

BHASKARACHARYA COLLEGE OF APPLIED SCIENCES
15TH ANNUAL DAY

12 APRIL, 2012

ANNUAL REPORT 2011-12

It gives me immense pleasure to welcome you all on the 15th Annual Day Celebration of our college. I would like to especially welcome Dr. R. K. Khandal, Director, Shri Ram Institute for Industrial Research, the Chief Guest of the Day, Prof. Monika Datta, Chairperson, Governing Body of the College and Prof. S. C. Bhatla, Dean Faculty of Science, University of Delhi.

At present Dr. Khandal is also holding the prestigious position of President of World Association of Industrial and Technological Research Organizations.

Now I take this opportunity to briefly present the highlights of year-long activities of the college for the year 2011-12

Beginning with just sixty students in 1995, the college today has nearly 900 students on its roll. The college has the unique distinction of imparting education in eight important science disciplines like Biomedical Sciences, Microbiology, Polymer Science, Electronics, Instrumentation, Food Technology, Computer Science, Physics leading to Honours degree

With every single year, the college has been progressing and the achievements of each day have contributed in making this college a much sought-after science college in the University of Delhi. Academically the college students have made everyone proud by bringing laurels of success. Like the previous years, this year, too, the college produced University position holders in Microbiology, Bio-medical Science, Food Technology and Instrumentation.

Since the academic year 2007-08, the college has been conferring 'Best Student Award' to recognize the holistic development of students. From this year, it has been decided to confer two awards; one to the Best Boy Student and the other to the Best Girl Student. The evolved criterion includes good academic performance as well as active participation in the extra-curricular and co-curricular activities. I take this opportunity to announce the names of best students for the year 2011-12. These are Ms. Chandni Panvanda student of B.Sc. (Hons.) III Yr. Food Technology and Praveen Kumar Tripathi, student of B.Sc. (Hons.) III Yr. Biomedical Science in the Best Boy Student Category. I congratulate both of them for being selected for the Best Students Award.

I am also very happy to welcome Mr. Rahul Dev, the Alumnus of 2002-05 batch who did his Electronics degree from the college. He has been selected for the distinguished Alumnus Award for the Year 2011-12.

I am pleased to announce that **Deepika Wanganoo Memorial Award 2012** is being conferred on **Ms. Chandni Aggarwal**, from the Department of Electronics. I would like to mention here that Deepika Wanganoo was a former student of this Department in whose memory this award was initiated by her parents.

I am happy to congratulate Dr. A. K. Bali, Associate Professor in the Department of Biology, who has been appointed as the Vice Principal of the College

I take this opportunity to present before all of you the various activities and achievements of the college in 2011-12.

The Department of Food Technology conducted first International “**Better Process Control School for Manufacturers of Low Acid Foods**” at Negombo, Sri Lanka from 21-23 November, 2011 in collaboration with the U.S. Food and Drug Administration (FDA), India Office on invitation from Silver Mill Group under the coordinatorship of Dr. Shalini Sehgal, Associate Professor, Department of Food Technology, Mr. John T. Sproul, Assistant Country Director USFDA, India and Dr. Nirupa Sen, Food and Medical Product Safety Coordinator were in attendance on behalf of USFDA, India Office. Seventeen participants including three from Vita Coco (Malaysia) were trained on various aspects of Aseptic Packaging.

Department of Polymer Science organized a two day national symposium on “*Innovations in Polymers Towards Sustainability and Growth*” in association with National Academy of Sciences and Polymer Processing Academy on March 2-3, 2012.

A two-day Workshop on “*Experiments and Research Applications with National Instruments LabVIEW*” was organized by Departments of Instrumentation and Electronics jointly on February 2-3, 2012.

The faculty of the college as well as I personally believe that holistic education cannot be compartmentalized in streams. Keeping this belief in mind, along with other activities on variety of issues, the college organized two special events in the college.

The *Gandhi Study Circle* of the college, organized a seminar on Gandhism on February 24, 2012 which gave the students an insight into the preaching of the Mahatama and their relevance in their day to day life.

The other event was the organization of a Seminar on Human Rights on 13th March 2012 in collaboration with National Human Rights Commission, Govt. of India. The relevance of this programme can be gauged from the fact that Sh. Jaideep Singh Koccher, Joint Secretary, National Human Rights Commission, who himself was present during the event, sent a congratulatory letter to the college appreciating the sincere efforts of the college.

A blood donation camp by NSS unit of the college was organized on 28th February 2012 in collaboration with All India Institute of Medical Sciences (AIIMS) Blood Bank, New Delhi.

Equal Opportunity Cell of the college on January 25, 2012 organized a talk on Disability issues by Mr. T. D. Dhariyal, Dy. Chief Commissioner, Ministry of Social Justice and Empowerment, Govt. of India.

The Yoga Club of the college organized a one day Yoga Camp on January 18, 2012.

SRIJAN, the annual inter-college cultural festival was organized for two days on February 7-8, 2012. The special attraction of this year's *Srijan* was the star performance by famous Bhangra group, "*Rangla*" of the Punjabi Academy, Government of NCT of Delhi. In this fun-filled festival, students of various colleges participated in different activities such as Rangoli, Debate, Extempore, Band Performance, Funky Hairstyle, Face Painting, Dancing, Singing, Street Play and many more.

An inter-college choir competition, *Songs of India* was also organized in association with the Cultural Council, University of Delhi on September 24, 2011.

Annual Sports Meet of the college was held on 1st March 2012. The highlight of the meet was the cricket match played between Physics and Computer Science departments.

The college has several Clubs and Societies to develop inherent talent and caliber of students. All students of the college are required to associate themselves with there clubs. Some of the Clubs are like: Eco Club, Debate and Quiz Club, Dramatics and Fine Arts Club, Music Club, Dance Club, Mountaineering and Trekking Club, Film Club, Photography Club. All the Clubs and Societies of all major Departments engaged themselves in various activities throughout the year about which I would like to speak in brief.

The Department of Instrumentation organized a short term add on course on "*Embedded Systems*" from September to December, 2011

A delegation from Kagawa University, Japan visited the Department of Food Technology in August, 2011.

Department of Biomedical Science organized a winter workshop entitled "*Basic Techniques of Molecular Biology*" on December 12-16, December.

The Instrumentation Departmental society '*Sensors*' organized a lecture on '*Biomedical Instrumentation and its Indigenization*'.

The Microbiology Society- '*Sukshmjeev*' organized various lectures and its annual inter-college festival, *Micro Quest* on February 17, 2012 in which technical sessions were held along with activities for the students.

The Society of Computer Science Department *CS.NET* organized its departmental festival on February 23, 2012.

The Departmental society of Electronics, *SPARKS* organized a lecture on the topic, '*MBA: As a Career Option*' and a technical festival, "*Techmania*" on February 29, 2012.

Career Guidance Cell of the college organized a lecture on *Prospects of Post Graduate Course in Bio-Electronics and Instrumentation*.

The Physics Department Society, *Z Gravity* organized its annual festival on January 17 and 18, 2012.

Women Development Cell of the college organized on October 19, 2011 a talk on '*Health Issues of Women*' for the faculty and students of the college.

A three day Entrepreneurship Awareness Camp (EAC) was organized for the students during January 4 to 6, 2012. This camp was sponsored by Department of Science & Technology, Govt. of India. A total of 74 students participated in EAC.

The College this year in collaboration with the Department of Science & Technology, Govt. of India organized two INSPIRE Science camps for school students to motivate them to pursue science research as career.

During the last year several leading scientists from India and abroad visited the college and addressed the students and faculty of the college.

1. Prof. Dinesh Singh, Vice Chancellor, University of Delhi, Delhi
2. Prof. Deepak Pental, Former Vice Chancellor, University of Delhi, New Delhi.
3. Dr. R. K. Khandal, Director, Shri Ram Institute for Industrial Research, New Delhi.
4. Prof. Monika Datta, Department of Chemistry, University of Delhi, Delhi.
5. Dr. S. C. Bhatla, Dean, Faculty of Science, University of Delhi, Delhi
6. Dr. Mukesh Kumar, Deputy Director General, Indian Council of Medical Research, New Delhi
7. Dr. A. Mukhopadhyay, DST, New Delhi
8. Prof. Karmeshu, School of Computer and Systems Sciences, JNU, New Delhi.
9. Prof. Avinashi Kapoor, Dean, Inter Disciplinary and Applied Sciences, University of Delhi, New Delhi
10. Dr. Amit Roy, Director, Inter University Accelerator Center, New Delhi.
11. Prof. S. Natesh, Department of Biotechnology, Delhi
12. Sh. Rintu Nath, Vigyan Prasar, Noida, UP.
13. Dr. Anuj Sinha, Vigyan Prasar, Noida, UP.
14. Dr. B.C. Sabata, Department of Environment, Govt. of NCT of Delhi New Delhi.
15. Dr. Ashok Jain, EMPI, New Delhi

16. Dr. Gauhar Raza, NISCAIR, New Delhi.
17. Dr. B. D. Malhotra, Delhi Technological University, New Delhi
18. Dr. Rathansre, Nehru Planetarium, New Delhi
19. Dr. Jan Wildenhain, University of Edinburgh, United Kingdom
20. Dr. Madhu Chopra, Dr. B R Ambedkar Center for Biomedical Research, University of Delhi
20. Prof. J.S. Viridi, Head, Department of Microbiology, University of Delhi
21. Dr. A. K. Puniya, National Dairy Research Institute, Karnal
22. Dr. Amarjeet Singh, Indraprastha Institute of Information Technology, Delhi
23. Mr. Promit Biswas, All India Institute of Medical Sciences, New Delhi
24. Dr. SaleemJaved, Jamia Milia Hamdard University, New Delhi.
25. Prof AK Bakshi, Vice-Chancellor, Rajarshi Tandon Open University, Allahabad.
26. Dr. P. Thavamani, IRMRA, Mumbai
27. Dr. Ruchin Shrivastava, Bayer Material Science Pvt. Ltd.,
28. Dr. Joseman Jacob, IIT Delhi,
29. Dr. Kinkar Mukherjee, Reliance Industries, Mumbai.
30. Prof. (Ms) Ashum Gupta, Director of Gandhi Bhawan, University of Delhi
31. Prof. Rajiv Vora, Chairman of Swaraj Peeth.
32. Prof. Pralay Kanungo, Chairperson, School of Political Science, Centre of Social Studies, JNU, New Delhi
33. Prof. Aswini Ray, Retd. Prof. in International Relations, School of Political Science, Centre of Social Studies, JNU, Delhi
34. Mr. Jules Jalenques, International SalesInterscience, France
35. Dr. Hirotoshi Tamura, Kagawa University, Japan
36. Prof. S.M.S. Chauhan, Head, Department of Chemistry, University of Delhi.
37. Prof. A. K. Ghosh, IIT Delhi,
38. Dr. V. B. Lall, SCJ Polymers, Delhi
39. Prof. G. L. Verma, Head, Department of Applied Chemistry and Polymer Technology, Delhi Technological University, New Delhi.
40. Prof K. Sreenivas, Director, University Science Instrumentation Centre, University of Delhi, Delhi.

The college has also brought out the college magazine, *Resonance 2012* which gives students and staff an opportunity to express their literary talent.

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

A detailed presentation of the achievements and the activities of the college are available in the subsequent pages of the annual report.

I also take this opportunity to congratulate all the prize winners of academic and sports awards.

From this platform, I highly appreciate the team work of the teaching and non-teaching staff of the college as well as their active participation in the growth and development of college.

I take this opportunity to thank Prof. Monika Datta, Chairperson, Governing Body. Prof. S.C. Bhatla and other members of the Governing Body of the college for their valuable suggestions and support throughout.

The College is thankful to Govt. of NCT of Delhi for generous financial support to the college.

I thank the Vice Principal, Bursar, PIO, Secretary, Staff Council and all Conveners of the Staff Council Committees and Co-ordinators of various Clubs and Societies for their hard work in the development and progress of the college.

I once again thank Dr. R. K. Khandal, Prof. Monika Datta & Prof. S.C, Bhatla for sparing their valuable time out of busy schedule for the college Annual Day.

Thank you all for being here. I wish all the best to all my students for the forthcoming examinations as well success in all their endeavours.

Now I conclude with this famous quote of Longfellow:

“The heights by great men reached and kept
Were not attained by sudden flight,
But they, while their companions slept
Were toiling upward in the night.”

Thank you!

Principal

UNIVERSITY POSITION HOLDERS FOR THE YEAR 2011-12

COURSE	NAME	POSITION
B.Sc.(H) Biomedical Science III Year	ATTINDER CHADHA	III
B.Sc. (H) Microbiology II Year	NEHA SINGHAL	I
B.Sc.(H) Biomedical Science I Year	CHARU AGGARWAL	II
B.Sc.(H) Food Technology I Year	MANISHA RAWAT	I
B.Sc.(H) Food Technology I Year	AKSHAY BHALLA	III
B.Sc.(H) Instrumentation I Year	VISVESH	II
B.Sc. (H) Polymer Science I year	NIDHI	I
	CHHAVI VERMA	II
	SURAJ PANDEY	III
B.Sc. (H) Polymer Science II year	S. ANANDI	I
	UJJWAL KUMAR	II
	NIKITA	III
B.Sc. (H) Polymer Science III year	SUJEET DUTTA	I
	KAILASH PANDEY	II
	SIDDHARTH SAXENA	III

COLLEGE POSITION HOLDERS FOR THE YEAR 2011-12

COURSE	FIRST YEAR		SECOND YEAR		THIRD YEAR	
	Name	Position	Name	Position	Name	Position
B.Sc.(H) Bio Medical Science	CHARU AGGARWAL	I	KUNJAN KHANNA	I	ATTINDER CHADHA	I
	APOORVA UBOVEJA	II	MONIKA SAINI	II	PALLAVEE KHANNA	II
	SHUBHAM KESARWANI	III	SNEHA BATRA	III	RUCHI KUMARI	III
B.Sc.(H) Computer Science	SACHIN SHARMA	I	SHEENA ARORA	I	RITIKA GUPTA	I
	LOKITA YADAV	II	SAUMYA	II	HEMA SHARMA	II
	SHALINI JHA	III	MOUMITA DATTA	III	ARPITA HALDAR	III
B.Sc.(H) Electronics	DIVYA PAHUJA	I	ANSHU JINDAL	I	CHANDNI AGGARWAL	I
	HIMANGI SRIVASTAVA	II	DIVYA KARWAL	II	AMRIT KAUR	II
	YASHU VARSHNEY	III	ASHISH PAWAR	III	RUBY KAUR	III
B.Sc.(H) Food Technology	MANISHA RAWAT	I	MEGHA NEGI	I	ANU SETHI	I
	AKSHAY BHALLA	II	CHANDNI PANVANDA	II	SHILPI BHANDARI	II
	SILVI GARG	III	VAISHALI SHARMA	III	JUHI SAXENA	III
B.Sc.(H) Instrumentation	VISVESH	I	PALLAVI SINGH	I	VANDANA KUMARI	I
	SARTHAK JOSHI	II	SNIGDHA MEHTA	II	POOJA SHARMA	II
	SHEFALI RAWAT	III	JUHI KHURANA	III	CHOKAS	III
B.Sc. (H) Microbiology	SHEFALI THAKUR	I	NEHA SINGHAL	I	AARTI YADAV	I
	SHAMSHEEDA SAIFI	II	SANJANA MUKHARJEE	II	GAURAV JINDAL	II
	GURDEEP RATTU	III	PRATEEK BHARDWAJ	III	DRISHTI AGARWAL	III
B.Sc. (H) Physics	CHETNA BENIWAL	I	RACHNA CHAURASIA	I	RENUKA RAUTELA	I
	CHARU GARG	II	BHARAT BHUSAN	II	ANJALI SINGHAL	II
	GHANSHYAM SINGH	III	RUCHI GUPTA	II	MANISHA SHARMA	III
			SUNIL SARAN	III		
B.Sc. (H) Polymer Science	NIDHI	I	S. ANANDI	I	SUJEET DUTTA	I
	CHHAVI VERMA	II	UJJWAL KUMAR	II	KAILASH PANDEY	II
	SURAJ PANDEY	III	NIKITA	III	SIDDHARTH SAXENA	III

ACADEMIC ACHIEVEMENTS OF THE FACULTY MEMBERS

Department of Biology

Dr. Anil K. Bali

- Appointed Vice-Principal of the college.
- Appointed Member of International Curriculum “Central Board of Secondary Education [CBSE (i)]”.
- CBSE nominated Ideator of the committee on CBSE (i) for class XI & XII (Biology), Central Board of Secondary Education, New Delhi.
- Guest Faculty in Biotechnology for B.E. (Biotechnology) programme of Netaji Subhash Institute of Technology, University of Delhi.
- Attended a Seminar (Lecture Series) on *Integrating Technology and Transferring Education* organized by ED Tech Forum on 15th September, 2011, New Delhi.

Department of Biomedical Sciences

Dr Uma Chaudhry

- One student, Mahaveer Chand Golechha, was awarded Ph. D. degree under joint supervision.
- Appointed as a supervisor for another Ph. D. student, Ms Renu Pandey, by University of Delhi.

Publications:

- Presented a paper on “Characterization of Putative Immuno-dominant Proteins of *Chlamydia Trachomatis* to be Positionally Conserved and Secreted using a Bioinformatic Approach” in the 12th International Union of Sexually Transmitted Infections - World Congress held in New Delhi from 2nd to 5th November, 2011.
- Participated in a Workshop on “Bioinformatics and Molecular Modeling in Drug Design” held at Dr B R Ambedkar Center for Biomedical Research, University of Delhi from 18th to 20th January, 2012. Golechha M, Chaudhry U, Bhatia J, Saluja D and Arya DS. ‘Naringin Protects against Kainic Acid-Induced Status Epilepticus in Rats: Evidence for antioxidant, Anti-Inflammatory and Neuro protective Intervention’ in *Biological and Pharmaceutical Bulletin*. 34(3) 360-365 (2011).
- Golechha M, Chaudhry U, Saluja D and Arya DS. ‘Sesamol Protects Kainic Acid Induced Status Epilepticus in Rats: Evidence for an Antioxidant, Antiapoptotic, and Neuroprotective Intervention’ in *Epilepsia*, 52 (Suppl. 6):23–263, (2011).
- Patel AL, Chaudhry U, Sachdev D, Sachdeva PN, Bala M and Saluja D. ‘An Insight into the Drug Resistance Profile and Mechanism of Drug Resistance in *Neisseria gonorrhoeae*’ in *Indian Journal of Medical Research*, 134, October 2011, pp 419-431.

Dr. Shivani G. Virmani

- Attended a workshop on *Bioinformatics for College Teachers* from 27th to 30th July, 2011

at Sri Venkateshwara College, University of Delhi.

Dr. Uma Dhawan

- Attended a workshop on *Managing Bibliography with End Note* organized by School of Biological Sciences, University of Edinburgh, UK, April 22, 2011
- Attended a workshop on *Biomolecular Interactions using Label-free Techniques*, organized by School of Biological Sciences, University of Edinburgh, UK, March 17, 2011
- Attended Next GenBUG meeting at National e-Science Center, University of Edinburgh, UK, March 14, 2011
- Attended a workshop on *Project Planning* organized by School of Biological Sciences, University of Edinburgh, UK, Feb. 11, 2011.
- Universitas 21 Award to do Masters' degree in Bioinformatics from University of Edinburgh, UK under University of Delhi Faculty Training Programme. Awarded Master's degree in Bioinformatics with distinction from the School of Biological Sciences, College of Science and Engineering, University of Edinburgh, UK (November, 2011).
- Visiting Faculty at Laboratoire de Chimie des Polymères Organiques (LCPO), University of Bordeaux, France (August, 2011).
- Course Coordinator, add-on course in Bioinformatics and *in-silico* Drug Discovery to be jointly organized by Bhaskaracharya College of Applied Sciences and Acharya Narendra Dev College from next semester (July, 2012). The proposal for the same is already submitted to Indian National Science Academy, New Delhi.

Dr Renu Baweja

- Organized a Workshop entitled *Basic Molecular Biology Techniques* from 12th to 17th December 2011 in the College.

Department of Chemistry

Dr. Ramesh Kataria

Attended a Workshop on the topic "Spectroscopic Techniques and Their Applications" on 12th November 2011 at MM. University, Mullana, (Ambala) Haryana

Publications

- Kataria, Ramesh and Sharma, Harish Kumar, 'An Extractive Spectrophotometric Determination of Tin as Sn(II)-6-Chloro-3-hydroxy-7-methyl-2-(4'-methoxyphenyl)-4-oxo-4H-1-benzopyran Complex into Dichloromethane' in *Eurasian Journal of Analytical Chemistry*, 6 (2011) 140-149.
- Kataria, Ramesh and Sharma, Harish Kumar, "3-Hydroxy-2-[1'-phenyl-3'-(4"-methoxy)-4'-pyrazoyl] - 4 - oxo- 4H-1- benzopyran as a Spectrophotometric Reagent for the Micro- determination of Tin" *Journal of Indian Chemical Society*, 89 (2012) 121-126.

Department of Electronics

Dr. Geeta Mongia

- Attended INDO-JAPAN Conference on 'Frontier Nanomaterials for Energy (FNE-2012)' from January 9th -11th 2012 at School of Engineering and Technology, Sharda University, Greater Noida, U.P., India.
- Attended a one-day workshop on 'Training on EXPeyes Design Kit' on January 28, 2012 held at Bhaskaracharya College of Applied Sciences.
- Co-Coordinator of workshop on "Experiments and Research Applications with National Instrument *LabVIEW*" held at Bhaskaracharya College of Applied Sciences on 2nd and 3rd February 2012.

Publication

- Bhatt Geeta and Mongia Geeta, A book on *Experiments Based on Analog and Digital Electronics*, published by I.K.International, New Delhi, 2012.

Dr. Inderbir Kaur

- Attended INDO-JAPAN Conference on 'Frontier Nanomaterials for Energy (FNE-2012)' from 9th to 11th January 2012 at School of Engineering and Technology, Sharda University, Greater Noida, U.P., India.
- Attended a one-day workshop on 'Training on Expeyes Design Kit' on January 28, 2012 held at Bhaskaracharya College of Applied Sciences.
- Co-Coordinator of workshop on "Experiments and Research Applications with National Instrument *LabVIEW*" held at Bhaskaracharya College of Applied Sciences on 2nd and 3rd February 2012.

Ms. Shweta Gupta

- Organized a one-day workshop on 'Training on Expeyes Design Kit' on January 28, 2012 held at Bhaskaracharya College of Applied Sciences.

Dr. Jitender Kumar

Publications:

- Madan, Jitender Kumar, D. Madhwal, I. Singh., P K Bharnagar and P C Mathur, "Colour Tuning and Enhanced Performance of MEH-PPV based Polymer Light Emitting Diodes by Using CdSe/ZnS Uncapped Quantum Dots as Dopants" *Journal of Nanophotonics*, 5, 053518,2011.
- D. Madhwal, I. Singh, Jitender Kumar, P.K. Bhatnagar and P.C. Mathur "Increasing the luminous Efficiency of a MEH-PPV based PLED using Salmon DNA and Single Walled Carbon Nanotube" *Journal of luminescence* 131, 1264-1266, 2011.
- I. Singh, D. Madhwal, Jitender Kumar, S. Rait, C. Bhatnagar, I. Kaur, L.M. Bharadwaj, P.K. Bhatnagar and P.C. Mathur. "Effect of thermal annealing on the efficiency of P3HT: PCBM Bulk Heterojunction Solar Cells". *Journal of Nanophotonics*, 5, 053504, 2011.

- R B Gupta, Jitender Kumar, D Madhwal, I Singh, I Kaur, L M Bhardwaj, S Nagpal, P K Bhatnagar and P C Mathur. “Improvement in the Luminous Efficiency of MEH-PPV Based Light Emitting Diodes Using Zinc Oxide Nanorods Grown by the Electrochemical Technique on ITO Substrate”, *physica scripta* 84, 015705, 2011.
- A. Kumari, N. Prasad, Jitender Kumar, D Madhwal, P K Bhatnagar and P C Mathur “To Study the Effect of Annealing on the Optical Properties of Graphene Oxide” *IWPSD* Nagpur 2011.
- S K Dixit, D Madhwal, Jitender Kumar, I Singh, P K Bhatnagar and P C Mathur “Fabrication and Characterisation of P3HT-PCBM Quantum Dot based Solar Cell” *IWPSD*, Nagpur 2011.
- S. Madan, Jitender Kumar, I. Singh, D. Madhwal, P. K. Bhatnagar and P.C.Mathur, “Synthesis and Characterization of II-VI Compound Semi-conductor Quantum Dots for Enhancing the Electroluminescence of Polymer based Light Emitting Diodes”, *ICMAT* 2011, Symposium EE.
- Attended Two-day workshop on 10th -11th March 2011 on *Scilab and its Applications* at Acharya Narendra Dev College, University of Delhi.
- Attended one day workshop on “TRAINING ON EXPEYES DESIGN KIT” on January 28, 2012 held at Bhaskaracharya College of Applied Sciences.

Dr. Amit Kumar

- Organized a three-day Awareness camp on ‘Entrepreneurship’ from 4th –6th January, 2012 held at Bhaskaracharya College of Applied Sciences.
- Attended a one-day workshop on ‘Training on Expeyes Design Kit’ on January 28, 2012 held at Bhaskaracharya College of Applied Sciences.
- Attended a Workshop on “*Scilab and its Applications*” on 10th–11th March 2010 at Acharya Narendra Dev College, Kalkaji.

Dr. Harsupreet Kaur

- Organized a one-day workshop on ‘Training on Expeyes Design Kit’ on January 28, 2012 held at Bhaskaracharya College of Applied Sciences.

Dr. Kirti Basu

- Attended one-day workshop on ‘Training on Expeyes Design Kit’ on January 28, 2012 held at Bhaskaracharya College of Applied Sciences.
- Attended a two-day Mini-colloquia on “Compact Modeling Techniques for Nanoscale Devices and Circuit Analysis” on March 14-15, 2012 organized by IEEE EDS- Delhi Chapter, held at University of Delhi, South Campus.

Department of English

Dr. Prerna Malhotra

- Attended a workshop on ‘Technical Writing and Communication in English’ on 10th September 2011 at Gargi College, University of Delhi.

- Attended an Orientation Programme for English Language Teachers on 'English Language Proficiency' from 5th to 10th December 2011 at Institute of Life-long Learning, University of Delhi.
- Co-coordinator of Seminar on Human Rights organized by Bhaskaracharya College of Applied Sciences in association with National Human Rights Commission on 13th March 2012.

Department of Food Technology

Dr. Rizwana

- Delivered lectures on 'HACCP' and 'Hygiene, Microbiological Quality and Safety Issues Associated with Processing of Meat, Poultry and Marine Products in the Short Term Training Programme on 'Upgradation of Food Processing Skills in Small and Medium Enterprises' organized by National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Kundli 19-21 September, 2011.
- Co-ordinator of the first international "Better Process Control School for Manufacturers of Low Acid Foods" in Negombo, Sri Lanka in collaboration with US Food and Drug Administration, India Office from 21st to 23rd November, 2011 .

Dr. Shalini Sehgal

- Selected to attend the US Food and Drug Administration (FDA) one week Container Integrity Testing Class in Alameda, California, USA from 2-6 April, 2012.
- Course Coordinator and trainer of the first international "Better Process Control School for Manufacturers of Low Acid Foods" in Negombo, Sri Lanka in collaboration with US Food and Drug Administration, India Office from 21-23 November, 2011.
- Resource person on 'Emerging Food Processing Technologies' for the India Africa Forum Summit (IAFS-II) held at Shri Ram Institute for Industrial Research from March 1st to 15th, 2012.
- Co-guide for MSc. Dissertation on "Assessment Of Hygiene, Sanitation and Microbiological Quality of Food and Water Served at Various Pre-Schools of East and Central Delhi" undertaken at the Department of Food and Nutrition, Lady Irwin College, University of Delhi.
- Coordinator of the ongoing project 'Star College Scheme for strengthening of life science and biotechnology education and training at undergraduate level' sanctioned by the Department of Biotechnology(DBT), Ministry of Science and Technology, Govt. of India.
- Developed the course content of "Appreciation programme on Food Safety for Housewives/Young Girls" and contributed two chapters on 'Food Safety and Water Quality' for the School of Agriculture, IGNOU.
- Resource person for the FSSAI trainings for the Designated Officers on Food Processing and Food Safety held at NIB, Noida from 5-9th September, 2011.
- Resource person for the training of PBOR on "Food Quality" and "Testing and Evaluation" at Indian Society of Agribusiness Professionals (ISAP), Delhi in August, 2011.

- Attended two-day National Workshop on ‘Development of Educational framework for Human Resources in Food Safety Sector’ on 03-4 November, 2011 at FSSAI, New Delhi.

Department of Human Communication

Dr. Madhulika Bajpai

- Conducted a workshop on “Interpersonal Relationships and Effective Communication” for undergraduate students of Jesus and Mary College, University of Delhi from 9th -10th April 2011.
- Presented a paper on “Psycho-Social Determinants of Marital Discord and Satisfaction in Changing Times: Hope Floats...” in an International Conference on “*Psychology in Contemporary Context: A Positivistic Approach*”, 21st -22nd May 2011.
- Delivered a talk on ‘Lifestyle Interventions: An Antidote to Occupational Stress’ in the International Conference on “*Stress: Paradigm Shift in Technology and Allied Sciences*”, organized by IISMAAS & IIHMR on December 27-28, 2011.
- Presented a Paper on ‘Workplace Stress and its Management’ in an international conference on ‘Stress, Health and Society and Technology’ organized by IISMAAS on 20-21 April, 2011, at JNU, New Delhi.

Department of Instrumentation

Dr. Geeta Bhatt

- Co-ordinator for a Workshop entitled “Experiments & Research Applications with National Instruments Labview” held at Bhaskaracharya College of Applied Sciences from 2nd -3rd February 2012 in collaboration with Trident Techlabs.
- Attended a Workshop on ExpEYES (Experiments for Young Engineers and Scientists) held at Bhaskaracharya College of Applied Sciences in collaboration with Inter University Accelerator Centre(IUAC), held on 28th January, 2012.
- Participated in the third edition of Indo-Global Education Summit 2011 in New Delhi at the India Habitat Centre, Lodhi Road on November 4 and 5, 2011.

Publication

- Bhatt Geeta and Mongia Geeta. A book on *Experiments Based on Analog and Digital Electronics*, published by I.K. International, New Delhi, 2012.

Department of Microbiology

Dr. Purnima Anand

- Was appointed Jury Member in National Level Exhibition and Project Competition organized under “Innovation in Science Pursuit for Inspired Research”, by Department of Science & Technology Government of India.

Dr. Vijaya Kumar Nalla

- A research paper entitled, "Comparative genomics and genome wide analysis of bidirectional promoters in *Candida albicans*", was published in "European Molecular Biology Organization (EMBO)" conference series publications on "Comparative Genomics of Eukaryotic Microorganisms: Understanding the complexity of Diversity" on 15th October 2011.
- Attended a conference on "Emerging Trends on Molecular Genomics of Breast Cancer" held at National Institute of Immunology (NII) (New Delhi), on 12th September 2011.

Department of Polymer Science

Dr. S. K. Shukla

- Attended 7th National Symposium and Conference on *Solid State Chemistry and Allied Areas*, November 24-26, 2011, Jamia Milia Islamia, Delhi.
- Attended National Seminar on *Frontiers in Polymer Science*, November 18-19, 2011, H.P. University Shimla, India.
- Attended National Conference on *Futuristic Materials*, 15-17 September 2011, Sharda University, Greater Noida -2013006, INDIA

Publications:

- R.P. Rastogi, N.B. Singh and S.K. Shukla, Nano Size Copper Oxide Encapsulated Urea-Formaldehyde Resin Film for Arsenic (III) Removal from Aqueous Solution, in *Indian Journal of Engineering and Material Science*, 18 (2011) 390-392.
- S.K. Shukla and A. Tiwari, Synthesis of Chemical Responsive Chitosan-grafted-polyaniline Bio-composite, in *Advance Material Research*, 306-307 (2011) 82-86.
- S.K. Shukla, Advancement in Cellulose Based Bio-plastics for Biomedicals, in *Intelligent Nanomaterials*, ISBN: 978-1-60876-544-7, ed. Ashutosh Tiwari, A.K. Mishra, H. Kobiyashi and A.P.F. Turner, John Wiley and Scrivener Publishing House, USA, 2012.
- S.K. Shukla, Minakshi and Ashutosh Tiwari, Synthesis and Conduction Mechanism of ZnO grafted Polypyrrole (ZnO-g-Ppy) Nanocomposite, International Conference on *Nanomaterials & Nanotechnology*, 18-21, December 2011, University of Delhi, Delhi INDIA, OP.126, PP. 81.

Dr. Susmita Dey Sadhu

- Coordinator of the National Symposium on "Innovations in Polymer Towards Sustainability and Growth" held at Bhaskaracharya College of Applied Sciences on 2-3rd March 2012.

Publications

- Anandi S., Rawat N., Kumar U., Kaur Bikramjit and Sadhu S., 'Preparation and Characterization of Nanocomposite Based on Phenol Formaldehyde – Nylon Thermoset IPN' in International Conference on *Nanomaterials and Nanotechnology: ICNANO 2011*, New Delhi, India on 18-21st December, 2011.
- Anandi S., Dey Sadhu. S., Kaur Bikramjit and Shukla S. K. 'Preparation and Studies of the Thermal Behavior of Styrene-butadiene Based Zinc Oxide Nanocomposite' in International

Conference on *Emerging Trends in Developing Eco-friendly and Energy Efficient Elastomeric Material and Processing Technology* in Mumbai, India on 20 to 21 January 2012.

- S. Anandi, Susmita Dey Sadhu and Bikranjeet Kaur; *Study of Thermal Properties of Phenol Formaldehyde-Nylon66 IPN, ICWNCN 2012*, New Delhi, India, February 2012.

Bikramjit Kaur

- Co-ordinator of the National Seminar on “Innovation in Polymers Towards Sustainability and Growth” to be held at Bhaskaracharya College of Applied Sciences, (DU), New Delhi on 2nd & 3rd March 2012.

Publications

- Meenakshi Garg, Bikramjit Kaur, “Drying Characteristics Of Corn Seeds” in International Conference on ‘Frontiers in Nanoscience, Nanotechnology and Applications’ NanoSciTech-2012 organized by Punjab University, Chandigarh in Feb. 2012.
- Anandi S., Rawat N., Kumar U., Kaur Bikramjit and Sadhu S., ‘Preparation and Characterization of Nanocomposite Based on Phenol Formaldehyde – Nylon Thermoset IPN’ in International Conference on *Nanomaterials and Nanotechnology:ICNANO 2011*, New Delhi, India on 18-21st December, 2011.
- Anandi S., Dey Sadhu. S., Kaur Bikramjit and Shukla S. K. on ‘Preparation and Studies of the Thermal Behaviour of Styrene-butadiene Based Zinc Oxide Nanocomposite’ in International Conference on *Emerging Trends in Developing Eco-friendly and Energy Efficient Elastomeric Material and Processing Technology* in Mumbai, India in January 2012.
- S. Anandi, Susmita Dey Sadhu and Bikramjit Kaur; *Study of Thermal Properties of Phenol Formaldehyde-Nylon66 IPN, ICWNCN 2012*, New Delhi, India, February 2012.
- Ranjna, Himani, Purnima Jain and Bikramjit Kaur; *Study of Thermal Properties of Phenol Formaldehyde-Nylon66 IPN*, in National Conference, Zakir Husain College, New Delhi, India, November 2011.

Library

Dr. Ranjeet Singh Thakur

- Participated in a two day ‘Training of Trainers’ workshop on “Information Literacy and Competency” organized by Delhi University Library System, University of Delhi on 29th and 30th June 2011.
- Delivered lectures on Role of Libraries and Use of ICT in Libraries to the Librarians of Government Schools in West Zone, Delhi. Lectures were organized by DIET on September 14, 2011.

ACTIVITIES OF DEPARTMENTS, CLUBS AND SOCIETIES

Star College Scheme

Bhaskaracharya College of Applied Sciences has been nominated under the “Star College Scheme for strengthening of life science and biotechnology education and training at undergraduate level” by the Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India.

Dr. Shalini Sehgal, Associate Professor, Department of Food Technology, BCAS is the Coordinator of the Star College Scheme. The four life sciences departments of the college, Biochemistry, Biomedical Sciences, Microbiology and Food Technology have been sanctioned Ist Installment of grant of Rs. 28 lakhs to strengthen the academic and physical infrastructure for achieving excellence in teaching and training under the first phase of this scheme.

The Department of Biochemistry under the star college scheme has purchased “an automatic Titrator” and “a UV-Visible spectrophotometer”.

The Department of Biomedical Science has purchased Gel Documentation System, Deep Freezer and Western Blotting Apparatus under the scheme. Department of Biomedical Science had organized a winter workshop entitled “Basic Techniques of Molecular Biology” under the scheme for BMS students from 12th to 16th December, 2011. During the workshop a lectures were delivered by Dr. Jan Wildenhain from University of Edinburgh, United Kingdom on the topic entitled “A Hitchhiker's Guide to Cheminformatics and Drug Discovery” and by Dr. Madhu Chopra, from Dr. B R Ambedkar Center for Biomedical Research, University of Delhi on “Application of Fluorescence Spectroscopy in Biomedical Science”. Department also organized an educational trip to Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi for the students of B.Sc.(H) BMS II Semester.

The Department of Food Technology purchased under the scheme Digital Refractometer (ATAGO) and Gravimetric Diluter (Interscience, France). A delegation from Kagawa University, Japan headed by Dr. Hirotoishi Tamura visited the Department of Food Technology in August, 2011. A workshop on the functioning of latest equipments in Microbiological Analysis such as Bagmixer, Automatic Colony Counter and Gravimetric Diluter was conducted by Mr. Jules Jalenques, International Sales, Interscience, France on 23rd January,2012 in the college under the scheme.

The Department of Microbiology under the scheme has purchased Trinocular Microscope with camera, Shaker- incubator, Cooling Cabinet and Water Purification System. Under the scheme the Microbiology Society- Sukshmjeev organized a series of illuminating seminars by eminent scientists like Professor J.S.Virdi, Head, Department of Microbiology, University of Delhi and Dr.A. K. Puniya, Principal Scientist, National Dairy Research Institute, Karnal.

Department of Food Technology

The first International “**Better Process Control School for Manufacturers of Low Acid Foods**” was conducted at Negombo, Sri Lanka from 21-23 November, 2011 in collaboration with the U.S. Food and Drug Administration (FDA), India Office on invitation from Silver Mill Group under the coordinator ship of Dr. Shalini Sehgal, Associate Professor, Department of Food Technology, BCAS. Mr. John T. Sproul, Assistant Country Director, India and Dr. Nirupa Sen , Food and Medical Product Safety Coordinator were in attendance on behalf of USFDA, India Office. Seventeen participants including three from Vita Coco (Malaysia) were trained by Mr. T. K. Datta (Renowned Packaging Expert), Dr. Rizwana (Course Co-coordinator) and Dr. Shalini Sehgal on various aspects of Aseptic Packaging in conjunction with the regulations set forth in 21 CFR. The certificates of successful completion were given away by Dr. Jai Prakash, Principal and Chairman of the Better Process School.

Department of Electronics

A two-day Workshop on “Experiments and Research Applications with National Instruments LabVIEW” was organized jointly with Department of Instrumentation and Trident Techlabs Pvt. Ltd. during 2nd-3rd February, 2012 in the college premises. Prof Avinashi Kapoor, Head, Department of Electronic Science & Dean, Faculty of Interdisciplinary and Applied Sciences, University of Delhi and Prof K. Sreenivas, Director, University Science Instrumentation Centre, University of Delhi were the Chief Guests for the occasion. Electronics society, “SPARKS” also organized a technical fest, “Techmania”, on 29th February, 2012 and Dr. Amarjeet Singh from Indraprastha Institute of Information technology, Delhi delivered a lecture on *Robotics*. Various technical events were also held during the festival. A lecture on the topic, “MBA: As a Career Option” was also organized by the society in collaboration with Career Launcher.

Department of Instrumentation

The Instrumentation Departmental society ‘**Sensors**’ organized a lecture on ‘Biomedical Instrumentation and its Indigenization’ by Mr. Promit Biswas ,Senior Project Officer in the Department of Gastro Intestinal Surgery at All India Institute of Medical Sciences, New Delhi. The Department of Instrumentation also organized a short term course for the students of Electronics and Instrumentation on “*Embedded Systems*” during September – December 2011. This course had been designed keeping in mind the advances in hardware and software technologies and their applications in day to day life. Various modules like C language, basic electronics, 8051 microcontroller, PIC microcontroller and Transducers were covered by the eminent faculties of various institutes like Netaji Subash Institute of Technology and National Physics Laboratory. Emphasis on hands on was given during the course, students completed various hardware based projects that can be implemented in day to day life, for instance speed control of Fan through microcontroller, Light Intensity Meter, Strain Gauge based precision weighing and many more. The society also organized a lecture by Dr. Saleem Javed from Jamia Milia Hamdard University in collaboration with Career Guidance Cell of the college on prospects of post graduate course in Bio-Electronics and Instrumentation. Department of Instrumentation in collaboration with Department of Electronics organized a

two day workshop on ‘*Experiments & Research Applications with National Instruments LabVIEW*’.

Department of Microbiology

Sukshmjeev, the Microbiology Society of Bhaskaracharya College of Applied Sciences, organized its annual inter-college festival, Micro Quest 2012, on 17th February 2012. Delegates and students from various colleges of University of Delhi also participated. An array of student activities such as Quiz Moz, Poster Presentation, Online Power Point Presentation, Graffiti, Dumb- Charades and Micro Burst were also arranged which attracted throngs of students and saw a high level of participation. The society also organized a collage competition on the importance of microorganisms in August 2011.

Department of Physics

The physics society organized its first ever annual fest “Z-Gravity” on 17th and 18th January 2012. The two day event was a perfect blend of academic and extracurricular activities. The 1st half on each day consisted of lectures by eminent professor from IIT Delhi and Department of Physics, University of Delhi and the latter half had various events like quiz competitions, debate and PowerPoint presentations etc.

Department of Polymer Science

A two day national symposium on “Innovations in Polymers Towards Sustainability and Growth” was organized by the Department of Polymer Science, Bhaskaracharya College of Applied Sciences, University of Delhi in association with National Academy of Sciences and Polymer Processing Academy on March 2-3, 2012 in the college premises. The chief guest of the symposium, Dr. R.K. Khandal (Director, Shriram Institute of Industrial Research), Prof. A. K. Bakshi (VC, U.P.R.T. Open University, Allahabad) and Prof. V. P. Sharma (National Academy of Sciences) and the chairperson for the inaugural ceremony Prof. Monika Datta (Chairperson, College, Governing Body) along with the Principal of the college Dr. Jai Prakash inaugurated the seminar on March 2, 2012. The sessions were chaired by Prof. S.M.S. Chauhan, Head, Department of Chemistry, University of Delhi, Prof. A. K. Ghosh from IIT Delhi, Dr. V. B. Lall, SCJ Polymers, Prof. G. L. Verma, Head, Department of Applied Chemistry and Polymer Technology, Delhi Technological University. The lectures were delivered by Dr. R. K. Khandal, Prof. A. K. Bakshi, Prof. N. B. Singh from Sharda University, Dr. P. Thavamani from IRMRA, Mumbai, Dr. Ruchin Shrivastava from Bayer Material Science Pvt. Ltd., Dr. Joseman Jacob from IIT Delhi, Dr. Kinkar Mukherjee from Reliance Industries and Dr. B. D. Malhotra from Delhi Technological University. Students and faculties from various institutes like Shri Ram Institute for Industrial Research, Delhi Technological University, University of Delhi, GGSIP University and Netaji Subhas Institute of Technology added value to the seminar.

Extra Curricular Activities Committee

(Convener- Dr. Susmita Dey Sadhu)

“We in Bhaskaracharya College of Applied Sciences believe that the education is not mere learning of many facts and figures but the training and igniting young minds to think beyond

textual knowledge”. BCAS in every academic year organizes wide variety of extra curricular activities, including fun filled fiesta *SRIJAN*, annual college cultural festival. This year, It was held for two days on February 7-8, 2011. Each event was having its own speciality. Famous Bhangra group “*Rangla*” was invited as star performance. Students of various colleges participated in different activities such as Rangoli, Debate, Extempore, Rock Band, Funky Hairstyle, Face Painting, Dancing, Singing, Street Plays and many more. This year “Songs of India” an inter college choir competition was also organized by the ECA committee and the Music Club of the college in association with the Cultural Council, University of Delhi on September 24, 2011. Students from various colleges showed their talents and speciality. In addition to these activities, ECA also Celebrated Independence Day function.

Music Club

(Convener –Bikramjit Kaur)

The Choir Group and Rock Band Group of the college performed during the Independence Day Celebration, Inter College Cultural Festival ‘*Srijan*’ and during inaugurations of various events. The students participated and performed in various Inter-College music competitions held on the other colleges and also brought laurels for the college. Students of our college secured 3rd position in the “Songs of India” a choir competition and outstanding performance award in Solo Instrumental Competition, both held during “Antradhavani-2012” a cultural fest of University of Delhi.

Dance Club

(Convener-Dr.Renu Baweja)

Dance club of the college organized a Dance Workshop on Zumba dance form in the college campus on 23rd September in collaboration with Zenith Dance Institute Pvt. Ltd. Mirrors were installed on one complete wall in the Girls Common Room for the dance club and has helped the dance practices immensely. Dance Group of the college on the occasion of Independence Day gave an enjoyable performance. The club also organized Group Dance Competition, Duet Dance Competition and dance performance by the members of Projekt Street dance crew during the College Annual Cultural fest “*Srijan*”

Dramatics and Fine Arts Club- Darpan

(Convener- Ms. Poonam Sharma)

‘DARPAN’ the Dramatics and Fine Arts Club of Bhaskaracharya College of Applied Sciences organized the following activities:

- The Club enacted a street play named ‘DELHI 2010’, throwing light on the major issues of Delhi. The play won the 1st prize at “UTSAV”-the cultural festival of Sri Ram Centre, Mandi House, New Delhi.
- In the month of August, Darpan produced a play on the theme “Cancer is preventable and curable” and performed the same at a competition organized by The Women’s Association, Delhi University, held at Faculty of Arts, North Campus. The performance was appreciated by the Vice Chancellor of Delhi University, Prof. Dinesh Singh.
- In October, it organized the event...DELHI MERI JAAN, setting up a fun and frolic mood among the students of the college. The event concluded with a scintillating performance of the stage play named DAVAT-e-KHICHDI by the Dramatic Society of Deen Dayal Upadhyay College –YAVANIKA,

- Darpan organized a highly applauded street play competition in the annual cultural festival of the college, SRIJAN 2012. The event witnessed outstanding street play performances by some of the best teams like *Ibtida* (Hindu college), *Vayam* (Shivaji college), and many more, leaving the audiences spell bound.
- The Club came up with their annual street play production named “GUNEHGAAR KAUN HAI??”. The topic raised in the play was the sensitive issue of Reservation, based on the prevailing caste system in India. This play also became a part of Seminar on Human Rights which was organized on 13th of March 2012 in the college. The Club also has to its credit, the selection amongst very few finalists of the cultural fest of University of Delhi-ANTARDHVANI 2012.

Photography Club

(Convener: Dr. Jitender Kumar)

The photography club teaches its members the art of photography and self rectification of the instruments in case of minor faults.

- The club organized a photography competition on the topic “*Independence Day*” in the month of August.
- It organized an inter-college **Photography Competition** on the theme “*Dilli Ki Sardi*” on February 8, 2012 and an “On the Spot” competition on the theme “*First Day Srijan Photography*” to capture the spirit and vibrancy of the Annual Festival SRIJAN, 2012.
- An inter college “*Photography Competition Cum Exhibition*” was held on “HUMAN RIGHTS” in the Seminar on 13th March 2012.

Debate and Quiz Club

(Convener- Dr. Tejpal Dhewa)

- An Inter-Departmental Quiz Competition was organized on Aug. 12, 2011.
- On Sept. 07, 2011: A Quiz Competition (Ozone Day) was organized.
- Sept. 14, 2011: An Inter-Departmental Debate Competition (*The Jan Lok Pal Bill: A Panacea for Corruption*) was organized.
- Oct. 12, 2011: A Quiz Competition (*Sweden India Nobel Memorial Quiz 2011*). Twenty one students were selected for the grand finale, held at IIT Delhi.
- Nov. 12, 2011: Mr. Shiv Naresh Gangwar & Mr. Manish won consolation prize in Inter-College Business Quiz Competition at Jagan Institute of Management Studies.
- Jan. 06, 2012: Ms. Shefali Thakur got IInd Position in Inter-College Extempore at Hindu College.
- Jan.18, 2012: An Essay writing competition (*Awakening India*):Ist prize: Ms. Shefali Thakur,& Ms. Anuradha.
- Jan.16 -20, 2012: Mr. Praveen K. Tripathi, won IInd prize (Kalam Se....) &IVth (Kavi Hun Mai....) in SPANDAN 2011-2012 at Shri Ram College of Commerce.
- Jan. 30, 2012: Ms. Anukriti participated in Inter-College Essay writing Competition at SPM College.
- Jan.31, 2012: Ms. Akanksha Khanna & Ms. Neha Kalra participated in An Essay writing Competition (*Hundred Years of Civil Aviation in India*) by Pawan Hans Helicopters Ltd.
- Feb. 3, 2012: Mr. Praveen K Tripathi won IIIrd prize in Inter-College Debate competition at BRAC.

- Feb. 7, 2012: An Inter-College Debate: Ist position: Mr. Chandan K. Tripathi (Rajdhani College); IInd: Mr. Praveen K Tripathi (BCAS); IIIrd: Ms. Anuradha Roy & Mr. Sandeep (BCAS).
- Feb. 8th, 2012: An Inter- College *Extempore*: Ist position: Mr. Sandeep (BCAS), IInd: Mr. Rajat (DIAS, I P University) & IIIrd: Mr. Praveen K Tripathi (BCAS).
- Feb. 11, 2012: Mr. Praveen K Tripathi won Ist prize (creative writing) in Inter-University Cultural Festival at PGDAV.
- Feb. 15, 2012: Mr. Shiv Naresh Gangwar & Ms. Ankita Singh participated in Inter-College Quiz Competition (Newtonian) at K M C.
- Feb. 16 2012: Mr. Praveen K Tripathi won prizes in poetry (IIIrd) & creative writing (IInd) at Khalsa College.
- Feb. 24, 2012: Mr. Praveen K Tripathi won Ist prizes (Poetry and creative writing, Extempore) at SPM College (DU).

NSS Unit

(Convener- Dr. Parthasarthy Pal)

Students of the college participated in the Campaign Against Smoking organized by the University of Delhi. The posters from our college were selected to be displayed in the exhibition held in the North Campus, University of Delhi from 24th November to 3rd December 2011. Students, along with the Programme Officer, participated in a Disaster Management Orientation Program at Kirori Mal College, University of Delhi on 17th November 2011. A blood donation camp was organized in the college on 28th February 2012 in collaboration with All India Institute of Medical Sciences (AIIMS) Blood Bank, New Delhi.

Equal Opportunity Cell/ Enabling Unit

(Convenor- Dr. Ramesh Kataria)

- A poster-making Competition was organized on January 25, 2012 on Disability: A Challenge for Society.
- On January 25, 2012, a talk on Disability issues was delivered by Mr. T. D. Dhariyal, Dy. Chief Commissioner (For Persons with Disabilities), Ministry of Social Justice and Empowerment, Govt. of India.

Yoga Club

(Convener- Ms. Shweta Gupta)

The Yoga Club of the college invited eminent yoga experts from Bhartiya Yog Sansthan and organized the following activities:

- An informative demonstration on ‘Yog Aasanas Requisite for Tension Relief’ was held on September 21, 2011.
- The Club organized a demonstration on ‘Pranayam’ on November 2, 2011
- A one day Yoga Camp was organized on January 18, 2012.
- An Inter College Yoga Competition was held on February 8, 2012 on the occasion of annual cultural festival ‘SRIJAN-2012’.

Sports Committee Activities

(Convener- Dr. Pawas Goswami)

This year the college teams participated in several inter-college games such as Football, Volleyball, Basketball, Badminton and Cricket. The cricket team of the college reached pre-quarterfinals in the Inter College Tournament organized by Delhi University. At individual level Mr. Rajinder Singh Mehra of Polymer Science participated in the badminton tournament held at Lady Hardinge Medical College and bagged 1st position. Doubles team of Mr. Rajinder and Manish Kharb (Physics Department) bagged second position in the tournament.

Annual Sports Meet of the college was held on 1st March 2012. This meet was inaugurated by Dr. Ravi Chaturvedi, famous cricket commentator. Several Competitions in the games like volleyball, badminton, table tennis, chess and cricket were held for the students. Track events were also held for students and staff members during the meet. The highlight of the meet was the cricket match played between Physics and Computer Science departments in which the latter team emerged as winners.

College Library

(Librarian- Dr. Ranjeet Thakur)

The current financial year has been a milestone in the history of library in terms of allocation of funds to the library and its utilization. This year library has been allocated Rs. 1950000/= for purchase of books and furniture. This year library has added more than 4000 books to its collection. This amounts to nearly 20% of the total collection around 21,000. Library circulation has reached the figure of 73390 during the period of July 2010 to June 2011. Library organized three book exhibitions this year 2011.

The library blog is being updated time to time and since the start of the blog, nearly 3500 page views have been recorded from various parts of the globe including India (3245), US (102), Germany (44), Russia and France (14 each) and UK (13) etc.

Entrepreneurship Awareness Camp

(Coordinator: Dr. Amit Kumar)

It is felt that an awareness camp needs to be organized to enable our students about Entrepreneurship. Therefore, it was decided to organize a three day Entrepreneurship Awareness Camp (EAC) for our college students in collaboration with Innovation & Entrepreneurship Development Centre (IEDC), Acharya Narender Dev College (University of Delhi) from January 4 to January 6, 2012 in our college campus. This camp was sponsored by National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (Government of India).

The chief-guest for the function was Dr. (Mrs.) Anita Gupta, Joint Director-NSTEDB, Department of Science & Technology, Ministry of Science & Technology (Government of India). The guest of honour, for the occasion was Mrs. Kalpana Sinha, Senior Consultant, National Entrepreneurship Network (NEN) along with our Principal, Dr. Jai Prakash. The activities also included amotivation talk by First Generation Entrepreneur by Mr. Sanjeev K Pandey, Mr. Jatin Modi and Mr. Sudhir Zotshi. This also included the important talks by Mr. Sanjay Kapoor, Mr. Sanjay Vohra and Mr. Lokender Rao Jadav. On January 6, 2012 the

participants visited Technical Services Centre, NSIC, Okhala where they were introduced to various plans and entrepreneur activities.

Lecture programme on Swami Vivekananda (Co-ordinator: Dr. Susmita Dey Sadhu)

Ramkrishna Mission has conducted a nationwide youth awareness programme in various colleges and universities in India. Under this programme a lecture on Swami Vivekananda was organized in Bhaskaracharya College of Applied Sciences. 300 copies of the book entitled “Awakening India” by Swami Vivekanda were also distributed among the students and faculties. Later on an essay writing competition on Swamiji was also organized by R. K. Mission.

Seminar on Gandhism by Gandhi Study Circle (Convener: Mr. Ramesh Kumar)

Keeping in view of the philosophy of Mahatma Gandhi, first time in the history of our college, the “Gandhi Study Circle” organized a seminar on “GANDHISM”. Prof. (Ms) Ashum Gupta (Director of Gandhi Bhawan, University of Delhi) was the Chief Guest on the occasion. In this seminar, a lecture based on “Gandhism” was delivered by Prof. Rajiv Vora (Chairman of Swaraj Peeth). Inter college competitions like quiz, debate and group discussion were also organized

Seminar on Human Rights (Conveners- Dr. Prerna Malhotra & Dr. Veena Vasandani)

Bhaskaracharya College of Applied Sciences organized a Seminar on Human Rights on 13th March 2012 in collaboration with National Human Rights Commission, Govt. of India. The eminent scholars from JNU, Prof. Pralay Kanungo, Chairperson, School of Political Science, Centre of Social Studies; Prof. Aswini Ray, Retd. Prof. in International Relations, School of Political Science, Centre of Social Studies and Sh. J.S. Kochher, Jt. Secretary, National Human Rights Commission left the audience spell-bound with awe and admiration with their scholarship on the topic.

The icing on the cake was the organization of inter-college competitions like documentary making, composing and reciting a poem, photography, collage-making and graffiti on Human Rights. The students of the Dramatics Club of the college also showcased a street play *Gunahgar Kaun hai..?*