story conversion, and was very ably judged by Dr. Madhulika Bajpai and Dr. Uma Chaudhary.

DEBATE CLUB

(Convener: Dr. Tejpal Dhewa)

The Debate club aims to develop the debating skills amongst students of various fields. With this very aim, the Debate Club organized various activities and competitions.

Intra-college General Quiz Competition (Quiz Whiz) was organized on September 9, 2015. The biggest highlight of the Debate Club this year was the Inter-College Debate Competition organized on October 16, 2015 on the burning topic “Is social media just sensationalizing issues or actually creating positive awareness?” The event got an overwhelming response. Debate club observed Vigilance Awareness Week (26.10-2015-31.10.2015) at BCAS. An invited lecture by Dr. S. S. Rana, Ex. Dean of Colleges, and University of Delhi on “Preventive Vigilance as a tool of Good Governance” was organized on 30th October, 2015. He stressed upon importance of good governance in our daily lives. It included a pledge and interaction of students, teaching and non-teaching staff with Principal Sir, Dr. Balaram Pani and Dr. Rana.

PHOTOGRAPHY CLUB

(Convener: Dr. Jitender Kumar)

The photography club aims at teaching its members the art of photography by using various aids and self rectification of the instrument in case of minor faults. The club organizes various inter college competitions, seminars and workshops. This year the club organized the following events:

- A photography exhibition on the auspicious occasion of Independence Day 2015 (August 14 and 16, 2015). 70 best pictures were displayed covering a wide range of themes like still life, long exposure, portrait etc
- A photography contest on January 22, 2016 on two different themes: Still Life and Long Exposure. Participants from different colleges of DU participated in the contest. Out of 21 selected entries under the theme long exposure one photo from Shaheed Sukhdev College of Business Studies (participant's name: Shubhangi) and out of 15 photos for still life one from Maitreyi college (Participant's name : Antra) were selected for the first prize. Sambit Singh from Portrait photographer fashion was one of the judges. All technical features covered in photography were discussed by the judges.
- A photography exhibition on January 21 and 22, 2016 which includes various themes. 120 Entries from different colleges of DU were received and showcased during the College cultural fest, SRIJAN 16
- An event ‘PICs of the Day’ was organized on College cultural fest "SRIJAN 2016. The contestants captured the various events organized during SRIJAN'16 and displayed them in the college premises. 14 entries were received out of which 3 were selected for the best prize.

MOUNTAINEERING AND TREKKING CLUB

(Convener: Dr. Anil Kumar)

Mountaineering and Trekking Club organized a 5 days trek program to McLeod Ganj (Himachal Pradesh) in October, 2015. Group of staff members and students stayed at hotel Buddha Valley in McLeod Ganj. Being the present abode of His Holiness the Dalai Lama, the Tibetan spiritual leader; McLeod Ganj is full of colourful temples and gompas which reflect the culture of Tibet. The team did a trek to Triund located at a height of about 3000 m from sea level. Triund is the crown jewel of Dharamshala (McLeod Ganj), situated in the laps of Dhauladhar mountains, it has the perfect view of the Dhauladhar mountains on one side and Kangra valley on the other. Team also visited the Church of St. John's, Dal Lake, Bhagsunag falls, Bhagsunag Temple and Dharamshala cricket stadium. Luckily, team also got the opportunity to visit Maa Brijeshwari Devi (Kangra Devi) Temple in Kangra.