

## Annual Report 2015-16

Hon'ble Chief Guest, Dr. Satyapal Singh ji, Member of Parliament and former Commissioner of Police, Mumbai, Guest of Honour, Mr Shiv Kumar, IAS, Director, Higher Education, Govt. of NCT of Delhi, Mr.R.N.Vats, Hon'ble Chairman of the Governing Body, distinguished guests, colleagues, parents and dear students. It is my privilege to welcome you all on the occasion of 26<sup>th</sup> Annual Day of our college.

Dr. Satyapal Singhji is a Member Lok Sabha from Baghpat Constituency, Uttar Pradesh. He is M Sc., M.Phil (Chemistry), M.A. and Ph. D.inPublic Administration and MBA (Strategic Management). He is educated at Meerut University, University of Delhi and from University of Wollongong, Australia.

He has been a Member of Joint Parliamentary Committee on Security of Parliament House Complex; Member, Standing Committee on Home Affairs; Member, Joint Committee on Salaries and Allowances of Members of Parliament ; Member, Consultative Committee, Ministry of Rural Development, Panchayati Raj and Drinking Water and Sanitation; Member, Joint Committee on Office of Profit and Member, U.P. State Minorities Committee.

His areas of interest range from Study of Religions, Terrorism, Extremism, Police, Education, Culture and History to Spirituality. He has authored four books and is working on another four. He has to his credit about 60 papers and articles on Social, Cultural and Philosophical Issues published in professional and other magazines, books and daily newspapers.

Mr. Shiv Kumar is a post-graduate in Geography and started his career in teaching profession as a PGT (Geography) in Central Schools. He also qualified NET in 2004. Subsequently, he qualified for the Indian Administrative Services (IAS) and since held various important positions in Administration. He worked as SDM and then as Additional Collector in Goa. He was Deputy Commissioner in Arunachal Pradesh and last year he has come to Delhi and after working for sometime in Sales Tax department he became the Director (Higher Education).

Mr. R.N. Vats, Chairman, Governing Body is also an Alumnus of the University of Delhi. After doing graduation from Hansraj College, he did L.L.B. from the Campus Law Centre, University of Delhi. He was elected President of the Students Union - Law Faculty. At present he is an Advocate, practicing in various High Courts and the Supreme Court of India. He has been continuously associated with the University of Delhi as a Member of the University Court, to which he was elected from the Alumni. He has been an elected member of the Executive Council from the University Court and is presently a member of the Finance Committee of the University of Delhi. He has been Chairman of Governing Bodies of several colleges in the past, not only in University of Delhi but other institutions as well. Last year he was elected as the Chairman Governing Body of our college.

## ACADEMIC ACHIEVEMENTS

The pass percentage in the University Examination held in April - May 2015 was 86% with 64% passing in I division. Bringing the shine to the alma mater, five students of the batch 2012-15, graduating this year, have attained the distinction of being among the top three rank holders in the University examinations held in 2014-15. Overall twelve students are among the top three in the examinations held during 2014-15. Four students secured I / II position (both semesters), and another three secured I and III position in odd / even semester. The details of the same are given in Table 1:

<b>Table 1: Rank Holders in University Examination 2014-15</b>			
<b>S.No.</b>	<b>Name of Students</b>	<b>Course/Year/Semester</b>	<b>Rank</b>
<b>Toppers 2012-15</b>			
1.	Rachita Kochhar	BBS III Yr.	I
2	Deepavita Madan	BBS III Yr.	II
3	Sandeep Kumar	B.Sc.(H) Electronics III Yr.	I
4	Neha Malik	B.Sc.(H) Mathematics III Yr.	III
5	Mani Bansal	B.Sc.(H) Comp. Sc. III Yr.	II
6	Garurav Narang	B.Sc.(H) Comp. Sc. III Yr.	IV
<b>Toppers 2014-15 (Both Semesters)</b>			
7	Shivam Paliwal	B.Sc.(H) Physics II Yr.	I
8	Nisha	B.Sc.(H) Physics II Yr.	II
9	Aashna Kapoor	Bachelor of Mgt. Studies I Yr.	I
10	Prashasti Singh	Bachelor of Mgt. Studies I Yr.	II
<b>Toppers 2014-15 Odd/Even Semester</b>			
11	Sahiba Kaur	Bachelor of Mgt. Studies IV sem.	I
12	Krati Khandelwal	Bachelor of Mgt. Studies IVsem.	III
13	Surbhi Mittal	B.Sc.(H) Comp. Sc. I sem.	III

## ACTIVITIES IN THE COLLEGE

### Orientation Program

Orientation Program for the fresh batch of students was organised on July 17, 2015 to apprise them and their parents about the value systems and traditions of the college. Later all the departments individually conducted their own induction programs with special reference to introduction of Choice Based Credit System (CBCS) at undergraduate level.

### Founder's Day

The Founder's day of the college was celebrated this year on 24<sup>th</sup> September, 2015. Mr. P. Murlidhar Rao, National General Secretary of the BJP was the Chief Guest on this occasion. Other speakers were Dr. Anirban Ganguly, Director, Shyama Prasad Mukherjee Foundation, New Delhi and Mr. Anupam Trivedi, an emerging

entrepreneur. They stressed upon the idea of *Swadeshi* and *Antyodaya* and talked about acceptable mode of contesting elections and applying the principles of Panditji in business models. This event was presided over by Chairman, Governing Body Sh. R. N. Vats and also graced by Dr. Nand Kishore Garg, Former Chairman of the College Governing Body.

### **Silver Jubilee Celebration**

The college launched a series of events spread thorough out the Silver Jubilee Year 2015-16. The inaugural function was organized on 16<sup>th</sup> September, 2015. Honorable Shri Manish Sisodia Ji , Dy. Chief Minister, Govt. of NCT of Delhi graced the occasion as the Chief Guest of the function. Prof. Anil Tyagi Vice Chancellor, GGSIPU was the Guest of Honour. Shri R.N. Vats Chairman, Governing body, DDUC presided over the function. The day witnessed various intra- college competitive and fun events for the students.

A lecture series was also started with an inaugural lecture on August 20, 2015, entitled “Globalisation - Unfinished Agenda,” by Dr. Waltraut Ritter, Managing Director, Knowledge Dialogues, Singapore. The second lecture was organised on 12<sup>th</sup> February 2016 in which Dr. Urvashi Makkar, Former Director-IMS Ghaziabd talked about the “Role of Youth in Nation Building”.

On 18<sup>th</sup> February 2016, a Kavi Sammelan was organized. The renowned poets like Shri Arun Gemini, Mr. Rachit Dikshit, Mr. Prakhyat Mishra, Dr. Rahul Awasthi, Mr. Sudeep Bhola, Smt. Padmini Sharma, Mr. Madyem Saxena, Mr. Hemant Pandey mesmerized the audience with their poems.

### **Science Foundation**

The science foundation commenced its activities with a Hands-on-Workshop on “Introduction and Applications of UV-Visible Absorption Spectroscopy” during February 08-12, 2016. It was conducted by in house faculty members with 90 participants.

Two lectures were organized in association with National Academy of Sciences, India (NASI) in Feb. 2016 presided over by Prof. Akhilesh Kumar Tyagi, Director, National Institute of Plant Genome Research and President NASI, Allahabad .Dr.(Mrs.) Manju Sharma, Padma Bhushan, Distinguished Women Scientist Chair, NASI, Allahabad gave a talk on “Women in Science” and Prof. Jitendra P. Khurana, J. C. Bose National Fellow (DST), Department of Plant Molecular Biology, University of Delhi, South Campus delivered Dr. B.P. Pal Memorial Lecture on “ A molecular framework of light control of plant development”.

During February 22-23, 2016, A Hands-on Workshop on “VLSI and DSP”, was conducted by experts from Sciencetech Technologies, Indore.

On the Occasion of National Science Day, Professor Patrick Das Gupta, Department of Physics and Astrophysics, University of Delhi talked about “Sound of gravity- Ripples in the space-time geometry”.

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On February 29, 2016, a group of 28 students visited National Institute of Plant Genome Research (NIPGR), Delhi and attended Professor R. C. Gupta Endowment History of Science Award Lecture..

### **Robotics Club**

The Robotics Club organized three workshops conducted by in house faculty members of the club during 2015-16. First, a three-day workshop was conducted on “FireBird V” in the month of August 2015. Other two were on “Getting started with Arduino” in the months of January and February, 2016 respectively. The workshop activities stimulated the learning of the participants and some exciting projects were built by students afterwards.

Five teams from our college were selected for e-Yantra Robotics Competition (eYRC-2016) conducted by IIT-Bombay. Out of five college teams, three teams were in top 15. The college team won the second position in the robotics event “Block Warriors” in Techhertz, the annual festival of Department of Physics and Electronics of Rajdhani College, Delhi University. The team members were **Manish Abhishek, Mohit Singh both from B.Sc.(H) Physics II year and Pawan Kumar Mishra, B.Sc.(H) Electronics I year.**

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

During 2015-2016, around 70 students were recruited by some of the leading companies like Wipro, Ernst and Young, ICICI Bank, Royal Bank of Scotland and Bajaj Capital through campus placement drives.

The students also got selected for on-campus internships. A total of 18 students were selected by Smartex, Green Thumbs and Aditya Birla. Apart from this, several companies like BlueGape, Greymeter, Zomato food Blogger, Social Media Interns, Stint Mint Campus Ambassador Program, Instints, Rebanko.com, IMS, Sports and Fitness Pvt. Ltd, Spoon University, Wipro Earthian, Josh Talks, Feeding India, Tailshift, Walk Leaders, Talent4Assure and Teach for India have invited students for off-campus internships.

To facilitate students, the placement cell organized workshops and training session rounds by prominent organisations like TCS, Catalyst, Bajaj Capital, Times Pro, Teach for India and Eptitude.

## EXTRA-CURRICULAR ACTIVITIES

### Voices - The Debating Society

The activities of the society were initiated this year in the month of August with an intra-college “Just a Minute” competition followed by a group discussion to select new members from a pool of sixty students. In September, Mr. Shaurya Upadhyaya, one of the key members of Dias (an organization for providing training for Debates) interacted with the students and entailed an introduction to Parliamentary Debating, the techniques of argument building and an insight into adjudication.

Voices organized the Conventional Debate Competition in collaboration with Oriental Bank of Commerce titled “Whether or not the multinational companies are liable for human rights abuses in their supply chain?” in October, 2015.

The society initiated the annual Inter College Parliamentary Debate in this academic session. The debaters deliberated on diverse motions ranging from Politics to Media. Sixteen teams across Universities and ten adjudicators participated in the three day event held in April, 2016. The Core Adjudicator for the event was a renowned debater Vipul Nanda from ELI Research India Limited.

The students brought the appreciations by winning Annual Debates of institutions affiliated to different Universities. The exemplary performers of the society are:

#### **Poorva Gupta (BMS Ist Year)**

- Winner Motilal Turncoat Debate;
- Winner Hindu Conventional Debate
- First Runner-up, Laxmibai Conventional Debate.

#### **Shriya Kakkar (BMS Ist Year)**

- Winner Hannah Sen Memorial Conventional Debate,
- Winner Lady Irwin College.

#### **Aarushi Mahajan (B.Sc Life Sciences IInd Year)**

- Winner USLLS Turncoat Debate
- First Runner-up (team) at CBS-JIMS Conventional Debate.
- 2<sup>nd</sup> Prize Team in USLLS Conventional Debate.

#### **Payal Madan (BMS Ist Year) and Pranav Nahal (BBS IInd Year):**

- First Runner-up (team) at CBS-JIMS Conventional Debate.

**Sanjana Saxena (BBS IInd Year)**, an all-rounder performer won 10 prizes in different events like case study, mock stock, paper presentation etc. apart from being a good debater..

- 1<sup>st</sup> Position in Wolf of Dalal Street, NSIT
- 1<sup>st</sup> Position in Financial Case Study, NSIT ;

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- 2<sup>nd</sup> Position in, Hans Raj College
- 3<sup>rd</sup> Position in Case Study Competition: Consulting Knights, DTU.
- 1<sup>st</sup> Position in Paper Presentation at Ramjas College,
- 1<sup>st</sup> Position in Paper Presentation Maitreyi College,
- 1<sup>st</sup> Position in Paper Presentation SGGSCC
- 1<sup>st</sup> Position in Paper Presentation ARSD
- best interjector at SGGSCC, DU.
- 1<sup>st</sup> Position, Paper Presentation, Kalrav, DDUC

### **Sangyaan (Quiz Wing of Student Activity Board)**

Sangyaan is an initiative of Student Activity Board for organizing and managing participation of students in Quiz events. The students have participated and won sixteen competitions across Universities and were finalists in 9 competitions. Some of the achievements at individual and team level need a mention.

#### **Gunjan Mishra of B.Sc. Zoology (H) 3<sup>rd</sup> yr and Sushant Raj B.Com (H) 3<sup>rd</sup> yr (Quiz Team won 7 prizes and were among finalists in four)**

- 2<sup>nd</sup> prize in Geography Quiz at Miranda House and
- 2<sup>nd</sup> prize India Quiz at Ambedkar University;
- 3<sup>rd</sup> prize at AIIMS Delhi,
- 3<sup>rd</sup> prize St. Stephen's College,
- 3<sup>rd</sup> prize Gargi College,
- 3<sup>rd</sup> prize Ambedkar University,
- 3<sup>rd</sup> prize Daulat Ram College and
- finalists in Ramjas College,
- finalists Politics Quiz at Gargi College,
- finalists General quiz at Ambedkar University and
- finalists, Hansraj College.

#### **Himanshu Bisht of B.Sc(H).Computer Science 2<sup>nd</sup> year**

- Winner Logo Quiz at DUCS and
- 2<sup>nd</sup> position with **Lovekesh Digwal of B.Sc. Zoology (H) 3<sup>rd</sup> year** in Cricket Quiz at Maharaja Agrasen Institute of Technology (MAIT).
- finalist in Politics Quiz at Gargi College, General quiz at Ambedkar University  
finalist in Logo Quiz at Bharati College along with **Sagar Sameer Sharma of B.Sc. Physics(H) 2<sup>nd</sup> year.**

#### **Anindya Vohra and Nishkarsh of B.Sc. Life Sciences 2<sup>nd</sup> year**

- finalists in Logo Quiz at Bharati College.

#### **Gunjan Mishra along with Dhruv Khatri of B.Sc.Zoology 3<sup>rd</sup> year(4 prizes)**

- 1st Environment Quiz at Shaheed Bhagat Singh College.
- 2<sup>nd</sup> prize in History quiz at St. Stephen's college as a member team
- 2<sup>nd</sup> prize in environment Quiz at Zakir Hussain College

- 3<sup>rd</sup> prize in India Quiz at Zakir Hussain College as a member team.

**Sushant Raj(B.Com (H) 3<sup>rd</sup> year)**

- won Literature Quiz at Maitreyi College as a member team,
- 2<sup>nd</sup> prize in General Quiz at Miranda House along with **Dhruv Khatri** of B.Sc (H) Zoology 3rd yr.
- 2<sup>nd</sup> Prize at Rajdhani College as a member team
- Finalist in Ramjas College along with Trisha Haldar of B.Sc. (H) Phy 2<sup>nd</sup> Year.

**Raaga- The Dance Society**

The choreography team brought laurels to the college by winning a number of positions in inter college competitions held across universities. The team won **9 prizes** with following positions during the academic session:

- First position in Birla Institute of Technology and Science(BITS), Pilani
- First position in Management Education and Research Institute(MERI) ;
- Second position in Delhi Institute of Advanced Studies(DIAS),
- Second position Vivekananda Institute of Professional Studies(VIPS),
- Second position Lal Bahadur Shastri Institute of Management Studies ,
- Second position Vande Matram 2016, Deen Dayal Upadhyaya College,
- Second position New Delhi Institute of Management Studies (NDIMS)
- Third position in Jagannath Institute of Management Studies(JIMS) and
- Third position IITM Group of Institutions.

**Rhythm- The Music Society**

**Alankaar** – the band of music society (**Tushar Bhatt, Shubham Sharma, Ashutosh , Aditya Ray, Rohan Menon, Swaraj Kulshrestha, Rishi Panda**) won III position in Tarang, Competition held at BITS Pilani in January, 2016. The students got admirations for participating and winning thirteen prizes in various inter college singing events during 2015-16:

**Nikhil Chugh** got I prize in DJ Wars at Jamia Milia Islamia.

**Ashutosh BSc. (H) Maths VI sem** won 7 prizes in solo singing competitions with following positions:

- I prize in solo singing competition at Maulana Azad Medical College,
- I prize Bhaskaracharya College of Applied Sciences,
- II prize at NSIT,
- II prize BITS pilani,
- II prize Materyi
- II prize in duet singing at Maulana Azad Medical College
- III prize at Jamia Milia Islamia.

**Ashmeet Singh of BMS II sem** won prizes in solo singing competition

- II prize at Chitkara University, Punjab

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- II prize Bits Pilani
- III prize at Vivekananda Institute of Professional Studies , Delhi.

**Nikita Kundra BA (H) Eng II Sem** qualified and won two prizes

- Grade VI Vocalist from Trinity College of Music, London in 2015. in:
- I prize at Indira Gandhi Delhi Technical University for Women in western solo singing competition
- II prize in western solo singing at Symbiosis Law School, Noida.

### **MUNClub**

The 2015 edition of Deen Dayal Upadhyaya College Model United Nations (DDUC MUN), one of the most organized MUNs of the Delhi Circuit, was held on 21st and 22nd August 2015 with participation of over 150 teams from all over the country. The conference had two major UN Organs: the United Nations General Assembly (UNGA), the United Nations Economic and Social Council (ECOSOC) and a special committee: All India Political Parties Meet (AIPPM). The level of debate in every committee and the intellect of the delegates both were exceptional. The delegates not only simulated the actual procedures of the organs committee but also came out with collective solutions to agendas of national and international concerns.

Three students achieved the distinctions and awards at various other MUNs organised all over the country.

**Sanjana Saxena (BBS II Ind Year)** got selected as

- Vice Chairperson, Member of Executive Board, UN Human Rights Council, St Stephen's Chandigarh MUN, 2015,
- Deputy Director, Member of Executive Board, IAEA, Punjab Engineering College MUN, 2016.

**Reshma Nair (B.Com(H) Ist Year)** was awarded the

- High Commendation at JSS MUN, 2015 ;
- Special Mention in Mathura International MUN, 2015;
- Special Mention in CGC International MUN, 2016
- Special Mention in St Stephen's MUN during 2016.
- Selected as a part of Delhi International MUN 2016.

**Poorva Gupta (BMS Ist Year)**

- Best Reporter, at St Stephen's MUN.

### **SPIC MACAY DDUC Chapter**

The Spic Macay chapter of the college has been an active, applauded and one of the best hosts to the cultural programs of this movement. On 24th August 2015, Mrs. Usha Ravichandran and Ms. Suman Doonga from its Executive Board gave the introductory remarks followed by the inaugural performance by a world renowned



Sarangi Maestro , Pt. Biwsajit Roy Chowdhury ji, on 3<sup>rd</sup> September 2015. The Sarangi recital mesmerized the gathering of the students and faculty alike.

The year 2016 activities were inaugurated by a Kathak lecture-demonstration by Prerana Shrimaliji on 9<sup>th</sup> February, 2016. She enthralled the audience by her performance and made sure that everyone in the audience took with them, a piece of her art.

A three days pottery workshop was conducted from February 22 to 24, 2016 under the guidance of Shri Om Prakash Galavji, a world record holder and a national awardee. About 30 students learnt the tender art of pottery, making clay figurines and intricate kaagzi pottery.

The screenings of iconic films Wild Strawberries by Ingmar Bergman and Charulata by Satyajit Ray were arranged on 1<sup>st</sup> March 2016. The yearly activities were culminated by a heritage walk to Ghalibki Haveli accompanied by the historian Ms. Aradhna through the lanes of Chandni Chowk. She talked about the changing faces of Chandni Chowk over a period of time.

### **Annual Cultural Festival - Kalrav**

Annual Cultural festival of the college was held during 18<sup>th</sup> -20<sup>th</sup> February, 2016. A total of 34 inter and intra-college competitions were organized during the Kalrav. In events like Solo Singing, Ad-Mad, Battle of Bands, Street sangraam, solo dancing, group dance, debate and mock stock, a number of colleges of University of Delhi participated.

A major attraction of Kalrav' 16 was the Star Night performance by Mr. Guru Randhawa attended by more than eight thousand students from various colleges of University of Delhi.

### **Vande Mataram**

The 2016 edition of Vande Mataram was held on 18<sup>th</sup> February, in collaboration with Culture Council, University of Delhi.

The classical dance competition with the theme of 'Pious postures in motion' witnessed participation from seven colleges of Delhi University. Mr. Artha Negi of Deshbandhu College won the first prize, Ms. Tejasvini of Hansraj College won the second prize and the third prize was won by Mr. Raghav Monga of Sri Venkateswara College.

This year's edition introduced Ballet competition 'Dance of Nature' with the theme 'Environment in World Mythology'. The teams presented how ecological concerns have been addressed in the world mythology be it religious or secular ethics. The aim was to foster environmental consciousness among the youth. The first prize was won by the team from Netaji Subhas Institute of Technology. The team of Deen Dayal Upadhyaya College won second prize and the third prize was won by the team from Janki Devi Memorial College, DU.

## **Adventure Club**

A trekking cum adventure trip of six days from 24<sup>th</sup> to 29<sup>th</sup> September 2015 was organized to Valley of Flowers, a UNESCO World Network of Biosphere Reserves. Valley of Flowers National Park is located in West Himalaya, Uttarakhand, India. At 3352 to 3658 meters above sea level, the gentle landscape of the Valley of Flowers National Park has rugged mountain wilderness of Nanda Devi National Park to the east. A group of 22 students from various disciplines accompanied by faculty members enjoyed the meadows of endemic alpine flowers and the variety of flora.

## **Eco-Club**

The inaugural lecture was delivered by the noted wildlife biologist Dr. Faiyaz Ahmad Khudsar on “The Challenges to Biodiversity” with special reference to the environmental laws pertaining to conservation of Asiatic lion in India in September, 2015.

To commemorate the World Sparrow Day, a group of 120 students visited and observed different species of birds at Sultanpur National Park (erstwhile Bird Sanctuary) on March 19, 2016. They got an opportunity to see different migratory birds and their exposure to various threats while visiting the National Park.

A cleanliness and environmental awareness drive was also organized in nearby areas of the college campus on February 3, 2016.

## **NSS**

The activities of NSS started with an orientation program in August introducing the motto and working of the NSS to new volunteers. A cancer awareness program was also organized on 31<sup>st</sup> August in which Ms. Nitilekha who is herself a breast cancer survivor addressed the students and told them about possible ways of reducing the risk of the disease as well as how to face it courageously.

The prime activity of the Unit is to teach underprivileged children. Every volunteer devotes some time teaching the children living in nearby Shadipur slum or at a school run by an NGO called “ROPIO” in Ramesh Nagar. This year, an informal school ‘Pathashala’ was started for children of Sudamapuri, a slum near the college. Initially it was run in the college premises but later relocated to their living place in a makeshift tent.

The volunteers also initiated a drive among the students and staff of the college to collect usable books, stationery, toys, clothes and other useful items which can be reused by needy children.

The volunteers participated in the programs organized by the NSS Center of Delhi University. This year one volunteer Gurpreet of B.Sc. (H) Mathematics III year was selected for the Pre Republic day Camp.

## **Women Development Cell**

The activities commenced with an orientation program on 5<sup>th</sup> August 2015 with enrollment of around 100 students both boys and girls. Throughout the year, the members conducted a number of in house interviews and survey on various issues related to gender discrimination covering the views of individuals from all sections of the college- be it the students or faculty or other employees. The data and its analysis were published in the college magazine as an article.

Two lectures were organized on gender discrimination in education and in Judiciary. In August, Prof. Sadhna Saxena (Head, Dean, Central Institute of Education, Univ. of Delhi) based her lecture cum discussion on gender discrimination in education where relevant recording of in house interviews were also played. Dr. Usha Ramanathan, a lawyer and researcher from Univ. of Delhi spoke about the gender bias of the judges and how it affects the judgments on 13<sup>th</sup> January 2016.

WDC members collected video clippings from advertisements and movies reflective of gender biases. A show of these videos was held on 15<sup>th</sup> October, 2015 followed by a discussion on portrayal of women in media and how it impacts the society.

The cell culminated its activities on a positive note by putting up a poster exhibition called 'The Rebels', on 17<sup>th</sup> and 18<sup>th</sup> March, 2016 celebrating extraordinary struggles of Indian women in achieving something in their personal lives or doing something meaningful for the society while overcoming adverse circumstances. Over 70 posters were put up at the exhibition and video clips related to these women were simultaneously screened.

## **Gandhi Study Circle**

The Gandhi Study circle organized a Lecture titled “Gandhian Philosophies” by Deepak Sharma (Swadeshi Jagran Manch) and Dr. Gautam Choubey (ARSD College) on Oct., 1, 2015.

## **Library**

The library held its orientation program on 17<sup>th</sup>, July 2015, for the students of batch 2015-16. The students were informed about library system of the college so that they can better access the resources available.

Our library is fully computerized and uses library software. It has a rich and active collection of text-books and reference books, 42,372 in number with an up-to-date bibliography database. Overall 68 journals & magazines of national and international repute in the relevant subject areas are subscribed. Besides this the library subscribes to 15 national newspapers. It has 594 bound volumes of journals and 780 CDs in its collection.

To complement class-room teaching with e-learning, the library has computing facility comprising of 25 PC with Internet access. Through the University dedicated fiber-optic link, the library has access to more than 44,000 peer reviewed journals,

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84 databases and other educational materials subscribed by the University of Delhi. Through the NLIST program of UGC-INFLIBNET, the facility of remote access to more than 6000 e-journals and 97,000 e-books is provided.

In addition, relevant subject material and other useful information available in public domain are downloaded on to its local network for students' ready reference. Last year, library provided book-bank facility to 50 students on select basis.

### **Self – Defense Course**

Understanding the importance of safety issue of girls, the college organizes every year a self-defense training program in association with Delhi Police. This year, the training workshop was held in the college campus from 23rd February to 8th March 2016. Around 60 girls from various courses attended this program. The objective of this training was not only to build the self confidence but also equip these girls to handle all situations like stalking, eve teasing etc. At the time of attack or crisis various techniques to use their belongings like mobile phone, handbag, pen etc were taught to girls by the trainers.

## **Sports**

The students participated and won positions in International, National, State, All India Inter-University and Inter-College Tournaments.

### **Achievements at International Level**

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**Aman Saini of B.A.I year** brought laurels to college by winning the Bronze Medal at international level as a **member Indian Team in Archery (Compound) for Asia Cup (Junior) Stage-I**. The event was held from 20th to 26<sup>th</sup> March, 2016 at Bangkok, Thailand.

### **Achievements at National & All India Inter-University Tournaments**

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A number of students have participated as well as won positions in national and All India Inter University Tournaments of various games like Net Ball, Basket Ball, Soft Ball, Ball Badminton etc. The student wise achievements need a mention ( Table 2).

**College Korfball Team: Participation in 27<sup>th</sup> Senior National Korfball Championship, Nagpur, Maharashtra 5<sup>th</sup>- 8<sup>th</sup> March '16**

- Himanshu Sharma B.Com. (H), II Sem.
- Vaibhav Kumar B.Sc. Chemistry (H), IV Sem.
- Deepak Pant B.A Prog., II Sem.
- Mansi Ahuja B.A.Eco (H), VI Sem.
- Pooja Yadav Bms, VI Sem.
- Akshita Bhardwaj B.Sc. Mathematical Sci., II Sem.
- Aarti B.Com. (H). IV Sem.
- Yamini Bansal B.Sc. Physical Science, IV Sem.
- Sadhana Basumatary B.Com. (H)., IV Sem

<b>Table2: Achievements in National and All India Inter-University Tournaments</b>
<p><b>1. Alpana Singh B.A Eng. (H), IV Sem.</b>  <b>3<sup>rd</sup> Place</b> in 28<sup>th</sup> Junior National Netball Championship, Chandigarh 25<sup>th</sup>-28<sup>th</sup> June'15  <b>2<sup>nd</sup> Place</b> in 33<sup>rd</sup> Senior National Netball (Men &amp; Women) Championship, Greater Noida, U.P., 24<sup>th</sup> to 30<sup>th</sup> March 2016. and <b>participation in</b>  National Level Women Sports Competition (Basketball, Grp 1), Hyderabad 9<sup>th</sup>- 12<sup>th</sup> Feb'16</p>
<p><b>2. Raees Alam Botany (H), VI Sem.</b>  <b>Participation in</b> 37<sup>th</sup> Senior National Softball Championship, Chandigarh 27<sup>th</sup> Oct-1st Nov'15 &amp;  All India Inter University Softball Competition, L.P.U, Phagwara, Punjab 14<sup>th</sup> Feb 2016</p>
<p><b>3. Aayush Kr. Jha B.Com. (H), VI Sem.</b>  <b>Participation in</b> 8<sup>th</sup> West Zone National Softball Championship, Indore 6<sup>th</sup> -8<sup>th</sup> July'15 &amp;  61<sup>st</sup> Junior National Ball Badminton Championship, Bhillai, Chhattisgarh, 24<sup>th</sup>-28<sup>th</sup> Sep'15 &amp;  All India Inter University Ball Badminton Competition, Mangalore, 2<sup>nd</sup>- 6<sup>th</sup> Jan'16.</p>
<p><b>4. Naveen Chaudhary B.A (Prog), IV Sem.</b>  <b>2<sup>nd</sup> Place</b> in 7<sup>th</sup> Inter Zonal National Softball Championship, 10<sup>th</sup>-12<sup>th</sup> Jan'16  <b>3<sup>rd</sup> Place</b> in North Zone Softball Championship, Parwanoo (H.P) 6<sup>th</sup>- 8<sup>th</sup> Nov'15  <b>Participation in</b> 8<sup>th</sup> West Zone National Softball Championship, Indore 6<sup>th</sup>-8<sup>th</sup> July'15.</p>
<p><b>5. Sugam Mavi B.A Eng (H), VI Sem.</b>  <b>2<sup>nd</sup> place</b> in All India Inter University Baseball Competition, Chandigarh 21<sup>st</sup> Feb- 26<sup>th</sup> Feb'16 and <b>participation in</b>  8<sup>th</sup> West Zone National Softball Championship, Indore 6<sup>th</sup>-8<sup>th</sup> July'15</p>
<p><b>6. Deepak Kumar B.Sc. Physics (H), VI Sem.</b>  <b>2<sup>nd</sup> place</b> in All India Inter University Baseball Competition, Chandigarh 21<sup>st</sup> Feb- 26<sup>th</sup> Feb'16 and <b>Participation in</b>  37<sup>th</sup> Senior National Softball Championship, Chandigarh 27<sup>th</sup>- 1<sup>st</sup> Nov'15</p>
<p><b>7. Himanshu Vats B.Sc. Physics (H), IV Sem.</b>  <b>Participation in</b> 8<sup>th</sup> West Zone National Softball Championship, Indore 6<sup>th</sup>-8<sup>th</sup> July'15 &amp;  in 37<sup>th</sup> Senior National Softball Championship, Chandigarh 27<sup>th</sup>- 1<sup>st</sup> Nov'15</p>
<p><b>8. Himanshu Sharma B.Com. (H), II Sem.</b>  <b>Participation in</b> 61<sup>st</sup> Junior National Ball Badminton Championship, Bhillai, Chhattisgarh, 24<sup>th</sup> – 28<sup>th</sup> Sep'15.</p>
<p><b>9 Akshay Kumar B.Com. (H), VI Sem.</b>  <b>Participation in</b> All India Inter University Softball Competition, L.P.U, Phagwara, Punjab 14<sup>th</sup> Feb 2016.</p>
<p><b>10 Ankit Kasana Maths (H), VI Sem.</b>  <b>Participation in</b> 61<sup>st</sup> Junior National Ball Badminton Championship , Bhillai, Chhattisgarh, 24<sup>th</sup> – 28<sup>th</sup> Sep'15.</p>
<p><b>11. Dheeraj B.A. (Prog), II Sem.</b>  <b>Participation in</b> 8<sup>th</sup> West Zone National Softball Championship, Indore 6<sup>th</sup>-8<sup>th</sup> July'15 &amp;  <b>Participation in</b> 61<sup>st</sup> Junior National Ball Badminton Championship, Bhillai, Chhattisgarh, 24<sup>th</sup> – 28<sup>th</sup> Sep'15.</p>
<p><b>12. Harsh Pandey B.Com. (H), IV Sem.</b>  <b>3<sup>rd</sup> place</b> North Zone Softball Championship, Parwanoo (H.P) 6<sup>th</sup>- 8<sup>th</sup> Nov'15 &amp;  <b>Participation in</b> 8<sup>th</sup> West Zone National Softball Championship, Indore 6<sup>th</sup>-8<sup>th</sup> July'15.</p>
<p><b>13. Divij Gugnani B.Com. (H), IV Sem.</b>  <b>Participation in</b> 8<sup>th</sup> West Zone National Softball Championship, Indore 6<sup>th</sup>-8<sup>th</sup> July'15 () &amp;  <b>Participation in</b> 37<sup>th</sup> Senior National Softball Championship, Chandigarh 27<sup>th</sup>- 1<sup>st</sup> Nov'15</p>
<p><b>14. Nirbhay Singh B.Sc. Physical Science, IV Sem.</b> <b>Participation in</b> 28<sup>th</sup> Junior {U-19} National Netball Championship, Chandigarh, 25<sup>th</sup>- 28<sup>th</sup> June 2015.</p>

**Participation in All India Inter University Netball Championship, Chandigarh  
14<sup>th</sup> – 18<sup>th</sup> March, 2016**

- Nikhil Chaudhary B.A Prog.,II Sem.,
- Akash B.Sc. Physical Science IV Sem
- Nirbhay Singh B.Sc. Physical Science,IV Sem

**Achievements at State Level**

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**3<sup>rd</sup> Place in 18<sup>th</sup> Delhi State Softball Championship, New Delhi, 25<sup>th</sup>-27<sup>th</sup> Mar 2016**

- Rajeev Kumar B.A. Prog, II Sem
- Aayush Kr. Jha B.Com. (H), VI Sem.
- Naveen Chaudhary B.A (Prog). IV Sem.
- Himanshu Vats B.Sc. Physics (H), IV Sem.
- Dheeraj B.A. (Prog),II Sem.
- Harsh Pandey B.Com. (H),IV Sem

**3<sup>rd</sup> Place in Delhi Olympic Games (Netball) 23<sup>rd</sup>- 30<sup>th</sup>October'15 Team:**

- Ekta Jain BBS IV Sem. ,
- Pooja Yadav BMS VI Sem. ,
- Alpana Singh B.A Eng. (H),IV Sem. and
- Mansi Ahuja B.A.Eco (H),VI Sem

**First place in 15<sup>th</sup> Haryana State Kick Boxing Championship, Rohtak 18<sup>th</sup>- 19<sup>th</sup> July'15  
{75-81 Kg Weight Category}**

Hemant Singh B.Sc (H),Botany VI sem

**35<sup>th</sup> Haryana State Archery Championship, Hissar, 24<sup>th</sup>- 26<sup>th</sup> Oct'15**

II Place (Senior Team Event),

II Place (Individual Event),

III Place ( Junior- Individual Event)won by **Amrita Singh Maths (H),VI Sem**

**Achievements at Inter College Tournaments: Individual**

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- Aman Saini of B.A.I year won Inter College Archery Championship of DU.
- Amit Dubey Bsc. Mathematical Science, IV Sem got (3<sup>rd</sup> Place) in Inter College Boxing Championship
- Kuldeep Sagar Bsc Physical Sc. with CSs ,2<sup>nd</sup>Inter College Judo Championship (3<sup>rd</sup> Place)

**College Netball Team- I Place in Inter-College Netball (M) Tournament**

- Akash B.Sc. Phy Sc, IV Sem.
- Nikhil Chaudhary B.A Prog., II Sem.
- Nirbhay Singh B.Sc. Phyl Sc, IV Sem.
- Himanshu Sharma B.Com. (H). II Sem.
- Vaibhav Kumar B.Sc. Chemistry (H)., IV Sem.
- Saurav Yadav Eng. (H)., IV Sem.
- Rohit Tehlan B.A Prog., II Sem.
- Rohit Bhardwaj B.A Prog., II Sem.
- Rahul Gahlot B.A Prog., II Sem.
- Sharad Saxena B.Sc. Phy Sc, II Sem.
- Chirag Lakra B.Sc. Chemistry (H)., VI Sem.
- Deepak Pant B.A Prog., II Sem

**College Baseball Team - III Place in Inter-College Baseball (M) Tournament**

- Raees Alam Botany (H), VI Sem.
- Aayush Kr. Jha B.Com. (H), VI Sem.
- Naveen Chaudhary B.A (Prog)., IV Sem.
- Sugam Mavi B.A Eng (H), VI Sem.
- Deepak Kumar B.Sc. Physics (H)., VI Sem.
- Himanshu Vats B.Sc. Physics (H)., IV Sem.
- Akshay Kumar B.Com. (H)., VI Sem.
- Dheeraj B.A. (Prog), II Sem.
- Harsh Pandey B.Com. (H)., IV Sem.
- Abhijeet Rana B.Sc. maths (H), II Sem.
- Gaurav Kumar B.Sc. Chemistry (H), II Sem.
- Sudhir Kumar B.A. (Prog), II Sem.
- Vijay Bhasin B.Com (H), II Sem. Sem
- Jitender B.A. (Prog), II Sem.
- Rajeev Kumar B.A Prog., II Sem.
- Divij Gugnani B.Com. (H)., IV Sem.

**College Softball Team - III Place in Inter-College Softball (M) Tournament**

- Raees Alam Botany (H), VI Sem.
- Aayush Kr. Jha B.Com. (H), VI Sem.
- Naveen Chaudhary B.A (Prog)., IV Sem.
- Sugam Mavi B.A Eng (H), VI Sem.
- Deepak Kumar B.Sc. Physics (H)., VI Sem.
- Himanshu Vats B.Sc. Physics (H)., IV Sem.
- Akshay Kumar B.Com. (H)., VI Sem.
- Dheeraj B.A. (Prog), II Sem.
- Harsh Pandey B.Com. (H)., IV Sem.
- Rajeev Kumar B.A Prog., II Sem.
- Divij Gugnani B.Com. (H)., IV Sem.
- Jitender B.A. (Prog), II Sem.

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- Abhijeet Rana B.Sc.maths (H),II Sem.
- Gaurav Kumar B.Sc Chemistry(H),II Sem.
- Sudhir Kumar B.A. (Prog),II Sem.
- Vijay Bhasin B.Com (H)s,II Sem. Sem

### Participation (College Team) in Inter College Tournaments

The college participated in 16 Sports with 22 teams in total in the Inter-college Tournaments.

Sport(Men)	Sport(Women)
Basketball, Athletics, Ball-Badminton, Netball, Chess, Archery, Badminton, Cricket, Baseball, Softball, Table Tennis, Taekwondo, Cross Country, Football, Judo and Boxing.	Basketball, Athletics, Ball-Badminton, Netball, Chess and Archery.

### Participation in Run for Unity

The college students and teachers participated in the "Run for Unity" organized on October 31, 2015 to celebrate 'Rahtriya Ekta Diwas' on the occasion of birthday of Sardar Vallabh Bhai Patel.

### DDUC Invitational Softball Tournament

2<sup>nd</sup> DDUC Invitational Softball Tournament was organized on March 10, 2016. Following 5 teams (names of the teams as per position secured in the tournament) participated in the tournament:

1. DeenDayalUpadhyaya College,DU (Alumni team)
2. Swami Shradhanand College,DU.
3. SGTB Khalsa College,DU.
4. DeenDayalUpadhyaya College,DU and Hansraj College,DU.

### Intra College Events

A number of intra college sports events were organized during the year. Intramurals, comprising of Inter-Departmental Tournaments (Football, Ball-Badminton and Basketball), Inter-Class Tournament (Tennis-Ball Cricket) and Intra- College (Individual) Competitions (Chess and Table-Tennis) were organized.

Testing general knowledge of students about various sports, a Sports Quiz, Khel Gyan was organized on February 15, 2016.

The Annual Sports Meet was organized on March 11, 2016. Ms. Shiba Maggon (Former International Basketball Player) graced the occasion.



## SUBJECT SOCIETIES

### **Covalence- Department of Chemistry**

The society organised two subjectlectures in the session. First, lecture on “Chemical entities in Cancer imaging” was presented by Dr. Anil Kumar Mishra, Additional Director, DRDO, and Institute of Nuclear Medicine in August 2015. The second lecture on “the Role of forensic science in white collar crimes”was delivered by Dr. S.C.Mittal Executive Director of premier Forensic Institute & Labs in September 2015.

A National Seminar of two days, supported by commission for Scientific & Technical terminology MHRD, was organized on “Technical Terminology and Science Teaching”in Feb., 2015. The seminar introduced vocabulary prepared by Scientific and Technology Commission of MHRD to the participants ranging from faculty members from various colleges, administrators,scientists,officers and engineerswho in turn will facilitate students to excel in higher education especially from Hindi medium.

The annual fest ‘Rasayanotsava’ was organised on 12th & 13th Feb 2016.

A group of 38 students along with faculty visited Patanjali Ayurved Ltd.Haridwar, Utrkhand in Feb.2016 .They visited food processing and Ayurvedic division at Patanjali Food & Herbal park, Haridwar

Besides various inter class activities were organised during the session such as extempore competition, Discussion on Contemplation of three years of chemistry Education in College, Quiz competition, Paper Presentation etc.

### **Kalpavriksha - Department of Botany**

A lecture series was initiated on Aug., 3, 2015 with its first lecture by Prof. Paramjit Khurana, J.C. Bose National Fellow on “The Joshimath Kalpavriksh - A Genomic insight into Mulberry Research”. Second in the series was by Mr. Veer Kumar, General Manager, Alfatech Services on “Rising Air Pollution in Delhi and Measurement Techniques” on Sep 3, 2015. Third subject lecture was delivered by Dr. Rajendra Gupta, (Centre for Education, Science and Culture, New Delhi) on the topic “Walking with Ancestors-Naming Plants and Animals in the Pre-historic World” on Jan 15, 2016.

A Botanical Excursion was taken toPachmarhi Biosphere Reserve during Oct, 2015. A total of 40 students visited the Reserve along with staff of the department of Botany.

The Annual publication of the Department,” Contemporary Plant Sciences”[ISSN: 2393-8676] Vol. 2, Issue 1, was released in March, 2016.“DELONIX”, two days annual fest organised various inter-college student activities like Brushes on strike on the theme ‘Nature or Environment’, Waste-O-Mania and Photography of Plants etc. The Valedictory lecture for the fest was delivered by Prof. K. S. Rao,

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Department of Botany, University of Delhi titled “Climate Change: Past, present and future implications”.

The Department also instituted a shield Pt. Deen Dayal Upadhyaya Memorial Shield for the winner of its annual debate. This year the issue was “Is Botany lagging in the era of Plant Biotechnology?” and the shield was won by a student of KMC, DU.

The department also organised weekly activities during the year such as Debate competition on “GM Crops: Future Solution?”, Quiz competition on ‘General Science and Botany’, Paper reading competition on “Contemporary plant sciences”, Power Point Presentations, Sketching Competitions and so on.

### **Aryabhatta Science Forum – Department of Physics**

The inaugural lecture of the society was delivered on 18th August, 2015 by Associate Professor, Dr. J.P.Singh from IIT Delhi on "Nanobiomimetic sensors fabricated by using glancing angle deposition". A General Science quiz and an intradepartmental group discussion on Euthanasia were organized in the month of September and Oct, 15 resp.

AAVEG, the two days Science Festival, began with the student activities like Paper Presentation, Impedance, Coding and Group Discussions followed by Science Quiz on the second day. The students got an opportunity to show several science projects in the Science exhibition, as a part of Science festival, on 26<sup>th</sup> and 27<sup>th</sup> February, 2016. The projects displayed were on water level sensing, obstacle detection, radar and automatic corridor light on and off system etc.

Five students, namely Nisha, Shivam Paliwal, Yogesh, Arjun Kumar and Ashish Bisht of B.Sc.(H) Physics VI semester visited Inter University Accelerator Centre (IUAC) along with faculty member on the occasion of National Science Day on 28<sup>th</sup> February 2016 .

### **Silizium- Department of Electronics**

The Society commenced its programs by organizing two lectures to begin with. First, titled “A billion Gate System on Chip(SoC) Design Challenges at Nanometer Technologies” was delivered by Mr. Anuj Rathi, Director, Technical Field Operations for India and South East Asia region at Atrenta-India in Aug, 15 .Second, was a technical talk on “Asynchronous Circuit Design and CAD Tool Design for Asynchronous Circuits” delivered by Ms.Tannu Sharma, Graduate Research Assistant at University of Utah, Vice Chair-IEEE Student Chapter University of Utah on January 15, 2016.

A Technical Visit to Air Traffic Control (ATC), IGI Airport on September 04, 2015 was organized with an objective to make B. Tech Electronics students aware about the air traffic management.

Two workshops were conducted in the session. First one day workshop on VHDL programming and Digital Circuit Designing with 15 participants was conducted by in house faculty members in September, 2015. The second workshop, third in series since 2008, was on “Quantum Mechanics: Theory and Application”. It was

organized jointly with IEEE Electron Device Society-(Delhi Chapter) and The National Academy of Sciences, India (NASI) -Delhi Chapter during March 13-14, 2016,

In October, 2015, the department organized One Day Symposium supported by The National Academy of Sciences, India – Delhi Chapter and IEEE EDS Delhi Chapter to celebrate International Year of Light. It was attended by over 150 students and faculty members from various colleges of University of Delhi. Professor Ajoy Ghatak, (Formerly Professor of Physics @ IIT Delhi) delivered his keynote talk. It was followed by sharing of experiences in the relevant fields by Professor K. Thyagarajan, Department of Physics, IIT Delhi , Mr. Mohammad Yasir Abbas, Senior Application Engineer- Industrial Metrology Business Unit, Nikon India Private Limited.

During January 22-23, 2016, more than 200 students from different colleges of University of Delhi participated in the annual Techfest ‘Urjasva’16’. The Event was jointly organized with IEEE Electron Device Society (EDS) Delhi Chapter and DU Times as media partners. It was an event with a plethora of technical events like Sweep The Wire-Circuit making event, Game Of Sapients-Technical quiz as well as fun filled activities and competitions.

On January 23, 2016, Electronics Alumni Meet was organized in which more than 40 alumni participated.

The highlight of the department is the achievements of its students. The Students of B.Sc. Hons Electronics - II sem Chitransh Mathe , Dimple Bhalla , Sakshi Gupta and Pawan Kumar Mishra Secured First Prize in Inter College Robotics Competition held on March 30, 2016 organized by SSPL, DRDO, Ministry of Defence, Government of India

B. Tech Electronics - VI Semester students: Arushi Gupta, Mr. Rishav Kumar Pandey and Ms. Divya Goel of have secured First Prize in THINK NANO 2016 – National Student Symposium organized by Centre for Nano Science and Engineering (CeNSE), Indian Institute of Science, Bangalore held during March 31, – April 01, 2016. They presented Poster entitled "Simulation and Experimental Verification of Memristor Based XOR Gate".

Mr. Khushwant Sehra and Ms. Arushi Gupta, students of B. Tech Electronics VI-Semester are selected for prestigious Science Academies’ (INSA, NASI, IAS) Summer Research Fellowship Programme for Students and Teachers 2016

## **Synapses – Department of Zoology**

The society began its activities with a lecture on “Drosophila: A Model And A Teacher of Biology” delivered by Prof. Mallikarjun N. Shakarad, Department Of Zoology, University Of Delhi, in August, 2015, Next subject lecture by Prof. Ashok Kumar Singh (Department of Zoology, University of Delhi) was organized on “The World of Insects” in Sep, 2015. Dr. Vipin Singh (Amity University) talked about

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“Introduction to Genomics” in the third lecture of the society held on 9<sup>th</sup> February, 2016.

The society organised a number of intra departmental activities during 2015-16. The group discussions and essay writing topics were “Ban of Animals Use in Zoology”, “Is the decision of ban on animal dissection right for undergraduate students?”, “Vegetarian vs. Non Vegetarian Diet”, essay on “Biodiversity” etc.

An education trip was organized to National Zoological Park, Delhi on 17<sup>th</sup> October, 2015

The annual fest Zoofestea’16 was organized on 4-5<sup>th</sup> March, 2016.

A National Symposium on “Trends in Research and Innovations in Life Sciences at undergraduate level” was organized by the Department of Zoology on 30<sup>th</sup> March, 2016.

### **Abhivyakti - Humanities**

The society initiated its activities with a special Lecture on “India’s trade relationship with Roman Empire in Ancient times” by Dr. Uma Marina Vescion 13<sup>th</sup> August 2015. She spoke about trade relationship, ports on western and Eastern coasts of India where Roman ships used to anchor and the items of exchange between the two nations.

Next in the series was a lecture on 'Hindi mein Rozgaar ki Sambhawnaye' by Dr. Puran Chand Tondon on the occasion of Hindi Diwas, the 15<sup>th</sup> September 2015. He gave very interesting insights about working on development of technical terminologies in Hindi, difficulties faced and attractions of this booming industry.

During October 2015, the society organised a Historical and Academic trip to Kurukshetra. The students had a view of the archaeological site of the mould of Emperor Harshvardhana (Harsh ka Tila). The sites have been excavated, show layers of habitation and the use of burnt bricks, structures, drainage system, jewellery artefacts and others. The museum housed at the Shaikh Chilli ka Maqbara has some of these items displayed. The students then visited the famous and sacred tank where five lakh people take bath on religious festivals.

### **Zest- Department of English**

The Department held an orientation program on the opening day, that is, July 17, 2015 and welcomed the new students and their parents, and introduced them to the various activities, achievements and values of the Department. On July 21, 2015 the Department organized a one-day theatre workshop which was conducted by Mr. Ajay Manchanda and his team, associated with the National School of Drama.

A Gender Sensitization Workshop was held on August 11, 2015 by Ms. Shweta and other members of the NGO, Breakthrough. On Sep.05, 2015, the department celebrated the year beginning party, Rapture, on the occasion of Teachers’ Day and also invited its Alumni. On February 6, 2016, the teacher-in-charge, organized a one

day Haiku walk for students at Sanjay Van, a reserve forest near Qutub Minar. During the walk students were taught how to appreciate Haiku poems, which primarily deal with various aspects of nature. They were also taught how to explore the linkages between natural phenomena and human emotional response. On February 11, the Department of English organized an open Mike session for students to recite and narrate their creative pieces, which were judged by Konika Kawatra from the Department of English, ARSD College. On this occasion, the Department also launched its magazine the *Spectator*.

On March 10, 2016, resource persons were invited from outside to train students in theatre, film, painting, debate and creative writing. From NSD, Mr. Ankur came and conducted a one day workshop on theater. Mr. Anis Popli, the Creative director and Choreographer of Choreotheque, School of Contemporary Dance, conducted a workshop on dance, and Mr. Shantnu Chakravarti on painting. Abhishek Kukreja, who is pursuing Ph. D in film studies from Ambedkar University, held a one day workshop on this occasion on film making. Among the internal faculty, Dr Pramesh Ratnakar held a workshop on creative writing and Nitin Luthra and Lalit Kumar on debate.

A two-day literary festival of Department of English was held on March 15 and 16, 2016 by the ZEST, the literary society of the Department. To showcase the changing face of the Department, where instead of teaching only English literature, we teach world literature, Indian literature in translation and various performative arts, the event was inaugurated with a spring concert by the renowned Hindustani classical singer Vidya Shah.

### **Spettro – Department of Management Studies**

The business plan competitions, Book Review session, guest lectures were the regular intra-departmental activities during the session. A workshop on usage of Statistical packages for research purposes was also conducted .

The fourth edition of Annual Inter School Management Fiesta Orizzonte '15 for school students was inaugurated by Prof. M. L. Singla, Dean, FMS, University of Delhi on 17<sup>th</sup> October, 2015. The five main events: Out of the Box, Stalking the Stock, Vivencia, Couch Potato Quiz and Eureka attracted participation of over 450 students from 30 schools around Delhi NCR.

Another important event was two-day UGC Sponsored National Conference on “Emerging Issues in International Trade and Finance in Post-Recession Period” on February 22-23, 2016. The Chief Guest of the conference was Prof. M. L. Singla, Dean, FMS, University of Delhi and Prof. Victoria W. Mroshink, Jindal Global University gave the Keynote address.

It was followed by a plenary session by Dr. Sanjeev Gupta, USMS, GGSIP University, Prof. Deepak Tandon, IMI, New Delhi, and Dr. Shahid Ahmed, Department of Economics, Jamia Millia Islamia University. In all 42 research papers were selected for the Conference on various themes pertaining to Emerging Issues in

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International Trade and Finance. The paper presenters were from diverse fields of the Academia, Industry and Research.

### **Harish Chandra Mathematical Society –Dept. of Mathematics**

The society organized four lectures during the session. The Inaugural lecture was given by Prof. Manish Thakur from Indian Statistical Institute, Delhi in Aug; 2015. Second was delivered by Prof. J. Jena, NSIT Delhi titled “Calculus and Its Applications on Jan 30, 2016. Prof. E.K. Narayanan, Indian Institute of Science, Bangalore, discussed the “Isometric Problem” on Feb, 8, 2016. Last in the series was the lecture by Prof. N. Raghavendra, Harish Chandra Research Institute Allahabad, on “Algebraic Curves” organized on March 4, 2016.

A number of activities like Mathematical quiz, research paper reading and its analysis, Papers presentations, Poster presentations etc were the part of regular weekly schedule of the society.

In March, 2016, the annual fest MATHRIX-16 organized a number of activities like Mathematical Quiz, Treasure Hunt, Rebus Puzzle, Mathematical Tambola, Geometrical Sketching, Paper Presentation, Mathematical Debate and Sudoku.

### **Optizone- Operational Research**

The society began its activities with a half day Seminar On “Business Intelligence” conducted by the representatives of IBS Business School, Gurgaon on August 20, 2015 in which about 70-80 students participated.

Another two days seminar was organized on “Predictive Analytics” during August, 2015 with sixty five participants. Mr. Pratipal Singh Kalra, member Governing Body inaugurated the seminar. Some of the eminent speakers Mr. Rajbir Singh and Dr. H.K. Dangi were from FMS, DU; and a team from School of Computer and Systems Sciences, JNU; Prof. R.K. Aggarwal, Dr. T.V. Vijay Kumar, and Prof. Subramaniam Bala Sundram addressed the participants.

Next event was a two day workshop on “Marketing Analytics” which organized on 6<sup>th</sup> & 7<sup>th</sup> November, 2015 for the students of Undergraduate/Postgraduate level and Research Scholars. A total of 35 students participated.

The society also conducted a faculty development program in collaboration with IBS business school, Gurgaon on April 13, 2015 by the faculty members of IBS on “Professional Perspective of Finance in Cotemporary World”.

### **Sanganika – Department of Computer Science**

The inaugural lecture of the society titled “New Trends in Data Integration, Analytics and Business Intelligence” was delivered by Dr. Mukesh K. Mohania of IBM Research, Delhi on 17<sup>th</sup> August, 2015. A talk by Dr. Denzil Correa, Post-Doctoral Fellow at Max Planck Institute of Software Systems, Germany, on “Social Computing” was organized on 9<sup>th</sup> September, 2015. Yet another interactive talk by

Mr. Naveen Kabra, an ACM India Eminent Speaker, Co-Founder and CTO at Reliscore.com and Founder of PuneTech.com on “Evolving Programming Languages and its usefulness in IT Sector” was organized on 14<sup>th</sup> October, 2015.

A full day seminar on “Big Data Analytics” on 10<sup>th</sup> October, 2015 benefitted the participants with presence of distinguished speakers from academia and industry. Prof. R. K. Aggarwal, Dean of SCSS, JNU delivered a lecture on Big Data Analysis followed by a lecture on “Moving from Data to Big Data” by Dr. T. V. Vijay Kumar of SCSS, JNU. The next two lectures were delivered by Dr. Biplav Srivastava, IBM Master Inventor at IBM Research on “Big Open Data and Semantics for a real world application near you” and Dr. Mohit Kumar Goel, Principal Data Scientist at InfoEdge on “Data Science”. Both of them were from industry.

A trip to Dharamshala and McLeod Ganj was organized by the Department in collaboration with Lights in Dark Pvt. Ltd. from October 21-24, 2015. The trip included a tough trek to Triund.

Tech-Marathon’16, the annual technical festival of Sanganika was organized on 29<sup>th</sup>-30<sup>th</sup> January, 2016. Zebronics was the title sponsor with DUbeat, CollegeDesk and Orison Films being the media partners. The fest was a huge success with 400+ participants from over 20 colleges of various Universities. There were 14 events in total, like C-benders, Algowls, Treasure Hunt, Spec-wars, Ad-Mad, LAN gaming etc.

Sanganika organized a half-day workshop on “Cyber Security” on February 3, 2016 by All India Women’s Education Association (AIWEFA). AIWEFA along with Hon’ble Minister of Communications and Information Technology, Shri Ravi Shankar Prasad, launched “100 Cyber Security College Workshops Campaign” to bring the student community within the ambit of e-safety, security and redressal.

A UGC sponsored National Seminar on “A Step towards Soft Computing: Techniques and Applications” was held on March 18-19, 2016. Academicians, Research Scholars and Students from institutes like IITD, IIIT, SRM University, Bhartiya Vidyapeeth and from various colleges affiliated to Delhi University participated in it. Some of the eminent speakers gracing the occasion were Prof. D.P Vidyarthi from JNU, Dr. Shikha Mehta from IIIT, Dr. Krishan Kumar Chaturvedi from IASRI, Pusa, Prof. Hardeep Singh from Guru Nanak Dev University, Amritsar, Dr. Aparna Mehra from IIT Delhi, Dr. Deepak Garg from Thapar University, Prof. Anupam Agarwal from IIIT Allahabad, and Dr. Tejas Indulal Dhamecha from IIIT Delhi.

### **CommUnity – Department of Commerce**

The Department initiated its yearly activities by organizing one day Faculty Development Program on ‘Computerized Accounting System’ for faculty members of various colleges of University of Delhi in association with Indian Accounting Association- Delhi Chapter and Tally Education Pvt Ltd. in Aug 2015. More than 250 members participated in two batches spread over two days. Another one day

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FDP was organized on 'Recent Changes in Direct Tax Laws' in association with Indian Accounting Association- Delhi Chapter for the faculty members of the University of Delhi in Aug, 2015.

The society organized one full day intra-college event Expanze which was a blend of fine-arts, socio-cultural, literary and informal events in Sep., 2015.

Mr. Vinesh Chhabra (Ex director NIESBUD), Govt of India and alumnus of FMS conducted a workshop 'Ignite-1.0,' focusing on grooming, body language, cracking job interviews etc in Oct, 2015.

The regular weekly activities motivated students to learn and share ideas through subject discussions like Budget discussions, Currency devaluation of China, etc.

The annual festival 'Zucitva', was organized in Feb.,2016 having an array of events and activities like 'Corporate Roadies', 'Toss-The-Loss'(conducted by the associates of BSE), Biz-Le-Lotto, etc.

Anurag Bansal, Vice President (Sales) Career Launcher had an interactive talk on various career options for commerce students in March, 2016.



## ACHIEVEMENTS OF THE FACULTY

It is a matter of pride to see that the research repository of the college has grown manifold over the years. During 2015-16, the faculty members have received grants from UGC for one **major project** and three **Startup Grants** (Table 3) and six **innovation projects** granted by University of Delhi (Table 4). A total of 28 post graduate students are enrolled for Ph. D, M Phil and summer projects under the guidance of some of the faculty members.

The year witnessed publications of 68 articles in International, National Journals and Periodicals. The books published are 14, chapter in books 14, edited books and conference proceedings again are 20 in number. Oral and poster presentations by faculty in International and National seminars and conferences are 15 and 10 respectively.

The contribution of Mr Sanjai Sharma, Lab Assistant, Department of Chemistry needs a special mention.

### PROJECTS / GRANTS

<b>Table 3: UGC Projects</b>			
S. No.	Nature	Project Title.	Project Investigator
01	Major/ UGC	Physics Based Modeling and Simulation of Channel Material Engineered Ring FET for Sensing Applications	Dr. Manoj Saxena
02	Startup grant/ UGC	Solution-based synthesis of graphene quantum dots and study of the photoluminescent emission property Approved, letter to be received.	Dr Jyoti
03	Startup grant UGC	Facile access to nucleobase-modified nucleosides <i>via</i> Diels-Alder reaction Approved, letter to be received.	Dr Kapil
04	Startup grant UGC	Magnetically active ionic liquids: Design, synthesis and their application in organic transformations Approved, letter to be received.	Dr. Sunny Manohar

<b>Table 4 : Innovation Projects granted by University of Delhi</b>		
<b>S. No.</b>	<b>Project Title /Innovation Project No.</b>	<b>Project Investigator</b>
01	Energy Harvesting by Plant-based Dye-sensitized Solar Cells ( DDU-301)	Dr. P. L. Meena Dr. Sanjay Tandon Dr. Mahaveer
02	Mathematical Modeling and Simulation of Circular and Non-circular Gate Geometry Junctionless Nanoscale Transistor and co-integration with Memristor Based Electronic Circuits ( DDU-302)	Dr. Manoj Saxena, Dr. Poonam Kasturi Ms. Mamta Amol Wagh
03	Study of Nutritional Content and Antioxidant Activity of Various Fresh and Packaged (under various brand names) fruit & vegetable juices using chemical reagents and mobile phone as spectrophotometer ( DDU-303)	Dr. Chayannika Singh Dr. Pradeep Kumar Jha Dr. Sangeeta Talwar
04	Elucidation and Validation of Molecular Basis of The Anticancerous Effects of Taxol ( DDU-304)	Dr. Varnika Bhatia Dr. Reeta Kumari Dr. Sudhir Verma
05	Exploration and synthesis of Materials for Dye-sensitized Solar Cell with improved Efficiencies ( DDU-305)	Dr. Jyoti Dr. Poonam Suri Dr. Sunny Manohar
06	Mahila Bank in India: A Catalyst for Economic Empowerment of Women ( DDU-306)	Mr. Vipin Kumar Meena Dr. Sunil Kumar Mr. Pawan Kumar Jain

### **Research Guidance**

Some of the faculty members are actively involved in research guidance to post-graduate students. At present, thirteen students are registered for Ph. D, one for M. Phil and eleven in summer projects for guidance under the supervision of college faculty members.

### **Distinctive Achievements**

1. **Arpita Sharma** appointed as Member, Board of Research Studies (Mathematical Sciences) 14/10/2015 to 13/10/2017.
2. **Arpita Sharma** appointed as Member, Departmental Research Council (Computer Science).
3. **Manoj Saxena** appointed as Regional Editor South Asia – IEEE EDS News Letter (ISSN 10741879) published quarterly by the Electron Devices Society of the Institute of Electrical and Electronics Engineers, Inc, Headquarters: 3 Park Avenue, 17<sup>TH</sup> Floor, New York, NY, Printed in USA.

4. **Manoj Saxena** received Best Paper Award in Session – 1 (Paper ID: 1570186951) for presenting paper entitled “Analysis of Cylindrical Gate Junctionless Tunnel Field Effect Transistor (CG-JL-TFET)”, Ajay, Rakhi Narang, **Manoj Saxena** and Mridula Gupta, 12th IEEE India International Conference, INDICON 2015, on Electronics, Energy, Environment, Communication, Computer, Control, (E3-C3) held during December 17-20, 2015 at Jamia Millia Islamia, New Delhi, India.
5. **R.M. Bhardwaj** chaired the Session at the panel "17: Visuality, Connectivity and Sustainability of Cultural Heritage of Cambodia" at the 15<sup>th</sup> International Conference of the European Association of Southeast Asian Archeologists (Euraseaa15) Universite Ouest Nanterre La Defense, Paris, France, 6-10 July 2015.
6. **Veena Jain** chaired one technical session in 7<sup>th</sup> International Conference on “Quality, Reliability, InfoCom Technology and Business Operations (ICQRITBO2015)(Trends and future directions)”, organized at Conference Centre , University Of Delhi from 28<sup>th</sup> December to 30<sup>th</sup> December, 2015.
7. **Manoj Saxena** appointed as Secretary, Mini Colloquia on “Compact Modelling Techniques for Nanoscale Devices and Circuit Analysis” on January 13, 2015 at University of Delhi, South Campus.
8. **Anuja Soni** was a Program Committee Member of "Fifth International Conference on Computational Science, Engineering and Information Technology ( CCSEIT 2015 )" held in May 23-24, 2015 in Vienna, Austria.
9. **Ankit Rajpal** was a Zonal Coordinator in zonal round at Deen Dayal Upadhyaya College of RoboTryst-2015 organized by Robosapiens Technologies Pvt. Ltd. on 9-10 January, 2015.
10. **Ankit Rajpal** organized the training and online assessment of Free and Open Source Software: Linux in association Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt. of India on April 20, 2015.
11. **Deepak Jain** selected as a Visiting Associate, Inter- University Centre for Astronomy & Astrophysics, ( IUCAA) Pune , ( 2015-18)
12. **Abhijeet Sinha** chaired one technical session in the 61<sup>st</sup> International Conference on “Sustaining the Excellence: Transforming, Innovation and value added services in Google Era”, Saurashtra University, 12-15 March 2016.

**Invited Lectures / Talks**

1. **Kulvinder Singh** delivered an invited talk on “New Compositated Materials For X-Ray Detection” IT-06 NCRAMFT-2K15) BPIT, Guru Gobind Singh Inderprastha University, Delhi, 28-29<sup>th</sup> December 2015.
2. **Nisha Rana** was invited as speaker at CPDHE in Refresher course of Women Studies on the topic Women in Academic Leadership on 8<sup>th</sup> Dec 2015.
3. **Manoj Saxena** delivered Invited Talk on “Impact of Dielectric Pocket on Different Gate Geometry MOSFET Architectures for Improved Analog and Digital Performance: Modeling and Simulation” in 2<sup>nd</sup> International Conference on Science, Technology and Management, Delhi University, Conference Centre, New Delhi on September 27, 2015.
4. **Manoj Saxena** delivered Invited Talk on “Tunnel Field Effect Transistor and its Application as Highly Sensitive and Fast Biosensor” in National Conference on Recent Advances in Material & Field Theory (NCRAMFT-2K15) held during December 28-29, 2015 at Bhagwan Parshuram Institute of Technology, PSP Area-4, Sector-17, Rohini Delhi. ISBN: 978-93-5254-054-9
5. **Manoj Saxena** delivered Invited talk on Electronics: The Second Sunrise at Three Days Workshop for PGT organized by Bal Bharti Public School (Pitampura) Training Centre, May 18-20, 2015 .
6. **Manoj Saxena** delivered Invited talk on “Development and Career Opportunities in Photonics” on Einstein Day celebrated at Bal Bharti Public School (Dwarka) on July 27, 2015.

**Articles in National / International Journals/Periodicals**

1. Seung-Ki Lee, Jae-Bok Lee, **Jyoti Singh**, Kuldeep Rana, Jong-Hyun Ahn, 2015, “Drying-Mediated Self-Assembled Growth of Transition Metal Dichalcogenide Wires and their Heterostructures”, *Advanced Materials*, 27(28) 4142–4149, ISSN No. 1521-4095, Impact factor: 17.49
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4. **Solanki Renu** , Kundu Aditi, Das Payal, Khanna Monisha (2015) Characterization of antimicrobial compounds from *Streptomyces sp.* World Journal of Pharmaceutical Research vol 4(7):1626-1641. (Impact factor: 5.99)
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7. **Geeta**, Richa and Sharma ML, (2015), “Nutritional value of traditional wild vegetables used by the Kinnaura tribals of Himachal Pradesh, India.” , International Journal of Pharma and Bio Sciences. 6(2): B551. IF- 5.121
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10. Shamseer Kulangara Kandi, **Sunny Manohar**, Christian E. Velez Gerena, Beatriz Zayas, Sanjay V. Malhotra and Diwan S. Rawat, 2015 “C<sub>5</sub>-curcuminoid-4-aminoquinoline based molecular hybrids: Design, synthesis and mechanistic investigation of anticancer activity” New Journal of Chemistry, , 39, 224-234. **IF 3.086**
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4. P. K. Mishra, **SachchidanandTripathi**and Singh Surendra (2015) Status of boron in red soils and Impacts of its supply in Vignaradiata L. LAP Lambert Academic Publishing (Germany) ISBN:978-3-659-75798-3
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6. MohdAsim, **S.N. Tripathi** and S. Nath (2015) Rainfall variability and probability analysis. . LAP Lambert Academic Publishing (Germany) ISBN:978-3-659-77372-3
7. **Meghna Aggarwal**(2015), Business Economics, Sun India Publications, ISBN: 978-93-80-674-95-7.
8. **Meghna Aggarwal** (2015), Microeconomics, Sun India Publications, ISBN: 978-93-80-674-98-8.
9. **Nisha Rana**(2015), Impact of Globalization on Indian Organizations, Global Vision Publishing House, Delhi, 2015, ISSN/ISBN 978-81-8220-703-5
10. Vijayesh Kumar, Ilya Bystror and**Nisha Rana**(2015),Accounting for Managerial Decision making, Global Vision Publishing House, Delhi, 978-81-8220-712-7

11. Thomas Erisson and **Nisha Rana** (2015), Knowledge Management, Global Vision Publishing House, Delhi, 978-81-8220-733-2
12. Kavita Krishnamurthi and **Nisha Rana** (2015), Advertising Management, Global Vision Publishing House, Delhi, 2015, 978-81-8220-761-5
13. **Sangeeta Mohan** (2015), Indian Golden Girl, Lenin Media Pvt. Ltd. Pages-232, (2015) ISBN No-9789385160899
14. **Sangeeta Mohan**, (2016), Stress Management at Work Place, Lenin Media Pvt. Ltd. ISBN No-9789385160.

### **Chapter in Books**

1. Sumanyu Satpathy and **Lalit Kumar**. "Alice in Hindi: A Dour Tradition of Nonsense." Alice in a World of Wonderlands: The Translations of Lewis Carroll's Masterpiece, Ed. Jon A. Lindseth. Vol. 1. Oak Knoll Press, The Lewis Carroll Society of North America: New Castle. P 289-293. ISBN 978-1-58456-331-0
2. Sumanyu Satpathy and **Lalit Kumar**. "Hindi 1961, Back Translation and Notes" and "Hindi 1997, Back Translation and Notes." The Translations of Lewis Carroll's Masterpiece, Ed. Jon A. Lindseth. Vol. 2. Oak Knoll Press, The Lewis Carroll Society of North America: New Castle. P 262-267. ISBN 978-1-58456-331-0.
3. **V. Bhatia**, R. Bhattacharya (2015) Biotechnology for Combining Crop Productivity and Stress Tolerance. In: Chopra VL, Kumar S (ed.) Technologies for Livelihood Enhancement, NIPA, New Delhi, Ch 7. pp 147-172. (ISBN: 9789383305810).
4. V. K. Vishvakarma, **K. Kumari**, R. Patel, P. Singh, G. K. Mehrotra, R. Chandra (2015) "Gelatin Nanocomposites (GNCs): An Efficient Drug Delivery System" in Biomedical Application of Natural Protein, Springer Briefs in Biochemistry & Molecular Biology. pp 129-148.
5. **S. Verma** (2015). Bones (Subject- Physiology) MHRD Project National Mission on Education through ICT, Institute of Lifelong Learning, University of Delhi. [eBook ISSN: 2349-154X]
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7. **Vaishali Kapoor** & Rakhi Arora Sharma, (2015), "Indispensable Government", ILL, University of Delhi. ISSN No. 2349-154X (available on [www.vle.du.ac.in](http://www.vle.du.ac.in))

8. **Vaishali Kapoor & Rakhi Arora Sharma**, (2015), “Efficiency and Incidence of Taxation”, ILL, University of Delhi. ISSN No. 2349-154X (available on [www.vle.du.ac.in](http://www.vle.du.ac.in))
9. **Vaishali Kapoor & Rakhi Arora Sharma**, (2015), “Goods provided to the public”, ILL, University of Delhi. ISSN No. 2349-154X (available on [www.vle.du.ac.in](http://www.vle.du.ac.in))
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12. **Vaishali Kapoor & Rakhi Arora Sharma**, (2015), “Analyzing U.S. Crisis from Marxian Lens ”, ILL, University of Delhi. ISSN No. 2349-154X (available on [www.vle.du.ac.in](http://www.vle.du.ac.in))
13. **Vaishali Kapoor & Rakhi Arora Sharma**, (2015), “Labor, Capital and Rate of Profit”, ILL, University of Delhi. ISSN No. 2349-154X (available on [www.vle.du.ac.in](http://www.vle.du.ac.in))
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### **Edited Books/ Conference Proceedings**

1. **Hem Chand Jain**, “Sources and Application of Funds of a State University: A Case Study of University of Rajasthan”, RDA’s 16<sup>th</sup> International Conference on Contemporary Issues & Innovations in Global Business, Management, Economics, Tourism and Information & Communication Technology held on May 30 & 31 2015, at Jaipur , Conference Proceedings, ISBN No-97881920965-4-4.
2. **Sachchidanand Tripathi, Rajkumari Sanayaima Devi, Sandeep Kumar and Virat Jolli** , Proceedings of the National Conference on Climate Change: Impact, Adaptation, Mitigation Scenario and Future Challenges in Indian Perspective, National Conference on climate change: Impact, Adaptation, Mitigation Scenario and Future Challenges in Indian Perspective (Held on 02-03, March 2015) , New Delhi, ISBN:978-93-5235-335-4
3. **Nisha Rana, Yogieta S Mehra, Monika Bansal, Deepa Kamra, Rakesh Kumar**, ‘Emerging trends in Business and Management’, International Conference on Business and Management : shaping the future’ , DDU College, University of Delhi, ISBN No. : 978-81-7975-663-8. (2015).

4. **Mamta Wagh**, “ Climate Change: Mathematics and some new techniques”, National Conference on Climate Change: Impacts, Adaptation, Mitigation Scenario & Future Challenges In Indian Perspective, DeenDayalUpadhyaya College, University of Delhi, New Delhi, 2-3 March 2015, Vol. 1, 138-143, ISBN: 978-93-5235-335-4.
5. **RMBharadwaj**, Brahmahatyā (Brāhmaṇa-murder), Land seizures and Social conflict in the Smrtis (law texts), Nibandhas (Religious treatises) and Land grant Inscriptions pertaining to Vratas (religious Vows) in North-central India: 5<sup>th</sup>-12<sup>th</sup> c.A.D’, Proceedings of the Indian History Congress, Vol. Platinum Jubilee (75<sup>th</sup>) Session, 2015, pp. 137-52, ISSN No-2249-1937. (2015)
6. Ajay, Rakhi Narang , **Manoj Saxena** and Mridula Gupta , Impact of dry and watery environment on the sensitivity of split gate metal oxide field effect transistor for biosensing application, , Published in Proceedings of IEEE International Conference on Electron Devices and Solid-State Circuits (EDSSC), 1-4 June 2015, pp. 729 – 732, Print ISBN: 978-1-4799-8362-9, INSPEC Accession Number: 15506170, Conference Location : Singapore, Publisher: IEEE. (2015)
7. Upasana, RakhiNarang, **ManojSaxena**and Mridula Gupta,, Influence of dielectric pocket on electrical characteristics of tunnel field effect transistor: A study to optimize the device efficiency, Published in Proceedings of IEEE International Conference on Electron Devices and Solid-State Circuits (EDSSC), 1-4 June 2015, pp. 762 – 765, Print ISBN: 978-1-4799-8362-9, INSPEC Accession Number: 15506244, Conference Location : Singapore, , Publisher: IEEE.
8. Rakhi Narang , **ManojSaxena** and Mridula Gupta , Polarity and ambipolarity controllable (PAC) tunnel field effect transistor, Published in Proceedings of IEEE International Conference on Electron Devices and Solid-State Circuits (EDSSC), 1-4 June 2015, pp. 333-336, Print ISBN: 978-1-4799-8362-9, INSPEC Accession Number: 15506117, Conference Location : Singapore, , Publisher: IEEE.
9. **Ram Pal Singh**, NeelamDabas, Nagendra, Vikash Chaudhary, “Weighted Extreme Learning Machine for Digital Watermarking in DWT Domain”, in International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP2015), pp. 393-396, Adelaide, Australia.(978-0-7695-5668-0/15 \$31.00 © 2015 IEEE , DOI 10.1109/IIH-MSP.2015.64) ( 2015).
10. **ReemaChhabra, ChetnaAngrish and MahaveerGenwa**, “Avocado: The wonder fruit”, National seminar on medicinal plants, Ramjas College, University of Delhi. Medicinal Plants, 79-91, ISBN 978-81-8030-474-3. (2015)
11. **Vaishali Kapoor**, SugandhaPoddar and Deepansha, Impact of Economic Activities on Climate Change, Climate Change: Impacts, Adaptation, Mitigation Scenario and Future Challenges in Indian Perspective, New Delhi, pp.49-52. ISBN: 978-93-5235-335-4 (2015).

12. **Ankit Rajpal, Anurag Mishra and Rajni Bala** , "Robust blind watermarking technique for color images using Online Sequential Extreme Learning Machine," in International Conference on Computing, Communication and Security (ICCCS), pp.1-7, 4-5 Dec. 2015.
13. Samir and **Deepa Kamra**, "Banking Sector Reforms in India: An Overview" as part of Conference Proceedings in book titled: -Emerging Trends in Business and Management: Shaping the Future, ISBN 978-81-7975-663-8, pp -144-157 International Conference on Business and Management held at IHC, New Delhi (2015)
14. **Nisha Rana** and Aanchal Gupta, 2015. Trends and Composition of FDI Inflows in India" as Conference Proceeding in International Conference on 'Emerging Trends in Business and Management- Shaping the Future', Anamika Publishers & Distributors P. ltd. 2015, ISBN: 978-81-7975-663-8, pp. 224-241, Feb. 2015.
15. **Nisha Rana**, Meenu Chopra, "Organizations Performance in relation to Gender Diversity in the Board Room" as Conference Proceeding in International Conference on 'Emerging Trends in Business and Management- Shaping the Future', Anamika Publishers & Distributors P. ltd. , ISBN: 978-81-7975-663-8, pp. 192, Feb. 2015
16. **Nisha Rana**, "Strategic Management- A Chronological History" as Conference Proceeding in International Conference on 'Emerging Trends in Business and Management- Shaping the Future', Anamika Publishers & Distributors P. ltd. , ISBN: 978-81-7975-663-8, pp. 161. (2015)
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18. **Yogieta S. Mehra**, Mansi Bansal , "Risk Management Practices of Indian Banks : An Analytical Study", International Conference on Business and Management : shaping the future , DDU College, University of Delhi, pp.77-90, ISBN : 978-81-7975-663-8 (2015).
19. Kajleen Kaur , **Yogieta S. Mehra** , Jasmit Kaur , "Effectiveness of Monetary Policy in controlling Inflation, India 2020 : Vision for the Financial Sector", SGGS College of Commerce, University of Delhi, pp.28-42, ISBN : 978-81-8484-473-3 (2015).
20. K. N. Spall, G. Sirhindi and **S. Kumar**, "Exploration of the Role of Brassinosteroids on Brassica oleracea L. var. botrytis and var. italica under thermal stress". Proceedings of the National Conference on Climate Change: Impacts, Adaptations, Mitigation Scenario and Future Challenges in Indian Perspective, New Delhi, 2-3, March. 2015: Eds. Sachchidanand Tripathi, Rajkumari Sanayaima Devi, Sandeep Kumar and Virat Jolli. Published By: Department of Botany, DDU College (University of Delhi), New Delhi, pp: 111-117. (ISBN: 978-93-5235-335-4).

## Oral Paper Presentation

1. **Deepak Jain**, “Model independent constraints on the transition redshift of the Universe”, International Conference on Gravitation & Cosmology: IISER, Mohali Date: 14 - 18 Dec. 2015
2. **Sudhir Verma**, “Molecular and Ayurvedic Therapies for Inflammation”, National Symposium and workshop organized by Molecular Biology Unit, Institute of Medical Sciences, Banaras Hindu University on February 07-09, 2015.
3. **Sudhir Verma**, “Therapeutic Potential of Natural Products: Current Innovations and Future Trends” in National Conference by Department of Genetics, Maharshi Dayanand University, Rohtak, March 19, 2015.
4. Upasana, Rakhi Narang, **Manoj Saxena** and Mridula Gupta, “Merits of designing Tunnel Field Effect Transistors with Underlap near Drain region”, 12th IEEE India International Conference, INDICON 2015, on Electronics, Energy, Environment, Communication, Computer, Control, (E3-C3), Jamia Millia Islamia, New Delhi, December 17-20, 2015.
5. **R. M. Bhardwaj**, “Ravindra Nath Thakur’s Contribution in the Revival of Theravada Buddhism in Bengal: Revisiting the Ethico-Socio-Religious Contents of his play Natirpuja at the International Seminar on “Revival of Theravada Buddhism in Bengal.” University of Calcutta, Department of PALI, Kolkata, January 13-14 2015.
6. **R. M. Bhardwaj**, “Revisiting the Sanskrit Inscriptions of Indo-Khmer Angkorian Civilization of Cambodia: 9<sup>th</sup>-14<sup>th</sup> Centuries A.D. in the panel No 17: Visuality, Connectivity and Sustainability of Cultural Heritage of Cambodia at the 15<sup>th</sup> International Conference of the European Association of Southeast Asian Archeologists (Eurasea15) Universite Ouest Nanterre La Defense, Paris, France, 6-10 July 2015.
7. **R. M. Bhardwaj**, “Punya, Vrata and Dāna: Examining the Centrality of the Religious Institution of Vratas in the giving of Gifts and Issuance of Land Grants in North and Central India: 4<sup>th</sup>-12<sup>th</sup> Centuries A.D” in the Ancient Indian Section at the 76<sup>th</sup> Session of the Indian History Congress, University of Gaur Bang, Malda, 27-29 December, 2015.
8. **Hem Chand Jain**, “Sources and Application of Funds of a State University: A Case Study of University of Rajasthan”, RDA’s 16<sup>th</sup> International Conference on Contemporary Issues & Innovations in Global Business, Management, Economics, Tourism and Information & Communication Technology, Jaipur, May 30 - 31 2015.



9. **Mamta Anmol Wagh** “Duals Of Certain Bicomplex Sequence Spaces” in the conference of Indian Science Congress , Mumbai, 3 Jan. - 7 Jan. 2015.
10. **Lalit Kumar** “Literary Historiography” in a two-day national seminar organized by SahityaAkademi on the Historiography of Indian Literature ,S.V. University, Tirupati , 28-29 September 2015.
11. **Rakesh Kumar**, “Energy Shocks and Investment Activities of Emerging Stock Markets”, 8<sup>th</sup> International Finance Conference, organized by ISC Business School, Paris, France on March 13-14, 2015.
12. **Rakesh Kumar**, “Asymmetric Energy Shocks and its Impact on Investors’ Activities- An Empirical Study” International Finance Conclave organized by CMS, Jamia Millia Islamia, New Delhi on Feb, 28, 2015.
13. **Rakesh Kumar**, “Dynamic Interaction of Indian Stock Market to International Crude Oil Price Volatility–An Empirical Study” International Conference on Emerging Trends in Business and Management-Shaping the Future organized by Department of Management Studies, DDU College, University of Delhi, New Delhi, 6<sup>th</sup> - 9<sup>th</sup> February, 2015.
14. **A.K.Yadav** , “Challenges and Strategies in Plant Biology Research” in young scientist award presentation session in 3rd International Plant Physiology Congress, Convention Center, Jawaharlal Nehru University (JNU), New Delhi, India organized on 11-14 Dec 2015.
15. **Chayannika Singh**, “ Interaction of kojic acid with Cadmium Chalcogenide Quantum dots”, 9<sup>th</sup> National conference on Solid State Chemistry and Allied Areas (ISCAS-2015) held at Conference Center, University of Delhi, Delhi from May 8 to 10, 2015.

## Poster Presentations

1. **Kulvinder Singh** “Thermal distortions of Low Frequency Signals Through Multimode Optical Fiber in Dry Salt Surrounding” IDSTEM-2015, Ganga Technical Campus, Bahadurgarh, Haryana, 22 November 2015.
2. **Charu Kalra**, Mehervi Shinde , Parul Jain and Ipsa Gupta ,” Bioremediation: an Overview” , National Seminar on Water and Air Quality in Urban Ecosystem organised by Shivaji College, University of Delhi on 22 March, 2016.
3. **Pramod Kumar** and N.C. Gupta “Study of Black Carbon Aerosol at Different Urban Locations of Delhi” DST-SERB supported National Conference on Climate Change:

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Impacts, Adaptation, Mitigation Scenario and Future Challenges in Indian Perspective organized by Department of Botany, Deen Dayal Upadhyaya College, University of Delhi (02-03 March, 2015). [ISBN: 978-93-5235-335-4].

4. **Mamta Anmol Wagh** “Climate Change: Mathematics And Some New Techniques” in the National Conference on Climate Change: Impacts, Adaptation, Mitigation Scenario & Future Challenges In Indian Perspective, New Delhi, 2-3 March-2015 organized by Department of Botany DDUC, University of Delhi.
5. Khatri D., Dalal S., Maheshwari P., Garg K., Gulati A., Anand S. and **S. Verma** "Analyzing the impacts and prospects of virtual and digital biology in today's scenario: A Survey" in the Symposium entitled "Recent trends in Biology" organized by Maitreyi College, University of Delhi on February 25, 2015.
6. K. Garg, Maheshwari P., D. Khatri, S. Dalal, K. Bansal, **S. Verma** and S. Anand, “Recent emergence of diseases: Who is to be blamed?”. in the Symposium Recent trends in Biology organized by Maitreyi College, University of Delhi on 25 February, 2015.
7. **Jyoti**, “Climate Change: Impacts, Adaptation, Mitigation Scenario and Future Challenges in Indian Perspective” in National Conference organized by Department of Botany, Deen Dayal Upadhyaya College (University of Delhi), Delhi, India, 20- 21 February 2015.
8. **Reema Chhabra, Chetna Angrish and Mahaveer Genwa**, “Avocado: The wonder fruit”, National seminar on medicinal plants, Ramjas College, University of Delhi, Feb, 2015.
9. **Reema Chhabra, Chetna Angrish**, “Superlative impacts of a super greenhouse gas, sulfur hexafluoride (SF<sub>6</sub>)”, National seminar on Climate change: Impacts, adaptation, mitigation scenario and future challenges in Indian perspective, Deen Dayal Upadhyaya College, University of Delhi, Feb. 2015.
10. **Geeta Devi**, ‘Ethno-medicinal plants used against common ailments by the people of Kinnaur (Himachal Pradesh)’ in International conference on medicinal and herbal drugs for human welfare (ICMP- 2015) held at Chennai, 28- 30 Jan, 2015.

Mr Sanjai Sharma, Lab Assistant, Department of Chemistry also contributed to research depository of the college. The details of his work are as under:

### Articles in International Journal/Conference Proceedings

1. **Sanjai Sharma** (2015) An improved two-warehouse partial backlogging inventory model for deteriorating items under conditionally permissible delay in payment,

International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Volume-4 Issue 11Pg No. 4081-4090, ISSN : 2278-1323

2. Babita Tyagi, Ajay Singh Yadav, **Sanjai Sharma**, Anupam Swami, (2015) “An Inventory Model with Partial Backordering Weibull Distribution Deterioration under Two Level of Storage”, International Journal of Computer Application (0975-8887) Volume 129-No. 16, Page No. 15-22, ISBN 973-93-808990-05-2
3. Babita Tyagi, Ajay Singh Yadav, **Sanjai Sharma**, Anupam Swami, An Inventory Model for Non-Instantaneous Deteriorating Items with Variable Holding Cost under Two Ware-Houses, 2<sup>nd</sup> International conference on Recent Development in science, Engineering and Technology October, 30-31, 2015, Page No. 9-14, ISBN No. 9789384869-854
4. Yadav S Ajay, Tyagi Babita, **Sharma Sanjai**, Swami Anupam, “Two –warehouse inventory model for non-deteriorating items under conditionally permissible delay in payment and inflation “ at International Conference on Recent trends in Engineering and Material Sciences, Jaipur National University, Jaipur , 17 – 19 March 2016, ISBN 978-93-5254-230-7, pp443-444

### **Paper Presentation**

1. S Ajay Yadav, Babita, Tyagi, **Sanjai Sharma**, Swami Anupam, “Two –warehouse inventory model for non-deteriorating items under conditionally permissible delay in payment and inflation “ at International Conference on Recent trends in Engineering and Material Sciences, Jaipur National University, Jaipur , 17 – 19 March 2016.

**It will be only apt to quote Gurudev Rabindranath Tagore . Let us all collectively renew the dream and strive to achieve a world...**

**Where the mind is without fear and the**

**head is held high**

**where knowledge is free**

**where the world has not been broken up**

**into fragments**

**by narrow domestic walls..**

**Where words come out from the depth of**

**Truth**

**Where tireless striving stretches its arms**

**towards perfection...Thank you,**