

Logo  
Accredited with 'A' grade by NAAC

Shivaji College  
University of Delhi

ANNUAL REPORT

2015-16

CHIEF GUEST

Shri Thaawar Chand Gehlot  
Hon'ble Minister, Ministry of Social justice and Empowerment  
Government of India

Respected Chief Guest Shri Thaawar Chand Gehlot, is a prominent face of Bharitya Janta Party and is currently Hon'ble **Minister for Social Justice and Empowerment, Govt. of India** and **Special Invitee Member, Niti Aayog**. He also holds the position of **Rajya Sabha MP** from Madhya Pradesh. Apart from these, he is a member of Parliamentary Board and Central Election Committee, Bhartiya Janta Party, for the 5th term. Shri. Gehlot has also served as the National General Secretary, Bhartiya Janta Party.

Born in Ujjain, Madhya Pradesh, Shri. Gehlot completed his graduation from Vikram University

Ujjain. He started his political journey as a member of Bhartiya Jan Sangh in 1962. He then became the Vice-President and General Secretary of Janta Party from Ujjain District in 1977.

Shri. Gehlot has extended notable contribution to various social causes throughout his extensive political career spanning over four decades. He has served in crucial committees under various ministries such as Committee on Agriculture and Consultative Committee, Ministry of Labour, Labour and Welfare Committee, Consultative Committee for the Ministry of Industry, Women Empowerment Committee, Consultative Committee for the Ministry of External Affairs and Business Advisory Committee, Official Language and Labour Committee, Ministry of Road Transport and Highways Consultative Committee, Labour and Scheduled Castes and Scheduled Tribes Welfare Committee to name a few.

### Principal's Report

Shivaji College proudly celebrates its 55th Annual Day. In the academic year 2015-16 Shivaji College was accredited with 'A' Grade by the prestigious National Assessment and Accreditation Council (NAAC), with CGPA 3.06 on a four point scale.

Many achievements have been scaled by the various departments in the college during the academic session 2015-16. National and International Conferences/Symposia were organised for the benefit they could provide to students and faculty members alike. Our teachers as well as students have also managed to bring laurels in the form of awards and recognitions thereby helping the college to continue and maintain its thirst for growth and development in each year. A brief highlight of these activities and achievements is listed here.

The Department of History and the Department of Sanskrit jointly organized an **International Seminar on Acculturation: Religion Society Language** on February 17- 18, 2016.

The Department of Biochemistry successfully conducted **National Symposium on Lifestyle Disorders: Understanding the Molecular Mechanisms** on January 28-29, 2016.

A **One-Day National Seminar on Water and Air Quality in Urban Ecosystem** was also organized by the Eco Club of the College on March 22, 2016.

The Department of Commerce conducted a **UGC Sponsored National Conference on Globalisation, Economic Development and Sustainability** on March 29, 2016.

NSS and WDC wings of Shivaji College organized a **National Seminar on “Woman, Crime and Law: Protection or Assertion?”** on **31st March 2016**, during which **Jijabai Awards** were given to five achievers who have worked towards the cause and development of society at the grass root level. A **panel discussion on “Woman, Crime and Law: Is it about Protection or Assertion?”** was organized as part of the event.

The Science Departments of Shivaji College, along with the Department of Mathematics, organized the DST sponsored **Inspire Science camp** for five days.

The Department of Political Science organized a **One-Day Seminar** as Dr. B.R. Ambedkar Memorial Lecture on the Constitutional Day in November 2015.

The Sahitya Sangam of the Department of Hindi organized a **Two-Day Annual Seminar** on February 23-24, 2016.

Dr. Amarjiva Lochan, Department of History was awarded with the **Rashtriya Gaurav Award** by the Indian Institute of Oriental Heritage, Kolkata on February 27, 2016.

On the occasion of its 93rd Foundation Day, University of Delhi awarded Dr. Surbhi Madan, Department of Mathematics, and Ms. Abha Vasal, Department of Computer Science with the **Teaching Excellence Award for Innovation** for their project on Real Time Traffic Solution. Their project was also felicitated as the **Best Innovative Idea** and the **Best Display (Economic Development)** at Antardhwani 2015, the Annual Cultural Festival of the University of Delhi.

Dr. Aravind Kumar Yadav, Department of Hindi was honoured with **Mahatma Jyotiba Fule**

**National Fellowship Award** by Dalit Sahitya Akadami, Delhi in 2015.

The college also witnessed a surge in the number of publications brought out by the teaching faculty members in the form of researched articles and books (authored/edited/reviewed). An approximate of 75 publications was recorded during this academic session.

Apart from these faculty achievements in their various fields, the college has also produced numerous students who have catapulted their alma mater in the race of reaching greater heights.

The Department of Business Economics have produced meritorious students who **ranked 1st and 2nd** in the End Semester Examination, 2015, while the Department of Physics has produced students who have **secured top ranks** in National-Level Examinations such as Joint Entrance Screening Test (JEST) 2016, and the prestigious Joint Admission Test (JAM) 2016 for enrolment into premier research institutes like IIT, TIFR-Hyderabad, HRI, Allahabad, the IISERs, Indian Institute of Astrophysics, Institute of Plasma Research, Institute of Mathematical Sciences, NISER, Institute of Physics, Bhubaneswar, Raman Research Institute, Bangalore *etc.* for their further studies. Furthermore, Kamalpreet Kaur from the Department of Zoology was also awarded with the **Meritorious Student Award** by Faculty of Science, University of Delhi in March 2016.

The various Committees of Shivaji College worked very hard through the year.

The session was inaugurated with the **Orientation program**.

A two-day **Book Fair** was organised by the Library Committee on 7th and 8th January 2016.

**Vibrations**, the cultural festival of Shivaji College was celebrated on 3 and 4th Feb 2016.

The Student Advisory Committee organized a **workshop on 'Cyber Security'** in association with All India Women's Education Association (AIWEA) on 9th October 2015 in the college.

They also organized a **talk on 'Adolescent Health'** on 28 September 2016.

Under the **Science Setu Programme**, the teaching faculty attended a talk delivered by Nobel laureate, Dr Gerald P Schatten on 14th January, 2016.

Science Setu program also organised a **workshop and poster presentation on DNA fingerprinting** on 22nd January 2016 and a paper writing competition on. "Stem cell science

and applications: Hype and reality”. A lecture was delivered by Dr Natesh, Advisor, NII on 8th February 2016 on “Plants that changed the course of History”.

Plantation drive, Khadi divas, road accidents awareness programs, workshop on self defence, blood donation camp and a workshop on 'Mental- disorders; Identification and Treatment' were also organised by **WDC and NSS** of Shivaji College. The prestigious **Jijabai Awards** were given to extraordinary women achievers on 31 March 2016.

**Sports Day** was organized on 9th February 2016. Inter-college tournaments for differently abled students in various games were also organized during sports day. The guest of honor was Ms. Deepa Malik, an Arjuna Awardee 2012 and a para elite athlete. The chief guest was Shri Sourabh Bharadwaj, an influential leader in Aam Aadmi Party (AAP) and a member of Delhi Legislative Assembly from Greater Kailash constituency.

## ANNUAL REPORT 2015-16

Academic year 2015-16 saw admission into three types of courses for undergraduate students. While students entering V semester continued under the restructured FYUP, students entering III semester remained in the Semester mode, and new admissions to I semester were done in the CBCS programme. Shivaji College successfully managed admissions, timetable, and teaching across the three kinds of programmes and all processes were smoothly managed as per schedule.

### STUDENT STRENGTH 2015

### STAFF STRENGTH

At present there are 114 permanent members (including Principal), 67 Ad-hoc members in the

Teaching Staff and 112 members in the Non-Teaching Staff.

#### RETIREMENT

List of Teaching Staff retired during 2015-2016:

Dr. Devendra Singh

Ms. Santosh Duggal

Ms. Neena Malhotra

#### TEACHERS WHO AVAILED LEAVE DURING 2015-16

##### STUDY LEAVE

Ms. Anjali Raman, Department of English

Ms. L.Gitarani Devi, Department of English

Ms. Mamta, Department of Physics

Ms. Raj Kumari, Department of Hindi

Dr. Shama Mitra Chenoy, Department of History

##### SABBATICAL

Dr. Promila Mathur

Dr. Surender Singh

Dr. Usha Kanta Chaturvedi

##### CHILD CARE LEAVE

Dr. Kiran Bamel, Department of Botany

Ms. Kiran Chaudhary, Department of Commerce

Ms. Khurshid Khan, Department of History  
Dr. Misha Yadav, Department of Botany  
Ms. Nimita Kant, Department of Zoology  
Ms. Preeti Sharma, Department of Computer Science  
Dr Renu Baweja, Department of Biochemistry  
Mrs. Ritu Madaan, Department of English  
Dr. Ruchira Dhingra, Department of Hindi  
Dr. Sunita Gupta, Department of Zoology  
Dr. Vandana Katoch, Department of Chemistry

#### STUDENTS' UNION

The following students were elected to the Students' Union for the year 2015-16:

President : Deepak Kumar and Vikas

Vice-President: Ayushi Chopra

Secretary : Dharamveer Singh

Jt.-Secretar : Himanshu

College Councillors : Deepak Rose and Mohit Goyal

#### RESULTS

#### DEPARTMENT ACTIVITIES

#### **DEPARTMENT OF BIOCHEMISTRY**

Department of Biochemistry organized two Lectures under “Biochemistry Lecture Series” by Prof. Debi P. Sarkar, Professor, University of Delhi, South Campus, Delhi, and Dr. Ellora Sen, Scientist-V/Additional Professor, National Brain Research Centre, Manesar, Gurgaon respectively. An educational trip to Regional Center for Biotechnology, Faridabad was also

organized with an aim to acquaint the students with the latest development in the field of Research and Development.

A one-day Workshop for the students of Lancer Convent Public School, Prashant Vihar, Delhi on “Molecular Biological Techniques” was organized where students were given hands-on training on techniques pertaining to Chromosomal DNA isolation and Transformation in *E.coli*.

Students of the college visited the Institute of Genomics and Integrative Biology (CSIR), Mall Road, Delhi to get an exposure to various research laboratories during their open day.

The Department organized and participated in DST sponsored **Inspire Science camp** with the help of other science departments of the college. The aim of the camp was to give an exposure to young and bright minds of school children to the exciting world of Science & Research and motivate them to pursue science as a future career.

A National Symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” was organized in the month of January where eminent speakers from esteemed Universities/Institutions presented their views and shared their knowledge on various aspects of lifestyle diseases.

### **Faculty Achievements**

**Dr. Shashi Nijhawan (Principal)** serves/served as:

- \* **Project Investigator** of University Innovation Project (Session 2015-16): Comparative Analysis of Heavy Metal Toxicity and Pesticide Contamination in vegetables collected from local sites and organic stores in Delhi
- \* **Organizing Secretary** in National Symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by Shivaji College, University of Delhi, January 28-29, 2016

She also participated in the following programs:

- \* 1st Short Term Program in Principal’s Workshop organized by HRDC, JNU, New Delhi, October 12-16, 2015



- \* “Principal’s Meet: Issues of Governance in Higher Education in India” organized by UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi, March 17, 2015
- \* Science-Setu Program at National Institute of Immunology (NII) and attended a Lecture “Can Regenerative Medicine Involving Stem Cells Conquer Diseases and Aging” delivered by Nobel Laureate Dr. Gerald P Schatten, Director, Pittsburg Development Center, University of Pittsburg School of Medicine, Pittsburg, USA on January 14, 2016
- \* A workshop on “DNA Fingerprinting and its Proposed bill in Parliament” at Hindu College Auditorium, organized by seven North Campus colleges (Daulat Ram, Hans Ram, Hindu, Hansraj, Kirori Mal, Miranda House, Ramjas and SGTB Khalsa College) in collaboration with National Institute of Immunology (NII) and Department of Biotechnology (DBT) under the Science-Setu Program on January 22, 2016

She also presented the following papers/posters:

- \* ***Curcumin: Ayurveda and its Reinvention by Modern Science*** in 16th World Sanskrit Conference, International Association of Sanskrit Studies, Bangkok, Thailand held from June 28-July 2, 2015
- \* ***Heavy Metal in Chocolates: A Cause of Bio-Toxicity in National Symposium on Man-Made Diseases: An Urban Menace*** organized by Zoology Department, Maitreyi College, University of Delhi, February 11-12, 2016
- \* ***Employing Microbial Fuel Cell for Generating Bio-Energy from Yamuna Water*** in 56th International Conference of Association of Microbiologists of India “AMI 2015” organized by JNU, New Delhi from December 07-10, 2015

She co-published the following papers/chapters:

- \* ***Lifestyle disorders: A Case Study of Quetelet’s Index and WHR in undergraduate students*** in the Proceedings of the International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016)” held on January 15-16, 2016, New Delhi, India, pp. 232-235, ISBN 978-93-85822-10-0

- \* *Irregularities of the Ovarian Cycle in Young Females: Etiology, Awareness and Management* in the International Journal of Biotechnology and Biomedical Sciences, Vol. 2(1), 2016, pp. 57-59, ISSN 2454-4582
- \* *Heavy metal contamination in vegetables: Sources of nutrition or Health Hazard* in Journal of Basic and Applied Engineering Research, Vol.3(1) p-ISSN:2350-0077
- \* *Fighting for survival: Greater one-horned Indian Rhinoceros* as a book chapter in Wildlife Management: Concept, Analysis and Conservation (2016), edited by Amita Saxena, pp. 203-209, Daya Publishing House, New Delhi, ISBN: 978-81-70305

**Dr. Neena R. Wadehra** served as a **Member of the Organizing Team and Resource Person** for Inspire Science Camp (2015).

**Dr. Rashmi Wardhan** serves/served as:

- \* **Project Investigator** of University Innovation Project (Session 2015-16) on L-asparaginase, an Antitumor Agent: Production, Characterization and Molecular Approaches (SHC-312)
- \* **Member of the Organizing Team and Resource Person** for Inspire Science Camp (2015)

She also published the following articles:

- \* *Polycystic Ovarian Cyst Disorder (PCOD):Cause And Control* in the International Journal Of Biotechnology And Biomedical Sciences (IJBBS), Vol. 2(1), 2016, pp. 32-33, p-ISSN 2454-4582, e-ISSN 2454-7808
- \* *Analysis Of Toxic Compounds Found in Milk by Gc-Ms* in the International Research Journal of Natural and Applied Sciences, Vol. 2(5), 2015, ISSN 2349-4077, IF-2.818
- \* She also co-published a paper titled **Quality of Milk and Awareness among Consumers in Delhi-NCR** in the International Research Journal of Human Resources and Social Sciences, Vol. 2(5), ISSN (2349-4085), IF-2.561.

**Dr. Darshan Malik** served as:

- \* **Project Investigator** of University Innovation Project (Session 2015-16) on Lifestyle Disorders: Etiology, Awareness and Management (SHC 311)
- \* **Member of the Organizing Team and Resource Person** for Inspire Science Camp (2015)

She also participated in the following programs:

- \* Science-Setu Program at National Institute of Immunology (NII) and attended a Lecture “Can Regenerative Medicine Involving Stem Cells Conquer Diseases and Aging” delivered by Nobel Laureate Dr. Gerald P Schatten, Director, Pittsburg Development Center, University of Pittsburg School of Medicine, Pittsburg, USA on January 14, 2016
- \* A Workshop on “DNA Fingerprinting and its Proposed bill in Parliament” at Hindu College Auditorium, organized by seven North Campus colleges (Daulat Ram, Hans Ram, Hindu, Hansraj, Kirori Mal, Miranda House, Ramjas and SGTB Khalsa College) in collaboration with National Institute of Immunology (NII) and Department of Biotechnology (DBT) under the Science-Setu Program on January 22, 2016

She also co- presented the following papers/posters:

- \* ***Curcumin: Ayurveda and its Reinvention by Modern science*** in 16th World Sanskrit Conference, International Association of Sanskrit Studies, Bangkok, Thailand held from June 28-July 2, 2015
- \* ***Processed food: A storehouse of Trans fats and Nickel toxicity*** during National Symposium on “Lifestyle disorders: Understanding the Molecular Mechanisms” organized from Jan 28-29, 2016
- \* ***Employing Microbial Fuel Cell for Generating Bio-Energy from Yamuna Water*** in 56th International Conference of Association of Microbiologists of India “AMI 2015” organized by JNU, New Delhi from December 07-10, 2015
- \* ***Irregular Ovarian Cycle: Understanding the cause and effects of PCOS*** in National Symposium on “Man-Made Diseases: An Urban Menace” organized by Zoology

Department, Maitreyi College, University of Delhi, February 11-12, 2016

She co-published the following papers:

- \* ***Simultaneous Bioremediation of Phenol and Cr(VI) from Tannery waste water using bacterial consortium*** in the International Journal of Applied Sciences and Biotechnology, Vol. 3(1), pp. 50-55, 2015, ISSN 2091-2609
- \* ***Lifestyle disorders: A Case Study of Quetelet's Index and WHR in undergraduate students*** in the Proceedings of the International Conference on Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016) held on January 15-16, 2016, New Delhi, India, pp. 232-235, ISBN 978-93-85822-10-0
- \* ***Irregularities of the Ovarian Cycle in Young Females: Etiology, Awareness and Management*** in the International Journal of Biotechnology and Biomedical Sciences, Vol. 2(1), 2016, pp. 57-59, ISSN 2454-4582
- \* ***Heavy metal contamination in vegetables: Sources of nutrition or Health Hazard*** in Journal of Basic and Applied Engineering Research, Vol.3(1) p-ISSN:2350-0077
- \* ***Cyber Crime and Women - The Indian Perspective*** in Sanshrishti: Creator of Good Things (2015), ISBN: 978-81-86845-38-0

**Dr. Renu Baweja** serves/served as:

- \* **Project Investigator** of University Innovation Project (Session 2015-16): Industrial Waste Utilization for Microbial Fuel Production (SHC-305)
- \* **Convener** in the National Symposium on Lifestyle disorders: Understanding the Molecular Mechanisms organized by Shivaji College on Jan 28-29, 2016
- \* **Member of the Organizing Team and Resource Person** for Inspire Science Camp (2015)

She also presented the following papers/posters:

- \* A research paper on ***Awareness and Sensitivity of Mobile phones consumers on E-Waste in Delhi-NCR*** in a National Conference on "Smart Cities-Challenges and Vision Ahead" organized by the Department of Geography, Shaheed Bhagat Singh

College, University of Delhi on April 6, 2015

- \* A research paper on *Mobile Ecosystem in Delhi-NCR: A Perspective of Consumer Awareness towards E-Waste* in 5th International Symposium on “Fusion of Science & Technology (ISFT 2016)” organized by the Society for Fusion of Science and Technology (SFST) from Jan 18-19, 2016
- \* An oral presentation on *Impact of Diet on Fertility* in National Symposium on “Reproductive Health in India: Concerns and Awareness” organized by Deshbandhu College, University of Delhi on February 12, 2016
- \* A research paper on *Characterization of Wastewater effluent from dairy industry for energy generation* in an International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness(Public Health: 2016)” organized by Daulat Ram College, University of Delhi, New Delhi, India And Krishi Sanskriti, New Delhi, India from January 15-16, 2016
- \* A poster on *Dysbiosis of Gut: A crucial factor for obesity* during National Symposium on “Lifestyle disorders: Understanding the Molecular Mechanisms” organized from Jan 28-29, 2016

She co-published the following articles:

- \* *Voh Solahan December ki Raat* in Sanshrishti: Creator of good things (2015) ISBN: 978-81-86845-38-0
- \* *Fighting for survival: Greater one-horned Indian Rhinoceros* as a book chapter in Wildlife Management: Concept, Analysis and Conservation (2016), edited by Amita Saxena, pp. 203-209, Daya Publishing House, New Delhi, ISBN: 978-81-70305

**Dr. Sunita Singh** served as:

- \* **Project Investigator** of University Innovation Project (Session 2015-16): Accessing Microbial Diversity of Yamuna Water: A Step towards Environmental Restoration (SHC 303).
- \* **Coordinator**, Department of Science and Technology (DST) sponsored INSPIRE SCIENCE CAMP 2015 organized from Dec 19-23, 2015. The 5 days camp received an

overwhelming response and was attended by over 230 students from 35 Schools from Delhi NCR.

She has presented the followings:

- \* Oral Presentation (***Public Welfare: The Forensic Psychological Tools Employed Towards a Crime Free Society***) in a Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016)” organized by Daulat Ram College, University of Delhi, New Delhi, India and Krishi Sanskriti, New Delhi, India from January 15-16, 2016
- \* Oral Presentation (***Multifunctional Nanomaterials And Their Applications***) in a Indo-Portuguese Workshop on “Emerging Trends of Nanotechnology in Chemistry and Biology (INCB 2016)” organized by Department of Chemistry, Hansraj College and Deshbandhu College, University of Delhi, India in association with Centro de Quimica da Madeira University da Madeira, Portugal
- \* Poster Presentation (***Yamuna River A Toxicity Reservoir: Environmental Restoration Through Bioremediation Approach***) in an International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016)” organized by Daulat Ram College, University of Delhi, New Delhi, India and Krishi Sanskriti, New Delhi, India from January 15-16, 2016. She received the First Prize for this poster presentation
- \* A Poster (***Infertility: Etiology and Management***) in National Symposium on “Reproductive Health in India: Concerns and Awareness organized by Deshbandhu College, University of Delhi on February 12, 2016
- \* A Poster (***Processed Food: A Storehouse of Trans Fats and Nickel Toxicity***) during National Symposium on “Lifestyle disorders: Understanding the Molecular Mechanisms” organized by Shivaji College from Jan 28-29, 2016

She co-presented the following posters/papers:

- \* A poster (***Employing Microbial Fuel Cell for Generating Bio-energy from Yamuna Water***) in 56th International Conference of Association of Microbiologists of India “AMI

2015” organized by JNU, New Delhi from December 7-10, 2015

- \* A poster (***Heavy Metal in Chocolates: A Cause of Bio-toxicity***) in National Symposium on Man-Made Diseases: An Urban Menace organized by Zoology Department, Maitreyi College, University of Delhi, February 11-12, 2016

She co-published the following papers:

- \* ***Wild Tigers: A battle for survival*** as a book chapter in Wildlife Management: Concept, Analysis and Conservation (2016), edited by Amita Saxena, pp. 197-202, Daya Publishing House, New Delhi, ISBN: 978-81-70305
- \* ***Public Welfare: The Forensic Psychological Tools Employed Towards a Crime free Society*** in the Proceedings of International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016)”, Vol. 1, pp. 161-169, edited by Savita Roy, G.C. Mishra, S.Nanda & Anju Jain, published by Krishi Sanskriti, New Delhi, ISBN: 978-93-85822-10-0

**Ms. Jayita Thakur** serves/served as:

- \* **Project Investigator** of University Innovation Project (Session 2015-16): Lifestyle Disorders: Etiology, Awareness and Management (SHC 311)
- \* **Member of the Organizing Team and Resource Person** for Inspire Science Camp (2015)

She presented the following papers/posters:

- \* ***Lifestyle disorders: A Case Study of Quetelet’s Index and WHR in undergraduate students*** in an International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016)” organized by Daulat Ram College, University of Delhi, New Delhi, India in collaboration with Krishi Sanskriti, New Delhi, India, January 15-16, 2016.

Her paper was awarded the Best Oral Presentation.

- \* Poster presentation on ***The Burden of Type II Diabetes: A Lifestyle Disorder*** during

National Symposium on “Lifestyle disorders: Understanding the Molecular Mechanisms” organized from Jan 28-29, 2016

She co- presented the following papers/posters:

- \* ***Curcumin: Ayurveda and its Reinvention by Modern science*** in 16th World Sanskrit Conference, International Association of Sanskrit Studies, Bangkok, Thailand held from June 28-July 2, 2015.
- \* ***Employing Microbial Fuel Cell for Generating Bio-Energy from Yamuna Water*** in 56th International Conference of Association of Microbiologists of India “AMI 2015” organized by JNU, New Delhi from December 7-10, 2015.
- \* ***Irregular Ovarian Cycle: Understanding the cause and effects of PCOS*** in National Symposium on “Man-Made Diseases: An Urban Menace” organized by Zoology Department, Maitreyi College, University of Delhi, February 11-12, 2016.

She co-published the following papers:

- \* ***Lifestyle disorders: A Case Study of Quetelet’s Index and WHR in undergraduate students*** in the proceedings of the International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016)”, held on January 15-16, 2016, New Delhi, pp. 232-235, ISBN 978-93-85822-10-0
- \* ***Irregularities of the Ovarian Cycle in Young Females: Etiology, Awareness and Management*** in the International Journal of Biotechnology and Biomedical Sciences, Vol. 2(1), 2016, pp. 57-59, ISSN 2454-4582
- \* ***Cyber Crime and Women - The Indian Perspective*** as a book chapter in Sanshrishti: Creator of good things (2015), ISBN: 978-81-86845-38-0
- \* ***Wild Tigers: A battle for survival*** as a book chapter in Wildlife Management: Concept, Analysis and Conservation, 2016, edited by Amita Saxena, pp. 197-202, Daya Publishing House, New Delhi, ISBN: 978-81-70305

**Dr. Satvinder Singh** serves/served as:

- \* **Project Investigator** of University Innovation Project (Session 2015-16): Accessing



Microbial Diversity of Yamuna Water: A Step towards Environmental Restoration (SHC 303)

- \* **Member of the Organizing Team and Resource Person** for Inspire Science Camp (2015)

He presented the following paper/posters:

- \* ***Propionate: Friend or Foe*** in an International Scientific Association for Probiotics and Prebiotics (ISAPP) conference at the Georgetown University Hotel and Conference Center, Washington DC, USA from May 18-21, 2015
- \* A poster on ***Almond and L. rhamnosus NCDC 17 benefit in diabetes by improving gut function*** in an International Scientific Association for Probiotics and Prebiotics (ISAPP) conference at the Georgetown University Hotel and Conference Center, Washington DC, USA from May 18-21, 2015
- \* A poster on ***Dysbiosis of gut: A crucial factor for obesity*** during National Symposium on “Lifestyle disorders: Understanding the Molecular Mechanisms” organized from Jan 28-29, 2016

He also co-published a paper titled ***Hypoglycemic and Hypolipidemic Effects Aloe vera Extracts Preparations: A Review*** in Phytotherapy Research. DOI: 10.1002/ptr.5532.

## **DEPARTMENT OF BOTANY**

The Botanical Society, Shivaji College for the session 2015-2016 was inaugurated on September 7, 2015 to coincide with Teacher’s Day. ***Pledge to Plant, Adopt and Protect a Tree Campaign*** was organized to sensitize the students for protection of plants. It was accompanied by large scale plantation programmes involving the students.

The Botanical Society of Shivaji College also held its ***Annual Inter-College Festival: FRAGRANCE 2016*** on February 19, 2016. Inaugural function of the fest was accompanied with two lectures by eminent scientists of their respective fields that greatly inspired the audience.

Prof. Suman Lakhanpaul from the Department of Botany, University of Delhi delivered a talk on ***Domestication of Crop Plants: Early Man to Modern Biotechnology***. It was followed by talk from Prof. Rekha Chaudhury, Principal Scientist and Head Tissue Culture Division, National Bureau of Plant Genetic Resources, Pusa, New Delhi on the subject ***Plant Diversity Maintenance: Challenges for Conservation***.

The competitions organized for the students were Poster Presentation, Botanical Rangoli, Botanical Salad Making, Pot Painting and Botanical Quiz Competition, Botanical Salad Making and Pot Painting. Students from across the University participated.

### **Faculty Achievements**

**Dr. Anuradha Mal** developed e-contents for the Institute of Life Long Learning, University of Delhi.

She also presented the following papers:

- \* ***Climate Change Mitigation*** in the National Conference on “Climate Change: Impacts, Adaptations, Mitigation Scenario and Future Challenges in Indian Perspective” on March 2-3, 2015. In: Tripathi S, Devi RS, Kumar S and Jolli V (Eds.). Proceedings of the National Conference on Climate Change: Impacts, Adaptation, Mitigation Scenario And Future Challenges In Indian Perspective, New Delhi March 02-03, 2015; ISBN: 978-93-5235-335-4; Published by Department of Botany, DeenDayalUpadhyaya College (University of Delhi), New Delhi-110015.

She also co-presented the following papers/poster:

- \* A paper entitled ***Impact of Yoga on Life Style Disorders*** in the National symposium on “Lifestyle Disorders: understanding the molecular mechanisms” organized by Department of Biochemistry, Shivaji College on January 28-29, 2016
- \* A paper entitled ***Meditation for Health and Peace*** in the International conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness” organized by Daulat Ram College on January 15-16, 2016, Conference Proceedings

Volume-IISBN-978-93-85822-10-0

- \* A poster entitled *Air Pollution and Its Impact on Human Health, Crops, And Ecosystem* in one day national seminar “Water And Air Quality In Urban Ecosystem” organized by Eco Club, Shivaji College on March 22, 2016 and got first prize for the poster.

She also co-presented a poster entitled *Impact of yoga on life style disorders* in the National symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by Department of Biochemistry, Shivaji College on January 28-29, 2016.

**Dr. Anita Kapur** attended the workshop on DNA fingerprinting held on January 22, 2016 at Hindu College, University of Delhi.

**Dr. Pratima R. Sardar** presented a poster entitled *Impact of Tourism in Himalayan Mountain Regions* in the “First Himalayan Conclave-2015”, an IBSD initiative, organized by Institute of Bioresources and Sustainable Development (IBSD), Department of Botany, University of Delhi, Himalayan Environmental Studies and Conservation Organisation (HESCO) and Institute of Himalayan Bioresource Technology (IHBT, CSIR) on September 9-10, 2015 at Conference Centre, University of Delhi.

She also co-presented the following posters:

- \* *Lifestyle Diseases and their Prevention through Ayurveda and Yoga* in the National symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by the Department of Biochemistry, Shivaji College on January 28-29, 2016.
- \* *Impact of Junk Food* in the National Symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by Department of Biochemistry, Shivaji College on January 28-29, 2016.
- \* *Effect of Lead (Pb) on Human Health* in the National Symposium on “Environmental Contamination and Public Health” organized by Zakir Hussain Delhi College, University of Delhi on Aug 24, 2015.
- \* *Pharmaceutical Contamination: A frightening hazard to health and environment* in

the National Symposium on “Environmental Contamination and Public Health” organized by Zakir Hussain Delhi College, University of Delhi on August 24, 2015

\* ***Climate Change Indicators in Himalayan Region*** in the First Himalayan Conclave-2015 on September 9-10, 2015 at Conference Centre, University of Delhi.

\* A poster entitled ***Air Pollution and Its Impact on Human Health, Crops, and Ecosystem*** in one day National Seminar “Water and Air Quality in Urban Ecosystem” organized by Eco Club, Shivaji College on March 22, 2016. She received the First Prize for this poster.

**Dr. Vijay Kumar** co-developed e-contents for the Institute of Life Long Learning, University of Delhi. He also participated in a one-day workshop on “Training the Trainees: IPR Workshop” held on January 15, 2016 at Miranda House, University of Delhi.

**Dr. Prabhavathi** co-developed e-contents for the Institute of Life Long Learning, University of Delhi.

She participated in the following programmes:

\* A One-Day Workshop on “Training the Trainees: IPR Workshop” held on January 15, 2016 at Miranda House, University of Delhi

\* A Workshop on “DNA Fingerprinting” held on January 22, 2016 at Hindu College, University of Delhi

She also co-presented the following paper/posters:

\* A poster entitled ***Impact of Yoga on Life Style Disorders*** in the National Symposium on “Lifestyle Disorders: understanding the molecular mechanisms” organized by Department of Biochemistry, Shivaji College on January 28-29, 2016

\* A paper entitled ***Meditation for Health and Peace*** in the International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness” organized by Daulat Ram College on January 15-16, 2016

\* A poster entitled ***Impact of junk food*** in the National Symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by the Department of

Biochemistry, Shivaji College on January 28-29, 2016

**Dr. Smita Tripathi** presented a poster entitled *Edible Oil Consumption Trends and Associated Health Implications* in the National Symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by the Department of Biochemistry, Shivaji College on January 28-29, 2016.

She also co-presented the following posters:

- \* *Significance of edible oil constituents for diminishing the chance of cardiovascular diseases* in the International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness” organized by Daulat Ram College from January 15-16, 2016
- \* *FT-NIR Spectroscopy As A Quality Control Tool In Pharmaceutical Preparations And Prospects In Plant Drug Analysis* in the National Seminar on “Innovative, Advance Research in Bio-Medical and Environmental Dynamics” organized by Dayal Singh College on October 9-10, 2015.
- \* *Edible Oil Consumption Trends and Associated Health Implications* in the National Symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by Department of Biochemistry, Shivaji College on January 28-29, 2016.
- \* *Sustainable Agricultural Practices - Towards Organic Farming* in National Seminar on “Population, Environment and Health” held at SBPG College, Varanasi on March 28-29, 2015

She also co-published an article titled *Photomodulation of Strigolactone Biosynthesis and Accumulation During Sunflower Seedling Growth* (2015) in *Plant Signaling & Behavior* (DOI 10.1080/15592324.2015.1049792), Publisher-Taylor & Francis, ISSN 1559-2324 (Online).

**Dr. Kiran Bamel** published an article in 2015 entitled *Nicotine promotes rooting in leaf explants of in vitro raised seedlings of tomato, Lycopersicon esculentum Miller var. Pusa Ruby* in *International Immunopharmacology*, Vol. 29, pp. 231-234, ISSN 1567-5769.

She presented the following poster/paper:

- \* A poster entitled *Juglone promotes shooting and inhibit rooting in leaf explants of in vitro raised tomato (Lycopersiconesculentum var. Pusa Ruby) seedlings* in the Third International Plant Physiology Congress on “Challenges and Strategies in Plant Biology Research” held from December 11-14, 2015 in New Delhi.
- \* A paper entitled *Heavy Metal Contamination in Vegetables: Source of Nutrition or Health Hazard* in the International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness” organized by Daulat Ram College on January 15-16, 2016. Publication details: Journal of Basic and Applied Engineering Research 3(1): 60-65. ISSN: 2350-0077

She also attended the following programmes:

- \* A One-Day Workshop on “Training the Trainees: IPR Workshop” held on January 15, 2016 at Miranda House, University of Delhi
- \* A Workshop on “DNA Fingerprinting” held on January 22, 2016 at Hindu College, University of Delhi
- \* UGC-ASC sponsored Refresher Course in “Research Methodology” held at the Centre for Professional Development in Higher Education, University of Delhi from June 15 - July 4, 2015

**Dr. Misha Yadav** attended the UGC-ASC sponsored Orientation Programme organized by the Centre for Professional Development in Higher Education, University of Delhi from November 17 - December 15, 2015.

She presented a poster titled *Edible oil consumption trends and associated health implications* in the National Symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by the Department of Biochemistry, Shivaji College on January 28-29, 2016.

She also co-presented the following posters:

- \* *Significance of Edible Oil Constituents for Diminishing the Chance of*

*Cardiovascular Diseases* in the International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness” organized by Daulat Ram College from January 15-16, 2016

- \* *Edible Oil Consumption Trends and Associated Health Implications* in the National symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by Department of Biochemistry, Shivaji College on January 28-29, 2016
- \* *FT-NIR Spectroscopy As A Quality Control Tool in Pharmaceutical Preparations and Prospects in Plant Drug Analysis* in the National Seminar on “Innovative, Advance Research in Bio-Medical and Environmental Dynamics” organized by Dayal Singh College on October 9-10,2015

**Dr. Seema** co-developed e-contents for the Institute of Life Long Learning, University of Delhi.

She also co-presented the following posters:

- \* *Lifestyle Diseases and their Prevention through Ayurveda and Yoga* in the National Symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by the Department of Biochemistry, Shivaji College on January 28-29, 2016
- \* *Impact of Junk Food* in the National Symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by Department of Biochemistry, Shivaji College on January 28-29, 2016.
- \* *Air Pollution and Its Impact on Human Health, Crops, and Ecosystem* in the One Day National Seminar on “Water and Air Quality in Urban Ecosystem” organized by Eco Club, Shivaji College on March 22, 2016 and got first prize for the poster.

**Dr. Gaurav** co-presented the following posters:

- \* *Impact of Junk Food* in the National Symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms” organized by Department of Biochemistry, Shivaji College on January 28-29, 2016
- \* *Lifestyle Diseases and their Prevention through Ayurveda and Yoga* in the National symposium on “Lifestyle Disorders: Understanding the Molecular Mechanisms”

organized by the Department of Biochemistry, Shivaji College on January 28-29, 2016.

## **DEPARTMENT OF BUSINESS ECONOMICS**

The Department of Business Economics is began celebrations of its 10th year of establishment in the College. It organized its annual festival *Invoke 2016* with Panel Discussion as the flagship event on the topic *Start-ups: Scope, Issues And Challenges*.

The department organized an industrial visit to the Catch Bottling Unit (under the aegis of Dharam Pal Satyapal Group) in Kullu district, Himachal Pradesh. The students observed various techniques of bottling water and learned about the various channels of distribution and packaging. The students were informed about the various norms followed by the company and the regulations it is supposed to follow. Also the manager of the plant distributed free samples to the students so that the students too could enjoy the good natural quality water.

### **Faculty Achievements**

**Ms. Parul Behl** participated in the following programmes:

- \* Faculty Development Program on *Advance Research Techniques in Finance* organized by Bharti College, University of Delhi on November 16-21, 2015
- \* Faculty Development Program on *Data Analysis for Social Sciences* organized by Sri Aurobindo College, University of Delhi on October 17, 2015

**Mr. Pankaj Khandelwal** contributed three chapters for the prestigious *E-Pathshala* project of UGC.

**Ms Urvashi Sahitya** attended a UGC sponsored National Seminar at Satyawati College on March 30, 2016 on “Role of Behavioural Finance in the Indian Financial Market”.

## **DEPARTMENT OF CHEMISTRY**



On August 31, 2015, the department organized ACT Concept Test in Chemistry (CONTECH) for the students of B.Sc. (H) Chemistry, Part I, II, III of Shivaji College. It is a National Level Test for undergraduate students studying Chemistry, organized by ACT (Association of Chemistry Teachers, c/o Homi Bhabha Centre for Science Education, Mumbai).

The Chemical Society of Shivaji College organized its **Annual Festival, RASTANTRUM – 2016** on March 17, 2016 in which eminent speakers from the Department of Chemistry, University of Delhi, namely Prof. R.K. Sharma and Prof. S. Kukkrete, were invited to deliver lectures. This was then followed by student activities. Prof. A.K. Prasad, the Chairman, Governing Body, Shivaji College, was invited as the Chief Guest for the occasion.

### **Faculty Achievements**

**Dr. Rajni Kanojia** attended and presented a poster in the 1st National Conference on “Emerging Trends and Future Challenges in Chemical Sciences (ETFC-2016)” at Kirori Mal College, Department of Chemistry, University of Delhi during February 3-4, 2016.

**Mr. Mahendra Kumar Meena** attended the 3-week Refresher Course in Chemistry organized by CPDHE, University of Delhi from June 26 - July 16, 2015.

**Dr. Neena Khanna** participated in the following programmes:

- \* “30th Carbohydrate Conference (CARBO-XXX)” held at Pondicherry University and jointly organized by the Department of Chemistry, Pondicherry University, Puducherry and Association of Carbohydrate Chemists and Technologists, India, ACCT(I) from December 29-30, 2015
- \* participated and presented a poster on *Convenient route to  $\beta$ -C-glycosides: Synthesis of sugar-PEG based amphiphiles for encapsulation of non-polar drugs* in the International Conference on “Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration” organized by Department of Chemistry, Birla Institute of Technology & Science, Pilani, Pilani Campus during October 16-18, 2015

**Dr. Nand Gopal Giri** attended the following programmes:

- \* Analytical Skills Development Course 2015 (ASDC) held in Helsinki, Finland from November 9-20, 2015
- \* the 3-week Refresher Course in Chemistry organized by CPDHE, University of Delhi from June 26 - July 16, 2015

**Dr. Rahul Singhal** served as **Course Convener** for 3-week Refresher Course in Chemistry organized by CPDHE, University of Delhi from June 26 - July 16, 2015.

He also attended the following programmes:

- \* One Week Workshop on ICT Usage in Teaching from September 1-8, 2015 organized by CPDHE, University of Delhi
- \* A 3-Day Workshop on hands-on training on Cell Culture Techniques and Cytotoxicity Assay organized by Amity University from October 14-16, 2015

He also published a book titled **Application of Clay Polymer Nanocomposite as Drug Delivery Vehicle** (2015), LAP Lambert Academic Publishing, ISBN 10 3659745804.

**Dr. Richa Arora** was awarded Ph.D. Degree in Chemistry in the 92nd Annual Convocation of University of Delhi held on May 30, 2015.

She attended the 9th National conference on “Solid State Chemistry and Allied Areas (ISCAS-2015)” organized by Bhaskaracharya College of Applied Sciences, University of Delhi in association with Indian Association of Solid State Chemists and Allied Scientists at Conference Centre of Delhi University from May 8-10, 2015.

**Mr. Deepesh Singh** attended the 1st National Conference on “Emerging Trends and Future Challenges in Chemical Sciences (ETFC-2016)” at Kirori Mal College, Department of Chemistry, University of Delhi on February 3-4, 2016.

## **DEPARTMENT OF COMMERCE**

The Department of Commerce organized a one-day workshop on Tally ERP 9 on September 9, 2015 for B.Com (hons) Semester I students and B.Com in association with Tally Incorporation to

familiarize students with the software which is introduced in the CBCS undergraduate syllabus for commerce students.

The Department organized a UGC Sponsored National Conference on “Globalisation, Economic Development and Sustainability” on March 29, 2016 which was attended by researchers and academicians from across India. The Conference was inaugurated by Sh. Shivendra Tomar, MD, IFCI Venture Capital Ltd. The Department of Commerce published two books which were presented on the occasion. It was followed by Plenary Session by Prof. K.V. Bhanumurthy, Department of Commerce, University of Delhi. There was panel discussion on the topic “New Dimensions of Growth and Development”. The Panelists were Prof. Tejinder Sharma from Department of Commerce, Kurukshetra University, Mr. Niraj Kumar Gupta, Chief General Manager, Financial Inclusion Department, NABARD, Dr. Sandhya Chintala, Vice-President, NASSCOM and Dr. Garima Babbar, Head Strategic Alliances, Education and Skill Development Adobe. It was followed by two technical sessions which were chaired by Prof. Mahabir Narwal, Department of Commerce, Kurukshetra University and Dr. Yamini Gupta, Department of Business Economics. Research Papers were presented by academicians from various Universities like Calcutta, Kurukshetra, Delhi, Jamia, IGNOU. Its *Annual Festival Optimum – 2016* was held on March 30, 2016.

### **Faculty Achievements**

**Mr. P. R. Chadha** authored a book titled **Business Law** (for undergraduate Commerce students) and was published by Galgotia Publishing Co. in 2015 with ISBN 81-8218-084-8.

**Dr. Rabinarayan Samantra** published a paper titled *Organisational Conflict Literature: A Review* in Parikalpana-KIIT Journal of Management, Vol.12 (I), January 2016, ISSN 09742808.

**Mr. Rajesh Kumar** participated in the following programmes:

- \* A Two-Day Workshop on “Innovative Teaching: New Indian Accounting Standards” organized by UGC-HRDC and CPDHE, University of Delhi in May 2015
- \* Faculty Development Program organised by Deen Dayal Upadhyay College and Tally Education Private Ltd. in collaboration with Indian Accounting Association, Delhi Chapter in August 2015

**Dr. Ramesh Malik** and **Ms. Kiran Chaudhary** co-authored and presented a paper *Effectiveness of Indian Entrepreneurial Teaching and training in Higher Education* in a National Seminar on “Smart Bharat: A Business Perspective” organized by the Department of Commerce, Kurukshetra University on February 26, 2016.

**Ms. Vanitha Chawla** participated in the following programmes:

- \* A One-Week Faculty Development Programme on *Advance Research Technique in Finance* November 16-21, 2015 organized by Bharati College, University of Delhi
- \* The 4th Annual International Commerce Convention on “Corporate Governance and CSR: Retrospect And Prospects” held on December 18-19, 2015 in the Department of Commerce, Delhi School of Economics, University of Delhi
- \* National Conference organised by SRCC on “Banking Sector Reforms on India: Experience, Opportunities and Challenges” in April 2015
- \* Two-day Workshop on “Innovative Teaching: New Indian Accounting Standards” organized by UGC-HRDC and CPDHE, University of Delhi in May 2015
- \* Faculty Development Program organised by Deen Dayal Upadhyay College and Tally Education Private Ltd. in collaboration with Indian Accounting Association, Delhi Chapter in August 2015

**Dr. Chhavi Sharma** co-authored the book titled **Financial Accounting** (for CBCS B.Com students), which was published by Ane Books Pvt. Ltd. in 2015 with ISBN 978-93-8212-710-9.

She also participated in the following programmes:

- \* A National Conference organised by SRCC on “Banking Sector Reforms on India: Experience, Opportunities and Challenges” in April 2015
- \* A Two-Day Workshop on “Innovative Teaching: New Indian Accounting Standards” organized by UGC-HRDC and CPDHE, University of Delhi in May 2015
- \* Faculty Development Program organised by Deen Dayal Upadhyay College and Tally Education Private Ltd. in collaboration with Indian Accounting Association, Delhi Chapter in August 2015

- \* The 4th Annual International Commerce Convention on “Corporate Governance and CSR: Retrospect and Prospects” held on December 18- 19, 2015 in the Department of Commerce, Delhi School of Economics, University of Delhi

**Ms. Monica Sharma** participated in the 4th Annual International Commerce Convention on “Corporate Governance and CSR: Retrospect and Prospects” in December 2015.

**Ms. Manisha** participated in the following programmes:

- \* UGC sponsored National Seminar on “Changing Business and Economic Environment in India: Vision 2020” organised by Sri Aurobindo College, University of Delhi on February 26-27, 2016
- \* The 4th Annual International Commerce Convention on “Corporate Governance and CSR: Retrospect and Prospects” organised by Department of Commerce, Delhi School of Economics held on December 18-19, 2015
- \* Faculty Development Program on “Computerised Accounting System using Tally ERP 9” organised by Deen Dayal Upadhyaya College, University of Delhi on February 7, 2015

**Ms. Supriya Kamna** published two papers:

- \* *Corporate Governance In India And Pakistan: A Comparison* in Indian Streams Research Journal, April 2015, ISSN 2230-7850
- \* *E-Commerce in India* in Academicia: An International Multidisciplinary Research Journal, June 2015, ISSN 2249-7137

She also presented a paper titled *Real Estate Sector: Recent Developments on the Path of Good Corporate Governance* in the 4th Annual International Commerce Convention organised by Department of Commerce, Delhi School of Economics held on December 18-19, 2015.

She also participated in the following programmes:

- \* A Workshop on “Media and Its Outreach – An Overview” organised by All India Women’s Conference held on September 15, 2015
- \* UGC sponsored National Seminar on “Changing Business and Economic Environment in India: Vision 2020” organised by Sri Aurobindo College, University of Delhi on February

26-27, 2016

**Ms. Anubha** presented the following two papers:

- \* *Brand Choice On Social Media: A Consumer Perspective* in the two-day National Conference held at Shaheed Bhagat Singh College (M), New Delhi on February 5-6, 2016
- \* *An Analysis of Public Private Partnership in BRICS Countries* in a National Seminar held at the Department of Commerce, Kurukshetra University, Kurukshetra on February 26, 2016

**Ms. Shweta** published the following papers:

- \* *Financial Performance Of Selected BSE Listed Pharmaceutical Enterprises In India* in the International Journal in Management And Social Science, Vol. 3, August 2015, ISSN 2321-1784
- \* *A Study On Non-Performance Assets Of Public Sector Banks In India* EPRA International Journal Of Economic, Business And Management Studies, Vol. 3, August - July 2015-16, ISSN 2347-4378
- \* *Scenario Of Corporate Social Responsibility In India* in EPRA International Journal Of Economic And Business Review, Vol. 3, November 2015, ISSN 2347- 9671
- \* *Financial Inclusion In India: A Key To Growth* in the EPRA International Journal Of Economic And Business Review, Vol. 3, November 2015, ISSN 2347- 9671

She also participated in the following programmes:

- \* A One-Week Faculty Development Programme on “Advance Research Technique in Finance” organized by Bharati College, University of Delhi on November 16-21, 2015
- \* The 4th Annual International Commerce Convention on “Corporate Governance and CSR: Retrospect And Prospects” held on December 18-19, 2015 in the Department Of Commerce, Delhi School Of Economics, University of Delhi

**Ms. Harmanpreet Kaur** published the following papers:

- \* ***Goods and Services Tax (GST) in India: An Overview*** in South Asian Journal of Marketing & Management Research (SAJMMR), Vol. 6, Issue 1-2, January-February 2016, ISSN: 2249-877X
- \* ***Tax Havens: A Global Issue*** in Vision: Journal of Indian Taxation, Vol. 2, Issue 1, January-June 2015, ISSN: 2347-4475
- \* ***Stock Market Behavior And Foreign Institutional Investors- A Study of Indian Stock Market*** in EPRA International Journal of Economic And Business Review, Vol. 3, Issue 2, February 2015, ISSN 2347-9671

She also participated in the following programmes:

- \* 4th Annual International Commerce Convention on “Corporate Governance and CSR: Retrospect and Prospects” organized by Department of Commerce, Delhi School of Economics, University of Delhi on December 18-19, 2015
- \* Faculty Development Programme on “Advance Research Techniques in Finance” organized by Bharati College, University of Delhi on November 16-21, 2015
- \* Faculty Development Programme on “Data Analysis for Social Sciences” organized by Sri Aurobindo College, University of Delhi on October 17, 2015

## **DEPARTMENT OF COMPUTER SCIENCE**

The Department of Computer Science organized its ***Annual Technical Festival Techelons 2015*** on March 23-24, 2015. The inaugural talk was given by Mr. C.K Arora, Business Coach, Trainers Network International. The inaugural session was followed by a plethora of competitive events like IT quiz, Logiks, Algo Quotien, Code Cracker and LAN Gaming. The department organized Code cracker event in collaboration with Code Chef, a global competitive programming platform. Students from DTU, IIITD, NSIT, DU MCA, BHU and affiliated colleges of University of Delhi participated with great enthusiasm.

A talk on ***Cloud Computing*** by Mr. Ashish Raj, Associate Team Leader, CETPA Infotech

was organized on August 13, 2015.

An ICT Awareness Campaign was organized by the students in College on August 12-14, 2015.

### **Faculty Achievements**

**Mr. Rakesh Yadav** serves as **one of the co-investigators** of the University of Delhi Innovation Project “Make Your Life Easy: Using Smart Switch” (SHC 314).

**Ms. Preeti Sharma** serves as **one of the co-investigators**, of the University of Delhi Innovation Project “Real Time Android Application for Travel convenience” (SHC 309).

**Dr. Smriti Babbar** serves as the **co-investigator**, working alongside the principal investigator Dr. Sunita Singh, for the University of Delhi Innovation Project “Accessing Microbial Diversity of Yamuna Water: A Step Towards Environmental Restoration (Bioinformatics Applied in Bioremediation)” (SHC 303).

She published the following papers:

- \* *Plasmepsin II as a Potential Drug Target for Resistant Malaria* in DU Journal of Undergraduate Research and Innovation, Volume 1, Issue 3, 2015, ISSN 2395-2334, pp. 85-95
- \* *Targeting Resistant Plasmodium Through In Silico Approach* in DU Journal of Undergraduate Research and Innovation, Volume 1, Issue 3, ISSN 2395-2334, 2015 pp. 57-66

**Ms. Abha Vasal** received the *Teaching Excellence Award for Innovation* on the occasion of the 93rd Foundation Day, University of Delhi, in May 2015 for the innovation project “Real Time Traffic Solution”.

She also serves as **one of the co-investigators** of the University of Delhi Innovation Project “Real Time Android Application for Travel convenience” (SHC 309).

She co-authored a paper titled *Issues, Challenges in Handling Localisation in E-Governance: A Review* published in proceedings of International Workshop Cum Seminar on “Role of Science



and Technology for Sustainable Development with Focus on Make In India” Amarkantak, M.P, Vol. 4, ISBN 978-81-931794-8-2.

**Mr. Ajay Kumar** co-authored the following papers:

- \* *Knowledge Discovery: Techniques and Application* published in International Journal of Computer Science and Information Technologies, Vol. 7 (1), 2016, pp. 321-322, ISSN 0975-9646
- \* *Issues, Challenges in Handling Localisation in E-Governance: A Review* published in the proceedings of the International Workshop Cum Seminar on “Role of Science and Technology For Sustainable Development with Focus on Make In India”, Vol. 4, ISBN 978-81-931794-8-2, published under Indo Norwegian collaboration project, IGNTU Central university Amarkantak (M.P.) and University of Agder, Norway

He currently also serves as **one of the co-investigators** of University of Delhi Innovation Project “Make Your Life Easy: Using Smart Switch” (SHC 314).

**Mr. Krishan Kant Singh** co-authored and published a research paper titled *A Survey of QoS for IEEE 802.22 WRAN Technologies* in the International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol. 3, Issue VIII, August 2015, ISSN 2321-9653.

## **DEPARTMENT OF ECONOMICS**

The Department of Economics organized a statistical workshop *An Introduction to Stata* on September 18, 2015 to provide its students an insight into the use of available statistical softwares as well as to improve their efficiency of research work and analysis. Mr. Jay Dev Dubey, Consultant with Research and Information System for Developing Countries (RIS) and Mr. Kapil Patidar, Research Officer, Department of Economic Affairs, Ministry of Finance, Government of India, were invited to conduct the workshop. It commenced with lecture on prospects of STATA by each resource person. The lectures were followed by practical sessions in computer labs.

The Department organized its *Annual Academic Festival ‘Pareto’* on March 18, 2016. The

festival will be inaugurated by Prof. Prabhat Patnaik, Emeritus Professor, Centre for Economics Studies and Planning, Jawaharlal Nehru University. The inaugural talk will be followed by various competitive events that entwine creativity with the elements of economics.

### **Faculty Achievements**

**Ms. Anshu Chopra** and **Ms. Mamta Datt** have both undertaken an innovation project on “Real Time Android Application for Travel Convenience” sponsored by University of Delhi.

**Ms. Iti Dandona** submitted e-content of modules on the subject *Public Finance and Policy in India* for the prestigious UGC National Project “e-PG Paathshaala” under NMEICT, an initiative of MHRD, Govt. of India.

**Dr. Reetika Rana** submitted e-content of modules on the subject *Economics of Social Sector and Environment* for the prestigious UGC National Project “e-PG Paathshaala” under NMEICT, an initiative of MHRD, Govt. of India

**Mr. Krishna Ram** attended the following programmes:

- \* Special Winter School Programme conducted by UGC Academic Staff College at Jamia Millia Islamia on December 8-30, 2015
- \* UGC sponsored Refresher Course in Economics organized by HRDC, Jawaharlal Nehru University held from July 20, 2015 to August 14, 2015

**Mr. Sumeet Singh Raheja** attended the following programmes:

- \* Special Summer School Programme conducted by UGC Academic Staff College at Jamia Millia Islamia during May, 2015
- \* UGC sponsored 1st Interdisciplinary Refresher Course in Global Studies organized by HRDC, Jawaharlal Nehru University held from November 16, 2015 to December 11, 2015

He also presented the following papers:

- \* *Economic Viability of Compressed Natural Gas (CNG) as an Automotive Fuel for*

*Private Vehicle Owners: A study of Delhi* at the 28th International Conference organized by Business and Economics Society International held during January 6-8, 2016 in Queenstown, New Zealand

- \* *Assessment of Willingness to Pay for Benefits of Improved Air Quality using Contingent Valuation Method: a study of Delhi, India* at the International Interdisciplinary Business-Economics Advancement Conference, held during May 26-29, 2015 in Las Vegas, Nevada, USA

**Ms. Bhumika Bhavnani** and **Ms. Shivani Gupta** both attended the Special Winter School Programme conducted by UGC Academic Staff College at Jamia Millia Islamia on December 8-30, 2015.

*P.C. Ganguly Memorial Scholarship* for the session 2015-16 was awarded to the following students of Economics. Each student was awarded a sum of Rs. 3000/- as part of this annual merit cum means based scholarship.

Ashok Kumar Meena                      B.A. (H) Economics III year

Pansy Kapoor                              B. A. (H) Economics I year

Simran Ashra                              B. A. (H) Economics I year

## **DEPARTMENT OF ENGLISH**

The Department with the help of the students in the English Literary Society organised a one-day *Gender Workshop* on September 15, 2015 to help engage students with the concept of gender through interactive activities. Dr. Sanjay Kumar, Associate Professor at Hansraj College, University of Delhi was invited as the workshop facilitator.

The Department also organised the *Annual Department Festival – LITOPIA 2016* on February 25, 2016. Dr. Mitra Bose, former Associate Professor at Indraprastha College, University of Delhi was invited to deliver a talk on “Development of the Novel in English from Social Realism

to Fantasy via Magical Realism”, which was the theme of the festival. Students also very enthusiastically participated in the various events of the day, namely Poetry Recitation, Literary Portrait Making, Short Story Writing Competition, Dumb Charade, and Quiz Competition.

### **Faculty Achievements**

**Ms. Sonali Garg** attended a Refresher Course on “Language, Literature and Culture” organised by CPDHE, Delhi held from March 2-22, 2016.

**Dr. Varun Gulati** attended the following programmes:

- \* a Refresher Course on “Language, Literature and Culture” organised by CPDHE, Delhi held from March 2-22, 2016
- \* an Orientation Programme organised by Maulana Azad National Urdu University, Hyderabad from May 14 – June 10, 2015

He published a book titled **Hilary Mantel to Eleanor Catton: A Collection of Critical Essays on Booker Prize Winners** (London: Roman Books, 2015).

**Ms. Preeti Desodiya** attended a UGC-sponsored National conference on *Migration and Identity: The Urban Subject* at Daulat Ram College, University of Delhi on January 28-29, 2016.

**Dr. Chakpram Priyanka** attended the following programmes:

- \* a UGC-sponsored Short-Term Course on Research Methodology organised by the Human Resource Development Centre, Manipur University, Imphal from June 1-6, 2015
- \* a UGC-sponsored Orientation Programme organised by the Human Resource Development Centre, Manipur University, Imphal from December 1-30, 2016

She also published the following chapters:

- \* *The Politics of Reclaiming Indigeneity in Lee Maracle’s I Am Woman* in Unearthing the Unexplored: A Critical Companion to Fourth World Literature edited by B. Poovilangothai and P. Karkuzhali (New Delhi: Authorspress, 2016. ISBN

978-93-5207-255-2)

- \* ***Pinteresque Journey: From The 1950s Onwards*** in Indian Responses to British Literature edited by Arvind Nawale and Vivek Zample (Mumbai: New Man Publication, 2015. ISBN 978-93-83871- 59-9)

She was invited as:

- \* **External Examiner** for viva-voce of Minor Research Projects (Research Works) of our students (BA H. English and MA English) at Amity University on November 6, 2015
- \* **External Examiner** for viva-voce for Non-Teaching Credit Courses (NTCC) of B.A. Hons. English, M.A. English, and M. Phil. students of AIESR at Amity University on May 13, 2015

## **DEPARTMENT OF GEOGRAPHY**

The Department of Geography organised a number of intra-departmental activities for its students in the academic session 2015-2016. An Orientation Programme on the opening day of the first semester was followed by a Fresher's Party in the month of August.

A Pictionary contest was organised on September 23, 2015. In the month of October, the students went on a long excursion to Sariska Tiger project and Fatehpur Sikri. In the same month, the students organised a debate competition on "This house believes that Megacities hamper the development of other areas". Soon after the commencement of the new semester in January 2016, the department held a quiz contest in which students participated with great enthusiasm.

The department ***Annual Festival Shivalik 2016*** was held on March 8, 2016.

### **Faculty Achievements**

**Dr. Preeti Tewari** presented a paper entitled ***Dimensions of Sustainable Development*** in a UGC sponsored National Seminar on "Environmental Ethics, Resource Depletion and Sustainable Development" held on February 25-26, 2016.

She also presented a poster entitled ***Air Pollution: Sources and Effects*** in the National Seminar

on “Water and Air Quality in Urban Ecosystem” organised by the Eco Club, Shivaji College, D.U. on March 23, 2016.

## **DEPARTMENT OF HINDI**

The Sahitya Sangam (Society of Hindi Department) organized two competitions (Creative writing and Poster cum Slogan writing) on September 14, 2015 for celebrating Hindi Diwas.

On October 31, 2015 Hindi (Hons.) students went for an academic trip to Dam Dama Lake, Sohna, Gurgaon (Haryana). On November 5, 2015 the society organized a lecture on the topic of “Navgeet Prampara Aur Shambhunath Singh” which was delivered by Prof. Rajendra Gautam, University of Delhi.

Sahitya Sangam organized a Two-Day Annual Seminar on February 23-24, 2016. On February 23, literary competitions like Sadya Kavita Lekhan, Aakarshak Paridhan (fancy dress), Sadya Bhashan *etc.* were held, in which students from the various departments of our own college as well as from other colleges participated. On February 24, Sahitya Akadami Awardee and famous writer Dr. Ramdarash Mishra delivered his speech on LEKHAK SE SAMVAAD program.

In the second half of the program, HASYA KAVI SAMMELAN was organized. Three poets were invited, namely Sh. Naresh Shandilya (Dhohakar and Gazalkar), Hasya kavi Sh. Rasik Gupta, and Hasya kavyitri Smt. Baljeet kaur Tanha.

On March 30, 2016 the Society organized two competitions (Sahityik Prashnottari and Camere Ki Nazar Se) for only Hindi (Hons.) students.

## **Faculty Achievements**

**Dr. Vikas Sharma** published the following papers:

- \* *Aadhe Adhure-Stree Vimarsh* in the Hindi magazine Aadhunik Sahitya, April - September edition, ISSN 2277-7083
- \* *Rashtriya Ekta Evam Shiksha* in the Hindi Magazine Samyak Bharat, November 2015, ISSN 2277-2553

He presented a paper titled *Natakkar Swadesh Deepak* in a National Seminar organized by

P.G.D.A.V College (evening) in November 2015.

He participated in *Kavi Sammelana* as a Kavi in Rewari Sahitaya Mahotsav on November 21, 2015.

He also delivered the following lectures:

- \* *Sikudta Shabd Bhandar* in Rewari Sahitaya Mahotsav on November 22, 2015
- \* *Inculcation of Values in Students* in Shree Venkateswara International School, Sector – 10, Dwarka in October 2015

**Dr. Jyoti Sharma** successfully completed a term as a **Visiting Professor** in University of Switzerland in the session 2015-2016.

She delivered a Lecture on the topic “Silence is also an expression: in the context of silent cinema the beginning of Bollywood” on May 12, 2015 in University of Switzerland.

She presented the following papers:

- \* *Hindi Language teaching: innovative techniques* in the International Conference on “Innovating Education in Asia” on October 31 – November 2, 2015 at Hansraj College, University of Delhi
- \* *Bhaktikaalin kavita me meera ka swar* in the National Seminar on “Madhyakaalin hindi sahitya ka samajik sandarbh” on February 2-3, 2016 at Hansraj College, University of Delhi
- \* *Sarveshwar dayal saxena ka natak bakri:samajik rajnitik paridrishya* in a two-day National Conference on “Badalta bhartiya paridrashy aur swatantryotar hindi natak” on February 12-13, 2016 at PGDAV college, University of Delhi
- \* *Bhaktikaalin kavita ke mahila swar* in a two-day national seminar at Hindu College, DU on March 17-18, 2016
- \* *Vibhajan ki dahliz par sangharsh ka swar: markandey ki kahaniyaan* in an International Seminar at PGDAV College on March 19, 2016
- \* *Stri asmat aur asmita ke bunyaadi sawal* in a National Conference at Satyawati college on March 21-22, 2016

**Dr. Sarita** presented a paper titled *Ritikaleen Veer Kavya* on February 2-3, 2016 in National Seminar held in Hansraj College, University of Delhi.

**Dr. Kanchan** presented a paper titled *Bazarwad ke Sandarbh Aur Aaj Ka Rangarm* in a National Seminar organized by P.G.D.A.V college (evening) in November 2015.

She also published an article *Hindi Upanyason Me Uttar Aadhunika* in the Hindi Magazine “Samyak Bharat”, November 2015, ISSN 2277-2553.

**Dr. Darshan Pandey** attended the following programmes:

- \* A two day International conference on “Swatantryottar Hindi Kahani: rachnatmak sarokaron ki padtaal” organized by the Dept. of Hindi, PGDAV College, D.U. on March 18-19, 2016
- \* A National seminar titled “Madhyakaleen Hindi Sahitya: Samvedna, Shashtr aur Samsamyikta” organized by Nav unnayan sahyik society (regd.) and Central Hindi Directorate, Delhi on March 17, 2016
- \* A two-day International conference on “Acculturation religion society language” organized by Dept. of History in collaboration with Dept. of Sanskrit, Shivaji College on February 17-18, 2016
- \* A UGC sponsored two-day National seminar “Madhyakaleen Hindi Sahitya ka Samajik Sandarbh”, organized by Dept. of Hindi, Hansraj College, D.U. on February 2-3, 2016
- \* An International seminar on “Bharat japan sambandh: Itihaas, sanskriti aur aarthik paripreksh” at DBRA College, D.U. on September 7, 2015

He also participated in a two-day UGC sponsored Seminar on “Sahitya aur cinema mein samaj aur sanskriti” organized by Dept. of Hindi, Ramanujan College on March 31, 2015.

He presented the following research papers:

- \* *Strii asmita kentrit Swatantryottar Hindi Kahani* in a two-day International Conference organized by Dept. of Hindi, PGDAV College, D.U. on March 18-19, 2016
- \* *Vrind ka kavya: varnya vishay evam abhivyanjana shilp* in a two-day National Seminar organized by Hansraj College, Dept. of Hindi, D.U. on February 2-3, 2016



- \* *Hindi cinema mein stri ke badalte roop ka chitran* at Ramanujan College organized by Dept. of Hindi on March 31,2015
- \* *Sant kaviyon ke Strii vishyak drishtikon aur Raidaas ka nari chintan* in an International Conference organized by Bhartiya Bhasha Kendra, JNU on February 23-24, 2015

He edited a book titled **Utkarsha - Epitomizing Progress**, published by Prithvi Prakashan, New Delhi, March 2016, ISBN 978-81-86845-40-2.

He also published the following articles:

- \* *Suryakant Tripathi Nirala: Nirdharit Path Vishleshan* E-Paath for ILLL, DU, 2015 (E-path)
- \* *Bhartiya stree : Kal, Aaj aur Kal* in a book named *Utkarsha: Epitomising Progress* published by Prithvi Prakashan, New Delhi, March 2016

**Dr. Aravind Kumar Yadav** authored the following books:

- \* **Jativadi Samaj Ka Sahityik Dastavez: Kullibhatt** published by Parikrama Prakashan, Delhi, ISBN 978-81-8021-047-1
- \* **Lok Sahitya: Kala Ke Vividh Rang** published by Parikrama Prakashan, Delhi, ISBN 978-81-8021-048-8

He was honoured with **Mahatma Jyotiba Fule National Fellowship Award 2015** by Dalit Sahitya Akadami, Delhi.

**Dr. Tarun** presented the following papers:

- \* *Hindi Alochana Me shodh Pravidhi Ki Arthvatta* in a National Seminar “Hindi Shodh: Swaroop Aur Sambhanayein” held at PGDAV College (Eve.) in 2015. This paper was also published as a book chapter in *Hindi Shodh: Swaroop Aur Sambhavana*, edited by Aniruddh Kumar, ISBN:978-81-7975-773-4
- \* *Hindi Vartani Ki Awashyakta Aur Devnagiri Lipi Ka Manikaran* in a National Conference “Hindi Vartani Evam Devnagiri Lipi Ka Mankikaran” jointly sponsored by

Kendriya Hindi Nideshalya and Shri Ram College of Commerce from March 14-16, 2016

He published the following papers:

- \* a book chapter *Nirmala Putul Ki Kavitaon Me Adivasi Stri Ka Sach* in Yathastithi Se Takrate Hue, ed. Anita Bharti and Bajrang Bihari Tiwari, Delhi: Samyak prakashan, 2015
- \* *Nehru Yug Ka Swapn Aur Malyaj Ka Mulyankan* in the e-magazine sahchar.com edited by Alok Pandey, ISSN: 2395-2873, January 2016

**Ms. Parveen Bhardwaj** presented a paper in a National Seminar on “Hindi vertenee avum devnagiri lipi ka mankikaran” jointly organized under the aegis of Central Hindi Directorate and SRCC from March 14-16, 2016.

She participated in the following seminars:

- \* The UGC-sponsored “Madhyakaleen Sahitya Ke Sikhshan Ki Chunotiya” Seminar organized by Kalindi College, University of Delhi from March 10-11, 2016
- \* “Samajik or Arthik Vikas Ki Avdharna or Adiwasi Samaaj” jointly organized by UGC and Daulat Ram College from March 9-10, 2016

## **DEPARTMENT OF HISTORY**

Students of the Department of History of Shivaji College along with the faculty went for a day-long *Study Tour* to the National Museum on October 9, 2015.

A *Heritage Walk* was conducted for the students and faculty at the sites of Kotla Firuz Shah, Purana Qila, Khair- ul Manazil Masjid, Sher Shah’s Mandi Gate and the Mausoleum of Abdur Rahim Khan-i Khanan, on November 2, 2015.

On January 15, 2016, the department organised competitive and non- competitive inter-college and intra-department programmes. One was the *Fancy Dress Competition* in which students had to dress up as and embody some historical character/s and mouth real or imaginary monologue or dialogue of that person. The second was an Intra-College *Painting Competition* on Heritage Structures with especial marks for a tag-line. A Guru Dutt classic, PYASA, was screened and the

students critiqued the movie subsequently.

The Department of History organized an International Seminar on *Acculturation: Religion Society Language* on February 17- 18, 2016 in the college premises in collaboration with the Department of Sanskrit. The Seminar was funded by the Indian Council of Social Science Research, the Indian Council for Cultural Relations, the University Grants Commission and the Central Bank of India. And, the Director- General of the ICCR, Ambassador C. Rajasekhar was invited as the Chief Guest. There were two International Speakers, Prof, Catherine Asher from the University of Minnesota and Prof. Ebba Koch from the University of Vienna. Other participants included scholars from the Departments of History, Persian and Sanskrit from the University of Delhi and the Jawaharlal Nehru University. Scholars deliberated on the issue of acculturation in various fields over different periods of historical time. A mehfil of Qawwali was organized as the finale of the seminar entitled *AAJ RANG HAI!* Janab Yousuf Khan Nizami and his troupe performed qawwali and completely mesmerised the audience.

The Department also organised a two-day historical tour to study Imperial Architecture at Agra, Fatehpur Sikri and Deeg Palace on March 14-15, 2016. The students and faculty also observed the measures being undertaken to conserve these World Heritage Sites by UNESCO and the Indian Conservation Agencies.

### **Faculty Achievements**

**Dr. Amarjiva Lochan** published the following book/chapter:

- \* **Mahakaruna Dharini: Essays on Royal Women in Sanskrit Epigraphy**, 2015 (Ed.), Paris and Bangkok: International Association of Sanskrit Studies and Sanskrit Studies Centre, ISBN 10:938-0397577
- \* ***Southeast Asians in India: A critical study of Nālandā Copperplate Inscription of Devapāladeva***, in **Mahakaruna Dharini**, 2015(Ed.), Paris and Bangkok: IASS and SSC ISBN 13: 978-9380397573

He has been honoured as:

- \* **The President, SSEASR** (South and Southeast Asian Association for the study of Culture and Religion) for the term 2015-2019
- \* **Asia's Representative** and appointed as **Executive Committee Member of the IAHR** (International Assn. of History of Religion) under CIPSH, affiliated to the UNESCO for the term 2015-2020

He was awarded with the Rashtriya Gaurav Award by the Indian Institute of Oriental Heritage, Kolkata on February 27, 2016.

He also served as:

- \* **Academic Chair** of the 6th SSEASR (South and Southeast Asian Association of the Study of Culture and Religion) International Conference organised by University of Kelaniya, Kelaniya, Sri Lanka in collaboration with International Association for Asian Heritage (IAAH) and Sri Lanka Association of Buddhist Studies (SLABS) on June 4-7, 2015
- \* **Organising Secretary** of the 16th World Sanskrit Conference at Bangkok, Thailand held from June 28-July 2, 2015
- \* **Keynote Speaker** on the subject "Buddhism at Crossroads: Crisis and Challenges in Asia" at Central Institute of Himalayan Culture Studies (CIHCS), Dahun, Arunachal Pradesh on October 5, 2015
- \* **Convener** of the Session on "Whither Tibet's Future?" at the 6th International Conference, Human Rights Defense International (HRDI) held at Indian Law Institute (Deemed University), New Delhi, January 9, 2016.
- \* **Keynote Speaker** on the subject "Protection of Balinese Culture in the Age of Globalization" for the Special Academic Workshop for MA/PhD students at IHDN University (under Ministry of Religion), Denpasar, Bali, Indonesia on January 27, 2016
- \* **Keynote Speaker** on "Where Are Your Stories? A Study Of Orality Of The Past in Our Part Of The World" at the 2nd PASCHR Conference (Philippine Association for the Study of Culture, History and Religion) hosted by Iloilo Science And Technology University (ISAT-U), Lapaz, Iloilo City and Guimaras State College, Buenavista,

Guimaras on March 2-4, 2016

He also chaired the sessions on “Sanskrit in Southeast Asia and Buddhist Studies” at the 16th World Sanskrit Conference at Bangkok, Thailand held from June 28 - July 2, 2015.

He also organised and chaired a session on “Religiosity among Indian Diaspora in Southeast Asia: Adjustments or Compromise?” at the XXI International Association for the History of Religions (IAHR) World Congress, Erfurt, Germany on August 23-29, 2015.

He delivered lectures at the Special Seminar on “Hinduism and Gender Studies” for the students of Faculty of Theology, University of Basel, Switzerland in October, 2015.

He presented the following papers:

- \* ***Watering Down of Buddhism in Mekong Region: Challenges and Remedies*** at the International Conference “Buddhism in the Mekong Region: Its History and Development” organised by Vietnam Buddhist Research Institute and University of Social Sciences and Humanities, Ho Chi Minh City, Vietnam during November 13-14, 2015
- \* ***Sanskrit Terms in Philippine Textiles*** (co-authored with Marylin Canta) at the 16th World Sanskrit Conference at Bangkok, Thailand held from June 28 - July 2, 2015

**Dr. Shama Mitra Chenoy** presented a paper entitled ***Sair- ul Manazil Triumph of Urbanism! Still!*** on March 9, 2016 at the two-day Seminar organised by the National Archives of India on “Sources of 18th and 19th Centuries” to celebrate its one hundred and twenty fifth anniversary.

## **DEPARTMENT OF MATHEMATICS**

The Department of Mathematics organized a one-day workshop for Mathematics (Hons.) students in the college auditorium on October 27, 2015. The workshop consisted of two talks by eminent resource persons, namely Dr. Somitra Kumar Sanadhya, IIITD and Dr. Ved Prakash

Gupta, JNU.

The Mathematics Society of Shivaji College celebrated their *Annual Festival Infinity - 2016* on February 10, 2016. Prof. M.D. Sharma, Department of Mathematics, Kurukshetra University was the chief guest on the occasion. He delivered a talk on “*Mathematical Analysis of Astrology*”. He illustrated on the use of Mathematics in astrology. During the festival, the Department organized seven competitions, namely Mathematical Rangoli, Mathematical Poster Making, Mathematical Slogan Writing, Mathematical Debate, Paper Presentation, Sudoku Mania and Mathematical Quiz.

The Department organized and participated in DST sponsored **Inspire Science camp** with the help of other science departments of the college.

### **Faculty Achievements**

**Dr. Surbhi Madan** was awarded ‘Teaching Excellence Award for Innovation’ in her capacity as **Principal Investigator** of the Innovation Project SHC-206: Real Time Traffic Solution.

**Mr. Ashesh Kumar** attended a 3-day training course on MATLAB Fundamentals organized by MathWorks Training Services held at Computer Centre, University of Delhi from May 7-9, 2015.

**Dr. K. Priyanka** co-authored the following published papers:

- \* *Searching Effective Rotation Patterns for Population Median using Exponential Type Estimators in Two-Occasion Rotation Sampling* (2016), Communication in Statistics (Theory and Methods), DOI: 10.1080/03610926.2014.944661
- \* *Multivariate Rotation Design for Population Mean in Sampling on Successive Occasions* (2015), Communications for Statistical Applications and Methods, Vol. 22, No. 5, 445-462
- \* *Estimation of Population Median in Two-Occasion Rotation sampling* (2015), Journal of Statistics Applications & Probability Letters, Vol. 2, No. 3, 205-219

Her paper titled *Longitudinal Analysis of Population Mean on Successive Occasions* has been

accepted for publication in the International Journal of Mathematics and Statistics.

Her second paper *Cogitation of Incompleteness in the midst of Imputation in Longitudinal Surveys for Population Mean* has been accepted for presentation in the National Seminar on “Recent Statistical Computing Techniques and Their Application” to be held at Ramanujan College, University of Delhi from March 11-12, 2016.

She also reviewed research papers for the two peer-reviewed International Journals, namely the Journal of Applied Statistics and the Journal of Modern Applied Statistical Methods.

**Dr. Vandana** attended the following programmes:

- \* UGC-sponsored Orientation course organized by Centre for Professional Development in Higher Education, University of Delhi held from May 25 to June 20, 2015
- \* UGC-sponsored Refresher course organized by Centre for Professional Development in Higher Education, University of Delhi held from November 26 to December 16, 2015
- \* One-day Workshop on “Computational Optimization” organized by Department of Mathematics, Sri Venkateswara College, University of Delhi on February 5, 2016

She served as:

- \* A **Local Organizing Committee member** in an International Workshop on “Operator Spaces” held at the Department of Mathematics, University of Delhi from December 7-9, 2015
- \* A **Resource person** in an international workshop on “Operator Spaces” held at the Department of Mathematics, University of Delhi from December 7-9, 2015, where she lectured on “Operator Space Tensor Products”

**Dr. Neetu Rani** presented paper titled *A Mathematical Study of Banking Sectors in India* during the International Conference on “Recent Advances in Optimization Theory and Applications” organized by Department of Operational Research, Faculty of Mathematical Sciences, University of Delhi held during January 30-31, 2016.

She attended the following programmes:

- \* UGC-sponsored Orientation Course organized by Centre for Professional Development in Higher Education, University of Delhi, held from June 8 - July 4, 2015
- \* A 3-day training course on MATLAB Fundamentals organized by MathWorks Training Services held at Computer Centre, University of Delhi from May 7-9, 2015
- \* One-day Workshop on “Computational Optimization” organized by Department of Mathematics, Sri Venkateswara College, University of Delhi on February 5, 2016

She also organized a one-day Workshop for the Mathematics (Hons.) students on October 27, 2015.

**Mr. Uttam Kumar Sinha** attended the UGC-sponsored Orientation course organized by Centre for Professional Development in Higher Education, University of Delhi held from May 25 - June 20, 2015.

He also participated in the following programmes:

- \* International Workshop on “Operator Spaces” held at the Department of Mathematics, University of Delhi from December 7-9, 2015
- \* The 14th Discussion Meeting on “Harmonic Analysis” held at the Department of Mathematics, University of Delhi from December 10-12, 2015

**Dr. Shilpi Verma** attended the following programmes:

- \* UGC-sponsored Orientation Course organized by Centre for Professional Development in Higher Education, University of Delhi, held from June 8 to July 4, 2015
- \* A 3-day training course on MATLAB Fundamentals organized by MathWorks Training Services held at Computer Centre, University of Delhi on May 7-9, 2015
- \* One-day Workshop on “Computational Optimization” organized by Department of Mathematics, Sri Venkateswara College, University of Delhi on February 5, 2016

She presented the following papers:



- \* *An Optimization Model For 'Build-Or-Buy' Decisions In The Component Selection Of A Modular Software With Multiple Applications* in the 7th International Conference on “Quality, Reliability, Infocom Technology and Business Operations”, Department of Operational Research, University of Delhi, December 28-30, 2015
- \* *An Optimization Approach To Optimal 'Build-Or-Buy' Decisions In The Design Of A Modular Software System Under Multiple Applications Development* in the International Conference on “Recent Advances in Optimization Theory and Applications”, Department of Operational Research and Department of Mathematics, University of Delhi, January 30-31, 2016

**Dr. Jeetendra Aggarwal** published an article titled *Rz-Supercontinuous Functions* in *Mathematica Bohemica*, Vol. 140, No. 3, pp. 329-343, 2015.

He attended the following programmes:

- \* UGC-sponsored Refresher course organized by Centre for Professional Development in Higher Education, University of Delhi, held from November 26 - December 16, 2015
- \* UGC-sponsored Orientation Course organized by Centre for Professional Development in Higher Education, University of Delhi, held from June 8 - July 4, 2015

He also organized a one-day Workshop for the Mathematics (Hons.) students on October 27, 2015.

**Ms. Deepti** attended the following programmes:

- \* UGC-sponsored Refresher course organized by Centre for Professional Development in Higher Education, University of Delhi, held from November 26 - December 16, 2015
- \* One-day Workshop on “Computational Optimization” organized by Department of Mathematics, Sri Venkateswara College, University of Delhi on February 5, 2016

**Dr. D. K. Yadav** attended a one-day Workshop on “Computational Optimization” organized by the Department of Mathematics, Sri Venkateswara College, University of Delhi on February 5, 2016.

He published a paper titled *Early Basic Foundations of Modern Integral Calculus* in the International Journal of Education and Science Research Review, Vol. 2, Issue-2, pp. 37-44, April 2015, ISSN 2348-6457, [www.ijesrr.org](http://www.ijesrr.org).

**Mr. Satish** attended a one-day Workshop on “Computational Optimization” organized by the Department of Mathematics, Sri Venkateswara College, University of Delhi on February 5, 2016.

## **DEPARTMENT OF PHYSICAL EDUCATION**

Shivaji College organizes as well as hosts various sports tournaments which are held at its playground. This year Sports day was organized on 9th February 2016. Approximately 1000, students and staff participated in the Sports Day. Inter-college tournaments for differently-abled students in various games were also organized during sports day. Students from various colleges participated. The Guest Of Honour invited to inaugurate these para-games was Ms. Deepa Malik, an Arjuna Awardee 2012 and a para-elite athlete. The Chief Guest invited to grace the occasion of Sports day 2015-16 was Shri Sourabh Bharadwaj, an influential leader in Aam Aadmi Party (AAP) and a member of Delhi Legislative Assembly from Greater Kailash constituency.

Shivaji College sports teams participated in large number in Inter-college sports tournaments organized by Delhi University as well as in Inter-University tournaments. College students also participated in various sports championships at both State and National levels.

Students who have won laurels in the above mentioned tournaments:

1. Preeti, B.A. Hons. Sanskrit, 3rd year participated in Third National Throw ball Championship and won First position.
2. Hema Joshi, B.Com, Prog. Ist year participated in 26th Women Senior National Atya Patya Championship and won First position.

3. Komal Sharma, B.A. Hons Pol.Science IInd year participated in 68th National Track Cycling Championship as member of Delhi State women's Elite team.

4. Babita, B.A. (H) Pol. Science, IIIrd year, an equestrian, has won NCC Commendation card, one of the highest award, awarded by NCC for equestrian competitions. She also won gold medal in Dressage competition organized by Thailand equestrian Federation in Bangkok.

5. Deepesh Nailwal, B.A. (H) Pol. Science, Its year participated in Jharkhand Inter- District Cricket tournament (under 19years) as member of Hazari Bagh District Cricket team.

6. Himanshu Panchal, B.A. (H) Hindi, 3rd year participated in Haryana Inter district tournament (both under 19 years and open category) as member of Panipat district cricket team.

7. Mohit Ballara, B.A. (Prog.) Ist year and Sagar, B.A. (Prog.) IInd year participated in Delhi University inter college Wrestling tournament and both secured third position in the tournament.

## **DEPARTMENT OF PHYSICS**

The Physics society organized a workshop on "Astrophysics, Cosmology & Computation" in the college auditorium on February 12, 2016. Eminent speakers like Prof. Anjan Ananda Sen, Center for theoretical Physics, Jamia Milia Islamia, Prof. Patrick Dasgupta, Department of Physics and Astrophysics, University of Delhi, and Prof. Ravishankar V, Department of Physics, IIT Delhi were invited to present talks on the occasion. Overwhelming response of 250 registered participants from various colleges of Delhi University was the highlight of the workshop.

The Department also organized its annual festival *INVENIO-2016* on March 9-10, 2016. Prof. R. K. Kotnala, Chief Scientist, NPL, Delhi delivered a motivational talk to inspire the students. Various inter-college competitions like power point presentation, Science quiz, poster

presentation took place in the fest.

The Department conducted the “National Graduate Physics Examination” (NGPE-2016) on January 24, 2016, which was organized by the Indian Association of Physics Teachers.

Six students of B.Sc. (Hons.) Physics, accompanied by the faculty Mr. Vishal Chaudhary, attended the National Science Day Workshop on Accelerator Physics on February 28, 2016 at National Science Center, Delhi.

### **Faculty Achievements**

**Ms. Mamta** published the following articles:

- \* *Efficient second- and third-harmonic radiation generation from relativistic laser plasma interactions* in Physics of Plasmas, Vol. 22, 2015, pp. 063303, DOI: 10.1063/1.4922435, ISSN: 1070-664X
- \* *Temporally asymmetric laser pulse for magnetic-field generation in plasmas* in Physics Letter A, Vol. 380, 2016 pp. 1437–1441, DOI: 10.1016/j.physleta.2016.02.015, ISSN: 0375-9601
- \* *Plasma based optical guiding of an amplitude-modulated electromagnetic beam* in Proceedings of SPIE, Vol. 9654, 2015, pp. 96541R, DOI: 10.1117/12.2182397, ISSN: 0277-786X

She also co-published an article titled *Amplitude saturation effects of a laser-driven plasma beat-wave on electron accelerations* in the Journal of Plasma Physics, Vol. 81, 2015, pp. 905810324, DOI: 10.1017/S0022377815000288, ISSN: 0022-3778.

**Dr. Shiv Shankar Gaur** was selected for the Homi Bhabha Science Education Physics Olympiad program held at TIFR, Mumbai from November 30 to December 3, 2015.

He co-published the paper titled *Electrochemical sensitive determination of nanomolar Guanine from ZnO nanorods coated on Platinum Electrode* in the journal Electroanalysis, Vol. 27, Issue 11, 2015, ISSN 1521-4109.

## **Student Achievements**

Two students, Sahil Chadha and Nikita Sharma of B.Sc. (Hons) Physics III year cleared the Joint Entrance Screening Test (JEST) 2016 with rank 34 and 55 respectively. JEST is a national level qualifying entrance test for doing Ph. D and Integrated MS-Ph. D from India's finest research institutes like TIFR-Hyderabad, HRI, Allahabad, the IISERs, Indian Institute of Astrophysics, Institute of Plasma Research, Institute of Mathematical Sciences, NISER, Institute of Physics, Bhubaneswar, Raman Research Institute, Bangalore etc.

Sahil Chadha and Nikita Sharma also cleared the prestigious Joint Admission Test (JAM) 2016 for postgraduation from IITs with rank 18 and 93 respectively.

## **DEPARTMENT OF POLITICAL SCIENCE**

The Department of Political Science, Shivaji College organized a day-long Seminar as Dr. B.R. Ambedkar Memorial Lecture on The Constitutional Day in the month of November 2015. The Lecture was delivered by Prof. Sunil Kumar Choudhary of Delhi University on the topic “Constitutional Development and Growth in India”.

The Department organized its *Annual Political Science Festival* in the month of March 2016. The seminar lecture was delivered on the topic “Social Justice In Contemporary Times”. Prof. Usha Tandon, head of Campus Law Centre, was invited as a speaker, and she delivered a talk on social justice and legal dynamics with respect to women. Prof. Sushma Yadav, Chair Ambedkar Studies at Indian Institute of Public Administration, was another distinguished speaker in the event and delivered a lecture on Ambedkar and Social Justice. It was then followed by a debate competition of students on the topic “Nationalism in present times”. Quiz competition was organized on the topic “Indian Constitution and Nationalism in India”.

## **Faculty Achievements**

**Mr. Bishnu Charan Satpathy** delivered lectures to DANICS Officers at DANICS head office, Karkardooma, New Delhi in 2015.

**Mr. Satish Kumar** published an article titled *Nuclear Proliferation and Debates on Nuclearization* in North Asian International Journal of Political Science, 2016, ISSN 2454-9827

**Dr. Malvika Singh** published a chapter titled *Caste and Politics in India* in the edited textbook Political Processes in India, 2015, Pinnacle Publication, ISBN 978-0136019

## **DEPARTMENT OF SANSKRIT**

The department in collaboration with the Department of History organized an International Conference on *Acculturation: Religion Society Language* on February 17-18, 2016. The Sanskrit Society of the college - *Nishreyasa* - also organised a one-day Seminar on March 14, 2016. The event was chaired by our distinguished Chief Guest Prof. Shashiprabha Kumar, Vice Chancellor of Sanchi University, Bhopal. The two other eminent speakers namely Prof. Girish Nath Jha, Centre for Sanskrit Studies, Jawaharlal Nehru University, and Prof. Ramesh Chand Bhardwaj, Department of Sanskrit, University of Delhi spoke on “Information Technology for Sanskrit Heritage” and “Vedic Culture and Indian Values” respectively. An inter-college competition was also conducted during the current academic year.

### **Faculty Achievements**

**Dr. Ravindra Kumar Vasistha** conducted a workshop on “Indian Epigraphy and Manuscriptology” at Jain Vishwabharati (Deemed University) at Ladnun, Rajasthan, June 2015.

He also delivered the following lectures in the Refresher Courses organized by:

- \* Department of Sanskrit, University of Delhi on “Chronology” on March 4, 2016
- \* Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeeth, Delhi on “Indian Epigraphy” on

February 16, 2015

- \* Rastriya Sanskrit Sansthan, Delhi on “Indian Epigraphy” in October 2015

He also presented a paper titled *Language of Inscription* at an International Sanskrit Conference at Bangkok, Thailand, June 2015.

**Dr. Sukhram** edited the book Manusmrati (translated by G. Buhlar), published by Parimal Publication, Delhi, 2015, ISBN 978-81-7110-527-4.

He also presented a paper titled *Upanishado Me Samvad Ek Shikshan Paddhati ke Rup Me* at a National Seminar in Hindu College held on April 22-23, 2015.

## DEPARTMENT OF ZOOLOGY

The Department of Zoology was a part of organizing INSPIRE programme for students of various schools of Delhi. The students of Department of Zoology also visited the Delhi Zoological Park for practical exposure to study the various aspects of Animal Behaviour.

### Faculty Achievements

**Dr. Indra Chaudhary** presented a poster on *Lifestyle Disorder* in National Symposium on “Lifestyle Disorders (NSLD): Understanding the Molecular Mechanism” held in Shivaji College, University of Delhi on January 28, 2016.

She also attended a lecture series as a part of Science SETU program held at National Institute of Immunology and Hindu College, University of Delhi on January 14, 2016.

**Dr. Deepika Yadav** attended the following programmes:

- \* Refresher Course in Life Sciences & Biotechnology organized by Jawaharlal Nehru University from July 20 – August 14, 2015
- \* Lecture series as a part of Science SETU program held at National Institute of

Immunology and Hindu College, University of Delhi on January 14, 2016

- \* attended and helped organize the workshop on “DNA FINGERPRINTING” held on January 22, 2016 at Hindu College, University of Delhi under the auspices of Science Setu

She presented the following paper/posters:

- \* A paper entitled ***Ethical Rights of Reproduction in context with Compensations and Concerns*** in National Symposium on “Reproductive Health in India: Concerns and Awareness” held at Deshbandhu College, University of Delhi on 12 February 2016
- \* Posters entitled ***Climate Change Indicators In Himalayan Region and Impact Of Tourism In Himalaya Mountain Regions*** in the 1st “Himalayan Conclave – 2015” organized by Institute Of Bioresources And Sustainable Development (IBSD) in association with Department of Botany, University of Delhi, Delhi & Himalayan Environmental Studies and Conservation Organization (HESCO), Dehradun held at Conference Centre DU on September 9-10, 2015
- \* Poster presentation and abstract publication entitled ***Significance of nutraceutically balanced edible oil selection to avoid cardiovascular and other ailments*** in International Conference on “Public Health: Issues, challenges, opportunities, prevention, awareness (Public Health: 2016)” held at Daulat Ram College, University of Delhi held on January 15-16, 2016
- \* Poster presentation and abstract publication entitled ***Edible Oil Consumption Trends And Associated Health Implications and Kidney: From A Victim To Ally, A Paradigm Shift In T2dm Management*** in National Symposium on “Lifestyle Disorders Understanding the Molecular Mechanisms” held at Shivaji College on January 28-29, 2016
- \* Poster presentation and abstract publication entitled ***Syndrome X in context with some adversarial dietary practices in India*** in National Symposium on “Man Made Diseases: An Urban Menace” held at Maitreyi College, University of Delhi, on February 11-12, 2016



She published the following paper/book chapter:

- \* A research paper titled *Left Ventricular Assist Device: A breakthrough in the management of end stage heart failure* presented at International Conference on “Public Health: Issues, challenges, opportunities, prevention, awareness (Public Health: 2016)” held at Daulat Ram College, University of Delhi, on 15th and 16th January, 2016 was published in International Journal of Biotechnology and Biomedical Sciences, Vol. 2, No.1, January-June 2016, pp.22-26, p-ISSN 2454-4582, e-ISSN 2454-7808
- \* A book chapter titled *Pangolin: A Unique Mammal with Scales* in the book Wildlife Management: Concept, Analysis and Conservation. Daya Publishing House, 2015

**Ms. Nimita Kant** attended the following programmes:

- \* A Refresher Course in Life Sciences organized by UGC-ASC, CPDHE, ILL, University of Delhi held from Dec. 9 - 30, 2015
- \* A National Conference on “Trends in Research and Innovations in Life Sciences” at Undergraduate level at Deen Dayal Upadhyay College, University of Delhi on March 30, 2016

She serves as:

- \* a **SC/ST cell Convenor** w.e.f. March 2016
- \* a **Liaison officer SC/ST** w.e.f 29.08.2011 till date
- \* the current **Convener of the Garden Committee**, Shivaji College

**Mr. Manish Kumar Sachdeva** attended a workshop on “Cell Culture and Cytotoxic Assay” organized at Amity University from October 14-16, 2015.

**Dr. Aeshna Nigam** was awarded ‘The Best Speaker Award for Oral Presentation’ for her paper *Heavy metal contamination in vegetables: Source of Nutrition or Health Hazard?* at the International Conference on “Public Health: Issues, Challenges and Opportunities, Prevention, Awareness (Public Health, 2016)” organized by Daulat Ram College, University of Delhi on January 15-16, 2016.

She also:

- \* participated and presented a paper in National Conference on “Environmental Concerns of 21st Century: Indian and Global Context” held at Zakir Husain Delhi College (Evening) on March 21-22, 2016
- \* participated in National Symposium on “Lifestyle Disorders (NSLD): Understanding the Molecular Mechanism” held in Shivaji College, University of Delhi on January 28, 2016
- \* participated in International Conference on “Public Health: Issues, Challenges and Opportunities, Prevention, Awareness (Public Health, 2016)” organized by Daulat Ram College, University of Delhi on January 15-16, 2016
- \* attended a one-day workshop on “Biochemistry Of Metabolic Processes” on February 2, 2015 in Kirori Mal College, University of Delhi.

She co-published the following papers:

- \* ***Heavy metal contamination in vegetables: Source of Nutrition or Health Hazard?*** In Journal of Basic and Applied Engineering Research, 2016, Vol. 3(1), pp. 60-65, ISSN-2350-0077
- \* ***Thermus parvatiensis RLT sp. nov., Isolated from a Hot Water Spring, Located Atop the Himalayan Ranges at Manikaran, India*** in Indian Journal of Microbiol, 2015, Vol. 55(4), pp. 357-365, ISSN-0973-7715

Her co-authored paper ***Toxic Effects Of Heavy Metals On Reproductive Health Of Women*** is yet to be published in the 2016 Proceedings of National Conference on “Environmental Concerns of 21st Century: Indian and Global Context”.

She published ***The Mutability and Repair of DNA*** as an e-lesson for MHRD project, National Mission on Education Information Communication Technology, India in 2015.

She also co-published the following book chapters:

- \* ***Running out of Time: The decline of Great Indian Bustard.*** Daya Publishing House, 2015
- \* ***The evolving face of Women in Indian Advertisement*** in Sansrishti-Creator of Good

Things, 2015, published by Prithavi Prakashan, pp. 44-52, ISBN-81-8645-38

- \* *XX vs XY: The Richer Sex* in Sansrishti-Creator of Good Things, 2015, published by Prithavi Prakashan, pp. 62-65, ISBN-81-8645-38-D

**Dr. Parul Kulshreshtra** attended the following programmes:

- \* A workshop on “Biorisk management of *Bacillus anthracis*” organized by American Society of Microbiology on Oct. 26, 2015
- \* An International conference “Bacillus ACT 2015” organised by American Society of Microbiology from Oct. 27-30, 2015
- \* The 18th International Conference on “Molecular Biology, Biochemistry and Biotechnology” organized by Waset at DUBAI on Jan 28-29, 2016
- \* A National conference on “Trends in Research and Innovations in Life Sciences at Undergraduate level” at Deen Dayal Upadhyay College, University of Delhi on March 30

She served as one of the organizers for National Seminar on “Water and air quality of urban ecosystem” on March 22, 2016, organised by Eco Club of Shivaji College on the occasion of world water day.

She received the following awards:

- \* Travel grant and full sponsorship to attend Bacillus ACT 2015 by American Society of Microbiology to present a poster entitled *Investigation of a panel of monoclonal antibodies and polyclonal sera against anthrax toxins resulted in identification of an anti-lethal factor antibody with disease-enhancing characteristics* on Oct. 30, 2015
- \* International Travel Support by Dept. Of Science and Technology under the Young Scientist Category to give an oral presentation entitled *Capability of a Single Antigen to Induce Both Protective and Disease Enhancing Antibody: An Obstacle in the Creation of Vaccines and Passive Immunotherapies* on Jan. 28, 2016

She co-published a paper titled *Investigation Of A Panel Of Monoclonal Antibodies And Polyclonal Sera Against Anthrax Toxins Resulted In Identification Of An Anti-Lethal Factor Antibody With Disease-Enhancing Characteristics* in *Molecular Immunology*, Dec. 2015, Vol.

68 (2), Part A, pp. 185-193, Impact Factor: 3 .

**Dr. Jitendra Kumar Chaudhary** won the ‘Second Best Poster Prize’ for presentation entitled *Regenerative potential of bone marrow and bone marrow-derived mesenchymal stem cells in a radiation-induced bone marrow-damage animal model* during the International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016)” held at Daulat Ram College, University of Delhi, New Delhi, India, on January 15-16, 2016, ISBN 978-93-85822-11-7.

He published the followings:

- \* *Harnessing stem cell potential for regenerative medicine and cell-based therapy* in Journal of Studies in Dynamics and Change (JSDC), Vol. 2, Issue 1, pp. 339-343, January 2015, ISSN 2348-7038
- \* *Critical analysis of multidimensional health and non-health issues and challenges faced by women in India: putting the best foot forward* in the Proceedings of the International Conference on “Public Health: Issues, challenges, opportunities, prevention, awareness (Public Health: 2016)”, Vol. 2, pp. 191-195, January 2016, ISBN 978-93-85822-10-0
- \* *Regenerative potential of bone marrow and bone marrow-derived mesenchymal stem cells in a radiation-induced bone marrow-damage animal model* in International Conference on “Public Health: Issues, challenges, opportunities, prevention, awareness (Public Health: 2016)” held at Daulat Ram College, University of Delhi, New Delhi, India, on January 15-16, 2016 (Poster presentation; International conference), ISBN:978-93-85822-11-7

He also co-published a paper titled *Stem Cells: Spatio-temporal Diversity and Therapeutic Applications* in the International Journal of Life Sciences, March 2016.

**Dr. Ankita Dua** attended the following Workshops/seminars/conferences:

- \* The 56th Annual Conference of Association of Microbiologists of India (AMI) held at JNU, Delhi, India from December 7-10, 2015
- \* International Conference on “Public Health: Issues, Challenges and Opportunities, Prevention, Awareness (Public Health, 2016)” organised by Daulat Ram College, University of Delhi on January 15-16, 2016
- \* A One-Day Workshop on “Biochemistry Of Metabolic Processes” on February 2, 2015 in Kirori Mal College, University of Delhi

She also co-presented the following posters:

- \* ***Burden of Type II Diabetes: A Lifestyle Disorder*** in the National Symposium on “Lifestyle Disorders: Understanding the molecular Mechanisms” held at Shivaji College from January 28-29, 2016
- \* ***Type II diabetes: Catalyzed by bad lifestyle choices*** in the National Symposium on “Man Made Diseases: An Urban Menace” held at Maitreyi College from February 11-12, 2016

She co-published the following papers:

- \* ***Lifestyle Disorders: A Case Study of Quetlet’s Index and WHR in Undergraduate Students*** in the Proceedings of International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness”, pp. 232-236, 2016, ISBN-978-93-85822-10-0
- \* ***Irregularities of the Ovarian Cycle in Young Females: Etiology, Awareness and Management*** in International Journal of Biotechnology and Biomedical Sciences, 2016, Vol. 2(1), pp. 57-59, p-ISSN-2454-4582
- \* ***Microbial and genetic ecology of tropical Vertisols under intensive chemical farming*** in Environ. Monit. Assess, 2015, 187:4081, ISSN 0167-6369

She co-published the following book chapters:

- \* ***Running Out of Time: The Decline of Great Indian Bustard*** in Wild life Management:

Concept, analysis and management, 2015, pp. 247-257

- \* *XX vs XY: The richer sex?* in Sansrishti: Creator of good things, 2015, pp. 62-65, published by Prithavi Prakashan, ISBN-81-8645-38-D

**Dr. Rashmi Singh** co-authored the following research papers:

- \* *Genotoxic Effects of Cadmium on Polytene Chromosomes of Sarcophaga ruficornis (FAB.) (Sarcophagidae: Diptera)* in International Journal of Development of Research (IJDR), Vol. 5, Issue 09, pp. 5458-5462, September 2015, e-ISSN 2230-9926
- \* *Induction of a Puffing by Chromium Nitrate Treatment in Polytene Chromosomes of Pupal Foot Pad of Sarcophaga ruficornis (FAB.) (Sarcophagidae: Diptera)* in Journal of Basic Sciences, 2015, Vol. 2(1), pp. 1-5, e-ISSN 2554-1331

She won the ‘Second Best Poster Award’ for *Genotoxic effect of lead nitrate on polytene chromosomes and nucleolus of Sarcophaga ruficornis (Fab.) (Sarcophagidae: Diptera)* organized by Eco Club Shivaji College under National seminar on “Water and Air Quality in Urban Ecosystem” on March 22, 2016.

She attended a National Conference on “Trends in Research and Innovations in Life Sciences at Undergraduate level” at Deen Dayal Upadhyay College, University of Delhi on March 30, 2016.

**Mr. Anil Kumar Meena** co-published the following papers:

- \* *Study of Paternal care in a multi-male Bisexual troop of Hanuman langur (Semnopithecus entellus) in and around Jodhpur* in Journal of Global Biosciences, Vol.4, No. 9, 2015, pp. 3384-3390, ISSN-2320-1355
- \* *Recent case of Resident male replacement followed by infanticide in uni-male bisexual troop of hanuman langur (Semnopithecus entellus) in Jodhpur* in Journal of Global Biosciences, Vol.4, No. 9, 2015, pp. 3373-3378, ISSN 2320-1355

**ANTI-RAGGING COMMITTEE**

The committee was vigilant throughout the year and no incident of ragging was reported. The committee members took regular rounds of the college campus. An anti-ragging complaint box was also installed on the premises and was checked on a weekly basis.

## **BUILDING COMMITTEE**

(Not submitted yet)

## **CANTEEN COMMITTEE**

The committee installed *kiosks* by *Hindustan Unilever Ltd. (HUL)* and *Mother Dairy* respectively for the students. The services of the new contractor were engaged to provide wholesome and hygienic food at subsidized rates.

## **CULTURAL COMMITTEE**

The Cultural Committee organized the following events during the academic year 2015-2016:

*Orientation Day* was organized on July 20, 2015, the first day of the academic session 2015-2016. It was open for students admitted to the first year and their parents. Information regarding departments, societies and other activities undertaken by the college, was detailed out to the students. It was followed by performances by the theatre society Vayam and the dance society Footloose.

A *Cultural Orientation* was organized for students on July 24, 2015 wherein all interested students auditioned for various cultural societies.

*Shivaji Bhosle Parliamentary Debate Competition* was organized by Dictum, the debating

society of the college, on October 12-13, 2015. The event witnessed immense participation from several colleges across Delhi. The photography & film-making society Shutterbugs organized **CINEDROME**, an event that included several activities like photography exhibition, competition as well as film-making competition. The event was held on November 2, 2015 and witnessed participation from film-making societies of top colleges across University of Delhi.

**Virasat 2015**, a cultural event in collaboration with **Spic Macay** was organized on November 5-6, 2015. Featuring **Flute recital** by **Pt. Ajay Prasanna** and **Odissi dance performance** by renowned artist **Padmashri Ranjana Gauhar**.

**Vibrations**, the annual cultural festival was organized on February 3-4, 2016. It witnessed the inaugural performance by **Odissi dancer Kavita Dwibedi**, multi-genre **Hindi band Astitva** on first day, performance by **Jugni Band** during Swaranjali music festival and the scintillating performance by contemporary **Bollywood singer Armaan Malik** on the star night. Various competitive events like dance competition, music festival, nukkad naatak, fashion show etc. registered huge participation from colleges and other educational institutions across Delhi. The committee organized **Radio Mirchi Freshers Talent Hunt** on February 15, 2016. The four winners of the event will now further compete in the Freshers Talent Hunt by Radio Mirchi.

Apart from putting together the aforementioned events, the committee remained closely involved with all the student's cultural societies by providing them assistance in effectively managing and improving the quality of their work. As a result, all the societies performed extremely well in various competitive events held in other colleges of University of Delhi and various educational institutions across Delhi. **Vayam (Theatre Society), Footloose Society (Dance Society), and Reverb (Music Society) won many accolades for their performances.**

## **ECO CLUB**

Eco-Club organized various environmental awareness programmes and projects throughout the



year. ***Sparrow Conservation Project*** aimed at conserving the population of House sparrow *Passer Domesticus*, a state bird of Delhi. ***Nests*** in different parts of college premises ***were installed*** in August 2015.

***Vermi-Composting Unit*** engaged in making vermicompost from organic waste. It produces excellent quality of compost which is ***distributed free of cost*** among teaching and non-teaching staff.

***Paper Recycling Unit*** manages and collects waste paper generated from college and converts it into recycled paper for reuse in laboratories. On September 7th 2015, a ***“Pledge to Plant, Adopt & Protect a Tree Campaign”*** was organized in which Poster Making and Slogan Writing competitions were organized for the students of different courses. Apart from this, a signature campaign was launched for college teaching and non-teaching staff. The committee also runs a ***wall magazine*** for spreading environmental awareness among college students.

On Diwali festival, students were urged to ***“Say No to Fire Crackers”***.

A field excursion to ***Yamuna Biodiversity Park***, New Delhi, was organized to celebrate World Wetland Day on 2nd February 2016.

Eco Club observed World Water Day on 22nd March 2016 by organizing a ***National Seminar on “Water and Air Quality in Urban Ecosystem”***. The Seminar was inaugurated by the Keynote address of Shri C.R Babu, Professor Emeritus, University of Delhi. Shri A.K. Gosain, Professor, IIT, Dr. Rita Kumar, Scientist Emeritus, IGIB, Delhi, Shri B. Sengupta, Former Member Secretary, Central Pollution Control Board (CPCB), Delhi, Shri. G. V. Subrahmanyam Scientist G (Rtd.) MoEFCC, Delhi, Shri. Balakrishnan Menon, Professor, V. P Chest Institute, University of Delhi were the eminent speakers at this seminar.

### **EQUAL OPPURTUNITY CELL**

The college has an Equal opportunity cell for differently abled students. This year an ***Inter-College Sports Event*** were organized by the Enabling unit on 9th Feb., 2016. ***39 students*** participated in sports activities like chess, 50-meter race etc in different categories. Each student

was *provided with sports equipment* such as t-shirt, chess board etc. Prizes along with certificates were awarded. *Ms. Deepa Malik (Arjuna awardee)* was the *Guest of Honor* for this event.

## **FEE CONCESSION COMMITTEE**

The Fee Concession Committee of Shivaji College invited applications from students seeking fee concessions. This was followed by a face-to-face interaction of the students with members of the committee. On the basis of the interview, *294 students were recommended for grant* of fee concession. The amount of concession varied from *Rs. 2000 to Rs. 4000* and the total amount disbursed is *Rs. 782,000*. The committee sought and obtained permission from the Governing Body of the college to enhance the money available for extending financial help to needy students. This was done by creating a fund into which members of the teaching and non-teaching staff could voluntarily deposit any amount of money. *An approximate sum of Rs. 50,000 has been raised under this head so far.*

## **GARDEN COMMITTEE**

The committee ensures a green campus round the year. In the college garden there are almost *180 varieties* of shrubs and trees like *Neem, Semal, Mango, Kadamba, Ashoka* trees which form green canopy throughout the year. A separate Rose garden with a variety of roses adds to the college's beauty.

Seasonal plants such as Petunia, Phlox, Calendula, Salvia, Candytuft, Cineraria provide a riot of colours during the spring season. The garden successfully manages a beautiful *Herbal Garden* which houses a large number of seasonal medicinal plants like Lavender, Haldi, Elaichi, Gritkumari, Peppermint, Tulsi, Lemon grass, Kalmegh, Brahmi, Sadabahar, Kalanchoe, Giloy etc. The Garden Committee organised a plantation day (*Vanmahotsav*) on Teachers' Day by planting saplings of Ficus sp. along the boundary wall. All students, teachers and non-teaching

staff actively planted and “adopted” one plant each.

## **INTERNAL ASSESSMENT COMMITTEE**

The committee has worked throughout the year to simplify the process of internal assessment for students. The Internal Assessment Software on the college’s website has been updated keeping in view various modifications and demands.

*Provision of sending messages (SMS)* related to important information regarding internal assessment *in bulk* to all the students was put in place to ensure a better communication between the college and the students. Students can access their assessment details throughout the year. A separate link for internal assessment has been provided for the same, on the college website, for which *no password is required*. Students as well as guardians can access this information merely by entering the student’s roll number.

## **LIBRARY COMMITTEE**

*2710 books* were added to the existing collection in the current academic year. A number of steps were taken to improve the physical space of the library as well as its services. These include the following:

- \* Books in the library were made more accessible to the readers. This was done by re-arranging the collection and completing the data-entry of all the books. The stock verification of the library books was initiated and is expected to get completed by the end of April.
- \* *Eight thousand books were weeded out* from the library to create space for new books.
- \* Steps are being taken to implement the *RFID technology* in the library to keep pace both with the changing times and rapidly advancing technological innovations.

- \* The Library Committee organized a two- day **Book Fair** on 7th and 8th January in the present academic session. Forty- six publishers and book- sellers displayed their collection of books. The Book- Fair was inaugurated by Mr. Pankaj Pachauri, Senior Journalist and Director, Jaypee Business School, who also enthused the students with his words.

## NCC

A **Yoga Training Programme** was organized in the College premises from 13 April 2015 to 20 April 2015. **International Yoga Day** was celebrated on 21st June 2015 in the college and cadets also participated on this day at Rajpath.

**Independence Day** on 15th August 2015 was celebrated with **Flag Hoisting Ceremony** in the college. Cadets visited '**Shauryanjali**' exhibition on 24th September 2015 which was held at Rajpath.

Annual NCC fest **Lakshya** was organized on 11th Feb 2016. Brig. Narender Dabas was the Chief Guest. Drill competition, Quarter Guard competition, Rangoli competition, Cultural competition, Best Cadet competitions etc. were conducted during the fest. More than 400 cadets from various college participated in this festival.

### **Achievements (NCC Girls Wing):**

**Cadets won 1st prize** in point to point **March Past Competition** held in all **India Trekking Camp at Shimla (National Level Camp)**.

JUO Parul Kadian attended **RDC (National Level camp)** and participated in the march past held at **Rajpath on 26th January 2016**. JUO Parul Kadian and Cadet Pratibha participated in **Thal Sainik camp (National level camp)** held at Delhi Cantt. Cadet Priya was selected for Para Slithering and performed in **PM Rally** conducted on **Republic Day 2016**. Cadets of NCC Girls wing participated in **Republic Day Camp, Thal Sainik Camp, Combined Annual Training Camp, Para Sailing Camp, Para Slithering Camp, All India Adventure Trekking camp,**

*Advanced Leadership camp* and other activities held in college.

**Achievements (Boys Division):**

JUO Hanish Kathuria, JUO Shishir Kumar Jha and JUO Jatin Sharma **got commissioned** in **Indian Army as Lieutenant**. During 2015-16, a total of 95 NCC cadets attended various camps. SGT Anuj Chauhan and SGT Gopal Shamra attended **Republic day camp (RDC)** from January 1st 2016 to February 31, 2016 at DGNCC Garrison parade Ground, Delhi Cantt.

CDT Keshav Dubey and CDT Vishal Dagar attended Thal Sainik Camp (TSC) from 18- 29 September 2015 at DGNCC Garrison parade Ground, Delhi Cantt.

Cadets attended camps organized across various states like New Delhi, Jammu & Kashmir, Dehradun, Punjab, Tamil Nadu, Uttrakhand, Meerut and Kerala.

**Cadet Munish Kumar secured 1<sup>st</sup>** and **Cadet Pradeep secured 2<sup>nd</sup>** position in Quiz Competition at CATC camp (Kerala). Cadet Govind secured 2<sup>nd</sup> position in Debate Competition. Shivaji College team **got 2<sup>nd</sup> position** in **Kit Layout Competition** and **1<sup>st</sup> position** in **Drill Competition**.

Cadet Munish Kumar, Pradeep, Gourav and Mukesh **secured 1<sup>st</sup> position in 400 metres relay race**. SUO Dheeraj and Cadets Mukesh, Ashok and Manoj secured 1<sup>st</sup> position in **Quarter Guard Competition**.

29 cadets appeared for B Certificate and 22 Cadets appeared for C Certificate Examination in feb, 2016.

## **PLACEMENT CELL**

Placement **registration process was renewed**. Students can now register for placements **through a link on the college website**. It also has a **page on Facebook** through which the students are

provided information regarding sessions organized by the Placement Cell. The student coordinators, namely Ms. Pooja Mehra, Ms. Pooja Sharma, Ms. Ridhima Gupta, Mr. Jayant Sharma played an appreciable role in developing and running this link.

A number of activities were organized for the students and a number of companies were invited for holding the placement drives. A number of placement drives were organized on the following dates:

- \* 22nd September, 2015: **EY**
- \* 21st January, 2016: **Genpact**
- \* 2nd November, 2015: **Concentrix**
- \* 22nd February, 2016: **Gandhi Fellowship (An NGO)**
- \* 5th March, 2016: **S& P Capital IQ**

**Stockmind 4** was organized on 16th February, 2016 in association with the *Department of Business Economics and ICICI online*.

A *seminar was organized* in association with *Ansal University* on the 15th March, 2016 giving students an insight into the career prospects after graduation. The students were provided an opportunity to connect to the job fare organized by the Delhi College of Arts and Commerce, University of Delhi.

The students also got a number of opportunities through the *Central Placement Cell of the University of Delhi* and participated in sessions organized by various prominent companies such as:

<u>Company</u>	<u>Session</u>
British Telecom India Pvt. Ltd, VISTARA (TATA SIA Airlines Limited)	October 2015

Mahindra Comviva	October 2015
WIPRO- WISTA (Wipro Software Technology Academy)	November 2015
British Telecom India Pvt. Ltd.	November 2015
United Health Group, Azim Premji Foundation, Teachersity	January 2016
The Heritage Schools, Tech Mahindra	January 2016
Infosys, Amazon	January 2016
Capacity enhancement session: NSE Motivational Talk	January 2016
ABP News	February 2016
Mazars India, Navig8India	February 2016
Mind Shapers, SRF	February 2016
British Telecom India Pvt. Ltd. IITIIM Shaadi.com	March 2016

## **STUDENT ADVISORY COMMITTEE**

The Student Advisory Committee conducted *Students' Union Elections* on 12 September 2015 for the session 2015-16 through enthusiastic and peaceful voting.

The committee organized a talk on '*Adolescent Health*' on 28 September 2016 in the college auditorium. *Dr Mridula Kulshreshtha*, fellow at *Indian Association of Gastrointestinal Endo Surgeons*, and *Senior Surgical Consultant* at J. S. Hospital, Noida, engaged the students with a

highly informative lecture where she spoke of health issues that are of immediate relevance to them.

A workshop on '*Cyber Security*' was organized in association with *All India Women's Education Association (AIWEA)* on 9th October 2015 in the college. The speaker broached crucial issues about security of self and information in the cyber world.

The Student Advisory Committee also organized a freshers' party, '*Aaghaz 2015*' on 29 October 2015 for students of the first semester.

The Student Advisory Committee and the Students' Union participated actively to make '*Vibrations*', the annual cultural festival of Shivaji College held on 3rd and 4th February 2016, organized by the cultural committee of the college successful.

### **SCIENCE SETU PROGRAMME**

As a part of its extension activities *the college collaborated with National Institute of Immunology* to bridge the gap between undergraduate education and cutting edge research and technology under the auspices of *Science Setu Programme* on 30th December, 2016. The teaching faculty attended a talk delivered by *Nobel laureate, Dr. Gerald P Schatten* on "*Can Regenerative Medicine involving Stem Cells conquer Diseases and Ageing?*" and interacted with him at NI campus on 14th January, 2016.

During a *workshop on DNA fingerprinting* (on 22nd January), the students participated in a paper writing competition on "*Stem cell science and applications: Hype and reality*" and a poster presentation on "*DNA Fingerprinting*" at intra college as well as inter-college competition at Hindu College.

A lecture was delivered by *Dr Natesh, Advisor, NII* on 8th February 2016 on "*Plants that changed the course of History*".

### **WEB COMMITTEE**

During the academic year 2015-16, the web-site committee took up the task of redesigning the college website. It *included new features like event calendar, separate notice boards for staff*



*and students and departmental gallery.*

The website provided insights into college administration, facilities, research initiatives, scholarships and activities. *Commonly used forms for students and staff were made available for downloading. Quick links to previous years question papers and e-resources* were added, to assist students in learning process. *Feedback mechanism from students, parents and alumnae was also added.*

Further, *online fee submission module was added to the college website to assist students and parents during admission process.*

## **WOMEN'S DEVELOPMENT CELL and NSS**

The *NSS and WDC unit of Shivaji College worked in close tandem* in the academic year 2015-16. This was done keeping in mind the fact that both the committees geared towards working for the betterment of the students in varied ways.

A group of teachers and students visited *Gurgaon Gramin Mahila Mandal* in Gurgaon for spreading *health awareness amongst the female population*. Blood and sugar tests along with *bone densitometry* was done for the female population of the village.

A *Plantation Drive* was organized in the college campus to work for social and environmental good. A *Blood Donation Camp* was organized in the college premises. A *Personality Development* workshop was organized, keeping in mind the specific challenges of the students.

Selected students were sent to *AIIMS* for attending a workshop *Mansik Rog: Pahchaan aur Ilaaj (Mental Disorder: Identification and Treatment)*. A *Self-Defense workshop* was organized by the committee for the female students which was conducted by the Delhi Police for a duration of one month.

An *Awareness Campaign* was organized to spread awareness regarding wearing helmet during driving motorcycles.

*Khadi Diwas* was organized to take up the cause of reviving handicrafts in Indian Society. A lecture followed by a discussion was organized on the same day on "*Relevance of Gandhi*

*Toady*". Faculty members were sent to interact with administrators in a **Delhi Police workshop**, where the Commissioner of Police interacted with women NGOs/Help groups.

**Soft Skills Program** was organized for spreading the awareness amongst students. A **Cancer Awareness Program** was organized, so that many misconceptions regarding the disease could be questioned and negated.

An **Essay Competition** on "**Shivaji: A Role Model**" was also organized on **Shivaji Jayanti**, for the students.

**National Seminar on "Woman, Crime and Law: Protection or Assertion?"** was organized on **31st March 2016**, during which **Jijabai Awards** were given to five achievers who have worked towards the cause and development of society at the grass root level. A **panel discussion on "Woman, Crime and Law: Is it about Protection or Assertion?"** was organized as part of the event.

**Stalls were set-up by Tihar jail authorities as well as an NGO** working for under privileged women.

