

ANNUAL REPORT 2017

Acharya Narendra Dev College



25
YEARS OF EXCELLENCE

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1. INTRODUCTION

Last year, Acharya Narendra Dev College completed 25 years of its existence. In a relatively short period, the College has established itself as a centre of excellence in undergraduate education and research. Our commitment for the overall development of students fetched us 'A' grade by NAAC with a score of 3.31.

In the last few years, the College has been praised for being amongst the top Science Colleges in the country, being recognized as a research hub at the undergraduate level, a centre for entrepreneurship development among students, the award for Best Practices at *Antardhvani* – three years in a row and several such accolades. The faculty and students of the College have always continued their efforts to excel and evolve.

The Silver Jubilee celebrations – *Rajatotsav* – continued through the year. In the last academic session, we inaugurated the celebrations with the Acharya Narendra Deva Memorial Lecture. The year-long celebrations showcased various events including laboratory workshops for school teachers and a 3-day exhibition (*Darpan*) displaying the various facets of the College. In this academic session, we organized the Innovation Conclave wherein undergraduate students from various colleges exhibited their research work through poster presentations. Awards were given to the best paper presentations. The highlight of the culmination of *Rajatotsav* was the Inter-college Para Athletics Meet jointly organized by the Equal Opportunity Cell and the Sports Committee of the College which saw inclusive participation.

The College applied to the Department of Biotechnology (DBT), Govt. of India for recognition under the Star College Scheme and seven Science departments were recognised as Star Departments thus making the College a part of an elite group of Star Colleges in the country. Under the scheme, each department is entitled to a one-time grant of Rs. Five lakhs and a recurring grant of Rs. Two lakhs per annum for the next three years, to enhance infrastructure and to promote interdisciplinary activities.

The College has also been awarded an Incubation Centre by the Department of Training and Technical Education, Govt. of NCT of Delhi. The centre has been given a grant of Rs. 1.5 crores per year and the project is sustainable for three years.

To bridge the gap between classroom Science teaching and research, a Science *Setu* programme was initiated in collaboration with Translational Health Science

and Technology Institute (THSTI). Under this programme, scientists from THSTI will actively involve themselves in sharing their research interests with undergraduate students. Nine scientists from THSTI have visited the College and exposed the students to frontier areas of research using some cutting-edge technologies.

The College faculty and students have a long list of accomplishments and a few of them are:

- Dr. Ravi Toteja has been awarded the Meritorious Teacher Award by the Government of NCT of Delhi.
- Dr. Gagan Dhawan was awarded the Raman Fellowship by the UGC for pursuing postdoctoral research at the University of Massachusetts, Boston.
- Two Innovation Projects were recognized as “Most Promising Innovation” under the Life Sciences and Physical Sciences categories and one has been awarded the best poster prize.
- Four of our students bagged top positions in the university examinations at the University level and ten at the South Campus level.
- Four of our students received Rs. 10,000/- each under “Topper Meritorious Students of Academic Session 2015-16” by the Directorate of Higher Education, Govt. of NCT of Delhi.

Other achievements in curricular, research and co-curricular activities are listed in the later parts of this report.

2. RESEARCH

Acharya Narendra Dev College believes in preparing interested students for a career in Science. Hence, research at the UG level is promoted by the College through various schemes.

2.1. Research Initiatives at the UG Level

2.1.1. ELITE – ‘Education in a Lively Innovative Training Environment’ Summer Fellowship:

During the summer of 2016, 94 students of the College undertook projects of two-month duration under this scheme. Each student earned a fellowship of Rs. 1000/- p.m.

S. No.	Title of the Project	Mentor/s	Students
1	Study of diversity of bees during the summer months in Delhi	Dr. Charu K Gupta and Dr. Arijit Chowdhuri	Jabili Chowdhari and Keshav Rathor B. Sc. (H) Biomedical Science, III Year Rupashi and Priyanka B. Sc. (H) Biomedical Science, I Year
2	Synthesis and characterization of zinc sulfide, lead sulfide and copper sulfide nanoparticles by chemical precipitation method	Dr. Seema Gupta and Dr. Gagan Dhawan	Jayati Khanna B. Sc. (H) Biomedical Science, I Year
3	Preparation of bioactive styryl coumarins for the study of its fluorescent property	Dr. Sunita Hooda and Dr. Geetu Gambhir	Devendra Sharma and Simran Aggarwal B. Sc. (H) Chemistry, I Year
4	Comparative pharmacokinetic analysis of commercial analgesics using bioinformatics approach	Dr. Archana Pandey and Dr. Satendra Singh	Abhishek Kumar B. Sc. (H) Biomedical Science, III Year

S. No.	Title of the Project	Mentor/s	Students
5	Study of SNP of duffy antigen using publicly available web-based bioinformatics resources	Dr. Gagan Dhawan	Kajal Kumari B. Sc. (H) Biomedical Science, I Year
6	The parents' outlook-experiences and problems faced by parents while caring for their disabled child	Dr. Archana Pandey and Dr. Abhishek Mehta	Shrutika Jha B. Sc. (H) Biomedical Science, I Year
7	Study interaction of <i>P. vivax</i> duffy binding protein with duffy antigen on RBC surface by bioinformatics tools	Dr. Gagan Dhawan	Shailya Verma B. Sc. (H) Biomedical Science, I Year
8	e-STUDENT - Website for student resources	Dr. Sunita Narang	Priya Singh, Gaurav Jain, Deepanshu, Tejveer, Sagar B. Sc. Physical Sciences, II Year
9	Environment monitoring system	Dr. Anju Agrawal and Dr. Anita Kumari	Kiran, Amrita Kumari, Aman Sharma and Abhijeet B. Tech. Electronics, III Year
10	Effect of UV radiation on ciliate <i>Euplotes aediculatus</i>	Dr. Ravi Toteja and Dr. Seema Makhija	Mahima Kumari and Mukesh Kumar B. Sc. (H) Zoology, II Year Hritik Kadian B. Sc. (H) Zoology, I Year
11	Online recommender system	Dr. Harita Ahuja	Aman Taneja, Gauresh Bhati, Karan Rakheja, Kishan Haldar, Monika Mittal and Prashank Jauhari B. Tech. Computer Science, III Year
12	Thermoelectric generator (TEG)	Dr. Anju Agrawal and Dr. Anita Kumari	Rachit Agrawal, Anand Kumar Pandey, Deepak Sharma and Maneesh Kumar B. Sc. (H) Electronics, I Year

S. No.	Title of the Project	Mentor/s	Students
13	Synthesis of different transition metal sulfides nano particles by different methods on the basis of capping agents	Dr. Gagan Dhawan and Dr. Seema Gupta	Ritika Madaan B. Sc. (H) Biomedical Science, II Year
14	Synthesis of zinc sulphide and lead sulphide nano particles using EDTA and PVA as capping agents and their characterization	Dr. Gagan Dhawan and Dr. Seema Gupta	Anmol B. Sc. (H) Biomedical Science, I Year
15	Identification of TCCS (the chosen crustacean species) and study of the molecular mechanism of its haemoglobin gene expression	Dr. Sarita Kumar and Dr. Geetu Gambhir	Astha Sachdeva, Chandni Brar and Sarthak Khurana B. Sc. Life Sciences, I Year Mukul Rohila B. Sc. (H) Biomedical Science, I Year
16	Student assistant application (SAA)	Dr. Sunita Narang and Dr. Sharanjit Kaur	Shubhit Gulati, Ishank Shukla and Punchok Namgial B. Sc. (H) Computer Science, II Year
17	'Prototials' a programming tutorials application (PTA)	Dr. Sharanjit Kaur	Ekansh Tiwari B. Sc. (H) Computer Science, II Year Varad Srivastava and Siddharth Mishra B. Sc. (H) Computer Science, I Year
18	Culturing <i>Drosophila melanogaster</i>	Dr. Ravi Toteja and Dr. Seema Makhija	Ananya Mahajan, Barkha Aggarwal and Pratibha Narang B. Sc. Life Sciences, II Year
19	Identification of species by comparing the secondary structure of rRNA and ITS 2	Dr. Ravi Toteja and Dr. Seema Makhija	Divya Yadav B. Sc. (H) Zoology, I Year

S. No.	Title of the Project	Mentor/s	Students
20	A study and comparison of the quality of honey obtained from beekeepers and honey available in the market	Dr. Sarita Kumar	Manoj Kumar B. Sc. (H) Zoology, I Year
21	Synthesis and characterization of gold nanoparticles (AuNP)	Dr. Gagan Dhawan and Dr. Seema Gupta	Saurabh Yadav B. Sc. (H) Biomedical Science, II Year
22	Determination of some soft drink constituents and contamination by some heavy metals	Dr. Sunita Hooda and Dr. Geetu Gambhir	Simran Aggarwal and Harshit Shrivastava B. Sc. (H) Chemistry, I Year
23	Organic waste management	Dr. Sanjeeta Rani	Arvind Kumar and Deepak Kumar B. Sc. (H) Physics, II Year
24	To study honey bee species of Delhi and NCR region and study its ecology and behaviour	Dr. Charu K Gupta and Dr. Arijit Chowdhuri	Pritam Kashyap B. Sc. (H) Botany, I Year
25	Isolation and identification of <i>Caenorhabditis elegans</i>	Dr. Sarita Kumar and Dr. Geetu Gambhir	Jyoti Pal B. Sc. (H) Biomedical Science, III Year Shubham Rawat B. Sc. Life Sciences, I Year
26	Gut bacteria–symbiotic association with gut of <i>Eisenia fetida</i>	Dr. Sarita Kumar and Dr. Geetu Gambhir	Mayuri Mathuria B. Sc. (H) Biomedical Science, II Year Pratyaksh Singh B. Sc. (H) Botany, II Year
27	Synthesis and characterisation of CuS nanoparticle and calculation of its band gap energy	Dr. Gagan Dhawan and Dr. Seema Gupta	Nitish Kumar B. Sc. (H) Biomedical Science, II Year
28	Analytical comparison of road space rationing (odd–even rule)	Dr. Sarita Agarwal	Naina Kholi and Nisha Gupta B. Sc. (H) Mathematics, III Year

S. No.	Title of the Project	Mentor/s	Students
29	Detection and measuring chaos in non-linear dynamical systems	Dr. Sadanand Prasad and Dr. Neeti Goel	Priyanshi Saxena, Neelima Arora, Kanika Mehta and Satyavir B. Sc. (H) Mathematics, II Year
30	A study of image segmentation and arithmetic operation using ring theory and its application	Dr. Laxmi Narain, Mr. Brijendra Yadav and Dr. Hanuman Verma	Sudarsha Pal, Vikram Dangi, Vishal Kejriwal and Yash Ruhela B. Sc. (H) Mathematics, II Year
31	Investigating recent trends in modeling of deteriorating inventory	Dr. Chaman Singh, Mr. Gurudatt Rao and Mr. Narayan Singh	Shival Gulati, Subhi Sinha and Riya Bhatia B. Sc. (H) Mathematics, II Year
32	Chemical analysis of soil	Dr. Sunita Hooda and Dr. Geetu Gambhir	Harshit Shrivastava and Devendra Sharma B. Sc. (H) Chemistry, II Year
33	Virtual screening of commercial antibiotics for their comparative pharmacological properties	Dr. Archana Pandey and Dr. Satendra Singh	Naim Ahmad B. Sc. (H) Biomedical Science, III Year
34	Mannich reaction: A one-pot three-component reaction catalysed by Ruthenium (II)-chlorido-dimethyl sulfoxide, $[\text{RuCl}_2(\text{DMSO})_4]$	Dr. Vikrant Kumar	Dipin Tomar and Pavitra Shrivastav B. Sc. (H) Chemistry, II Year
35	Field visit to Agasthyamalai bio-reserve with Frogman, Professor Biju	Dr. M.S. Rajeswari	Abhishek Singh, Barkha Gupta, Bhavana Sharma and Gaurav Yadav B. Sc. (H) Botany, III Year
36	Studies on effect of UV on the sensing response of gas sensors	Dr. Arijit Chowdhuri and Dr. Charu K Gupta	Vaibhav Singh and Rohit Dubey B. Sc. (H) Electronics, II Year
37	Ambient air pollution (AAP) measurement using gas sensors- a preliminary study	Dr. Arijit Chowdhuri and Dr. Charu K Gupta	Ativir Singh, Vivek Kumar B. Sc. (H) Physics, I Year Vivek Kumar B. Sc. (H) Physics, III Year

S. No.	Title of the Project	Mentor/s	Students
38	Mapping particulate matter pollution faced by commuters in public transport in Delhi	Dr. Arijit Chowdhuri and Dr. Charu K Gupta	Priya Chopra and Jatinder Pal Singh B. Sc. (H) Physics, I Year
39	Effect of saline stress on total soluble protein, catalase and peroxidase activities in Chickpea (<i>Cicer arietinum</i>), Moong dal (<i>Vigna radiata</i>) and Mustard (<i>Brassica juncea</i>)	Dr. Rashmi Sharma	Nitika and Jyoti Sahu B. Sc. (H) Botany, II Year Monika Negi and Neetu B. Sc. Life Sciences, III Year
40	Predicting the win of a political party using game theory	Dr. Chaman Singh	Alok Kumar, Balbeer Singh, Kapil Thapaliyal and Satish Kumar Patel B. Sc. (H) Mathematics, II Year

2.1.2. Student-Projects through the Innovation & Entrepreneurship Development Centre (IEDC)

S. No.	Project Title	Students	Mentor/s
1	Development of alternative antibacterial through bacteriophage derived proteins isolated from India	Shazeb Ahmad, Rahul Kushwaha, Simran Virdi B. Sc. (H) Biomedical Science, II Year	Dr. Urmi Bajpai (Biomedical Science)
2	Extraction of microbial enzymes from kitchen waste and preparation of biological detergent	Rahul Saha (KVPY Fellow) B. Sc. (H) Biomedical Science, II Year Shiwani Katiyar and Nitish Malhotra B. Sc. (H) Biomedical Science, III Year	Dr. Gagan Dhawan (Biomedical Science) Dr. Seema Gupta and Dr. Manisha Jain (Chemistry)
3	Development of low cost disinfectant using cow urine	Vineet Kumar Pal, Manisha, Atul Kumar B. Sc. (H) Biomedical Science, III Year	Dr. Neeti Misra and Dr. Pankaj Khanna (Chemistry)

S. No.	Project Title	Students	Mentor/s
4	Multipurpose quadcopter	Ankit Pant, Avi, Shubhankar B. Tech. Computer Science, III Year Anuj Gupta, Ashutosh Gupta B. Tech. Electronics, III Year	Dr. Sona P. Kumar (Electronics) and Dr. Vibha Gaur (Computer Science)
5	Formulation of mehndi remover using natural products	Nandini Sahni, Sakshi Bhardwaj, Priyanka Dasgupta B. Sc. (H) Zoology, III Year	Dr. Sarita Kumar (Zoology)

2.2. Research Projects

2.2.1. Extramurally Funded Projects under Progress

Investigators	Title of the Project	Funding Agency	Rs. (Lakhs)
Dr. Arijit Chowdhuri (PI) Dr. Savithri Singh (Co-PI) Dr. Charu K. Gupta (Co-PI) (2015-2018)	Exposure-response assessment of ambient air pollution (AAP) and Hg contamination in affected cities of India and Slovenia: A comparative study	DST (Indo-Slovenia joint project)	16.11
Dr. Urmi Bajpai (2013 - 2016)	Mtb Mur pathway enzymes: Potential candidates for multi-target therapy	CSIR – OSDD	37.63
Mr. Sanjay Vohra (2010-2016)	Innovation and Entrepreneurship Development Centre (IEDC) – It provided funding for 5 innovative projects by students each year.	DST	27.55

2.2.2. TATA- CSIR- Open Source Drug Discovery Fellowship (TCOF)

Faculty (Department)	Project Title	Student Fellows (Fellowship)
Dr. Urmi Bajpai (Biomedical Science)	Computational identification, purification and functional analysis of proteins from Mycobacteriophages and to explore their antimycobacterial potential	Ms. Avni Sinha (Rs. 15,000/- per month)
		Ms. Yashaswee Saxena (Rs. 15,000/- per month)
		Mr. Imtiyaz Gulami (Rs. 15,000/- per month)

2.2.3. Innovation Projects Completed in 2016

We are proud of the fact that last year 11 projects were selected for support by the University under Innovation Projects Scheme. These were satisfactorily completed this year and three projects (ANDC 305, ANDC 306 and ANDC 311) were awarded as the most promising Innovation at research display in the University of Delhi convocation ceremony, 2016.

Title of the Project	Faculty (Department)	Mentors	Funds Rs. (Lakhs)
ANDC 301 Development of low-cost, robust, portable water purifier prototype with physical, chemical and biological filtration for field water disinfection and potable water generation in natural calamity afflicted zones with harsh conditions	Dr. Charu K Gupta (Botany) Dr. Sarita Kumar (Zoology)	Professor Rupam Kapoor, Department of Botany, University of Delhi	6.00
ANDC 302 Biodegradation of wastes by microbial extracellular enzymes	Dr. Monisha Khanna Kapur & Mr. Ravinder Kumar Sagar (Zoology) Dr. Sunita Hooda (Chemistry)	Professor R. C. Kuhad, Vice Chancellor, Central University of Haryana	6.50

Title of the Project	Faculty (Department)	Mentors	Funds Rs. (Lakhs)
ANDC 303 Ciliate diversity as cellular tool to assess soil quality	Dr. Ravi Toteja & Dr. Seema Makhija (Zoology) Dr. Geetu Gambhir (Chemistry)	Professor D. K. Singh, Department of Zoology, University of Delhi	6.50
ANDC 304 Development of portable electronic nose with autonomous & stand-alone operation for quantified Ambient Air Pollution (AAP) measurement wireless data transfer protocol on android enabled mobile phones	Dr. Arijit Chowdhuri (Physics) Dr. Chaman Singh & Dr. Sadanand Prasad (Mathematics)	Mr. Amit Jha, Programme Manager <i>Deutsche Gesellschaft fur Internationale (GIZ) GmbH</i>	6.00
ANDC 305 Designing a virtual chemistry lab for undergraduate students	Dr. Pankaj Khanna & Dr. Neeti Misra (Chemistry) Dr. Vibha Gaur (Computer Science)	Professor Pankaj Tyagi, Cluster Innovation Centre, University of Delhi	6.00
ANDC 306 The design, synthesis and biological evaluation of oxindole based isoxazolines towards the analog synthesis of marine natural product Flustraminol-B	Dr. Gagan Dhawan (Biomedical Science) Dr. Seema Gupta & Dr. Pooja Bhagat (Chemistry)	Dr. Kallolmay Biswas, Senior Scientist, Jubilant ChemSys Ltd., Noida	4.50
ANDC 307 Digital India: Challenges and opportunities	Dr. Sunita Narang (Computer Science) Dr. Shalu Mahajan & Dr. Surinder Kaur (Commerce)	Professor Monica Singhanian, Faculty of Management Studies, University of Delhi	3.50

Title of the Project	Faculty (Department)	Mentors	Funds Rs. (Lakhs)
ANDC 308 Analysis of the efficacy of plant sources recommended as brain tonics	Dr. Geetika Kalra & Dr. Saumya Saxena (Botany) Dr. Manisha Jain (Chemistry)	Professor S.C. Bhatla, Department of Botany, University of Delhi	4.00
ANDC 309 Leveraging big data for astronomy and health care	Dr. Mamta Bhatia & Dr. Subhash Kumar (Physics) Ms. Sunita Jetly (Biomedical Science)	Professor R. K. Agarwal, Jawaharlal Nehru University	5.00
ANDC 310 Development of an all-in-one module for real time agricultural data acquisition and processing	Dr. Roopesh Tehri (Mathematics) Dr. Harita Ahuja (Computer Science)	Mr. Sunil Piplani, Consultant Excel Technologies	5.00
ANDC 311 Development of a multi-sensor gesture controlled wheelchair system for persons with disability	Dr. Amit Garg and Mr. Vishal Dhingra (Electronics) Dr. Abhishek Kumar Mehta (Biomedical Science)	Dr. Anita Talwar, Managing Director, Gentech	5.00

2.3. Research Supervision

2.3.1. Post Doctoral Fellows/Foreign Students Pursuing Research under the Supervision of College Faculty

Supervisor (Department)	Post Doctoral Fellow	Area of Work and Date of Registration
Dr. Sarita Kumar (Zoology)	Dr. Shrankhla	UGC Post-doctoral fellow working on 'Adjustment for the larvicidal potentiality of vegetables and fruits waste against mosquito vectors. (Registered in November, 2015)

Supervisor (Department)	Post Doctoral Fellow	Area of Work and Date of Registration
Dr. Monisha Khanna Kapur (Zoology)	Ms. Pagmadulam Baldroj (Institute of General and Experimental Biology, Mongolian Academy of Sciences)	Centre sponsored RTF-DCS programme. (January 18-July 4, 2-16)

2.3.2. Ph.D. Students Enrolled under the Supervision of College Faculty

Supervisor (Department)	Ph.D. Student	Area of Work and Date of Registration
Dr. Urmi Bajpai (Biomedical Science)	Eniyan Kanadasamy	New drugs targets for <i>Mycobacterium tuberculosis</i> (Registered in December, 2011)
	Jyoti Rani	Integrative modelling of metabolic reactions with transcriptomics data in type II diabetes associated comorbidity tuberculosis (Registered in September, 2016)
Dr. Sunita Hooda (Chemistry)	Shyam Lal	Synthesis, characterization, kinetics and biological application of some metal complexes (Registered in October, 2012)
Dr. Sharanjit Kaur (Computer science)	Rakhi Saxena	Mining Large Graphs (Registered in March, 2014)
Dr. Amit Garg (Electronics)	Vishal Dhingra	Growth and characterization of Graphene oxide loaded with nano crystalline ZnO clusters for gas sensing applications (Registered in December, 2014)
	Shani Kumar	Growth and characterization of a composite system based on reduced Graphene oxide for water purification application (Registered in December, 2014)
Dr. Udaibir Singh (Electronics)	Jyoti Kashyap	Study and analysis of structures of plasmonic solar cells (Registered in December, 2014)
	Manju Rani	Theoretical investigation of plasmonic solar cells (Registered in May, 2015)

Supervisor (Department)	Ph.D. Student	Area of Work and Date of Registration
Dr. Monisha Khanna Kapur (Zoology)	Prateek Kumar	Microbial technology (Registered in January, 2016)
Dr. Sarita Kumar (Zoology)	Roopa Rani Samal	Insecticidal resistance in mosquito (Registered in January, 2016)
	Vinay Singh Dagar	Impact of neonicotinoides on different biological parameters of mosquito (Registered in September, 2016)
Dr. Seema Makhia and Dr. Ravi Toteja (Zoology)	S. Sripoorna	Ciliates as cellular tool to assess heavy metal toxicity (Registered in September, 2016)
Dr. Sadanand Prasad, Dr. Chaman Singh and Dr. Laxmi Narain (Department of Mathematics) were also recognized as Ph.D. guides by the University of Delhi this year.		

2.3.3. Ph.D. Thesis Submitted under the Supervision of College Faculty

Supervisor (Department)	Name of the Student	Thesis Title and Submission date
Dr. Monisha Khanna Kapur (Zoology)	Payal Das	Microbial extracellular enzymes: Purification, Molecular characterization and Applications on January 10, 2017.

2.3.4. External Students Trained under College Faculty

Supervisor (Department)	Candidate	Project Title
Dr. Urmi Bajpai (Biomedical Science)	Ms. Sujata Walunj from IIT, Mumbai pursuing Masters in Biotechnology for two months (May-June, 2016)	Functional characterization of LysinB purified from Mycobacteriophage SimranZ1
	Ms. Genyr Ado from IIT, Mumbai pursuing Masters in Biotechnology for two months (May-June, 2016)	Functional characterization of LysinB purified from Mycobacteriophage EniyanLRS

Supervisor (Department)	Candidate	Project Title
Dr. Urmi Bajpai (Biomedical Science)	Ms. Sohini Saha from IIT, Mumbai pursuing Masters in Biotechnology for two months (May-June, 2016)	Expression and purification of MurB enzyme from <i>Mycobacterium tuberculosis</i>
	Mr. Faisal Ahmad from Jamia Millia Islamia University, New Delhi, pursuing Masters in Biochemistry for six-month dissertation (January, 2017)	Purification and biochemical characterization of Lysin A from mycobacteriophages

3. AFFILIATE OF NATIONAL AND INTERNATIONAL ORGANISATIONS

3.1 Creative Commons (CC)

Affiliate: Dr. Savithri Singh

As an Affiliate of the Creative Commons (CC) in India, Dr. Savithri Singh was invited as an expert for a key meeting on 'Open Educational Resources: Roadmap' organised by UNESCO Head Quarters in Paris on March 30-31, 2016.

Dr. Savithri Singh participated in the Asia-Pacific Meet of Creative Commons' affiliates held in Beijing, China organized by Renmin University of China Law School from July 1-4, 2016.

Dr. Savithri Singh was invited to attend World Teacher's Day Forum and 'Expert meeting on facilitating teachers' use of OER' organized by Asia and Pacific Bureau of Education, UNESCO, Bangkok from October 5-6, 2016

3.2. University of Delhi at ANDC SPIE Student Chapter

Faculty Advisor: Dr. Amit Garg

The office bearers of the ANDC SPIE (Society of Photo-optical Instrumentation Engineers) Chapter at ANDC collaborated with SPIE Chapter Manipal and SPIE NIT Goa in organizing an International Conference 'Asia Students Photonics Conference' from December 12-14, 2016, MIT, Manipal University, Karnataka, India. Three students participated in the conference namely Prashant Bhatt, Rachit Dobhal and Ativir Pratap Singh. The students presented two papers titled 'Laser Spirograph: Integrating Optics with Mathematics' and 'Design and Construction of a Low Cost Solar Tracker'.

Sadashiv Raj Bharadwaj was awarded the Officers' Travel Grant for attending SPIE Optics + Photonics Conference held from August 28 - September 2, 2016 in San Diego, USA. He participated in the Optics Outreach Games and presented a paper titled 'Innovative Methods to Promote Optics at School Level'.

The office bearers of the Student Chapter this year are: Sadashiv Raj Bharadwaj (President), Raj Kumar (Vice President), Ayesha Rustagi (General Secretary) and Sarthak Chauhan (Treasurer). A total of 70 new members were inducted in the year 2016 - 2017.

A two day induction workshop was organized by the Chapter on February 9-10, 2017. The aim of the workshop was to familiarize the newly inducted members with the chapter activities and the working of the chapter. On the first day, hands-on activities were organized on the following chapter developed kits/experiments-

- | | |
|---------------------------|----------------------------------|
| 1. Holography | 2. Ray Optics Kit |
| 3. Wave optics Kit | 4. Study of diffraction of light |
| 5. Acoustic laser dancing | 6. Laser Spirograph |
| 7. Fiber Optics kit | |

The session was kept interactive to allow students to think beyond their curriculum boundaries to explore and investigate further in the field of optics.

On the second day, the students visited NC Jindal Public School to attend the National level CBSE Science Exhibition to gather ideas for the future outreach activities to be conducted by the chapter. The students were divided into batches of 10 each with a coordinator in each group to cover all the 400 display projects. The projects were diversified, from physics to mathematics covering a wide array of concepts. The projects attracted the intrigue of students and were a source of motivation to work in the field of science. The workshop was attended by 50 students. The convenor of the workshop was Dr. Amit Garg, Faculty Advisor along with the team of Chapter office bearers.

3.3. INNOV8: The Robotics Society

Advisor: Dr. Amit Garg

The SPIE Chapter members initiated a student run Robotics Society to impart hands-on training to the students of Acharya Narendra Dev College to gain knowledge of robotics and sensors. The workshops were conducted in a peer learning environment with hands-on tasks given at the end of each day in these workshops. A series of 5 workshops were organized, each spanning over 3 days with more than 100 students trained.

3.4. NNMCB-Delhi Node @ ANDC

Mentor: Dr. Gagan Dhawan

Dr. Gagan Dhawan continues to be a mentor in the Delhi Node of the National Network of Mathematical and Computational Biology (NNMCB) funded by Science

and Engineering Research Board, Government of India that provides hands-on training in Mathematical and Computational Biology to both undergraduate and postgraduate students by organizing national and international visitors' programmes and workshops.

This year, a workshop on Computational Methods in Drug Discovery was organized by the Special Centre for Molecular Medicine, JNU, New Delhi and National Network on Mathematical Modeling and Computational Biology (NNMCB), supported by Science and Engineering Research Board, Government of India from August 9-11, 2016.

3.5. Science *Setu* Programme @ ANDC

Coordinator: Dr. Urmil Bajpai

The Science *Setu* programme is an initiative undertaken by the Translational Health Science Technology Institute (THSTI) as a follow-up of the speech of the Hon'ble Prime Minister of the country, wherein he had called upon Indian scientists to actively involve themselves in sharing their research interests with the school and undergraduate students.

A two-day programme was organized (February 15 and February 22, 2017) in the college. About 130 students from different disciplines attended the programme each day. Talks were delivered by five scientists from the Virology group (Dr. Milan Surjit, Dr. Mohan B. Appaiahgari, Dr. Guruprasad, Dr. Arup Banerjee and Dr. Sankar Bhattacharya) and four scientists from the Bacteriology group (Dr. Amit Pandey, Dr. Krishnamohan, Dr. Ramandeep Singh and Dr. Nishith Aggrawal) under the scheme. The topics ranged from generic account on viruses and bacteria, their complexity and role in our ecosystem to the specialised ones such as vaccine development and chemotherapy in tuberculosis, viral vectors, ethical issues regarding gene therapy and the emerging technology such as CRISPR. After the talks, an exclusive session was kept for students to interact with the scientists and ask their queries.

The *Setu* provides opportunities to students to work on short-term projects at THSTI under the guidance of a scientist. For this to happen, THSTI scientists presented students with a set of scientific problems and the challenge was for students to write research proposals/solutions.

4. STUDENTS' CORNER

4.1. Students' Achievements, Scholarships and Aid

4.1.1. Merit Positions in the University of Delhi

S. No.	Name	Course	Semester	Rank in University
1.	Balbeer Singh	B. Sc. (H) Mathematics	IV	II
2.	Aayush Kumar	B. Sc. (H) Chemistry	VI	II
3.	Priyanka Dasgupta	B. Sc. (H) Zoology	VI	III
4.	Madan Khatiwada	B. Sc. (H) Biomedical Science	IV	III

4.1.2. Merit Positions in the University of Delhi South Campus (UDSC)

S. No.	Name	Course	Semester	Rank in UDSC
1.	M. Sridevi	B. Sc. Physical Sciences	II	I
2.	Aditi Sharma	B. Sc. Life Science	II	I
3.	Aayush Kumar	B. Sc. (H) Chemistry	VI	I
4.	Sajal Kumar	B. Sc. (H) Mathematics	VI	I
5.	Vivek Kumar	B. Sc. Physical Science	II	II
6.	Balbeer Singh	B. Sc. (H) Mathematics	IV	II
7.	Priyanka Dasgupta	B. Sc. (H) Zoology	VI	II
8.	Aman Anand	B. Sc. (H) Zoology	II	III
9.	Madan Khatiwada	B. Sc. (H) Biomedical Science	IV	III
10.	Saurav Kumar Jha	B. Sc. Physical Science	IV	III

4.1.3. Merit Positions in the College

S.No.	Name	Course	Semester	Rank in college
1	Anjali Juyal	B. Com. (H)	II	I
2	Rishabh Makkar	B. Com. (H)	II	II
3	Swati Gupta	B. Com. (H)	II	III
4	Shailya Verma	B. Sc. (H) Biomedical Science	II	I
5	Jayati Khanna	B. Sc. (H) Biomedical Science	II	II
6	Chahat Chadha	B. Sc. (H) Biomedical Science	II	III
7	Khush Mutha	B. Sc. (H) Botany	II	I
8	Pritam Kashyap	B. Sc. (H) Botany	II	II
9	Pratyaksh Singh	B. Sc. (H) Botany	II	III
10	Rishabh Mirchandani	B. Sc. (H) Botany	II	III
11	Simran Aggarwal	B. Sc. (H) Chemistry	II	I
12	Maneesha Chahar	B. Sc. (H) Chemistry	II	II
13	Sandeep Gupta	B. Sc. (H) Chemistry	II	III
14	Rachit Agrawal	B. Sc. (H) Electronics	II	I
15	Abhishek	B. Sc. (H) Electronics	II	II
16	Himanshu Kumar	B. Sc. (H) Electronics	II	III
17	Sameeksha Pradhan	B. Sc. (H) Mathematics	II	I
18	Mithilesh Verma	B. Sc. (H) Mathematics	II	II
19	Shivangi Sinha	B. Sc. (H) Mathematics	II	II
20	Abhishek Bisht	B. Sc. (H) Mathematics	II	III
21	Mayank Shukla	B. Sc. (H) Physics	II	I
22	Jatinder Pal Singh	B. Sc. (H) Physics	II	II
23	Tarun Yadav	B. Sc. (H) Physics	II	III
24	Aman Anand	B. Sc. (H) Zoology	II	I
25	Divya Rajpal	B. Sc. (H) Zoology	II	II
26	Harveen Kaur	B. Sc. (H) Zoology	II	III
27	Namarta Sharma	B. Sc. (H) Zoology	II	III
28	Asif Raza	B. Sc. (H) Computer Science	II	I
29	Ruman Saleem	B. Sc. (H) Computer Science	II	I
30	Shubham Sharma	B. Sc. (H) Computer Science	II	II

S.No.	Name	Course	Semester	Rank in college
31	Bhanu Pratap Singh Bhati	B. Sc. (H) Computer Science	II	III
32	M Sridevi	B. Sc. Physical Sciences	II	I
33	Vivek Kumar	B. Sc. Physical Sciences	II	II
34	Monal	B. Sc. Physical Sciences	II	III
35	Aditi Sharma	B. Sc. Life Sciences	II	I
36	Shagun Sharma	B. Sc. Life Sciences	II	II
37	Sarthak Khurana	B. Sc. Life Sciences	II	III
38	Sucheta Bist	B. Com. (H)	IV	I
39	Neeraj Kumar	B. Com. (H)	IV	II
40	Poonam Garg	B. Com. (H)	IV	III
41	Madan Khatiwada	B. Sc. (H) Biomedical Science	IV	I
42	Dinesh Sharma	B. Sc. (H) Biomedical Science	IV	II
43	Anushka Saxena	B. Sc. (H) Biomedical Science	IV	III
44	Manisha S Mann	B. Sc. (H) Botany	IV	I
45	Bhavna Sharma	B. Sc. (H) Botany	IV	II
46	Moksha Mangotra	B. Sc. (H) Botany	IV	III
47	Nisha Yadav	B. Sc. (H) Chemistry	IV	I
48	Twinkle	B. Sc. (H) Chemistry	IV	II
49	Anusha Goyal	B. Sc. (H) Chemistry	IV	III
50	Karan	B. Sc. (H) Electronics	IV	I
51	Mangesh Sharma	B. Sc. (H) Electronics	IV	II
52	Himanshu Tomar	B. Sc. (H) Electronics	IV	III
53	Balbeer Singh	B. Sc. (H) Mathematics	IV	I
54	Kanika Mehta	B. Sc. (H) Mathematics	IV	II
55	Anjisha Mohan	B. Sc. (H) Mathematics	IV	III
56	Deepak Kumar	B. Sc. (H) Physics	IV	I
57	Deepali	B. Sc. (H) Physics	IV	II
58	Gurtej Singh	B. Sc. (H) Physics	IV	III
59	Komal Mewari	B. Sc. (H) Zoology	IV	I
60	Nikita Kumari	B. Sc. (H) Zoology	IV	I

S.No.	Name	Course	Semester	Rank in college
61	Kanika Arora	B. Sc. (H) Zoology	IV	II
62	Nitin Mittal	B. Sc. (H) Zoology	IV	III
63	Ritika Singh	B. Sc. (H) Zoology	IV	III
64	Shivam Agarwal	B. Sc. (H) Computer Science	IV	I
65	Noorul Hasan	B. Sc. (H) Computer Science	IV	II
66	Subodh Kumar	B. Sc. (H) Computer Science	IV	III
67	Saurav Kumar Jha	B. Sc. Physical Sciences	IV	I
68	Sachin Raturi	B. Sc. Physical Sciences	IV	II
69	Prashant Kumar Sharma	B. Sc. Physical Sciences	IV	III
70	Harshita Pathak	B. Sc. Life Sciences	IV	I
71	Neha	B. Sc. Life Sciences	IV	II
72	Aditi Johri	B. Sc. Life Sciences	IV	III
73	Kanika Bansal	B. Com. (H)	VI	I
74	Swati Garg	B. Com. (H)	VI	I
75	Laxmi Mishra	B. Com. (H)	VI	II
76	Ankit Bansal	B. Com. (H)	VI	III
77	Nitish Malhotra	B. Sc. (H) Biomedical Science	VI	I
78	Rashi Aggarwal	B. Sc. (H) Biomedical Science	VI	II
79	Vineet Kumar Pal	B. Sc. (H) Biomedical Science	VI	III
80	Nandita N P	B. Sc. (H) Botany	VI	I
81	Pragya Yagnik	B. Sc. (H) Botany	VI	II
82	Gunjan Kunwar	B. Sc. (H) Botany	VI	III
83	Aayush Kumar	B. Sc. (H) Chemistry	VI	I
84	Jayanti Mishra	B. Sc. (H) Chemistry	VI	II
85	Santu Bairagi	B. Sc. (H) Chemistry	VI	III
86	Sajal Kumar	B. Sc. (H) Mathematics	VI	I
87	Charu Kapur	B. Sc. (H) Mathematics	VI	II
88	Mahak	B. Sc. (H) Mathematics	VI	III
89	Salil Batabyal	B. Sc. (H) Physics	VI	I
90	Manas Sharma	B. Sc. (H) Physics	VI	II
91	Shashank Kumar	B. Sc. (H) Physics	VI	III

S.No.	Name	Course	Semester	Rank in college
92	Priyanka Dasgupta	B. Sc. (H) Zoology	VI	I
93	Nandini Sahani	B. Sc. (H) Zoology	VI	II
94	Sahar Rafat Khan	B. Sc. (H) Zoology	VI	III
95	Ipshita Mishra	B. Tech. Computer Science	VI	I
96	Ankit Pant	B. Tech. Computer Science	VI	II
97	Monika	B. Tech. Computer Science	VI	III
98	Amrita Kumari	B. Tech. Electronics	VI	I
99	SakshamTyagi	B. Tech. Electronics	VI	II
100	Anuj Gupta	B. Tech. Electronics	VI	III

4.1.4. Scholarships and Awards

4.1.4.1. Student of the Year

An award of Rs. 10,000/- was instituted last year as part of the Silver Jubilee Celebrations for the Best All Round Student of the Year (to be given to a final year student who is meritorious and actively participates in various committees of the college, is active in research and wins prizes/ awards for the College). Ms. Priyanka Dasgupta of B. Sc. (H) Zoology, III Year was given the Student of the Year Award for the academic session 2015-16.

4.1.4.2. Science Meritorious Award (Faculty of Science, University of Delhi)

Name of the Student	Course	Amount (Rs.)
Sushil Kumar Singh	B. Sc. (H) Physics, I Year	3,000/-
Khush Mutha	B. Sc. (H) Botany, II Year	3,000/-
Aman Anand	B. Sc. (H) Zoology, III Year	3,000/-

4.1.4.3. Sh. Sultan Chand Endowment Scholarship

Ms. Sucheta Bisht

B. Com. (H), III Year

Rs. 3,500/-

4.1.4.4. Dr. (Ms.) Usha Aggarwal Tejaswini Scholarship

Name of the Student	Course	Amount (Rs.)
Ms. Anjali Juyal	B. Com. (H), II Year	3,600/-
Mr. Risabh Makkar and Ms. Swati Gupta	B. Com. (H), II Year	3,600/
Mr. Neeraj Kumar	B. Com. (H), II Year	3,600/

4.1.4.5. D. C. Arora Scholarship**Needy Category (Rs. 6000/- each)**

- a) Ms. Pooja Verma – B. Sc. (H) Botany, I Year
- b) Mr. Shubham Shukla – B. Sc. (H) Mathematics, III Year

Meritorious Category (Rs. 6000/-)

- a) Ms. Komal Gupta – B. Sc. (H) Physics, I Year

4.1.4.6. Pushpa Paul Memorial Scholarship

The fellowship is for two meritorious girl students with a vision for the future. Under this fellowship, Rs 15,000/- is given to the selected students.

4.1.4.7. Abhinav Halen Scholarship Fund

One of the yardsticks for measuring the growth of any educational institution is the academic and social achievements of its alumni. It is a matter of great pride for the College that Mr. Abhinav Halen, a student of the first batch of B. Sc. (H) Electronics at Acharya Narendra Dev College has donated a sum of Rs. 5,00,000/- (Rupees Five Lakh only) to set-up two annual Abhinav Halen Scholarships for needy students of the Department of Electronics (academic session 2016-17 onwards).

4.1.4.8. Krishna Toteja Memorial Scholarship

The fellowship has been instituted by a faculty member, Dr. Ravi Toteja, in the memory of his mother. One fellowship of Rs. 6,000/- (Rupees Six Thousand only) per year would be awarded to a meritorious and needy girl student of B. Sc. (H) Zoology from the academic session 2016-17.

4.1.4.9. Student Aid for Knowledge, Success, Honour and Motivation (SAKSHAM)

The college continues to offer a helping hand to needy and deserving students, in the form of financial aid through SAKSHAM. Under this scheme, Rs. 100/- is collected from students, besides monthly donations by faculty, non-teaching staff and well-wishers. After a rigorous evaluation of their needs, selected students are supported in the following categories:

1. Full fee waiver (Except Security Deposit)
2. A stipend of Rs. 800/- per month for fourteen months
3. Book-bank aid (5 books for every grantee)
4. Stationery + photocopying upto Rs. 3000/- for the academic year

This year, the following students were supported in one or more of the above categories:

S. No.	Course	Name
1	B. Sc. (H) Zoology, III Year	Komal Mewari
2	B. Sc. (H) Zoology, III Year	Sehar Usman
3	B. Sc. (H) Computer Science, III Year	Hemant Makhija
4	B. Sc. (H) Computer Science, III Year	Noorul Hasan
5	B. Sc. Physical Sciences, III Year	Priya Singh
6	B. Sc. Physical Sciences, III Year	Km. Priyansha
7	B. Sc. (H) Electronics, III Year	Prashant
8	B. Sc. (H) Electronics, III Year	Ghanshyam
9	B. Sc. (H) Mathematics, III Year	Shubham Shukla
10	B. Sc. (H) Physics, III Year	Arvind Kumar
11	B. Sc. (H) Computer Science, II Year	Rishabh Gupta
12	B. Sc. (H) Biomedical Science, II Year	Prakhar Sonik
13	B. Sc. (H) Electronics, II Year	Maneesh Kumar
14	B. Sc. (H) Electronics, II Year	Pawan Kumar
15	B. Sc. (H) Mathematics, II Year	Shivam Rai
16	B. Sc. (H) Mathematics, II Year	Deepak Kumar
17	B. Sc. (H) Physics, II Year	Shiva Srivastava
18	B. Sc. (H) Biomedical Science, I Year	Komal

S. No.	Course	Name
19	B. Sc. Physical Sciences, I Year	Ankit Kumar
20	B. Sc. Physical Sciences, I Year	Javed Akhtar
21	B. Sc. Physical Sciences, I Year	Akash
22	B. Sc. (H) Electronics, I Year	Ibrahim Usmani
23	B. Sc. (H) Electronics, I Year	Laltesh
24	B. Sc. (H) Electronics, I Year	Manish
25	B. Sc. (H) Electronics, I Year	Mohan Dubey
26	B. Sc. (H) Electronics, I Year	Vikrant
27	B. Sc. (H) Electronics, I Year	Kapil Porwal
28	B. Sc. (H) Electronics, I Year	Ranjeet Kumar Yadav
29	B. Sc. (H) Physics, I Year	Akash Gupta

4.1.4.10. Ms. Teena Gupta Memorial Scholarship

This scholarship was instituted in the year 2006-07 in the memory of Ms. Teena Gupta, an alumna of the Department of Electronics from the College and faculty in the Department of Computer Science who passed away at an early age. The fellowship is worth Rs. 6,000/- each and is awarded to needy cum deserving students of B. Sc. (H) Electronics and B. Sc. Physical Science (Computer Science). This year the following students were selected for the award:

- a) B. Sc. Physical Science (Computer Science)
 - i. Mr. Robin Singh – I Year
 - ii. Mr. Satish Oraon – I Year
 - iii. Ms. Priya Singh – III Year
- b) B. Sc. (H) Electronics
 - i. Mr. Manish – I Year
 - ii. Ms. Laltesh – I Year
 - iii. Mr. Maneesh Kumar – II Year

4.1.4.11. Award to “Topper Meritorious Students of Academic Session of 2015-16 Studying in Government funded Colleges”.

The Government of NCT of Delhi selected 15 students from amongst 12 (of the 28 Delhi Government-funded) colleges for the award. Four of our students were selected for the award, while in three colleges, two students each were selected. In 8 colleges, one student each was identified for the award.

Name	Course	Amount
Kanika Bansal	B. Com. (H), III Year	10,000/-
M. Sridevi	B. Sc. Physical Sciences, I Year	10,000/-
Balbeer Singh	B. Sc. (H), Mathematics, II Year	10,000/-
Sajal Kumar	B. Sc. (H) Mathematics, III Year	10,000/-

4.1.5. Co-curricular Activities

ANDC students are active in all spheres of college activities including research. They participate in various conferences, workshops, inter-college curricular and extra-curricular competitions etc., and bag positions at national and international platforms.

4.1.5.1. Awards Won by Students in Various Conferences /Competitions

Name of the Student, Course	Details of the Event
Ravi Dwivedi, Neelima Arora B. Sc. (H) Mathematics, III Year	Won the first prize in an inter-college Mathematics quiz held at Shaheed Bhagat Singh College, University of Delhi on March 3, 2017. Won the first prize in an inter-college Mathematics quiz held at Shivaji College, University of Delhi on January 23, 2017. Won the first prize in the inter-college Mathematics quiz held in P.G.D.A.V. College, University of Delhi on October 14, 2016.
Ravi Dwivedi B. Sc. (H) Mathematics, III Year Shivam Rai B. Sc. (H) Mathematics, II Year	Won the second prize in an inter-college Mathematics quiz held at Maitreyi College, University of Delhi on March 18, 2016.

Name of the Student, Course	Details of the Event
Ravi Dwivedi B. Sc. (H) Mathematics, III Year	<p>Madhava Mathematics Competition 2017: Topped in the Delhi region at the Madhava Mathematics competition held on January 8, 2017.</p> <p>NBHM MA/MSc Scholarship 2016: Qualified the written test for National Board of Higher Mathematics (NBHM) M.Sc. Scholarship on September 17, 2016.</p> <p>Selected for Training Programme in Mathematics (TPM) 2016: Attended Training Programme in Mathematics at National Institute of Science and Research (NISER) Bhubaneswar conducted by National Board of Higher Mathematics (NBHM) from May 23 - June 18, 2016.</p> <p>Selection was on national basis with only 44 students selected. It was a comprehensive workshop with training on Real Analysis, Linear Algebra, Abstract Algebra, Logics in Mathematics, Combinatorics, Number Theory. He got the highest grades.</p>
Harshul Bansal B. Com. (H), III Year	Invited as a delegate to attend the first Asian Ministerial Conference on Disaster Risk Reduction (AMCDRR) after the advent of the Sendai Framework which was hosted by the Government of India in association with UNISDR as a member of the stakeholders facilitation held in Delhi from November 2-5, 2016.
Vishal Sharma B. Sc. Physical Science (Computer Science), II Year	<p>Best singer award at the "National Youth Festival" held at MDU, Rohtak from January 12-16, 2017.</p> <p>Won first prize in a college fest <i>Vividha</i> organized by Lakshmibai College, University of Delhi on February 28, 2017.</p>
Dinesh Sharma B. Sc. (H) Biomedical Science, III Year	Indian National Science Academy-National Academy of Sciences, India- Indian Academy of Sciences (INSA-NASI-IAS) Fellowship 2016 for two months of amount Rs. 8,000/- per month to work on a project entitled 'Generation of liposomal recombinant antigens for vaccination against visceral Leishmaniasis'.

Name of the Student, Course	Details of the Event
Harshit Arora, Aparna Shandheep, Srishti Vajpai B. Sc. (H) Biomedical Science, III Year Sumit Tiwari, Rajeev Kumar, Sandeep Gupta B. Sc. (H) Chemistry, III Year Nitin Mittal, Komal Mewari, Kanika Arora B. Sc. (H) Zoology, III Year	Awarded with the certificate of most “Promising Innovation” at Innovation Conclave- October 25-26, 2016 organized by ANDC and also awarded with the title “Most Innovative Project” at the DU convocation for poster entitled ‘Design and synthesis and biological evaluation of oxindole-based isoxazolines towards the analog synthesis of marine natural product Flustraminol-B’.
Dhara Awasthi B. Sc. (H) Biomedical Science, III Year	Secured the second position in the 13th National Youth Parliament Competition organised by Acharya Narendra Dev College on September 2, 2016.
Simran Virdi and Shazeb Ahmad B. Sc. (H) Biomedical Science, III Year	Awarded Young Achiever’s Award for poster entitled ‘Discovery of Mycobacteriophages and development of Endolysins as alternative antibacterials’ at SYSCON 2016 at AIIMS from May 26-27, 2016.
Jayati Khanna B. Sc. (H) Biomedical Science, II Year Anmol B. Sc. (H) Chemistry, II Year	Awarded the third prize in the Physical Sciences Category for the poster ‘Synthesis of ZnS and PbS Nanoparticles by Chemical Precipitation using different capping agents’ at Innovation Conclave, ANDC from October 25-26, 2016.
Komal Mewari, Kanika and Nitin Mittal B. Sc. (H) Zoology, III Year	Awarded the ‘Most Innovative Innovation Project’ at the Convocation 2016, held at Delhi University for the poster ‘Design, synthesis and biological evaluation of oxindole-based isoxazolines towards the analog synthesis of marine natural product Flustraminol-B’.
Vaibhav Srivastava B. Sc. (H) Chemistry, II Year	Won the second prize in the Dr. Kalam series science debate organised by Lady Irwin College, University of Delhi on Science and Environment held on September 2, 2016. Won the first prize in Hindi Extempore held at AIIMS - PULSE 2016 on September 19, 2016. Won the first prize in point counterpoint turncoat debate at AIIMS PULSE 2016 on September 22, 2016. Winner of the first Mohini Pandey Memorial inspirational speech competition organised by Global Foundation for Human Excellence on Januray 21, 2017.

Name of the Student, Course	Details of the Event
Utkarsh Garg, Rishab Mirchandani, Pratyaksh Singh & Pritam Kashyap B. Sc. (H) Botany, II Year	The model presented by the students in International Summit on Air Pollution— Health Advisories was selected amongst the best three models. The selected poster was displayed at an International Conference organized by Indian Medical Association, New Delhi under the aegis of Confederation of Medical Associations in Asia and Oceania (CMAAO) on March 10, 2017.
Ravi Dwivedi B. Sc. (H) Mathematics, III Year	

4.1.5.2. Participation by Students in Various Conferences/Workshops

Students	Details of conferences/workshops
Harshit Arora, Aparna Shandheep, Srishti Vajpai B. Sc. (H) Biomedical Science, III Year	Presented a poster entitled 'One pot synthesis and antimicrobial activity of oxindole based spirocyclic isoxazolines' in BIOMEDCON-2016 organized by Society of Biomedical Laboratory Scientists (SBMLS) at Gandhi Peace Foundation on December 16, 2016 held at Vallabhbhai Patel Chest Institute, DU.
Sumit Tiwari, Rajeev Kumar, Sandeep Gupta B. Sc. (H) Chemistry, III Year	
Nitin Mittal, Komal Mewari, Kanika Arora B. Sc. (H) Zoology, III Year	
Shailya Verma B. Sc. (H) Biomedical Science, II Year	Presented a poster entitled 'Study interaction of P. vivax duffy binding protein (pvdbp) with its host receptors the duffy antigen (fy) on RBC surface using bioinformatics tools' at IISF 2 (India International Science Festival) at National Physical Laboratory from December 7-11, 2016 and '2nd National Conference on Understanding the molecular mechanism and Challenges of Complex Diseases UMCCD-2017', Shaheed Rajguru College of Applied Sciences, January 24-25, 2017. Presented a poster entitled 'Studying Evolution in Action: C. elegans a suitable model system comparing the N2 strain with the native ones to study behavioral modifications due to domestication' at Innovation Conclave, ANDC

Students	Details of conferences/workshops
Shailya Verma B. Sc. (H) Biomedical Science, II Year	on October 25-26, 2016. Participated in the nationwide IDEATHON contest organized in November-December, 2016. Attended Nobel Prize Series 2017 at Gandhinagar, Gujarat from January 9-10, 2017.
Nitish Kumar and Ritika Madaan B. Sc. (H) Biomedical Science, II Year	Presented a poster entitled 'Characterisation and comparison of different synthesis methods of CuS nanoparticles' at the 2nd India International Science Festival, organised by National Physical Laboratory from December 7-11, 2017 and Shaheed Rajguru College of Applied Sciences from January 24-25, 2017.
Saurabh Yadav B. Sc. (H) Biomedical Science, II Year	Presented a poster entitled 'Synthetic fabrication of gold nanoparticles with controlled shape, size and surface functionality' at the 2nd India International Science Festival, organised by National Physical Laboratory from December 7-11, 2017 and Shaheed Rajguru College of Applied Sciences from January 24-25, 2017.
Jayati Khanna B. Sc. (H) Biomedical Science, II Year Anmol B. Sc. (H) Chemistry, II Year	Presented a poster entitled 'Synthesis of ZnS and PbS nanoparticles by chemical precipitation using different capping agents' in Innovation Conclave, ANDC from October 25-26, 2016.
Simran Viridi and Shazeb Ahmad B. Sc. (H) Biomedical Science, III Year	Presented a poster on 'Discovery of Mycobacteriophages and development of Endolysins as alternative antibacterials' at SYSCON 2016 at AIIMS from May 26-27, 2016.
Harshit Arora, Aparna Shandheep, Srishti Vajpai B. Sc. (H) Biomedical Science, III Year Sumit Tiwari, Rajeev Kumar, Sandeep Gupta B. Sc. (H) Chemistry, III Year Nitin Mittal, Komal Mewari, Kanika Arora B. Sc. (H) Zoology, III Year	Oral Presentation on 'Synthesis and biological analysis of oxindole-based isoxazolines leading to analog synthesis of marine natural product Flustraminol-B' with prime biological significance poster presentation at International conference on Green Chemistry in Environmental Sustainability & Chemical Education- ICGC2016 held at Department of Chemistry, Daulat Ram College from November 17-18, 2016.

Students	Details of conferences/workshops
<p>Harshit Arora, Aparna Shandheep, Srishti Vajpai B. Sc. (H) Biomedical Science, III Year</p> <p>Sumit Tiwari, Rajeev Kumar, Sandeep Gupta B. Sc. (H) Chemistry, III Year</p> <p>Nitin Mittal, Komal Mewari, Kanika Arora B. Sc. (H) Zoology, III Year</p>	<p>Presented a poster on 'Design, synthesis and biological evaluation of oxindole-based isoxazolines towards the analog synthesis of marine natural product Flustraminol-B' in International conference on Green Chemistry in Environmental Sustainability & Chemical Education - ICGC2016 held at Department of Chemistry, Daulat Ram College from November 17-18, 2016 and Poster Presentation at Innovation Conclave, ANDC from October 25-26, 2016.</p>
<p>Simran Agarwal, Harshit Srivastava and Devendra Sharma B. Sc. (H) Chemistry, II Year</p>	<p>Presented a poster entitled 'Determination of some soft drink constituents and contamination by some heavy metals' in International Conference on Green Chemistry in Environmental Sustainability (ICGC-2016), held from November 17-18, 2016 organized by Department of Chemistry, Daulat Ram College, University of Delhi.</p>
<p>Mukesh Chandra Joshi and Hemant Kumar Rajour B. Sc. (H) Chemistry, II Year</p>	<p>Presented a poster entitled 'Mixed Ligand Metal Complex of Nickel Chloride Bearing Curcumin and 2, 2' – Bipyridine: Their Synthesis, Characterization and Antimicrobial Study' in 7th National Conference on Science and Technology for National Development, held from November 20-22, 2016, organized by Indian Science Congress Association, Haridwar Chapter and Department of Chemistry, Gurukul Kangri Vishwavidyalya, Haridwar, Uttarakhand.</p>
<p>Simran Agarwal, Harshit Srivastava and Devendra Sharma B. Sc. (H) Chemistry, II Year</p>	<p>Presented a poster entitled 'Chemical Analysis of Soil and Their Effects on Germination of Seed' in a National Conference on Environmental Sustainability in Wastewater Remediation: Current Status and Future Prospects, to be held from January 19-20, 2017, organized by Department of Chemistry, Sri Venkateswara College, University of Delhi in association with RSC (London).</p>

Students	Details of conferences/workshops
Ankit Pant B. Tech. Computer Science, IV Year Anuj Gupta, Ashutosh Gupta, Vijay Giri B. Tech. Electronics, IV Year	Presented a poster entitled 'Low Cost Navigation system for Visually Impaired' in an International Conference on Recent Trends in Computer Science, e-learning, information and communication Technology (CSIT-2016) held at Jawaharlal Nehru University on July 3, 2016.
Raj Kumar and Ayesha Rustgi B. Tech. Electronics, IV Year	Presented a poster entitled 'Development of an Agricultural Data Acquisition and Processing System' in the Innovation Conclave 2016 held at ANDC, University of Delhi from October 25-26, 2016.
Sadashiv Raj Bharadwaj, Ayesha Rustgi, Raj Kumar B. Tech. Electronics, IV Year	Presented a poster entitled 'Pocket Lab: Physics Experiments using Smartphones' in the Innovation Conclave 2016 held at ANDC from October 25-26, 2016.
Sadashiv Raj Bharadwaj, Arwind Yadav, Ayesha Rustgi B. Tech. Electronics, IV Year Jabali Chowdhari B. Sc. (H) Biomedical Science, III Year	Presented a poster entitled 'Brain-Computer Interface: A Boon for Physically Challenged' in Innovation Conclave organized by ANDC, University of Delhi from October 25-26, 2016.
Priya Chopra, Jitender Pal Singh B. Sc. (H) Physics, II Year	Presented a poster entitled 'Ambient air pollution (AAP) measurements using Electronic Nose at unrestrained MSW landfills located in Delhi' in Innovation Conclave organized by ANDC, University of Delhi from October 25-26, 2016.
Mayuri Mathuria B. Sc. (H) Biomedical Science, III Year Pratyaksh Singh B. Sc. (H) Botany, II Year	Presented a poster entitled 'Biological contamination in groundwater- an impending disaster' in Innovation Conclave organized by ANDC, University of Delhi from October 25-26, 2016.
Harveen Kaur, Manoj Kumar B. Sc. (H) Zoology, II Year	Presented a poster entitled 'Synthesis and characterization of metallic nanoparticles for water filtration units' in Innovation Conclave organized by ANDC, University of Delhi from October 25-26, 2016.

Students	Details of conferences/workshops
Shweta Singh, Pragya Yagnik, Bishal K Das B. Sc. (H) Botany, III Year	Presented a poster entitled 'Addressing posteriori environmental concern 21st century-Clean potable drinking water in households' in National Seminar on Water and Air quality in urban ecosystem. Shivaji College, University of Delhi on March 22, 2016.
Chanchal Chaudhary, Ankit Kumar Arya, Kajal Jha, Akriti Gupta, Sakshi Tyagi, Gayatri Batra, Aakriti Kataria, Urvashi Makhija B. Sc. (H) Zoology, III Year Lisha Taneja, Pooja Sharma B. Sc. (H) Chemistry, III Year	Presented a poster entitled 'Biodegradation of wastes by microbial extracellular enzymes' in National Symposium on Trends in Research and Innovations in Life Sciences at Undergraduate Level organized by Department of Zoology, Deen Dayal Upadhyaya College on March 30, 2016.
Chanchal Chaudhary, Ankit Kumar Arya, Kajal Jha, Akriti Gupta, Sakshi Tyagi, Gayatri Batra, Aakriti Kataria, Urvashi Makhija B. Sc. (H) Zoology, III Year Lisha Taneja, Pooja Sharma B. Sc. (H) Chemistry, III Year	Presented a poster entitled 'Role of microbial extracellular enzymes in bioremediation of wastes' in XL All India Cell Biology Conference & International Symposium on Functional Genomics and Epigenomics, Galav Sabhagar, Jiwaji University from November 17-19, 2016.
Shiv Jangra, Khushi, Simran, Sidhanth Zutshi, Bhupender Singh, Jyoti Dagar, Anit Kumar B. Sc. (H) Zoology, III Year Anusha Goyal, Muskan Bhatnagar, Meenu Upadhyay B. Sc. (H) Chemistry, III Year	Presented a poster entitled 'A study on assessment of physico-chemical analysis and correlating it with ciliate diversity to monitor sludge quality' in Innovation Conclave held at ANDC, University of Delhi from October 25-26, 2016.
Hritik Kadian B. Sc. (H) Zoology, II Year Mukesh Gupta, Bhupender Singh, Shiv Jangra, Simran B. Sc. (H) Zoology, III Year	Presented a poster entitled 'Effect of UV radiation on ciliated Protozoa Euplates aediculatus' in Innovation Conclave held at ANDC, University of Delhi from October 25-26, 2016.
Divya Yadav B. Sc. (H) Zoology, II Year.	Presented a poster entitled 'Phylogenetic Analysis of two hypotrich ciliates using ITS2 gene sequence and its secondary structure to elucidate their evolutionary relationships' in Innovation Conclave held at ANDC, University of Delhi from October 25-26, 2016.

Students	Details of conferences/workshops
Ramanand Sharma B. Sc. (H) Electronics, II Year	<p>Attended a two day camp Aawaz organized by NSS youth centre, Jawaharlal Nehru University from February 10-11, 2017.</p> <p>Participated in a workshop on 'Digital india' organised by Ministry of Electronics and Information at Jawaharlal Nehru University on October 23, 2016.</p>

4.1.5.3. Innovation Conclave Convenor: Dr. Arijit Chowdhuri

As part of the year-long silver jubilee celebrations, the college organized a two-day Innovation Conclave (October 25-26, 2016) that offered a platform to the undergraduate student fraternity in the University of Delhi to showcase their research work. The conclave proffered the students ample scope for interactive discussion on myriads of issues besides talks by distinguished scientists on frontier areas of Science and exposure to cutting-edge technology. Some of the eminent luminaries that the College hosted over the two-day extravaganza included Professor J. P. Khurana (Pro-Vice Chancellor, University of Delhi), Professor K. Muralidhar (South Asian University), Professor Patrick Dasgupta, (Department of Physics, DU), Professor H. Bohidar (School of Nanoscience, JNU), Professor Ayub Khan (Department of Mathematics, JMI), Dr. Pramod Upadhyay (NII) and Dr. Kavita Mehra (Advisor, NAM S&T Centre).

The Innovation Conclave saw 66 competitive poster presentations by undergraduate students from 15 different colleges of the University of Delhi. The contributions (39 from Physical Sciences and 27 from Life Sciences category) also had faculty from the parent departments of Electronics, Botany, Environmental Science and Ambedkar Centre of Biomedical Research as co-authors pointing to the deep engagement of the students with research. Overall, the Conclave had the undergraduate students' understanding that research was definitely a viable career option and a panacea to the ills plaguing the country in general.

Awardees in Innovation Conclave

S.No.	Poster Title	Category	Students (Affiliation)	Prize
1.	Isolation, identification, purification and optimization of different parameters of L – Asparaginase from microorganism <i>Alcaligenes faecalis</i>	Life Sciences	Amit Rana, Shivangi Bansal, Deepshikha, Bhavya, Shrish, V. Prabhavathi, Rashmi Wardhan (Shivaji College, University of Delhi)	Ist
2.	Study the molecular mechanism of haemoglobin gene expression in under varying oxygen concentrations	Life Sciences	Kajal Kumari, Sarthak Khurana (Think lab— the science society, Acharya Narendra Dev College, University of Delhi)	IIInd
3.	Circuit design and implementation for microbial detection and food quality analysis	Life Sciences	Jitender Kumar, Amit Kumar, Shalini Sehgal, Vishal Singh, Ravinder Singh, Kapil Sharma, Manpreet K. Bagga (Bhaskaracharya College of Applied Sciences, University of Delhi)	IIIrd
4.	To design a chemical filter capable of reducing emissions of SO ₂ and NO _x from vehicular pollution	Physical Sciences	Harshit Goyal, Ridhima Bhandari, Akshay, Aastha Jain, Rohit Bharti, Manoj Kumar, Nidhi Sakarwal, Mudit Aggarwal, Anmol Agnihotri, Cheshta Soni, Himanshu Kushwah, Anil Sethi, Neha Sharma, Divya Haridas (Keshav Mahavidyalaya, University of Delhi)	Ist

S.No.	Poster Title	Category	Students (Affiliation)	Prize
5.	Silica nanoparticles conjugated curcumin: Synthesis and physicochemical characterizations	Physical Sciences	Chetna Gupta, Parul Pant, Farhat Jahan, Sagar Kumar, Apoorva Grewal, Puneet Goel, Astha Jain, Sakshi Anand, Anuj Pundir, Shivani Garg, Aishwarya Rai (Hansraj College, University of Delhi)	IIInd
6.	Synthesis and characterization of ZnS and PbS Nanoparticles by chemical precipitation method using different capping agents	Physical Sciences	Seema Gupta, Gagan Dhawan, Anmol, Jayati Khanna (Acharya Narendra Dev College, University of Delhi)	IIIrd

4.1.5.4. Youth Parliament Competition Coordinator: Dr. Abhishek K. Mehta

The College participated in the 13th National Youth Parliament Competition for colleges and universities. This competition organized by the Ministry of Parliamentary Affairs, Govt. of India helps to develop leadership qualities and seeks to increase the understanding of the parliamentary system amongst students. This was the second time that the College participated in the National Youth Parliament Competition. This year, more than 50 teams, divided into eight groups, had participated. The competition had two stages – group level and national level. At the group level, the teams had to perform at their respective campuses with the jury visiting there. The group level competition was organized by the College on September 2, 2016 in our own premises. The College team had 50 students from different courses. The jury comprised the Honourable ex-M.P. Mr. Bratin Sengupta from West-Bengal, Dr. Tarun Arora (Group Coordinator) from Central University of Punjab and Professor M. Afzal Wani from GGS Indraprastha University, New Delhi. The judges were highly impressed by the performance of our students and the following six students were selected for their exemplary roles:

I Prize: Komal Aneja; B. Com. (H), I Year

II Prize: Dhara Awasthi; B. Sc. (H) Biomedical Science, III Year

III Prize: Chinmay Gupta; B. Sc. (H) Chemistry, I Year

Special prizes:

Manish Kumar; B. Sc. (H) Chemistry, III Year

Vikas Shukla; B. Sc. (H) Biomedical Science, I Year

Saltanat; B. Sc. (H) Botany, II Year

The results of the Group level competition will be declared after few months.

4.1.5.5. Expanding the Horizon of Undergraduate Science Students

The College is committed to expand the horizons for our Undergraduate science students, besides the teaching and research activities in the College. This year, the following opportunities were made available to our Science students.

- (1) 'Open Day' held by the Institute of Genomics and Integrative Biology (IGIB), Mathura Road on November 4, 2016. About fifty students from the departments of BMS, Botany, Life-Science and Zoology were taken in a bus provided by the Institute to visit various laboratories at IGIB and learn about their ongoing research activities. Students were excited to witness the functioning of advanced laboratories with high-end equipment such as flow-cytometer, mass spectrometer, real-time PCR to name a few. Visualization of molecules through 2D models and of zebrafish by fluorescence and to learn central dogma by 3D models were some of the interesting and easy to comprehend experiences for the students.
- (2) An interactive session with the Nobel laureates was organized by the Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India and the Nobel Media and assisted by DBT-Wellcome India Alliance on January 12, 2017 at the Nehru Memorial Museum. The theme was: Strengthening ties between Science, government and industry – a recipe for innovation?
The session was about knowing the Nobel Laureates' opinion on how science can be promoted and made lucrative to students, on how to draft policies so as to facilitate a better environment conducive for science and research and

what could be done to draw and retain students' and scholars' interest in the discipline. Some of the main ideas discussed were "How to prepare/train or incentivize college/university faculty to participate in marketable research?", "Importance of technology transfer and translational research with market appeal", "Interdependence of basic and applied science" and "Integration of biomedical research and medical science".

Undergraduate students (40 students attended the event) were encouraged to ask questions to the laureates. Overall, it was a great learning experience for the students where they got to be a part of stimulating discussions and also have one-on-one interaction with the Nobel laureates which certainly does not happen every day!

- (3) The Cell Press-TNQ India Distinguished Lectureship Series was organized at AIIMS, Delhi on February 24, 2017. The speaker, Dr. Mary Claire King, Geneticist from the University of Washington, who pioneered the idea that breast cancer could be heritable talked about "Understanding inherited breast and ovarian cancer: from gene discovery to precision medicine and public health". Ten students attended the programme and they came back enriched with information on breast cancer and the present challenges.

4.2. Result Analysis

Assessment is an integral part of any education system as it is an impartial indicator of a student's performance and achievements of learning-outcomes. In this regard, University of Delhi has prescribed a set of guidelines for the assessment and examination for the 3- year undergraduate programme under CBCS (Choice Based Credit System). Acharya Narendra Dev College has always set high bench-marks in scholastic pursuits and expects its students not only to maintain but also scale-up these standards. A dedicated staff and a conducive teaching-learning environment have been successful in achieving good results consistently.

College Performance

Total Number of students enrolled in the college in I year	= 601
Total number of students appeared in CBCS I Year Examination	= 562
Total number of students passed in CBCS I Year Examination	= 552

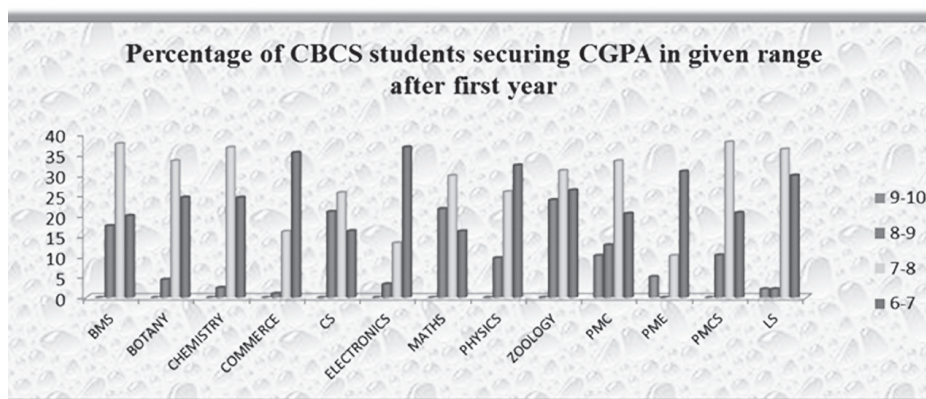
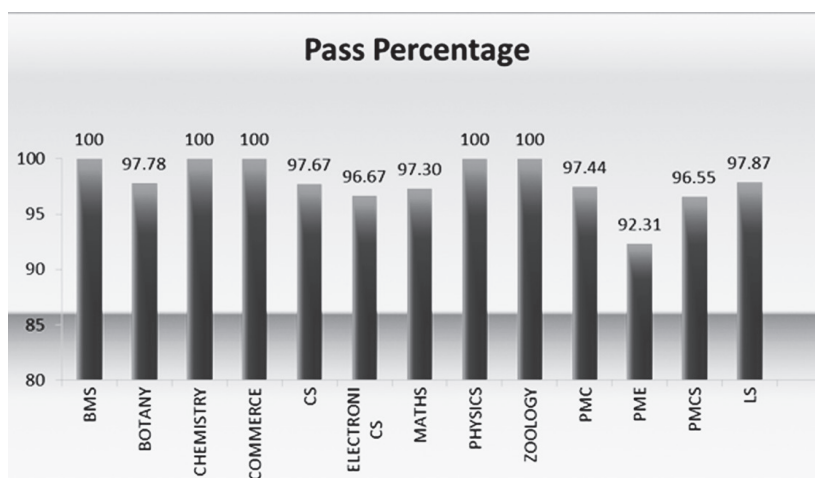
$$\text{Pass Percentage} = \frac{\text{Total no. of students passed in CBCS I year Examination}}{\text{Total no. of students appeared in CBCS I year Examination}} \times 100$$

$$\frac{552}{562} \times 100 = 98.22\%$$

Performance Analysis – Department-wise

A comparative analysis across departments helps identify their areas of strengths and weaknesses and take appropriate remedial action. To this end, a comprehensive analysis has been undertaken to gauge students' performance of CBCS course I year for each department for the academic session 2015-2016. The CBCS I year examination were held in the months of November-December, 2015 and May-June, 2016. The bar-diagram shown below indicates the Pass Percentage of various departments.

The graph below depicts the department wise percentage of students who have obtained percentage in the desired CGPA range (CBCS I year, 2015- 2016).



Inference:

1. The result analysis across departments show that the students of B. Sc. Physical Science (Chemistry) I Year course have performed the best by scoring the highest CGPA in the range of 9-10 in the CBCS I year examination, than all other courses.
2. The above graph indicates that among all the college students, who have successfully passed the CBCS I year examination-
 - ✓ **9.07 %** students have scored CGPA in the range 8-9.
 - ✓ **27.22 %** students have scored CGPA in the range 7-8.

The above graph also shows that **64.06%** of the total strength of students, who successfully passed the CBCS I year examination, have scored a CGPA more than 6.0.

4.3. The Students' Council

The Students' Council elections were held on September 9, 2016. The following students were elected:

Students' Council Post	Name of the Student	Course
Mayor	Mr. Sachin Bisht	B. Sc. (H) Electronics, III Year
Deputy Mayor	Ms. Sheetal Seghal	B. Sc. Life Sciences, II Year
Council Secretary	Mr. Shivam Tiwari	B. Sc. Physical Sciences, II Year
Treasurer	Mr. Kishan Singh	B. Sc. (H) Electronics, II Year
Cultural Secretary	Mr. Harsh Singh	B. Com. (H), III Year
Student Representative (Grievances)	Mr. Ashish	B. Sc. Physical Sciences, III Year
Student Representative (Sports)	Mr. Shubham Shikhawat	B. Sc. Physical Sciences, II Year
Student Representative (Placement Cell)	Mr. Rajat Verma	B. Sc. (H) Computer Science, III Year
Student Representative (Women Empowerment)	Ms. Juhi Jaiswal	B. Sc. (H) Zoology, II Year

4.4. Class Representatives

Course	Year	Name
Biomedical Science	I	Mr. Purnendu Kumar
	II	Mr. Nitish
	III	Mr. Madan

Course	Year	Name
Botany	I	Mr. Devendra Choudhary
	II	Mr. Anand Kr.Bharti
	III	Mr. Sandeep
Chemistry	I	Mr. Piyush Kumar
	II	Mr. Pankaj Gangwar
	III	Mr. Sandeep Gupta
Commerce	I (Sec A)	Mr. Shubham
	I (Sec B)	Mr. Shubham
	II (Sec A)	Mr. Umesh Rathaur
	II (Sec B)	Mr. Ved Vyas
	III (Sec A)	Mr. Rishabh Kr.Prajapati
	III (Sec B)	Mr. Gurunandan Kumar
Computer Science	I	Mr. Ashwani Varshney
	II	Mr. Abhishek Kumar
	III	Mr. Rajat Verma
	IV	Mr. Avi
Electronics	I	Mr. Manish
	II	Mr. Ramanand Sharma
	III	Mr. Amit Gupta
	IV	Mr. Sundaram Kumar Yadav
Mathematics	I	Mr. Neeraj Varshney
	II	Mr. Bhagat Singh
	III (Sec A)	Mr. Alok Yadav
	III (Sec B)	Ms. Neelima Arora
Physics	I	Mr. Vaibhav Gautam
	II	Mr. Rachit Dobhal
	III	Mr. Pushpender Singh
Zoology	I	Mr. Partho Proteem Das
	II	Ms. Juhi Jaiswal
	III	Ms. Jyoti Dagar

5. ACHIEVEMENTS OF FACULTY

Dr. Savithri Singh, Principal

S.No.	Achievement	Duration
1	Paper entitled 'A study on awareness of OER among content creators' in OE Global Conference 2017 held at Cape Town, South Africa.	March 8 -10, 2017
2	Convenor, Photography Competition during Annual Flower Show of the University of Delhi.	February, 2017
3	Member, Garden Committee during Annual Flower Show of the University of Delhi.	February, 2017
4	Member, Committee constituted by the University of Delhi for the smooth conduct of admissions in 2017-18.	January, 2017
5	Invited panelist on discussion of 'Academic integrity in digital world' in the 5th International Conference on Digital Libraries organized by TERI.	December 13-16, 2016
6	Invited to attend World Teacher's Day Forum and 'Expert meeting on facilitating teachers' use of OER' by Asia and Pacific Bureau of Education, UNESCO, Bangkok.	October 5-6, 2016
7	Invited to attend the Creative Commons Asia Pacific regional meeting in Beijing, China organized at Renmin University of China Law School.	July 1-4, 2016
8	Member, Committee on colleges related to Government of Delhi a. to study, analyze and consolidate issues related to the Government of Delhi. b. to study and refine suggestions received from various colleges.	Since May, 2016
9	Invited to attend the meeting for the review of SSPP (Secondary School Preparedness Programme).	May 4, 2016
10	Member, Committee for Implementation of RUSA in NCT of Delhi.	Since February, 2016
11	Invited as an expert by UNESCO for the "Open Educational Resources (OER) Roadmap Meeting' at the UNESCO Headquarters, Paris.	March 30-31, 2016

S.No.	Achievement	Duration
12	Member, Advisory Group for ROER4D (Research on Open Educational Resources for Development) project, funded by the International Development Research Centre (IDRC), Canada involving 11 OER Adoption studies and 8 OER impact studies and 8 OER impact studies, all located in the Global South (Specifically guiding three research projects in Malaysia, Columbia and India).	Since 2013
13	Member, National Resource Group (NRG) for Rashtriya Madhyamik Shiksha Abhiyan (RMSA), constituted by the Ministry of Human Resource Development, Government of India.	Since 2011
14	Member, National Resource Group (NRG) on ICT in School Education, constituted by the Ministry of Human Resource Development, Government of India.	Since 2011

5.1. Contribution of Faculty to School/College Education

5.1.1. Books/Chapters (in Books) Published

Faculty	Title	Publication	Year
Dr. Sandeep Kumar Goel (Commerce)	Block 2: Accounts from Incomplete Records including Unit 5: Self-Balancing System Unit 6: Accounting from Incomplete Records- I Unit 7: Accounting from Incomplete Records- II and III.	Arjun Singh Centre for Distance and Open Learning, Jamia Millia Islamia, New Delhi, ISBN: 978-93-82997-79-5.	2016
Dr. Sarita Kumar (Zoology)	'Current Topics in Chikungunya' Ed. Alfonso J. Rodriguez-Morales, ISBN 978-953-51-2595-2, Print ISBN 978-953-51-2594-5. Contributed towards the section-end and chapter-end questions in the Global Edition of the Book 'Biology: A Global Approach'.	E-book 11th Edition, by Campbell et al.	2016

Faculty	Title	Publication	Year
Monisha Khanna Kapur (Zoology)	Screening, Quantification and Purification of Cellulases from soil Actinomycetes. Microbial Biotechnology: Technological Challenges and Developmental Trends	Apple Academic Press, ISBN 9781771883320.	2016
Dr. Sumit Sahni (Botany)	Osmotin gene over expression in Nicotiana for abiotic stress tolerance ISBN-13: 978-3-659-93563-3	LAP LAMBERT Academic Publishing	2016

5.1.2. Educational e-content Uploaded on the University of Delhi /Other Websites

Faculty	e-chapter
Dr. Pankaj Khanna (Chemistry)	Online Live lectures at CEC-UGC EDUSAT Network Electronic Displacements: https://youtu.be/r0vaizNWyMs Electronic Displacements II: https://youtu.be/semyBtAHgTY
Dr. Mamta Bhatia (Physics)	Reviewer e- lesson on Physics; VLE Platform, ILL, Univ. of Delhi; Chapter on Solid State Physics: "Superconductivity"

5.1.3. Enriching School/College Education

Contribution	Faculty Involved (Department)	Duration
Resource person in a five day workshop on "Development of e-Resources for Science at Secondary stage", held at and organized by NCERT.	Dr. Pankaj Khanna (Chemistry)	February 13-17, 2017
Part of NCERT Project "Development of e-Resources in Science at Upper Primary Stage".	Dr. Sarita Kumar (Zoology)	August 29 - September 2, 2016; October 3-8, 2016; November 7-11, 2016
Trained Higher Secondary Teachers in Biology under the training program of NCERT 'Capacity Building of Key Resource Persons on the Use of Biology Kits at Higher Secondary Stage'.		December 26-30, 2016

Contribution	Faculty Involved (Department)	Duration
Member of panel of judges for the “National Level CBSE Science Exhibition 2016-17” held at N.C. Jindal Public School, Punjabi Bagh.	Dr. Sarita Kumar (Zoology)	February 8- 9, 2017
Participated in the workshop “Study of the syllabi and textbooks in Science and Mathematics at Upper Primary and Secondary stages across the country from the perspectives of conceptual depth”, held at NCERT.		February 6-10, 2017

5.2. Conferences, Workshops, Training Programmes Organized

Faculty (Department)	Details
Dr. Urmi Bajpai (Biomedical Science)	<p>Co-ordinator of Science <i>Setu</i> programme between Acharya Narendra Dev College (ANDC) and Translational Health Science and Technology Institute (THSTI), Faridabad.</p> <p>Co-ordinator of CSIR-IGIB Open day held at CSIR IGIB, South Campus, Mathura road, New Delhi, October 14, 2016.</p> <p>Co-ordinator of Nobel Prize Series India Q&A session at Nehru Memorial Museum and Library, Teen Murti Bhawan, New Delhi, January 12, 2017.</p>
Dr. Gagan Dhawan (Biomedical Science)	<p>Co-ordinator, Workshop on Computational Methods in Drug Discovery organized by Special Centre for Molecular Medicine, JNU, New Delhi and National Network on Mathematical Modeling and Computational Biology (NNMCB), supported by Science and Engineering Research Board, Government of India from August 9-11, 2016.</p> <p>Course Co-ordinator, Pre-Entrance Summer School for M.Sc-Ph.D. combined degree program (Biomedical Science) from May 28- June 13, 2016, organized by ILL, University of Delhi.</p>
Dr. Arijit Chowdhuri (Physics)	Convenor, Innovation Conclave – 2016: Nurturing research at the UG level a two-day symposium organized under the aegis of Silver Jubilee celebrations from October 25–26, 2016, at Acharya Narendra Dev College (University of Delhi) Govindpuri, Kalkaji, New Delhi, India.
Dr. Sarita Kumar (Zoology)	Organized 26 th Biennial Conference of the Asian Association for Biology Education ‘Trends in Biology Education & Research: Practices & Challenges’, September 20-23, 2016, Goa, India.

5.3. Awards /Honours

Awardees' Name (Department)	Name of the Award/Honour	Awarded/ Honoured by	Awarded on Date
Dr. Ravi Toteja (Zoology)	Meritorious Teacher Award	Directorate of Higher Education, Govt. of NCT of Delhi	2016
Dr. Gagan Dhawan (Biomedical Science)	Raman fellowship for postdoctoral research. He is presently pursuing his research at University of Massachusetts, Boston.	UGC	2016-2017
Dr. Charu K Gupta (Botany)	Best poster award for the poster "Remote monitoring of landfill gas concentrations in real-time from MSW landfills in Delhi using a portable and autonomous electronic nose".	ICSEPM 2016, Jawaharlal Nehru University (JNU), New Delhi	December 11-13, 2016
Dr. Charu K Gupta (Botany) Dr. Sarita Kumar (Zoology)	The Project "Development of low-cost, robust, portable water purifier prototype with physical, chemical and biological filtration for field water disinfection and potable water generation in natural calamity afflicted zones with harsh conditions" was selected for display at the University Foundation Day.	Poster Display at DU Foundation Day	May 1, 2016
Dr. Yash Mangla (Botany)	Awarded 'Best Poster Award' for poster presentation at National Conference on 'Pharmacognosy: Scope of phytochemically unexplored medicinal plants.	Zakir Husain Delhi College, University of Delhi	January 12, 2017
Dr. Seema Gupta & Dr. Pooja Bhagat (Chemistry) Dr. Gagan Dhawan (Biomedical Science)	The Project "Design, synthesis and biological evaluation of oxindole- based isoxazolines towards the analog synthesis of marine natural product Flustraminol-B" awarded as the Most Promising Innovation.	Research Display at the DU Convocation Ceremony 2016	2016

Awardees' Name (Department)	Name of the Award/Honour	Awarded/ Honoured by	Awarded on Date
Dr. Amit Garg & Dr. Vishal Dhingra (Electronics) Dr. Abhishek Kumar Mehta (Biomedical Science)	The project "Development of a multisensor gesture controlled Wheelchair System for Persons with Disability", awarded as the Most Promising Innovation.	Research Display at the DU Convocation Ceremony 2016	2016
Dr. Neeti Misra & Dr. Pankaj Khanna (Chemistry) Vibha Gaur (Computer Science)	Best Poster award and certificate of appreciation for the work done in Innovation Project ANDC-305, "Designing a Virtual Chemistry Lab for Undergraduate Students".	Research Display at the DU Convocation Ceremony 2016	2016
Dr. Urmi Bajpai (Biomedical Science)	Reappointed National Coordinator, TATA-CSIR-OSDD Fellowship programme.	Sir Dorabji Tata Trust through CSIR	2015-2017
Dr. Sarita Kumar (Zoology)	Chaired a session in the Second National Symposium on Environment: Greener Future and Awareness. Chaired two sessions in the 26th Biennial Conference of the Asian Association for Biology Education.	Deshbandhu College, University of Delhi Trends in Biology Education & Research: Practices & Challenges, Goa, India	2016
Dr. Chandrakant Samal (Computer Science)	Chaired a session in the International Conference on Computing Communication and Automation (ICCCA2016).	Department of. Comp. Sc. & Engg. Galgotias University, UP, India	April 29-30, 2016
Dr. Sandeep Kumar Goel (Commerce)	Honoured by Naagrik Samiti Indraprastha Delhi at 'Jashn-E-Azadi'.		August 14, 2016.

5.4. Invited Talks

Faculty (Department)	Details
Dr. Urmi Bajpai (Biomedical Science)	Invited for a 2-day meet on “Teaching of the sciences in higher education: Issues and Challenges in Pedagogy and Research” at Bangalore University and presented a poster titled “Learning science through research and new teaching methodologies”, May 27-28, 2016. Invited to be the facilitator of sessions in the ‘Undergraduate science teachers’ workshop’ held at Ramjas College on January 31, 2017, organized by India BioScience and Ramjas College, University of Delhi. Resource person in DU Pre-NET Winter School-2016 organized by University of Delhi (November 5 – December 12, 2016).
Dr. Gagan Dhawan (Biomedical Science)	Resource Person in Computational Methods in Drug Discovery organized by Special Centre for Molecular Medicine, JNU, New Delhi and National Network on Mathematical Modeling and Computational Biology (NNMCB), supported by Science and Engineering Research Board, Government of India from August 9-11, 2016. Title of talk: Virtual Screening and Molecular Docking followed by Hands-on Session. Invited Lecture at Interdisciplinary Refresher course in Contemporary Studies (Natural Sciences, Education, Biological Science, Environmental Demography and Sociology) (June 7- 27, 2016) organized by CPDHE, University of Delhi on June 09, 2016. Title of talk: Machine Learning in Biology. Resource Person, Pre-Entrance Summer School for M.Sc.-Ph.D. combined degree program (Biomedical Science) from May 28 - June 13, 2016, organized by ILL, University of Delhi.
Dr. Sharanjit Kaur (Computer Science)	Delivered expert lecture on Graph Analytics using R in one week Faculty Development Programme on innovation and Recent trends in Data Analytics, December 26-31, 2016 at Department of Computer Science, Banasthali Vidyapeeth University. Delivered expert lecture in 1 week FDP on Big Data Analytics at ITS Engineering College, Greater Noida, January 9-13, 2017. Expert Talk on ‘Graph analytics using R’ and ‘Stream clustering’ on June 13, 2016 at Manav Rachna International University, Faridabad during 10 days workshop on Big data Analytics. Two expert lectures on ‘Graph Analytics’ on November 9, 2016 during Faculty Development Program on ‘Data Science and Machine Learning’ at Bharati Vidyapeeth College of Engineering, New Delhi.

Faculty (Department)	Details
Dr. Mamta Bhatia (Physics)	<p>Invited by National Law University, Delhi on July 22, 2016; to give a talk on "Legal services: Workforce Development under Skill Development Initiatives of India".</p> <p>Attended as Invited Delegate during 2016:</p> <ul style="list-style-type: none"> • India-Ontario Roundtable on "Internationalization of Higher Education"; February 1, 2016; invited by CII • Launch of MOOC on "Passport to India"; a US Govt. funded initiative; Invited by US Embassy, Delhi, January 12, 2016 • 1st Dr APJ Abdul Kalam Memorial Lecture & Session on "Technology Trends and Future Research Directions for India"; August 10, 2016, invited by CII

5.5. Seminars, Symposia, Workshops, Training Programs Participated/Attended

Faculty (Department)	Details
Dr. Gagan Dhawan (Biomedical Science)	<p>Green Chemistry in the Pharmaceutical Industry and Chemical Education Workshop, organized by Pfizer Pharmaceuticals on November 5, 2016 at Integrated Science Center, UMass, Boston, USA.</p> <p>Antibody Modelling and Protein Engineering in MOE and Biologics: Protein Alignments, Modelling and Docking organized by Chemical Computing Group on October 19, 2016 at Le Méridien, Cambridge, MA, USA.</p> <p>Innovating for a More Sustainable Pharmaceutical Industry: A Research Symposium by the ACS GCI Pharmaceutical Roundtable organized by ACS Green Chemistry Institute on October 13, 2016 at Novartis Institutes for Biomedical Research, Cambridge, MA, USA.</p> <p>Structure-Based Drug Design and Ligand Modification organized by Chemical Computing Group on September 19, 2016 at Broad Institute, Cambridge, MA, USA.</p>

Faculty (Department)	Details
Dr. Gagan Dhawan (Biomedical Science)	Green Chemistry Workshop on Innovation, Design, and Green Chemistry @ UMB organized by Yale University and UMass, Boston, September 18, 2016 at Integrated Science Center, UMass Boston, USA.
Dr. Rajesh Chaudhary (Biomedical Science)	National Conference on Recent advances in Biomedical Science: Diagnosis and Research, Organised by The society of Biomedical Laboratory Scientists, India, held at Gandhi Peace Foundation, Deen Dayal Upadhyaya Marg, New Delhi on December 16, 2016
Dr. Seema Gupta (Chemistry)	Discussion Forum on 'Sustainable Development and Challenges' on January 25, 2017 at TERI University.
Dr. Geetu Gambhir (Chemistry)	Faculty empowerment workshop entitled: WSB2 National workshop on subject specific ICT skills for Chemistry Educators held at Guru Angad Dev Teaching Learning Centre of MHRD at SGTB Khalsa College held on January 19, 2017.
Dr. Dinesh Kumar Arya (Chemistry)	National Seminar on Scientific and Terminology in Environmental Sciences organized by Commission for Scientific and Technical Terminology (MHRD) at S.G.G. Govt. College, Banswara (Rajasthan) held on September 16 – 17, 2016.
Dr. Pankaj Khanna (Chemistry)	Four-week online course on "Teaching with Moodle", a Learn Moodle MOOC by Moodle HQ during January 2017. National Seminar on "New Roles of Teachers in technology-driven Higher Education" held at and organized by Guru Angad Dev - Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi on March 1, 2017.
Dr. Sandeep Kumar Goel (Commerce)	Accounting Symposium on International Financial Reporting Standards, Shri Ram College of Commerce in collaboration with Indian Accounting Association, Delhi Chapter, Delhi, May 5-6, 2016. Faculty Development Programme on E-Filing of Income Tax Return, Indian Accounting Association, Delhi Chapter in collaboration with Sri Guru Teg Bahadur Khalsa College, Delhi, August 6, 2016.

Faculty (Department)	Details
Dr. Sandeep Kumar Goel (Commerce)	<p>39th All India Accounting Conference and International Seminar on Accounting Education and Research, Department of Commerce, Bangalore University, Bangalore in association with Indian Accounting Association, Karnataka Branch, December 16-17, 2016.</p> <p>One Day Faculty Development Programme on E-Filing of Return, Department of Commerce and IQAC of Deen Dayal Upadhaya College in collaboration with Indian Accounting Association, Delhi Chapter, Delhi, January 14, 2017.</p> <p>Faculty Empowerment Workshop for Commerce Teachers on Computer Application in Business, Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi in collaboration with Indian Accounting Association, Delhi Chapter, Delhi, January 20-21, 2017.</p> <p>Faculty Empowerment Workshop for Commerce Teachers on Computer Practicals in Business Mathematics, Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi in collaboration with Indian Accounting Association, Delhi Chapter, Delhi, February 4, 2017.</p>

5.6. Faculty as Editors/ Reviewers/ Advisory

Faculty (Department)	Name of Journal/Committee
Dr. Urmi Bajpai (Biomedical Science)	Member of Department Research Committee (DRC), Dr B. R. Ambedkar Centre for Biomedical Research, University of Delhi, since 2008.
Dr. Gagan Dhawan (Biomedical Science)	Member, Board of Research Studies (Sciences) University of Delhi (February 2014- 2016). Member of the Committee of Courses for Post Graduate and Research Studies, Dr. B. R. Ambedkar Centre for Biomedical Research, University of Delhi.
Dr. Charu K Gupta (Botany)	Reviewer of Journal "Air, Soil and Water pollution" from Sage publications.
Dr. Sharanjit Kaur (Computer Science)	Editorial Reviewer Board member of International Journal of Data Mining, Modelling and Management, Inderscience Publishers.

Faculty (Department)	Name of Journal/Committee
Dr. Amit Garg (Electronics)	Editorial Reviewer Board member of Optics and Lasers in Engineering by Elsevier Inc., USA, American Journal of Optics and Photonics published by Science Publishing Group, USA , <i>The Science Education Review (SER)</i> , Australia, <i>Computer Application in Engineering Education</i> published by John Wiley & Sons, <i>IJoES-International Journal of Engineering Sciences</i> , India, International Research Journal of Engineering Science, Technology and Innovation (IRJESTI), European Journal of Physics Education
Dr. Anju Agrawal (Electronics)	Reviewer IEEE Transactions on Electronic Devices
Dr. Arijit Chowdhuri (Physics)	Reviewer of International Journal 'Sensors and Transducers' Reviewer of Journal "Air, Soil and Water pollution" from Sage publications.
Dr. Sarita Kumar (Zoology)	Editorial Board member of <i>The Open Access Journal of Science and Technology (UK)</i> , <i>Journal of Applied and Natural Sciences (Haridwar)</i> , <i>Asian Pacific Journal of Tropical Biomedicine (China)</i> . Reviewer in International Journals: <i>African Journal of Biotechnology (Nigeria)</i> , <i>Journal of Medicinal Plant Research (Nigeria)</i> , <i>Science Postprint (Japan)</i> , <i>MethodsX (UK)</i> , <i>Journal of Mosquito Research (Canada)</i> , <i>Asian Pacific Journal of Tropical Biomedicine (China)</i> , <i>Asian Pacific Journal of Tropical Diseases (China)</i> , <i>TANG Humanitas Medicine (Korea)</i> , <i>Tropical Biomedicine (Malaysia)</i> ; Reviewer in National Journals: <i>International Journal of Pharmacy and Pharmaceutical Sciences (Madhya Pradesh)</i> , <i>Indian Journal of Medical Research (New Delhi)</i>
Dr. Monisha Khanna Kapur (Zoology)	Reviewer of the <i>Indian Journal of Microbiology</i>

5.7. Other Achievements

Faculty (Department)	Achievement
Dr. Urmi Bajpai (Biomedical Science)	Member of Board of Studies committee (constituted by the Vice Chancellor of Central Haryana University) in the Deen Dayal Upadhyay Kaushal Kendra, Central Haryana University for development, revision and design of syllabus for B. Voc. Biomedical Science (2015, 2016). Co-ordinator of the Committee for rejuvenation of research and innovation (CRRi) in the college.
Dr. Seema Gupta Dr. Neeti Misra Dr. Manisha Jain (Chemistry)	Life Member, Indian Society of Analytical Scientists (Regd.), Delhi Chapter Life Member, Association of Chemistry Teachers
Dr. Sandeep Kumar Goel (Commerce)	Executive Committee Member, Indian Accounting Association
Dr. Sharanjit Kaur (Computer Science)	Member of Faculty of Mathematical sciences which reviews and approves course structure/syllabus etc. w.e.f November, 2014. Life time member of Computer Society of India (CSI).
Dr. Amit Garg (Electronics)	Member of the preliminary screening committee to shortlist potential Business Plans for “Electropreneur Park” that has been set-up to support start-ups in electronic design and manufacturing at University of Delhi, South Campus by a consortium comprising Software Technology Parks of India (STPI), under Union Ministry of Communications and Information Technology, and India Electronics and Semi Conductors Association India Electronics and Semi-Conductors Association (IESA) with an investment of Rs. 21 crore. Member, Society of Photo-Optical Instrumentation Engineers (SPIE), USA Member, Network for the Public Communication of Science and Technology (PCST), Australia Member, Optical Society of India
Dr. Mamta Bhatia (Physics)	Member, CII National Committee on Higher Education 2016-2017 Member, CII National Committee on Skill Development 2016-2017

Faculty (Department)	Achievement
Dr. Sunita Jetly (Biomedical Science) Dr. Pankaj Khanna (Chemistry) Dr. Vandana Uberoi (Chemistry) Dr. Geetu Gambhir (Chemistry) Dr. Anju Agrawal (Electronics) Dr. Subhash Kumar (Physics) Dr. Ravi Toteja (Zoology) Mr. Ravinder Kumar Sagar (Zoology)	Jury Member for National Level Exhibition and Project Competition (NLEPC)-2016 under Innovation in Science Pursuit for Inspired Research (INSPIRE) programme, Department of Science and Technology on December 10, 2016.
Dr. Arijit Chowdhuri (Physics)	Member of Institute of Electrical and Electronics Engineers (IEEE), USA Life member of Indian Association of Physics Teachers (IAPT, India) Life member of PSSI (Plasma Science Society of India)
Dr. Subhash Kumar (Physics)	Life member of PSSI (Plasma Science Society of India)
Dr. Rachna Joshi (Physics)	Life Member, Indian Association of Physics Teachers (IAPT)
Mr. Pawan Kumar (Physics)	Life member of PSSI (Plasma Science Society of India)
Dr. Sarita Kumar (Zoology)	Life member, Indian Science Congress, Delhi Chapter Life member, National Academy of Vector Borne Diseases, Bhubaneswar Life member, Indian Society of Parasitology, Lucknow
Dr. Monisha Khanna Kapur (Zoology)	Inclusion of the Microbial Technology Lab of Acharya Narendra Dev College in the research labs panel of NAMS&T Centre sponsored RTF-DCS programme Life Member, AMI (Association of Microbiologists of India) Life Member, Journal of Microbial World Life Member, Association of Teachers in Biological Sciences

5.8. Ph.D. Thesis Submitted by the Faculty

Faculty (Department)	Thesis Title and Year
Mr. Yasheshwar (Botany)	Effect of regulated deficit irrigation on morpho-physiological and biochemical processes of <i>T. agetes erecta</i> L. and <i>T. patula</i> L., 2017

5.9. Faculty Registered for Ph.D. Programme

Name/Department	University	Date of Registration
Mr. Manoj Kumar Garg (English)	Department of MILLS, University of Delhi	May, 2015
Mr. Vishal Dhingra (Electronics)	Department of Electronic Science, University of Delhi	December, 2014

5.10. Faculty Development/Training Programme Attended by Faculty

Faculty	Name of the Course	Organised by	Duration
Dr. Rashmi Sharma (Botany)	Attended Refresher Course in 'Life Science and Biotechnology	Human Resource Development Centre, Jawaharlal Nehru University, New Delhi	October 3 -28, 2016
	Attended Education Day organised by Proteomics Society of India	National Institute of Plant Genomic Research, New Delhi	December 12-13, 2016
Dr. Pankaj Khanna (Chemistry)	Faculty training programme in "Research project management-Proposal to publication and beyond".	Centre for Science Education and Communication, University of Delhi	July 19, 2016
Dr. Dinesh Kumar Arya (Chemistry)	Refresher course in convergence of Science.	Organised by HRDC, University of Rajasthan, Jaipur	July 18 -August 6, 2016
Dr. Vikrant Kumar (Chemistry)	Refresher course in Chemistry	Human Resource Development Centre, Jawaharlal Nehru University, New Delhi	January 2-27, 2017

Faculty	Name of the Course	Organised by	Duration
Dr. Ravneet Kaur (Electronics)	Faculty Development Programme on “Advances in Microelectronics and Plasma Diagnostics” (AMPD-2016)	Department of Applied Physics, Delhi Technological University, Delhi	August 29 - September 2, 2016
	Faculty Development Workshop on “Embedded Systems and Synthesis of Nano-Materials”	Department of Physics And Electronics and Internal Quality Assurance Cell, Hansraj College, University Of Delhi	January 6-7, 2017
Dr. Chandrakant Samal (Computer Science)	Refresher course in Information Technology.	HRD Centre Guru Nanak Dev University, Amritsar	June 23 -July 13, 2016.

5.11. Faculty on Leave

Name	Type of leave
Dr. Charu K Gupta (Botany)	Sabbatical leave with effect from August 1, 2016 - January 1, 2017 to carry out research work in the Department of Botany, Bangalore University, Bangalore
Dr. Sona P Kumar (Electronics)	Extraordinary leave for aperiod of one year w.e.f. April 9, 2016 (extended).

5.12. Research Publications by Faculty in Peer Reviewed Journals, National and International Conferences and Seminars

See ANNEXURE-I

5.13. Training/Workshops Attended/Other Achievements by Non-teaching Staff

Name	Programme/Achievement	Dates
Ms. Namrata Arora (Officiating Librarian)	International Library and Information Professionals Summit (LIPS-2016) From Ownership to Access: Leveraging the Digital Paradigm organized by Ambedkar University, Delhi. National Conference on Role of Libraries in Social	May 19-20, 2016
	Empowerment organized by Compact Society for Social Welfare and presented a paper on Digital India: digitization and its impact on the society held at Gandhi Peace Foundation, ITO, New Delhi.	October 21-22, 2016
Mr. Kamaljit Singh (Senior Assistant) Mr. Ashutosh (Assistant)	Training program on enhancement of skills in administrative and financial management	February 25, 2017

5.14. Scale Upgradation of Non-teaching Staff

The following non-teaching staff have been granted financial upgradation

S.No.	Name of Employee	Designation
1	Mr. Jai Narayan Meena	Office Attendant
2	Mr. Resham Bahadur G.C.	Office Attendant
3	Mr. Ravinder Kumar Pande	Senior Assistant
4	Mr. Tara Dutt Sharma	Lab Assistant
5	Mr. Manoj Kumar	Lab Assistant
6	Mr. Nitin Goswami	Lab Assistant
7	Mr. Brijesh Kumar Sharma	Lab Assistant
8	Mr. Rajesh	Lab Assistant
9	Mr. Pramod Kumar Bhatt	Lab Assistant
10	Mr. Amit Kumar Singh	Lab Assistant
11	Mr. Rakesh Kumar Dubey	Lab Assistant

S.No.	Name of Employee	Designation
12	Mr. Vinesh Kumar	Lab Assistant
13	Mr. Narender Kumar	Lab Assistant
14	Mr. Anand Kumar	Lab Assistant
15	Mr. Nitesh Kumar	Lab Assistant
16	Mr. Jai Prakash Sharma	Lab Assistant
17	Mr. Pardeep Kumar	Lab Assistant

6. COLLEGE ACTIVITIES

6.1. Star College Scheme

The Department of Biotechnology (DBT) has recommended for support under the strengthening component of the Star College Scheme to seven departments (Biomedical Science, Botany, Chemistry, Electronics, Physics, Zoology and Computer Science) of the College. Under the strengthening component of the Star College Scheme, DBT will provide a one time grant of Rs. 5.00 lakhs for each department and Rs. 2.00 lakhs per department under the recurring head for a period of 3 years.

The Scheme offers young scholars and faculty at the UG level an opportunity to excel in scientific research. The programme emphasizes on the holistic improvement of Science education at the undergraduate level with special emphasis on practical training. The initiative provides support for

- (a) Improving knowledge and skills of teachers in basic and applied sciences.
- (b) Providing specialized infrastructure to students.
- (c) Assuring a sufficient supply of consumables, reagents and chemicals for students.
- (d) Promoting critical thinking and providing substantial hands-on training to design and conduct experiments.
- (e) Increasing access to knowledge banks with strong support of books and journals including e-journal facilities.

6.2. Internal Quality Assurance Cell (IQAC)

The internal Quality Assurance Cell held its first meeting post NAAC accreditation on May 18, 2016. Two new external members, Dr. S. Lakshmi Devi, Ex-Principal, Shaheed Rajguru College of Applied Sciences, University of Delhi and Dr. Sambuddho Chakravarty (Alumni), Assistant Professor, Indraprastha Institute of Information Technology, Delhi were introduced.

The following quality enhancement programmes have been undertaken:

- Introduction of Skill Development Courses: The IQAC suggested to start some pilot courses run by National Skill Development Corporation (NSDC) that are industry recognized and can impart the desired skills in the students to take on jobs in various skill sectors in future with National Skills Qualification Framework (NSQF) level 4. The students' preference for the courses was collected through ERP. The

College is in the process of initiating skill enhancement courses in consultation with NSDC.

- Reinforcement of the Orientation Programme: Since the newly admitted students especially from the disadvantaged backgrounds, take time to know about the various schemes, financial aid and other facilities offered by the College, so this Year, the orientation programme was followed by four days of interaction 'Breaking Barriers' to accustom the students with the purpose and spirit of the College initiatives. Students were familiarised with the academic culture, co-curricular and extra-curricular activities, attendance rules, internal assessment criteria, add-on courses, skill development through research and entrepreneurship, grievance cell, students' council and choice based credit system introduced in the University of Delhi in 2015 through a visual presentation.
- Quality Improvement Discussion with NAAC expert from Tata Consultancy Services Limited (TCS): The internal members of IQAC held a workshop on September 16, 2016 with TCS expert on class room management tools, upload assignments, question papers and development of applications that will add value to existing pedagogical transactions through ERP.
- Workshop for teachers for online Attendance and Internal Assessment, e-content hosting and online assessment, online leave applications and leave record was conducted on January 9, 2017 in three sessions to improve administrative services and Teaching-learning process through College Automation Software.
- Semester attendance as well as internal assessment has been shared with the students on ERP. Online attendance as well as internal assessment for the ongoing even semester is being taken on ERP. This is also saving the paper used to display the attendance every month on notice boards.
- Students' feedback on college facilities: The feedback from students on infrastructure and other facilities has been collected and the report has been shared with the concerned committees to identify the areas requiring further improvement. Training workshops for the students of the College was held from February 8-10, 2017.
- Facilitating scholarship application and online fee payment services: The students applied for all the scholarships using a single window application system on ERP. A record number of applications were received. Students have been facilitated with online fee payment through ERP. This facility has also been extended to ex-students.

- Workshops by IQAC
 - i. Two-day Workshop on 'Gender Sensitization Amongst Youth' was organized on January 24-25, 2017 through Sashakt to understand gender based discrimination and violence (including sexual harassment at the workplace, corresponding laws and policies).
 - ii. One-day Accounts Functionaries Training Workshop 'Understanding Accrual System of Accounting' on January 24, 2017. Thirty three account functionaries from various colleges of University of Delhi, AUD and Sangeet Natak Academy participated in the workshop. The participants were introduced to the basics of accrual accounting, its benefits over cash accounting. Hands-on sessions were conducted to prepare various financial statements in accrual accounting, fee integration and other support functions. Participants were also apprised about personal taxation.
- Initiation of Academic and Administrative Audit: The IQAC held a meeting on February 22, 2017 with teacher-in-charges of all the departments to initiate the process of Academic and Administrative Audit.

6.3. Silver Jubilee Culmination Function: *Rajatotsav – Parinati*

Coordinators: Dr. Seema Gupta, Dr. Sanjeeta Rani and Dr. Ravi Toteja

Having been established in 1991, the College marked twenty five years of its grand existence with a year-long celebration involving a spectrum of activities. The Silver Jubilee festivities – aptly named –Rajatotsav, encompassed a slew of programmes including:

- Acharya Narendra Deva Memorial Lecture
- A rigorous hands-on workshop for school teachers having an in-built fun component
- Three-day exposition (Darpan) wherein display of best practices (recognized earlier by the University of Delhi) by way of various society / department exhibits, interactive open-day, grand alumni meet, inter-college quiz, debate, volleyball and street play competitions, inter-school debate and folk dance competitions were organized.
- An "Innovation Conclave" involving multi-disciplinary talks by eminent scientists in the frontier areas of Science, exhibit demonstrations and undergraduate student research presentations.
- Sports events for differently-abled athletes of national stature suitably inspired by Rio Olympic bronze medallist.

The events enumerated above were in tandem with the ethos of the College that seek to inculcate a sense of responsibility, creativity and scientific temperament besides academic excellence amongst its students.

Parinati was the curtain call denoting the official end of the magnificent year-long festivities that *Rajatotsav* epitomized. The culmination function had an inter-college para-athletic meet as the piece-de-resistance. This one-of-a-kind event at ANDC had the entire University taking notice and encompassed differently-abled undergraduate students from 13 colleges participating in various sports events including shot-put, 100 m dash etc. The participants were cheered by Professor Yogesh Tyagi, Hon'ble Vice Chancellor, University of Delhi, Mr. Varun Bhati, bronze medallist, Rio 2016 Para-Olympic games, Mr. Sandeep Singh Mann, Arjuna awardee, 2016 and Mr. Ankur Dhama, participant at Rio 2016 Para-Olympic games. Dr. Savithri Singh, Principal, in her maiden speech for the day, expressed her gratitude to the many illustrious luminaries for inspiring inclusive participation amongst all. Planting of a sapling thereafter by the Guests of Honour for the day commemorated the completion of 25 years besides symbolizing the perennial growth of the tree of knowledge.

A melodious rendition with heart-warming notes by the College choir under the tutelage of its music society *Dhun* was the icing on the cake when they elicited an invite from the Hon'ble Vice-Chancellor to perform at the University's convocation function.

The after-function had enthusiastic speeches from Mr. Ankur Dhama exhorting students to develop all round capability overcoming all physical and mental disabilities. Summing up, Chief Guest Prof. Yogesh Tyagi lauded the College for pioneering the organization of the para-athletics meet and expressed hope for its continuance as a regular feature in the entire University. He congratulated the College on its silver jubilee and expressed confidence that the College will live up to the great name of Acharya Narendra Deva – a celebrated educationist and noble soul of modern India. He emphasized that the completion of twenty five years is a proud milestone in the ongoing journey of the College which gives us an opportunity to take stock of our achievements over the years and exhorted the College to scale greater heights in the institution's quest for inclusive education, discipline, quality and commitment. He also extolled the virtues of the College that sets it apart from others including its major focus areas of UG & faculty research, Theatre, Entrepreneurship Cell & ANDY, NSS and OPEN.

Finally, to commemorate the silver jubilee celebrations, the College came out with a silver jubilee souvenir that consisted of a replica of the silver jubilee logo fabricated in silver. The Hon'ble Vice Chancellor, in his nobility, presented the souvenirs to the senior most employees of the teaching and non-teaching staff.

6.4. EXPLORE (Excursions for Peer Learning in an Open and Rejuvenating Environment)

Funded solely by the College, EXPLORE allows the second year students to undertake short trips, educational tours or field trips accompanied by their classmates and faculty. These trips rejuvenate the students and provide them unique experiences which hitherto were not available to many. This year, 32 students from the Department of Botany and 22 students from Life Sciences went to Jaipur and Ranthombore National Park for three days from March 4-7, 2017. It was an enriching experience as they enjoyed the flora and fauna of the place. In the words of these students, it was a memorable trip, the highlight being the sighting of the tiger.

6.5. DEPARTMENTAL ACTIVITIES

Department of Botany

TIC: Dr. Saumya Saxena

Tarumitra, the Botanical Society of the College, organised its annual festival 'Aranayam' on February 2, 2017. Prof. Pawan Kumar Dhar, School of Biotechnology, Jawaharlal Nehru University was the Chief Guest for the function. Prof. Dhar delivered a talk about the role of innovation in the growth of Science and left the audience with an open question, "Can we design our own genes?" Various events like poster making competition, biological quiz, Edufun games and street play were also organized. The theme for the entire event was genetics and genomics. Students from different colleges whole heartedly participated in these events.

The Department also organized an excursion to Kumta-Karwar-Murdeswar-Kali Tiger Reserve (Karnataka) from September 30-October 7, 2016 for the students of B. Sc. (H) Botany, III year to familiarise them with ecological management and conservation of biodiversity. During the visit, the students also got an insight into the rich cultural diversity and tradition that exists in the country.

Department of Chemistry**TIC: Dr. Vandana Uberoi**

The Department of Chemistry conducted a concept test in Chemistry for undergraduate students (ACT-CONTECH) organized by the Association of Chemistry Teachers (ACT) C/o Homi Bhabha Centre for Science Education (TIFR), Mumbai at the national level. *Abhikriya*, the chemistry society held its fest on March 25, 2017 in collaboration with International Union of Crystallography. Professor D.S. Desiraju from IISc Bengaluru, delivered an inspirational lecture on crystallography where he shared his immense knowledge and experience with the students. The fest featured a quiz (*Abhiquest*), debate (*Abhitark*), rangoli (*Abhichitra*) and fun games (*Abhivyang*).

Department of Commerce**TIC: Ms. Sadhana Gupta**

Vanijya – the Commerce Society of ANDC, took a new initiative to organize ‘Let’s Talk’- an interactive session on the hottest economic and business related issues and developments on October 7, 2016 to promote liberty, energy, enthusiasm and provide students with the opportunity to explore and rediscover them, not just by listening to a lecture but by interacting, asking about the basics and the framework of policies in the economy. This provided a platform to the students to showcase their Commerce and Economics related knowledge.

Further, the Society organized ‘CorpoMaze 2017’ – the annual Commerce Fest on February 6, 2017. The fest took off with a lecture by Mr. Anuj Bhasin, Regional Marketing Manager of ICICI Securities Pvt. Ltd. on the topic ‘A Port Key to the Stock World’, followed by events like Prometheus (an open quiz for the students), Game Of Stocks (A mock stock round and a quiz about the stock market) and Plan It Right (the participants were given a certain product for which they had to prepare a business plan to produce and sell the product, the target market, the cost reduction techniques etc.). The last event of the day, The Perfectionist, was meant to see how a person faces the corporate situation in daily life. The festival received active participation from the students of our college as well as those belonging to other colleges.

Department of Computer Science**TIC: Dr. Vibha Gaur**

‘The Turing Society’ organized its inaugural function on October 3, 2016. A talk on ‘Research Issues on Automatic Computing’ was delivered by Dr. Arun Sharma, Deputy

Dean (Information Affairs) and Associate Professor (IT Department, Indira Gandhi Delhi Technological University for Women, Delhi).

The FOSS club and IT Committee organized a FOSS and Linux familiarization workshop for all the first year students of the College during July 21-25, 2016. Two sessions were held on each day to cover the entire college. The Faculty members of the Department of Computer Science and the students of B. Sc. (H) Computer Science and B. Sc. Physical Sciences acted as resource persons. Topics like Introduction to Foss/Linux, Comparison of Linux and Windows, Linux commands and Shell scripting, Open Office and Gimp were taken up.

In collaboration with the spoken tutorial project, IIT Mumbai, the Computer Science Department conducted the FOSS (Free and Open Source Software) SELF (Spoken Tutorial Based Education and Learning through Free FOSS Study) training from August 2016 to October 2016 in softwares like PYTHON, LINUX, LibreSuite, PHP or MYSQL and GIMP, Latex, C++ and Advanced C++. The students who cleared the test were given appreciation certificate by the Spoken Tutorials team. With easy to follow steps, clear examples and regular assignments, provided at the end of each tutorial, a decent foundation of the software has been made possible through these tutorials. Further, these workshops gave knowledge of LaTeX which helped the students to be proficient in report writing and Mathematical-typesetting.

Department of Mathematics

TIC: Dr. Sadanand Prasad

The Department organized a workshop on LaTeX and HTML for teachers on August 27, 2016 along with hands on practice sessions to enable the teachers to impart the experience of Tex writing and creating web page quality education to students under the CBCS course. Prof. V. Ravichandran, Department of Mathematics, University of Delhi and Dr. R. K. Vyas, ICT Coordinator, Institute of Lifelong Learning, University of Delhi were the eminent speakers. Prof. V. Ravichandran delivered a talk on LaTeX along with hands on practice while the talk along with hands-on practice on HTML was delivered by Dr. R. K. Vyas. There were more than 80 participants in this workshop from various colleges of the University of Delhi and other universities.

Department of Physics

TIC: Mr. Pawan Kumar

The students of B. Sc. (H) Physics participated in a workshop titled 'Observing

Nuclear Processes from Zepto-second to Pico-second time-scale at Inter University Accelerator Center on February 18, 2017. Physentropy, the Physics Society of the College, celebrated National Science Day on February 28, 2017 by participating in the scientific activities and programmes held at Inter University Accelerator Centre, New Delhi. The theme for National Science Day 2017 was 'Science for Nation Building'. The students participated in the Science Quiz organized by IUAC and Priya Chopra, Jatindar Pal and Tarun Yadav of B.Sc. (H) Physics, II year got prizes. The students were told about the research facilities available at IUAC campus.

Department of Zoology

TIC: Dr. Monisha Khanna Kapur

The Department focuses on imparting knowledge via educational trips. The following educational trips were organized for the students:

- On September 20 and September 23, 2016 field trips to Yamuna Biodiversity Park were organized for the B. Sc. (H) Zoology final year and first year students respectively. While visiting the Biodiversity Park, the students were introduced to important issues such as the need to preserve biodiversity and the various strategies that are employed for its conservation.
- The second year students, who had opted for Apiculture as their Skill Enhancement Course, were taken for an educational trip to IARI, Pusa on September 9, 2016 and to Pantnagar from November 3-5, 2016 where they were shown industrial-scale equipment and processes involved in apiculture.
- An educational trip for B.Sc. (H) Zoology final year students was arranged on 22 February, 2017 to IARI, Pusa. The trip was undertaken as part of the Applied Zoology curriculum. The students visited laboratories with the latest equipment involved in scientific research in the area of Applied Zoology.

The annual fest, *Zoomania*, of the departmental society, *Niche*, was organized on February 21, 2017. The event was inaugurated with an educational lecture by Prof. Shibnath Mazumder from the Department of Zoology, Delhi University. In his lecture titled, 'The Good, the Bad and the Ugly of the Immune System', Prof. Mazumder discussed the basic mechanisms governing immunity, hypersensitivity reactions and autoimmunity. Besides the lecture, the celebrations also included events like extempore speech competition, poster making competition, Wordmania and quiz.

6.6. Staff Council Committees

See ANNEXURE II

6.6.1. Report of Staff Council Committees

6.6.1.1. Annual Academic Events Committee

Convenor: Dr. Seema Gupta (Department of Chemistry)

The College celebrated its Annual Day on April 21, 2016 in a grand manner as the College was celebrating its silver jubilee year. Director General, CSIR, Dr. Girish Sahni was the Chief Guest of the occasion and Sh. Rajiv Chaudhary, Chairman, Governing Body was the Guest of Honour. The Principal, Dr. Savithri Singh, presented the Annual Report which highlighted the activities of the various departments and societies in the College as well the individual achievements of faculty members and students. Dr. Girish Sahni appreciated the College initiatives, especially in the field of research and the achievements of the students and faculty members. After the distribution of prizes, the guests visited the theatre gallery and the research laboratories of the College. Dr. Sahni extended the opportunity for undergraduate students to do research projects at CSIR.

6.6.1.2. Orientation Day

Convenor: Dr. Pooja Bhagat (Department of Chemistry)

An orientation programme for the first year students was organised in four sessions on July 20, 2016. Students were familiarised with the academic culture, co-curricular and extra-curricular activities, attendance rules, internal assessment criteria, add-on courses, skill development through research and entrepreneurship, grievance cell, students' council and choice based credit system introduced in the University of Delhi in 2015 through a visual presentation. Afterwards, the Principal and the convenor of the various committees addressed the students in each session. This year, the orientation programme was followed by four days of interaction 'Breaking Barriers' from July 21-25, 2016 to acquaint the students with the purpose and essence of the college initiatives. The whole activity was clustered into 6 groups with a 3 hour session on

1. Linux Workshop
2. Theatre Workshop

3. Against Sexual Harassment and on Counselling
4. ERP
5. Research, Entrepreneurship, Think Lab and NSS
6. Talent hunt among freshers

6.6.1.3. National Service Scheme (NSS)

Convenor: Dr. Geetika Kalra (Department of Botany)

The NSS wing of the College works in tandem with the ethos of NSS—“Not Me but You”. This year, more than 400 students registered for NSS. A team of NSS volunteers worked enthusiastically during the admission process in the College to guide and help the parents and students visiting the campus, ensuring a hassle free admission process. NSS celebrated International Yoga Day on June 21, 2016 by doing a one-hour yoga-session and taking a pledge to incorporate yoga in their lifestyle. The NSS team continued with the pledge of *shram daan*. Many cleanliness drives were carried out inside and outside the college campus under *Swachch Bharat Abhiyaan*. *Swacchta Pakhwara* was organised from August 15-31, 2016. The event was marked by rallies for creating awareness in the neighbourhood of the College. Some NSS members also visited the adopted villages and schools. A poster making competition was organized in the schools of these villages to create awareness about cleanliness and sanitization. The volunteers also carried out cleanliness drives in these schools and villages.

NSS Day was celebrated with much enthusiasm on September 26, 2016. The day started with an excellent street play on drug addiction, abuse and menace by the active volunteers. This was followed by a march in the college premises to promote awareness about drug menace and to emphasise the need for a tobacco free Delhi. In collaboration with Thyrocare Technologies Ltd., a day long camp for thalassemia screening was also organized for students and faculty members in the college premises. In its effort to continue the thalassemia initiative, 14 students voluntarily donated blood.

The annual Diwali Mela (*SAHYOG*) was organised on October 21, 2016 where several NGOs working to strengthen the spirits of the underprivileged participated. The event was a tremendous success and an amount of Rs.1,00,000/- was raised for the NGOs. A week long (October 31-November 6, 2016) programme was planned to commemorate *Rashtriya Ekta Divas* (Unity Day) to manifest the unity in diversity of India.

Four students along with the Programme officer, Dr. Geetika Kalra, attended a two day (December 13-14, 2016) residential workshop, 'Reimagining NSS', conducted by Pravah in collaboration with UNFPA.

A programme for inspiring the youth and familiarising them with Swami Vivekananda's life and teachings was held on National Youth Day (January 12, 2017).

In an effort to fight corruption, NSS members are visiting rural areas and small local vendors and making them aware about many apps and their benefits. This has been taken up under the *Vittiya Saksharta Abhiyan*.

The NSS members also volunteered to work with Muskan, an NGO, and helped to boost the NGO's sales (of goods made by mentally-challenged children). They sensitised the society about these children.

6.6.1.4. Eco Club *Paritantra*

Convenor: Dr. Seema Gupta (Department of Chemistry)

The Eco Club organized a workshop on 'Segregation of Recyclable Waste and Management at Source' on October 6, 2016. The aim of this workshop was to sensitize the students and staff about reducing the burden on landfills, keeping the environment clean, conserving natural resources and saving energy. The housekeeping and laboratory staff of the College also attended the workshop along with the students. A resource person from POM POM Recycling Private Limited that pays for recyclable trash gave a presentation on the importance and process of waste segregation. Pamphlets listing the various categories of waste were distributed amongst the students. The gathering took an oath to protect the environment, keep the city beautiful and reduce the burden on garbage landfills.

Paritantra raised a common voice to make the environment eco-friendly and not to spoil the holy spirit of Diwali celebrations in a chaotic display of firecrackers. An anti-cracker campaign was organized on October 21, 2016. During the event, a rangoli making competition was organized based on the 'Say No to Crackers' theme. Instead of giving a cash prize, the winning teams were asked to purchase items of their choice worth the amount from the Diwali Mela Sahyog organized by NSS and EOC of the College on the same day.

An anti-cracker rally was also organized by the students to spread the message of avoiding crackers during Diwali. The students marched, holding banners denouncing the use of crackers from the college campus to Govindpuri residential area, market

area and metro-station to educate children and residents about the ill effects of burning crackers. The students carried placards and raised slogans to cultivate a sense of duty towards society and making human life better.

The Centre for Environmental Health, Public Health Foundation of India (a partnership between PHFI and the Tata Institute of Social Sciences) with support from the Wellcome Trust, U.K. and DBT India Alliance conducted an environmental health sensitization workshop for the undergraduate students of the College to raise awareness towards addressing the health threats posed by various environmental exposures. At the workshop, researchers had discussions with the students on various environment health issues, such as, climate change, e-waste, pesticides, air pollution, water pollution through presentations, lectures and discussions. Through the workshop, researchers urged the students to educate themselves on public health issues, spread awareness and become champions of environmental health. The students also proposed various creative and innovative ways to engage with the society about environmental health. The volunteers of the Eco Club initiated the practice of segregation of recyclable waste on February 17, 2017 in the College and sold them to POM POM Pvt. Ltd. in their trash to cash scheme.

6.6.1.5. *Sashakt*

Convenor: Dr. Manisha Jain (Department of Chemistry)

The *Sashakt* team coordinated one of the sessions of a four-day orientation workshop entitled 'Breaking Barriers' organized by the College for the first year students. The workshop was devoted to creating awareness about sexual harassment amongst youngsters. Speakers from WSS - Women against Sexual Violence and State Repression were invited for eight such sessions in the entire workshop to address the students on the topic. The speakers were Ms. Payal Agarwal and Ms. Nandini Rao (WSS), Ms. Devangana (WSS, *Pinjra Tod*), Ms. Ritambhara and Ms. Bhawna (WSS, *Nazariya*) and Ms. Chetantya (WSS, *Mehnatkash Mahila Sangathan*). The sessions were interactive in nature, allowing students to be involved in group activities and present their views also.

Sashakt organised its Inaugural Day on September 21, 2016. The day commenced with a street play entitled *Kuchh Baat Ho* by Black Pearl Arts (Cultural and Welfare Society Regd. Ghaziabad) in the college campus. The play raised issues pertaining to women's empowerment. A competitive group discussion on the topic 'Comedy Shows: Male

Actors Playing Female Characters: Is it Really a Comedy?’ was organized. Priya Kaushal and Sakshi Saraswat from B. Com. (H), I Year and B. Sc. (H) Zoology, I Year were 1st and 2nd prize winners, respectively. A poster competition on the topic ‘Faces of Women’ was the third event of the day. The poster made by Deepak Sahani, B. Sc. (H) Biomedical Science, I Year was the most appreciated poster. Sashakt constituted a Gender Champions Club on January 10, 2017 as per the directives received from the UGC. The formation of Gender Champions Club in educational institutions is a joint initiative of the Ministry of Women and Child Development and Ministry of Human Resource Development. Gender champions are envisaged as responsible leaders who will facilitate an enabling environment within their schools/colleges/academic institutions where girls are treated with dignity and respect. The Gender Champions Club in ANDC was formed after a formal interview of the applicants by a well defined selection committee constituted as per the guidelines. The Club has five active Gender Champions: Ankit Pant (B. Tech. Computer Science, IV Year), Nishita Rana (B. Sc. Life Sciences, III Year), Vaibhav Srivastava (B. Sc. (H) Chemistry, II Year), Mamta Kumari (B. Sc. Physical Science with Computer Science, II Year) and Priya Kaushal (B. Com. (H), I Year).

Sashakt organized a two-day workshop on ‘Gender Sensitisation amongst Youth’ on January 24-25, 2017 for the second and third year students of ANDC. The workshop aimed at creating awareness about gender equality among the youth. The resource persons, Ms. Manasa Priya Vasudevan and Ms. Reena were from YP Foundation which is a youth-led and –run organization that supports and enables young people to create programmes and influence policies in the areas of gender, sexuality, health, education, arts and governance. The activity based workshop included discussions and activities on topics like: Gender and Sex, Gender Identity, Sexual Orientation, Tracing the Locus of Power in Society, Gender based Discrimination and Violence (including sexual harassment at the workplace, corresponding laws and policies etc.). 59 ANDC students participated in the workshop.

Sashakt organized a court visit for its Gender Champions and Students’ Council members to the Saket Court Complex on the invitation of the South East District Legal Services on February 20, 2017. The two hour visit involved introduction of the DSLSA activities, visiting Mahila Courts and Fast track Courts to observe the functioning of the court, visiting the vulnerable witness room and mediation centre, talk by Traffic Police Inspector and interaction with Ms. Poonam Bamba, Chairperson, South East

DSLSA. Students were given an opportunity to interact with Metropolitan Magistrate, Ms. Chetana Singh heading the Mahila Court and Additional Sessions Judge, Mr. Sanjeev Jain heading the Fast Track Court.

Sashakt celebrated International Women's day on March 8, 2017. To create awareness about women's empowerment and gender equality, a student's rally was organized in Govindpuri, the residential area surrounding the College. Other activities for the day included a quiz on the same theme, free expression of thoughts on gender related issues and encouraging all college students to wear badges with slogans related to women's empowerment for the whole day.

6.6.1.6. Canteen Committee

Convenor: Dr. Rajesh Chaudhary (Department of Biomedical Science)

The canteen is a happening place which is relished more if varieties of dishes are available at affordable prices. A fundamental change was made to the concept of having a single contractor and it was converted to a multi-vendor food complex. Variety, quality, food availability, hygiene came as incentives. North Indian, South Indian, Chinese, fresh fruit juice, fruits, vegetarian dishes, ice creams and routine non-perishable, packed items are available in the college canteen.

6.6.1.7. Dhvani

Convenor: Dr. Geetu Gambhir (Department of Chemistry)

Dhwani, the theatre society of the College, conducted an orientation workshop in groups for first year students on July 21-25, 2016. It was a one-hour workshop for every group having 70-80 students each, which gave a brief experience of what theatre is all about. Some interesting theatrical exercises were performed along with fun games. The students were told about the events that *Dhwani* organizes throughout the year.

This year, *Dhwani* scripted, directed and performed 2 street plays in collaboration with the NSS Unit of ANDC. The first street play was performed on August 16, 2017 during the *Swachhta Pakhwada* organized by the NSS Unit and the second street play was performed on September 24, 2016 on the occasion of NSS Day. *Dhwani* performed in the prelims of the street play competition of Rendezvous – the annual cultural fest of IIT, on October 22, 2016. New proscenium Tamasha, made it to the

finals of the stage play competition in Rendezvous. Dhvani also participated in the stage play event 'Third Bell' in Mood Indigo 2016, the annual cultural festival of Indian Institute of Technology, Bombay. Amongst the 50 teams that were selected after the prelims, our college team made it to the best 5 teams all over India.

The Annual Theatre Production *Ajab Nagaria Gajab Tamasa* was staged on February 28, 2017 and March 1, 2017 at Sri Ram Centre, Mandi House. The play was designed and directed by renowned theatre personality, Mr. Ajay Manchanda; scripted by Mr. Anis Azmi and Mr. Ajay Manchanda. Dr. Shalini Baxi, Deputy Dean, Culture and Youth Affairs, University of Delhi was the Chief Guest on February 28, 2017. Dr. Baxi commended the acting skills of the students and the high standards of the production. Ms. Garima Gupta, IAS, Director, Higher Education, Govt. of N.C.T. of Delhi was the Chief Guest on March 1, 2017. Ms. Gupta wholeheartedly appreciated the performance of the students for their lively portrayal of the play's characters.

The Annual Street Play Competition of ANDC was held on March 4, 2017 as part of the annual cultural fest *Leiothrinx* 2017. Teams from 6 colleges participated. The street plays portrayed scenes focusing mainly on anti nationalism and the development of India. The competition was judged by esteemed personalities associated with National School of Drama - Ms. Neelam Gupta and Mr. Ajay Manchanda.

Dhwani, scripted, directed, designed and performed a street play entitled Earth-Shastra about the changes in the environment on February 23, 2017 on the occasion for the 59th Annual Flower Show held at the University of Delhi.

6.6.1.8. North-East Cell

Convenor: Dr. Subhash Kumar (Department of Physics)

For the last many years, Acharya Narendra Dev College had a forum for periodical deliberations on issues and concerns related to students from the North-East region and also to give students from the NE due representation in the College. These concerns may be related to a variety of matters including adapting to life in Delhi and the demands of college life. This forum also strives to promote awareness and celebrate the region's unique and magnificent cultures. With these objectives and under the aegis of "Ek Bharat Shrestha Bharat" programme of the Government, the College formally inaugurated the the North-East Cell of the College on March 2, 2107 in the Seminar Hall. Dr. K. Ratnabali from the Law Faculty who is also the Deputy Dean

Legal Affairs, University of Delhi was the Chief Guest of the function. On this occasion, she delivered a talk titled 'Promoting Respect for Diversity and the Role Colleges Can Play'. This talk underscored the unity of cultures while celebrating diversity. She also suggested myriads of ways in which the North-East Cell can enrich the college life of not only students hailing from the North-East but also all the students of the College. A short cultural event was also organised on this occasion wherein ANDC students hailing from the NE presented a group song and there was a solo singing performance by Nuai Deb Burman of B. Sc. (H) Physics, III Year.

The North-East Cell strives to be a window to the north eastern region of India by showcasing the rich culture and traditions of the North-East. In the true spirit of *Ek Bharat Shrestha Bharat*, the North-East Cell presented a unique fashion show at the annual cultural festival of the College *Leiothrixx-2017* on March 3, 2017. This event showcased the costumes of all the 8 states of the North-East in a very elegant manner. The NE cell also participated in the group dance event of the College Fest on March 4, 2017. They presented the famous *Rongmei* dance of the *Rongmei* tribe of the North-East. The *Rongmeis* are an indigenous Naga tribe living in the state of Assam, Manipur and Nagaland. The dance presented in the College was a harvest dance which depicted sowing, cutting, thrashing and winnowing by the *Rongmei* community. The North-East Cell strives to make ANDC a truly multi-cultural and inclusive institution through a series of activities throughout the year.

6.6.1.9. Library Committee

Convenor: Dr. Ravi Toteja (Department of Zoology)

The college has introduced Radio Frequency Identification (RFID) based Library Management System that allows faster transactions for the library. It was inaugurated by the chairman on August 19, 2016. Self-checkout service and external book return/book drop station are great ways to avoid queues at the Circulation/Reserves Desk during peak periods. A two day Annual Book Exhibition from September 20-21, 2016 was held in the college library for the faculty and students. A lot of publishers and book sellers participated in the exhibition and displayed their books in the library. The response of the students, faculty and staff was overwhelming. Approximately 630 books and 2 journals were added to the library this year. The total numbers of books, journals and magazines in the library have now reached 29679, 18 and 10 respectively.

6.6.1.10. Equal Opportunity Cell (EOC)

Convenor: Mr. Manoj Kumar Garg (Department of English)

To mark the culmination of the year-long Silver Jubilee Celebrations of the College, the Equal Opportunity Cell together with the Sports Committee, organized an Inter-college Para-athletics Meet for the *Divyang* students of the University of Delhi on November 8, 2016. Following are the results of the various events:

100m Men One Hand

Rank	Name of the Student	Name of the College
1st	Vinay Bhadana	School of Open Learning
2nd	Himanshu	Dyal Singh College
3rd	Anand Kr. Pandey	Acharya Narendra Dev College

100m Men One Leg

Rank	Name of the Student	Name of the College
1st	Yogesh Kathuniya	Kirori Mal College
2nd	Mohit Singh	S. G. T. B. Khalsa College
3rd	Jaineet Shakti	Acharya Narendra Dev College

100m Men Partial Blind

Rank	Name of the Student	Name of the College
1st	Sarvjeet Singh	Shaymlal College
2nd	Vaibhav	Dyal Singh College (Morning)
3rd	Harender	School of Open Learning

100 m Men Totally Blind

Rank	Name of the Student	Name of the College
1st	Vickey Kumar	St. Stephen's College
2nd	Rohit Pandey	Satyawati College (Evening)
3rd	Surya Prakash	St. Stephen's College

100m Men Wheel Chair

Rank	Name of the Student	Name of the College
1st	Sudhir	School of Open Learning
2nd	Neel Kamal	School of Open Learning
3rd	Dushyant Singh Bhati	Acharya Narendra Dev College

Shot Put Men One Hand

Rank	Name of the Student	Name of the College
1st	Himanshu Otwal	Dyal Singh College
2nd	Vinay Bhadana	School of Open Learning
3rd	Anand Kr. Pandey	Acharya Narendra Dev College

Shot Put Men One Leg

Rank	Name of the Student	Name of the College
1st	Mohit Singh	S. G. T. B. Khalsa College
2nd	Jaineet Shakti	Acharya Narendra Dev College
3rd	Yogesh Kathuniya	Kirori Mal College

Shot Put Men Partial Blind

Rank	Name of the Student	Name of the College
1st	Vaibhav	Dyal Singh College (Morning)
2nd	Govind Kaushik	Ramjas College
3rd	Sarvjeet Singh	Shyamlal College

Shot Put Men Totally Blind

Rank	Name of the Student	Name of the College
1st	Surya Prakash	St. Stephen's College
2nd	Rajkumar Giri	Satyawati College (Evening)
3rd	Rohit Pandey	Satyawati College (Evening)

100m Women One Hand & One Leg

Rank	Name of the Student	Name of the College
1st	Deepa Napeet	Kalindi College
2nd	Kriti Bisht	Kalindi College
3rd	Deepti	Miranda House

100m Women Partial Blind

Rank	Name of the Student	Name of the College
1st	Gulshan	Miranda House
2nd	Puja	Lady Shri Ram College for Women
3rd	Nisha Devi	Miranda House

100m Women Totally Blind

Rank	Name of the Student	Name of the College
1st	Suman	Lady Shri Ram College for Women
2nd	Shivangi	Lady Shri Ram College for Women
3rd	Honey Sharma	Miranda House

Shot Put Women One Hand & One Leg

Rank	Name of the Student	Name of the College
1st	Deepti	Miranda House
2nd	Kriti Bisht	Kalindi College
3rd	Deepa Napeet	Kalindi College

Shot Put Women Partial Blind

Rank	Name of the Student	Name of the College
1st	Gulshan	Miranda House
2nd	Puja	Miranda House
3rd	Shweta	Lady Shri Ram College for Women

Shot Put Women Totally Blind

Rank	Name of the Student	Name of the College
1st	Suman	Lady Shri Ram College for Women
2nd	Honey Sharma	Miranda House
3rd	Shanti Chaurasia	Miranda House

6.6.1.11. Tark, the Debating Society**Convenor: Mr. Manoj Kumar Garg (Department of English)**

Tark, the Debating Society, organized an inter-departmental debate competition on October 27, 2016. The Department of Zoology (ANDC) won the running trophy.

6.6.1.12. Sports Committee**Convenor: Dr. Laxmi Narain (Department of Mathematics)**

Building on the success of the previous year, the Sports Committee managed to take sports to a new high. Dr. Satyapal Singh, the youngest Dronacharya awardee and the chief coach, with the help of specific coaches (guest faculty) trained the students for enhancing sports activities in the college. To enhance the sports activities and for better coordination, a sports president and 11 team coordinators were selected from amongst the students. A sports league was organized from October 6-November 5, 2016. It started with flag march and oath taking ceremony requesting students to play with sportsmen spirit. The main purpose of the league was to increase the zeal for sports among students and enhance their physical fitness. It helped students in boosting their confidence. The Sports Committee of the College organized the following events:

1. ANDC Silver Jubilee Inter-college Para-Athletics Meet, 2016 on November 8, 2016 on the occasion of the culmination of the silver jubilee year. This event was the first of its kind in the University of Delhi. It was organized with great enthusiasm and more than 100 para-athletes from various colleges of Delhi University participated. Prof. Yogesh K Tyagi, Vice Chancellor, University of Delhi was invited as the Chief Guest of the function.
2. Intra-college Sports Tournament, 2016-17 – More than 600 students took part in the tournament.

3. Sports Day was organized with great enthusiasm on February 17, 2017. Ms. Kavita Chahal, two time world championship medalist, 4 times Asian medalist and *Arjuna* Awardee (2013) was the Chief Guest of the function. Sports competitions for teaching and non-teaching staff were also organized which included 100m men and women's race, shot-put and volleyball competition. Thereafter, prizes, trophies, certificates and t-shirts were given away by Ms. Kavita Chahal and the Principal to the winners and runners-up. Abhishek Malik (B. Tech. Computer Science IV Year) was awarded as the Best Sportsman and Aditi (B. Sc. (H) Mathematics) as Best Sportswoman of the year. B. Com. (H) lifted the overall winner's trophy and B. Sc. Physical Sciences lifted the runners-up trophy.

The following college teams participated in the Delhi University Inter-college Sports Tournament, 2016-17:

1. Athletics (Men & Women): - Won silver medal in Javelin Throw (Men) – Abhishek Malik B. Tech. Computer Science, IV Year
2. Cricket (Men): - Second round.
3. Football (Men): - Second round.
4. Volleyball (Men): - Second round.
5. Volleyball (Women): - Second round.
6. Basketball (Men): - First round.
7. Badminton (Men)
8. Badminton (Women)

The Teaching Staff cricket team of the College won the following trophies during cricket tournaments in the year 2016-17:

1. Runners-up Trophy in Shaheed Bhagat Singh Memorial Cricket Tournament 2016.
2. Runners-up Trophy in Shri Venkateswara College Cricket 2016.
3. Runners-up Trophy Shaheed Bhagat Singh College Golden Jubilee Cup 2017.

7. SKILL INDIA INITIATIVES @ ANDC

It is a matter of great honour for the College that it has been sanctioned an Incubation Centre by the Department of Training & Technical Education (DTTE), Government of NCT of Delhi with a grant of Rs. 1.5 crores. Thus, the College is privileged to join the elite group of educational institutions which have been sanctioned funds for setting up of Incubation Centres in Delhi. The project is initially for a period of three years with an annual grant of Rs.1.5 crores.

As part of this sanction, the College needs to set-up a company under Section 8 of the Company Act. The proposed name of the company is inStart Foundation @ ANDC. The process has been initiated to set-up the company. The prime aim of the company is to foster a culture of entrepreneurship, start-ups and intellectual property creation that can lead to value creation, jobs and employment and engage in social and economic upliftment.

As part of the ongoing initiative under UDGAM Business Incubator at ANDC, MSME has approved the sanction and release of their share of grants for the following two projects:

Name of Project	Name of Incubatee
Holographic Embossing Industries	Dr. Sanjay Kumar
Organic Cosmetics	Mr. Deepak Verma

UDGAM BI has also completed the second phase of screening of invited proposals. There were 18 proposals received in the second phase. The screening committee consisting of Dr. Amit Garg, Associate Professor, Department of Electronics. Dr. P. K. Pandey, Associate Professor, Department of Electronics, Maharaja Agrasen College, Mr. Vishal Dhingra, Assistant Professor, Department of Electronics has shortlisted proposals for onward evaluation by the advisory committee.

8. INTERNAL COMPLAINTS COMMITTEE

The College has an Internal Complaints Committee (ICC) with the following composition:

1. Dr. Manisha Jain, Associate Professor (Department of Chemistry) – Presiding Officer
2. Dr. Sanjeeta Rani, Associate Professor (Department of Physics)
3. Dr. Roopesh Tehri, Associate Professor (Department of Mathematics)
4. Professor Vibha Maurya (External Member)
5. Ms. Kanika Chaddha, Museum Curator
6. Mr. Rajesh, Laboratory Assistant

Status Report of ICC as on March 7, 2017

Complaints of sexual harassment received	Nil
Nature of the act of sexual harassment	NA
Number of complaints disposed of	NA
Number of complaints disposed of within time	NA
Number and type of training workshops organized	
Self defence training	Nil
*Workshop cum interactive session on sexual harassment and women's issues	02
*Awareness programme on safety and gender equality	02
Methods adopted in awareness programme	Visit to Court, Posters, Quiz, Group Discussion and campaigns for the expression of thoughts

*The details of workshops and awareness programme (court visit) are enlisted in the report of Sashakt

9. ADD-ON COURSES

Each student in the College comes from a different socio-economic background and hence has his/her own strengths and weaknesses. At ANDC, we have several students who come from a disadvantaged background. We, at ANDC, try to provide each student opportunities for her/him to overcome her/his weaknesses. To achieve this, various add-on courses are arranged by the College every year.

9.1. Effective Communication and Personality Development through Theatre (ECPDT)

Course Coordinator: Dr. Sandeep Kumar Goel and Dr. Geetu Gambhir

ECPDT is a short term add-on course which got inception in the College in 2008 to inculcate dynamic life skills in students and to nurture their creative potential. The course aims to develop confidence and zeal in the students by honing their interpersonal and communicative abilities using various theatrical tools as acting, improvisations and scripting which empower students with ability to take decisions analytically, boosts up their rationale and builds up their confidence. The course is designed, directed and conducted by Mr. Ajay Manchanda, an eminent theatre personality who has modelled the course on the philosophy of education advocated by the UNICEF and WHO wherein intellectual and practical exercises are organised to sharpen the students' imagination, increase their mental, emotional and physical dexterity so that they are able to perform under stress and leverage their talent by overcoming their fears and flaws. The students have the privilege of being coached by theatre personalities well acclaimed in their domain as Prof. Abdul Latif Khatana, Ms. Neelam Gupta, Ms. Nalini R Joshi, Mr. Bhumikeshwar Singh, Mr. Avtar Singh Sahni, Mr. Hafeez Khan and Mr. Sahil Vaid.

The College started its 8th ECPDT batch of 32 students with Dr. Sandeep Kumar Goel and Dr. Geetu Gambhir as the course convenors in January, 2017, the classes of which have been organised every Saturday (3 p.m. – 6 p.m.) and Sunday (9 a.m. – 12 noon) spreading over two months. The culmination function of the course was held on March 20, 2017. Professor Vinay Gupta, Dean Examinations, University of Delhi was the Chief Guest. The programme was attended by the parents and friends of the participants. Everyone applauded the efforts put in by the students.

9.2. Foreign Language Courses

Course Coordinator: Dr. Geetu Gambhir

The Foreign Language Centre of the College offers self financed one year part-time certificate and diploma courses in French, German, Spanish and Russian (only Diploma) that is recognized by the University of Delhi. In the previous academic year, the pass percentage of students in these courses was 80 percent. There were over 50 students admitted in each of the certificate courses of French, Spanish and German Languages and more than 20 admissions in the Russian certificate courses. The Diploma course in Spanish and Advance Diploma in German had 15 admissions each.

9.3. Certificate Course in Bioinformatics and in silico Drug Discovery

Course Coordinator: Dr. Gagan Dhawan

The College has successfully organized three batches of the 128-hour add-on course on Bioinformatics and in silico Drug Discovery. The total number of students enrolled for the third batch of the course was 50. Students from various departments of the two colleges viz. Acharya Narendra Dev College and Bhaskaracharya College of Applied Sciences participated in the course. The Department of Biomedical Science of ANDC and BCAS, University of Delhi jointly started an add-on course in Bioinformatics and in-silico Drug Discovery for undergraduate students, in August, 2012. The primary aim of this course is to suit the fast track needs of the bioinformatics and in-silico drug discovery divisions of pharmaceutical companies and research organizations. Keeping this in view, the course structure is formulated in consultation with the members of the course advisory committee consisting of eminent scientists from the academia as well as industry. This course includes both lectures and hands-on sessions on biological databases, sequence and microarray data analyses, phylogenetic analysis, importance of Bayesian statistics, machine learning, molecular modeling and protein-drug docking.

10. COLLEGE DEVELOPMENT

10.1. Measures taken for Rejuvenation of Research and Innovation

The Governing Body approved the proposal of the College for the allocation of Rs. 2 crores from the College Development Fund and use the interest earned to promote research and innovation in the College. A committee of the following members was formed to review the guidelines for various objectives to be carried out under “Rejuvenation of Research and Innovation”

- i. Dr. Urmi Bajpai (Convenor)
- ii. Dr. Monisha Khanna Kapur
- iii. Dr. Charu K Gupta
- iv. Dr. Ravi Toteja
- v. Dr. Arijit Chowdhuri
- vi. Dr. Chaman Singh
- vii. Dr. Pankaj Khanna

The committee deliberated and framed guidelines for the use of funds to meet the objectives, incorporating the recommendation of the Finance Committee and IQAC of the College.

1. Fund allocated for Rejuvenation of infrastructure and research facilities for Ph.D. students
2. Fellowship for Ph.D. candidates who are not in receipt of any financial assistance from any funding agency so as to enable them to get registered for Ph.D. programme.
3. Grant for travel and boarding/lodging for the Ph.D. and undergraduate students.
4. Innovation/research projects for undergraduate students
5. Academic programme for research scholars
6. Select teachers to be honoured on the Annual Day for their contribution/ accomplishments in research activities in the College.
7. Sanction research grant in the form of ‘Seed Grant’ of Rs. One lakh to teachers appointed at substantive basis.
8. Select an undergraduate student for an award of Rs. 10,000 and a certificate to be given in appreciation of her/his research work.

10.2. Research Contingency Grant

The College is running the following research and innovation laboratories:

- (i) Material Science Laboratory
- (ii) Polymer Research Laboratory
- (iii) Environmental Monitoring and Assessment Laboratory
- (iv) Sensing Materials & Devices Laboratory
- (v) Th!nk Laboratory
- (vi) CUBE Laboratory
- (vii) OPEN Laboratory
- (viii) Ciliate Biology Laboratory
- (ix) Anti-mycobacterial Drug Discovery Laboratory
- (x) Chemical Biology Laboratory
- (xi) Insect Vector & Pests Laboratory
- (xii) Microbial Technology Laboratory
- (xiii) Chandra Computational Laboratory
- (xiv) Mathematics Research Centre Laboratory
- (xv) Inorganic Chemistry Laboratory

The College has 14 Ph.D. students pursuing their research work under the supervision of 9 University recognized supervisors. Many UG students also work on various projects in these research laboratories. The Finance Committee of the College, while deliberating on the requirements of such research laboratories, recommended setting up a Research Contingency Grant. This grant will facilitate the smooth running of these research and innovation laboratories. A research contingency grant amounting to a maximum of Rs. 15,000/- (per annum) has been approved by the Governing Body of the College to each of these research and innovation laboratories.

10.3. Financial Grants Received

S. No.	Project/Scheme	Funding Agency	Amount (2016-17)
1	GIA Salary	Directorate of Higher Education, GNCTD	4,50,00,000 12,76,00,000
	GIA Other than Salary		20,00,000 (Plan) 30,00,000 (Non Plan)
	GIA Capital Assets		20,00,000
	Infrastructure Development Grant under Minor Works		27,02,672
	1. Construction of MOEI & Fans i/c Compound Lights, RMO Pump sets & Sub Stations 2. Construction of Rain protection sheds, railing in ramps and wooden flooring in Room No. 63. 3. Providing of LED Luminaries in Seminar Hall		14,87,600 1,71,540
2	DU Innovation Projects	University of Delhi	12,40,000
3	IEDC	DST	27,55,000
	EAC		
	EDP		
4	UDGAM Business Incubator	MSME	81,750
5	Incubation Centre	Government of NCT of Delhi	1,50,00,000
6	Development Assistance	UGC	Nil
	IQAC		1,50,000
	Raman Fellowship		25,13,752

11. CAREER COUNSELING AND PLACEMENT CELL

The College has an active Career Counseling and Placement Cell that tries to understand the career objectives of the students, keeping in mind the current trends in the corporate world. The scope of the cell extends from coordinating job hiring activities to organizing interactive career counseling seminars. The companies visiting ANDC campus this year were Career Launcher, Mahindra Comviva, Tringsapps Inc., Concentrix Daksha, Isoftindia, Tata consulatncy and Genpact. Career Launcher held an interactive session on “How to do well in Group Discussions and Interviews” and a test for “Young India Challenge” on September 12, 2016 while Tata Consultancy held a “Pre Placement session for TCG IGNITE programme ” for final year and second year students. More than 87 students were selected via campus interviews in the salary range of 1.35-4.08 LPA.

ANNEXURE I

Research Publications by Faculty

Peer Reviewed Journals

1. Eniyan K, Kumar A, Rayasam G V, Perdih A and **Bajpai U** (2016) Development of a one-pot assay for screening and identification of *Mur* pathway inhibitors in *Mycobacterium tuberculosis*. Scientific Reports. 6: 35134.
2. **Gupta C K** and **Chowdhuri A** (2016) Diminishing public health due to Particulate Matter in the ambient. International Journal of Engineering Research and Allied Sciences (IJERAS). Vol. 1, Issue 9, pp 1 – 5. ISSN: 2455- 9660.
3. **Gupta C K**, Singh S, Singh A, Yagnik P, Das B K and **Chowdhuri A** (2016) A particulate Matter Based Real-Time Analysis of Odd-Even Car Experiment in Delhi. DU Journal of Undergraduate Research and Innovation. Volume 2, Issue 1, pp 31- 39. ISSN: 2395-2334.
4. **Chowdhuri A**, Das B K, Singh S and **Gupta C K** (2016) Assuaging Human Health Concerns Through Analysis of Physicochemical Parameters of Potable Water Samples in Delhi. Journal of Innovation for Inclusive Development (JIID). 1 (1) 20 – 25. ISSN: 2456-4478.
5. **Chowdhuri A** and **Gupta C K** (2017) Assessment of Particulate Matter (PM) concentrations at a typical construction site in Bangalore, India. International Research Journal of Environment Sciences. Vol 6(2):1-5.
6. Das K, Ganie S H, **Mangla Y**, Dar T, Chaudhury M, Thakur R, Tandon R, Raina S N and Goel S (2016) ISSR markers for gender identify and genetic diagnosis of *Hippophae rhamnoides ssp. turkestanica* growing at high altitudes in Ladakh region (Jammu and Kashmir). Protoplasma. doi:10.1007/s00709-016-1013-8.
7. **Mangla Y** and Tandon R (2016) Gender determination mechanisms in plants: foundation for unisexuality. The International Journal of Plant Reproductive Biology.8:103-114. ISSN: 0975-4296.
8. Chandra S, **Hooda S**, Tomar P K, Malik A, Kumar A, Malik S and Gautam S, (2016) Synthesis and Characterization of bis nitarto [4-hydroxy acetophenone semicarbazone] nickel (II) Complexes Ionophore for thiocyanate-Selective Electrode. Material Sci. and Engg. C, 62, 18-27.

9. Kumar R, **Arya D K** and Singh N (2016) Comparative Study of Heavy Metal Concentrations in Yamuna River Sediment and other River. Journal of Pharmaceutical and Biomedical Analysis Letters. 4(2):34-42.
10. Kumar R, **Arya D K** and Singh N and Vats H K (2016) Comparative Study of Removal of Cu and Pd from Aqueous Solution by using modified Rice husk ash and adsorbent. IOSR Journal of Engineering (IOSRJEN). 6 (2) 01-05.
11. **Garg A**, Bharadwaj S R, Kachru P, Dutta S K and Singh S (2016) Innovative methods to promote optics at school level. Proc. SPIE 9946, Optics Education and Outreach IV. 994618. doi:10.1117/12.2245220.
12. Pant A, Gupta A, Gupta A, Giri V, **Gaur V** and **Kaur R** (2016) Low Cost Navigation system for Visually Impaired, Advances in Computer Science and Information Technology (ACSIT). Krishi Sanskriti Publications, India. Volume 3, Issue 5, pp 422-425. Print ISSN: 2393-9907; Online ISSN: 2393- 9915.
13. **Kumari A** (2016) Optimizing P3HT/PCBM films for Improving Power Conversion Efficiency in Polymer Bulk Heterojunction Solar Cells by using SWCNT. International Journal of Innovative Research in Computer and Communication Engineering. Vol 4, Issue 4.
14. **Bhatia M** (2016) Inputs on New Education Policy. CII Newsletter, Higher education Special. Vol.5.
15. **Raj V B**, Singh H, Nimal A T, Sharma MU, Tomar M and Gupta V (2017) Distinct detection of liquor ammonia by ZnO/SAW sensor: study of complete sensing mechanism. Sensors and Actuators B. 238: 83-90.
16. Singh H, Parmar Y, **Raj V B**, Pandya H M, Kumar J, Mishra M, Nimal A T and Sharma M U (2017) Sensitivity Enhancement Studies of SAW vapor sensor by oscillator tuning using Varactor diode. IEEE Sensors. 17 (5): 1391-1398.
17. Sharma A, **Kumar S** and Tripathi P (2016) Evaluation of the larvicidal efficacy of five indigenous weeds against an Indian strain of dengue vector, *Aedes aegypti* L. (Diptera: Culicidae). Journal of Parasitology Research. 1-8 (Article ID 2857089: <http://dx.doi.org/10.1155/2016/2857089>).
18. Das P, Solanki R and **Khanna M** (2016) Screening, Quantification and Purification of Cellulases from soil Actinomycetes. Microbial Biotechnology: Technological Challenges and Developmental Trends, Apple Academic Press. ISBN 9781771883320.

19. Choudhary A, Abraham J S, Sripoorna S, Sankar M, Ahlawat V, Gupta R, **Makhija S** and Toteja R (2016) Evaluation of the cytotoxic effect of pesticide malathion on freshwater ciliate, *Tetmemena* sp. DU Journal of Undergraduate Research and Innovation. Volume 2, Issue 1, pp **20-30**. ISSN: 2395-2334.
20. Naqvi I, Gupta R, **Makhija S, Toteja R**, Abraham J S, Sripoorna S and El-Serehy H A (2016) Morphology and morphogenesis of a new oxytrichid ciliate, *Notohymena limus* n. sp. (Ciliophora, Oxytrichidae) from Delhi, India. Saudi Journal of Biological Sciences. 23 (6): 789-794.
21. **Toteja R, Makhija S**, Sripoorna S, Abraham J S and Gupta R (2016) Influence of Copper and Cadmium Toxicity on the Activity of an Antioxidant Enzyme, Superoxide Dismutase in Freshwater Ciliates. Indian Journal of Experimental Biology (Accepted for Publication).
22. Warren A, Patterson D J, Dunthorn M, Clamp J C, Achilles-Day U E M, Aesch E, Al-Farraj S A, Al-Quraishy S, Al-Rasheid K, Carr M, Day J G, Dellinger M, El-Serehy H A, Fan Y, Gao F, Gao S, Gong J, Gupta R, Hu X, Kamra K, Langlois G, Lin X, Lipscomb D, Lobban C S, Luporini P, Lynn D H, Ma H, Macek M, Mackenzie-Dodds J, **Makhija S**, Mansergh R I, Martín-Cereceda M, McMiller N, Montagnes D, Nikolaeva S, Ong'ondo G O, Pérez-Uz B, Purushothaman J, Quintela-Alonso P, Rotterová J, Santoferrara L, Shao C, Shen Z, Shi X, Song W, Stoeck T, Terza A L, Vallesi A, Wang M, Weisse T, Wiackowski K, Wu L, Xu K, Yi Z, Zufall R and Agatha S (2017) Beyond the "Code": A Guide to the Description and Documentation of Biodiversity in Ciliated Protists (Alveolata, Ciliophora). 1–16 (in Press).
23. Dubey A, **Singh N** and Saraf D K (2016) Immunomodulating activity of ethanolic extract of *Leptadaenia reticulata*. American Journal of Pharmacy and Health Research. 4: 9, 16-29. ISSN: 2321-3647.
24. **Singh N**, Dubey A and Gupta U S (2016) Toxic effect of *Microcystis* extract on haemolymph protein profile in cockroach *Periplaneta americana*. American Journal of Pharmacy and Health Research. 4: 9, 43-55. ISSN: 2321-3647.

Papers Published in Conference Proceedings

1. Roy R, Rai G, Sharma A, **Chowdhuri A, Gupta C K and Kumar S** (2016) Synthesis and characterization of copper nanoparticles (CuNPs) for water purification. Proceedings of Second National Symposium on Environment: Greener Future and Awareness, Deshbandhu College, University of Delhi. March 19, 2016. pp: 20.

2. **Hooda S**, Gambhir G, Agarwal S, Srivastava H and Sharma D (2016) Determination of some soft drink constituents and contamination by some heavy metals. Proceeding of International Conference on Green Chemistry in Environmental Sustainability (ICGC-2016). Department of Chemistry, Daulat Ram College, New Delhi. November 17-18, 2016. pp: 03. Page 109.
3. Lal S, Kumar V, **Hooda S**, Joshi M C and Rajour H K (2016) Mixed Ligand Metal Complex of Nickel Chloride Bearing Curcumin and 2,2'-Bipyridine: Their Synthesis, Characterization and Antimicrobial Study. Proceeding of 7th National Conference on Science and Technology for National Development. Haridwar, Uttarakhand. November 20-22, 2016. pp: 049.
4. Verma A and **Arya D K** (2016) Synthesis and spectral Studies of Noval Bioactive Phenothiazine. Proceeding of International Conference on Frontiers at the Chemistry-Allied Sciences Interface. Jaipur. April 25-26, 2016. pp: 67. Page 99.
5. Verma A and **Arya D K** (2016) Synthesis of some novel 4H-1,4-benzothiazines from New B-diketones/B-Ketoesters, P-III-6. Proceeding of National Conference on Environment Challenges, Human Health and Society. Jaipur. September 8-10, 2016. Page 126-127.
6. Verma A and **Arya D K** (2016) Synthesis, Characterization and Biological Activities of some heterocyclic Derivatives. Proceedings of International Seminar on "Recent Trends in Chemical Sciences; Global prospective and Progress". Rajasthan. November 28-29, 2016. pp: 125. Page 341.
7. Chetna, Kumar S, **Garg A**, **Chowdhuri A**, **Dhingra V**, Chaudhary S and Kapoor A (2016) Zinc oxide doped graphene oxide films for gas sensing applications. AIP Conference Proceedings. 1728, 020579 (2016). <http://doi.org/10.1063/1.4946630>.
8. Kumar S, **Dhingra V**, **Garg A** and **Chowdhuri A** (2016) Investigating gas sensing mechanism of graphene oxide (GO) thin films through cross-selectivity to various gases. AIP Conference Proceedings. 1728, 020672 (2016). <http://doi.org/10.1063/1.4946723>.
9. Mewari K, Singh R, Upadhyay P and **Kumar S** (2016) Investigations on the survival and development of rice weevil, *Sitophilus oryzae* in different varieties of rice grains. Proceedings of Second National Symposium on Environment: Greener Future and Awareness. Deshbandhu College, Delhi. March 19, 2016. pp: 21.

10. Dagar V and **Kumar S** (2016) Bioefficacy of *Rosemarinus officinalis* oil against dengue fever mosquito *Aedes aegypti* L. (Diptera: Culicidae): An environmental friendly approach for management of *Aedes aegypti*. Proceedings of Second National Symposium on Environment: Greener Future and Awareness. Deshbandhu College, Delhi. March 19, 2016. OP 6.
11. Singh A P and **Kumar S** (2016) Anti-mosquito potential of an obnoxious weed *Parthenium hysterophorus* against dengue vector, *Aedes aegypti* L. Proceedings of Second National Symposium on Environment: Greener Future and Awareness. Deshbandhu College, Delhi. March 19, 2016. OP 9.
12. Chaudhary C, Sharma P, Arya K A, Jha K, Gupta A, Batra G, Taneja L, Tyagi S, Makhija U, Kataria A, **Khanna M**, **Hooda S**, **Sagar R K**, Kumar P, Das P and Solanki R (2016) Role of microbial extracellular enzymes in bioremediation of wastes. XL All India Cell Biology Conference & International Symposium on Functional Genomics and Epigenomics. Galav Sabhagar, Jiwaji University. November 17-19, 2016.
13. Das P, Kumar P, Solanki R and **Khanna M** (2016) Purification and characterization of extracellular xylanases from *Streptomyces* sp. XL All India Cell Biology Conference & International Symposium on Functional Genomics and Epigenomics. Galav Sabhagar, Jiwaji University, November 17-19, 2016.
14. Abraham J S, Somasundaram S, Jangra S, Yadav K, Singh S, Zutshi S, Singh B, Dagar J, Kumar A, Goyal A, Bhatnagar M, Upadhaya M, Choudhary A, **Toteja R**, Gupta R, Gambhir G and **Makhija S** (2016) Biodiversity and community structure of soil ciliates collected from three different sites of Delhi, India to assess soil quality. Protistology. 10(2), 5.
15. **Makhija S**, Abraham J S, Somasundaram S, **Toteja R** and Gupta R (2016) Mapping the hidden diversity of free living fresh water ciliates from Delhi region, India. Protistology. 10 (2), 43.
16. Somasundaram S, Abraham J S, **Toteja R**, Gupta R and **Makhija S** (2016) Molecular defence mechanisms in spirotrich ciliates to prevent heavy metal toxicity. Protistology. 10 (2), 76.
17. Somasundaram S, Abraham J S, **Toteja R**, **Makhija S** and Gupta R (2016) Evaluation of acute toxicity of heavy metals and the activity of antioxidant enzymes in freshwater ciliates. Protistology. 10(2), 77.

Genome sequences published

1. **Bajpai U** and **Mehta A K** (2016) Complete genome sequence of a new mycobacteriophage isolate- Mycobacterium phage PDRPv. NCBI accession No. KR029086. <https://www.ncbi.nlm.nih.gov/nuccore/817033965>.
2. **Bajpai U** and **Mehta A K** (2016) Complete genome sequence of a new mycobacteriophage isolate- Mycobacterium phage PDRPxv. NCBI accession. No. KR029087. <https://www.ncbi.nlm.nih.gov/nuccore/817034072>.
3. Das P, Solanki R and **Khanna M** (2016) *Streptomyces* sp. strain C242 16S ribosomal RNA gene, partial sequence. Acc. No. KY317951. <https://www.ncbi.nlm.nih.gov/nuccore/KY317951>.
4. Das P, Solanki R and **Khanna M** (2016) *Streptomyces* sp. strain C202 16S ribosomal RNA gene, partial sequence. Acc. No. KY357311. <https://www.ncbi.nlm.nih.gov/nuccore/KY357311>.
5. Das P, Solanki R and **Khanna M** (2016) *Streptomyces* sp. strain C126 16S ribosomal RNA gene, partial sequence. Acc. No. KY357310. <https://www.ncbi.nlm.nih.gov/nuccore/KY357310>.
6. Das P, Solanki R and **Khanna M** (2016) *Streptomyces* sp. strain C130 16S ribosomal RNA gene, partial sequence. Acc. No. KY357309. <https://www.ncbi.nlm.nih.gov/nuccore/KY357309>.
7. Das P, Solanki R and **Khanna M** (2016) *Streptomyces* sp. strain C184 16S ribosomal RNA gene, partial sequence. Acc. No. KY357314. <https://www.ncbi.nlm.nih.gov/nuccore/KY357314>.
8. Das P, Solanki R and **Khanna M** (2016) *Streptomyces* sp. strain C165 16S ribosomal RNA gene, partial sequence. Acc. No. KY357313. <https://www.ncbi.nlm.nih.gov/nuccore/KY357313>.
9. Das P, Solanki R and **Khanna M** (2016) *Streptomyces* sp. strain C122 16S ribosomal RNA gene, partial sequence. Acc. No. KY357312. <https://www.ncbi.nlm.nih.gov/nuccore/KY357312>.
10. Das P, Solanki R and **Khanna M** (2016) *Streptomyces* sp. strain C169 16S ribosomal RNA gene, partial sequence. Acc. No. KY357319. <https://www.ncbi.nlm.nih.gov/nuccore/KY357319>.

11. Abraham J S, Somasundaram S, **Makhija S, Toteja R** and Gupta R (2016) *Oxytricha granulifera* 18S ribosomal RNA gene, partial sequence. Acc. No. KU715983. <https://www.ncbi.nlm.nih.gov/nuccore/KU715983>.
12. **Makhija S**, Gupta R, **Toteja R**, Abraham J. S. and Somasundaram S (2016) *Paraurostyla coronata* 18S ribosomal RNA gene, partial sequence. Acc. No. KU715982. <https://www.ncbi.nlm.nih.gov/nuccore/KU715982>.

Presentations in Conferences by Faculty

International

1. **Kumar S, Gupta C K and Singh S** (2017): OER adoption by University of Delhi, India: Student's Readiness and Acceptance. OE Global Conference 2017: March 8 -10, 2017, Cape Town, South Africa
2. **Kumar S and Singh S** (2017) A study on awareness of 'OER' among content creators. OE Global Conference 2017: March 8 -10, 2017, Cape Town, South Africa.
3. Eniyan K, Kumar A, Rayasam G V, Perdih A and **Bajpai U** (2016) Development of a one-pot assay for screening novel inhibitors targeting Mur enzymes of peptidoglycan biosynthesis. 7th EMBO meeting 2016. Mannheim, Germany. September 10-13, 2016.
4. Shandheep A, Vajpayee S, Arora H, Tiwari S, Gupta S, Kumar R, Arora K, Mittal N, Mewari K, **Gupta S, Bhagat P**, Biswas K and **Dhawan G** (2016) Design, synthesis and biological evaluation of oxindole- based isoxazoles towards the analog synthesis of marine natural product Flustraminol-B. International Conference on Green Chemistry in Environmental Sustainability and Chemical Education. DRC, DU, New Delhi. November 17-18, 2016.
5. Verma S and **Dhawan G** (2016) Study Interaction of Plasmodium vivax Duffy Binding Protein (Pvdbp) with its Host Receptors the Duffy Antigen (Fy) on RBC Surface using Bioinformatics Tools. 2nd India International Science Festival. NPL, New Delhi. December 7-11, 2016.
6. Anmol, Khanna J, **Gupta S** and **Dhawan G** (2016) Synthesis of Zinc Sulphide and Lead Sulphide Nanoparticles by Chemical Precipitation Method using Different Capping Agents. 2nd India International Science Festival. NPL, New Delhi. December 7-11, 2016.

7. Kumar N, Madaan R, **Gupta S** and **Dhawan G** (2016) Characterisation and comparison of different synthesis methods of CuS nanoparticles. 2nd India International Science Festival. NPL, New Delhi. December 7-11, 2016.
8. Yadav S, **Gupta S** and **Dhawan G** (2016) Synthetic Fabrication of AuNP Nanoparticles with Controlled Shape, Size and Surface Functionality. 2nd India International Science Festival. NPL, New Delhi. December 7-11, 2016.
9. **Gupta C K**, Kocman D and **Chowdhuri A** (2016) Comparison of atmospheric mercury (Hg) concentration levels in air at Hg mine area in Idrija, Slovenia and wholesale gold market in Dariba Kalan, Delhi, India. International Conference on Strategies for Environmental Protection and Management (ICSEPM - 2016). Jawaharlal Nehru University, New Delhi. December 11-13, 2016. pp: O3 – O4.
10. **Chowdhuri A** and **Gupta C K** (2016) Remote monitoring of landfill gas concentrations in real-time from MSW landfills in Delhi using portable and autonomous Electronic Nose. International Conference on Strategies for Environmental Protection and Management (ICSEPM - 2016) Jawaharlal Nehru University, New Delhi. December 11-13, 2016. pp: ES2 – ES3.
11. Saxena R, **Kaur S**, Dash D, Bhatnagar V (2016) Leveraging Structural Hierarchy for Scalable Network Comparison. 27th International Conference on Database and Expert Systems Applications - DEXA 2016, Porto, Portugal pp: 287-302.
12. **Goel S K** (2016) Goods and Services Tax (GST): The Biggest Indirect Tax Reform in India. 39th All India Accounting Conference and International Seminar on Accounting Education and Research. Department of Commerce, Bangalore University, Bangalore in association with Indian Accounting Association, Karnataka Branch. December 16-17, 2016.
13. Kumar S, **Garg A** and **Chowdhuri A** (2016) Comparison of water purification properties of Cu and Ag nano particles decorated graphene Oxide (GO) membranes. 2nd International Conference on Recent Advances in Nanoscience and Nanotechnology-2016 (ICRANN-2016). Special Centre for Nano Sciences, Jawaharlal Nehru University, New Delhi. December 19-20, 2016.
14. **Dhingra V**, Kumar S, **Garg A** and **Chowdhuri A** (2016) Graphene Oxide (GO) thin films loaded with Cu and Ag nanoparticles for gas sensing applications. 2nd International Conference on Recent Advances in Nanoscience and Nanotechnology-2016 (ICRANN-2016). Special Centre for Nano Sciences, Jawaharlal Nehru University, New Delhi. December 19-20, 2016. pp: 107.

15. **Bhatia M** (2016) Skill Development Challenge: Ideating the role of Community Colleges; Going Global 2016, organized by British Council. Cape Town, S. Africa. May 2-4, 2016.
16. **Bhatia M** (2016) Open Education in the Indian context: new approaches and challenges. 13th International Conference on Open Education. Richmond, USA. November 3-5, 2016.
17. **Narang S, Kaur S and Mahajan S** (2016) Biometric Attendance System. International Conference on Development of Economies through Innovation & Sustainable Growth: Vision 2020 (IC-DEISGV – 2016). IHM, Pusa, New Delhi in collaboration with International Association of Research & Development Organization. on 15-16 October, 2016

National

1. **Chowdhuri A**, Chopra P, Singh J P, **Raj V B** and **Gupta C K** (2016) Ambient air pollution (AAP) measurements using Electronic Nose at unrestrained MSW landfills located in Delhi. Innovation Conclave 2016. Acharya Narendra Dev College, New Delhi. October 25-26, 2016. pp: 04.
2. Mathuria M, Singh P, **Kumar S, Chowdhuri A** and **Gupta C K** (2016) Biological contamination in groundwater- an impending disaster. Innovation Conclave 2016. Acharya Narendra Dev College, New Delhi. October 25-26, 2016. pp: 51.
3. Kaur H, Kumar M, **Chowdhuri A, Gupta C K** and **Kumar S** (2016) Synthesis and characterization of metallic nanoparticles for water filtration units. Innovation Conclave 2016. Acharya Narendra Dev College, New Delhi. October 25-26, 2016. pp: 67.
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ANNEXURE II

Staff Council Committees 2016-2017

Admissions Committee All Teachers-in-Charges Convenors: Dr. Sanjeeta Rani Dr. Anupama Shukla Ms. Rupali Pabreja Foreign Language Dr. Geetu Gambhir (Convenor) Dr. Geetika Kalra Dr. Sarita Aggarwal Dr. Sunita Hooda	Workload and Time Table Committee Convenor : Dr. Neeti Misra Co-convenor : Mr. Vishal Dhingra	Examination Committee Convenor + 5 members Dr. Sunita Hooda (Convenor) Dr. Manisha Verma Ms. Anuradha Sarin Dr. Anita Narang Dr. Laxmi Narain Dr. Geetu Gambhir Dr. Ravinder Kumar Sagar	Alumni Affairs Committee Convenor + one from each Department (except Convenor's Department) Dr. Subhash Kumar (Convenor) Dr. Sharanjit Kaur Dr. Rachna Joshi Dr. Pankaj Khanna Ms. Sunita Jetly Ms. Anuradha Mr. Gaurav Sharma Dr. Ravneet Kaur Dr. Seema Makhija Dr. Satendra Singh Dr. Rama Kadamb Dr. Anjali Priyadarshini Mr. Keshava Pratap Singh Mr. Brijendra Yadav Mr. Bineet Kumar Dr. Aparna Sharma Mr. Sanjay Kumar
Sports Committee Convenor+5 members Dr. Laxmi Narain (Convenor) Dr. Dinesh Arya Dr. Meenu Mohil Dr. Ranjit Singh Dr. Ravinder Kumar Sagar	Professional Development & Faculty Enrichment Committee Merged with Academic Events	College Development Committee Convenor + 2 members + Representative from each Department Dr. Udaibir Singh (Convenor)	

Dr. Chaman Singh Ms. Anupama Dr. Rama Kadamb Ms. Sapna Yadav Dr. Neeti Goel Mr. Narayan Singh Dr. Hanuman Verma Dr. Ranjit Kumar Dr. Rahul Dev		Dr. Harita Mehta Dr. Pooja Bhagat Dr. Anita Thakur Mr. Gurjinder Singh Mr. Rahul Singh Dr. Vinesh Kumar Mr. Dinesh Kumar	
Fellowship Programs and Awards Committee (Conferences, ELITE etc.) Convenor + 4-5 members Dr. Arijit Chowdhuri (Convenor) Dr. Ravi Toteja Dr. Manisha Verma Dr. Seema Gupta (Maths) Dr. Preeti Agarwala Dr. Joita Dhar Rakshit Mr. Yask Sain Dr. Ambika Mr. Gurudatt Rao Ambedkar Dr. V. Bhasker Raj	Proctorial Committee Convenor+8-10 members (may be one from one department) Dr. M S Rajeswari (Proctor) Dr. Sandeep Goel Dr. C K Samal Dr. Rajesh Chaudhary Dr. Chaman Singh Mr. Vishal Dhingra Dr. Dinesh Arya Mr. Jitendra Goel Mr. Gurjinder Singh Dr. Vinesh Kumar Ms. Gauri Ghai Dr. Aparna Sharma Mr Rishbrind Kr. Upadyay	Canteen Committee Convenor+4 members+2 Non-teaching members) Dr. Rajesh Chaudhary (Convenor) Mr. Vishal Dhingra Dr. Shalu Dhanda Dr. Seema Gupta Ms. Anu Perveen Dr. Seema Gupta (Maths) Mr. Jitendra Goel Mr. Brijendra Yadav Mr. Dev Om Dr. Ambika	Social Outreach Programs Committee (NSS) 7-8 members Dr. Geetika Kalra (Convenor) Dr. Anita Narang Dr. Manisha Jain Dr. Manoj Kumar Singh Dr. Yash Mangla Dr. Sumit Sahni Mr. Keshava Pratap Singh Ms. Gauri Ghai Ms. Anita Kumari
Library Committee Convenor Bursar All TICs or one teacher or	Academic Events Management Committee – Orientation Day, Annual Day,	Cultural Events Management Committee (Fest, Freshers/ Farewell, sending	Women Students; Affairs Committee-Sashakt Convenor + 5-6 members (both male & female)

Representative from each Department Dr. Ravi Toteja (Convenor)	<i>Antardhvani</i> , AND Memorial Lecture 8-10 members Ms. Sangeeta Relan Dr. Charu K Gupta Dr. Poonam A Kant Dr. Anupama Shukla Dr. Neelu Dheer Dr. Shallu Sachdeva Dr. Shalu Mahajan Dr. Ravneet Kaur Mr. Rakesh Roshan Dr. Yash Mangla Dr. Anita Thakur Mr. Yask Sain Ms. Sapna Yadav Ms. Priyanka Sharma Mr. Rahul Singh Mr. Gurudatt Rao Ambedkar Mr. Dev Om Mr. Parminder Singh Dr. Neelgagan Singh Mr Jigmet Wangdus	teams for cultural events) 8-10 members Dr. Subhash Kumar Dr. Neelu Dheer Dr. Shalu Sachdeva Dr. Ranjit Singh Dr. Mamta Bhatia Dr. Vatsla Kohli Dr. Surinder Kaur Ms. Sunita Jetly Mr. Gaurav Sharma Ms. Poonam Chauhan Dr. Pragati Malik Dr. Neeti Goel Mr. Ankit Singh Dr. Hanuman Verma Mr. Parminder Singh Dr. Rohtash Singh Dr. Rahul Dev Dr. Neelgagan Singh Mr. Sanjay Kumar Dr Kavita Mittal SPICMACAY Dr. Subhash Kumar (Convenor)	Dr. Manisha Jain (Convenor) Dr. Rashmi Sharma Dr. Sanjeeta Rani Ms. Anu Perveen Ms. Rupali Pabreja Dr. Preeti Marwaha Dr. Pragati Malik Mr. Leivon George Mr. Ankit Singh Ms. Priyanka Sharma Ms. Anita Kumari Dr. Vikram Sen Mr. Rishbrind Kr. Upadyay Dr. Kavita Mittal
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Committee for coordination with the Equal Opportunity Cell, University of Delhi Convenor + 5 members Mr. Manoj Garg (Convenor) Dr. Sarita Agarwal Dr. Preeti Agarwal Dr. Vikrant Kumar Ms. Rupali Pabreja Ms. Gunjan Rani	Editorial – Magazine+ Annual Report Convenor +5-8 member Dr. Seema Makhija (Convenor) Dr. Manisha Verma Dr. Joita Dhar Rakshit Dr. Abhishek K Mehta Dr. Satendra Singh Mr. Rakesh Roshan Dr. Anjali Priyadarshini Ms. Gunjan Rani Dr. Sweety Shrimali Editoria II – Prospectus Convenor+5-8 members Dr. Subhash Kumar	I.T. Committee – Website Distribution/ Maintenance help of laptops. Dr. Preeti Marwaha Dr. Pankaj Khanna Dr. Sunita Narang (Convenor) Dr. Urmi Bajpai Dr. Rashmi Sharma Dr. Surinder Kaur Dr. Chaman Singh Dr. Sanjeeta Rani Dr. Udaibir Singh Dr. Chandra Kant Samal Ms. Shiva Saini Mr. Hari Om Sharan Sinha Dr. V. Bhasker Raj	Garden Committee Convenor+3 members Dr. Rashmi Sharma (Convenor) Dr. Manisha Jain Dr. Mamta Bhatia Dr. Rashmi Thukral Dr. Manoj Kumar Singh Dr. Sumit Sahni Ms. Shiva Saini Mr. Hari Om Sharan Sinha
Placement Convenor + 4-5 members Dr. Harita Ahuja (Convenor) Dr. Radha Raman Maurya	Theatre Society Convenor + 6 members Dr. Geetu Gambhir (Convenor) Ms. Sunita Jetly Ms. Poonam	Environment Society Convenor+5-6 members Dr. Seema Gupta (Convenor) Dr. Rachna Joshi Dr. Shalu Dhanda Dr. Vatsla Kohli Dr. Sunita Narang	Remedial Coaching Convenor + 2 members Dr. Meenu Mohil Dr. Neeti Misra Dr. Pankaj Khanna

Mr. Narayan Singh Dr. Rohtash Singh Dr. Vikram Sen	Chauhan Dr. Sandeep Kumar Goel Dr. Jamaluddeen Ms. Nishu Singh Mr. Dinesh Kumar Dr. Ranjit Kumar Mr. Jigmet Wangdus	Ms. Anupama Dr. Abhishek K Mehta Mr. Leivon George Dr. Radha Raman Maurya Dr. Jamaluddeen Ms. Nishu Singh Mr. Bineet Kumar Dr. Sweety Shrimali	
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Internal Assessment Monitoring Committee

Principal

Secretary, Staff Council – Dr. Roopesh Tehri

Vice-Principal/Bursar – Dr. Ravi Toteja /Dr. Amit Garg

Teacher's Representatives

1. Dr. M S Rajeswari
2. Dr. Sharanjit Kaur

Attendance Committee

1. Dr. M S Rajeswari
2. Dr. Sharanjit Kaur

Provident Fund Committee

Principal

Bursar

Teacher's Nominee: Ms. Sadhna Gupta

SAKSHAM (Formerly SAF) Committee

Bursar

Convenor, Social Outreach Program

Convenor, NSS Program

Convenor, Awards and Fellowship Program

Convenor-Proctorial Committee

