

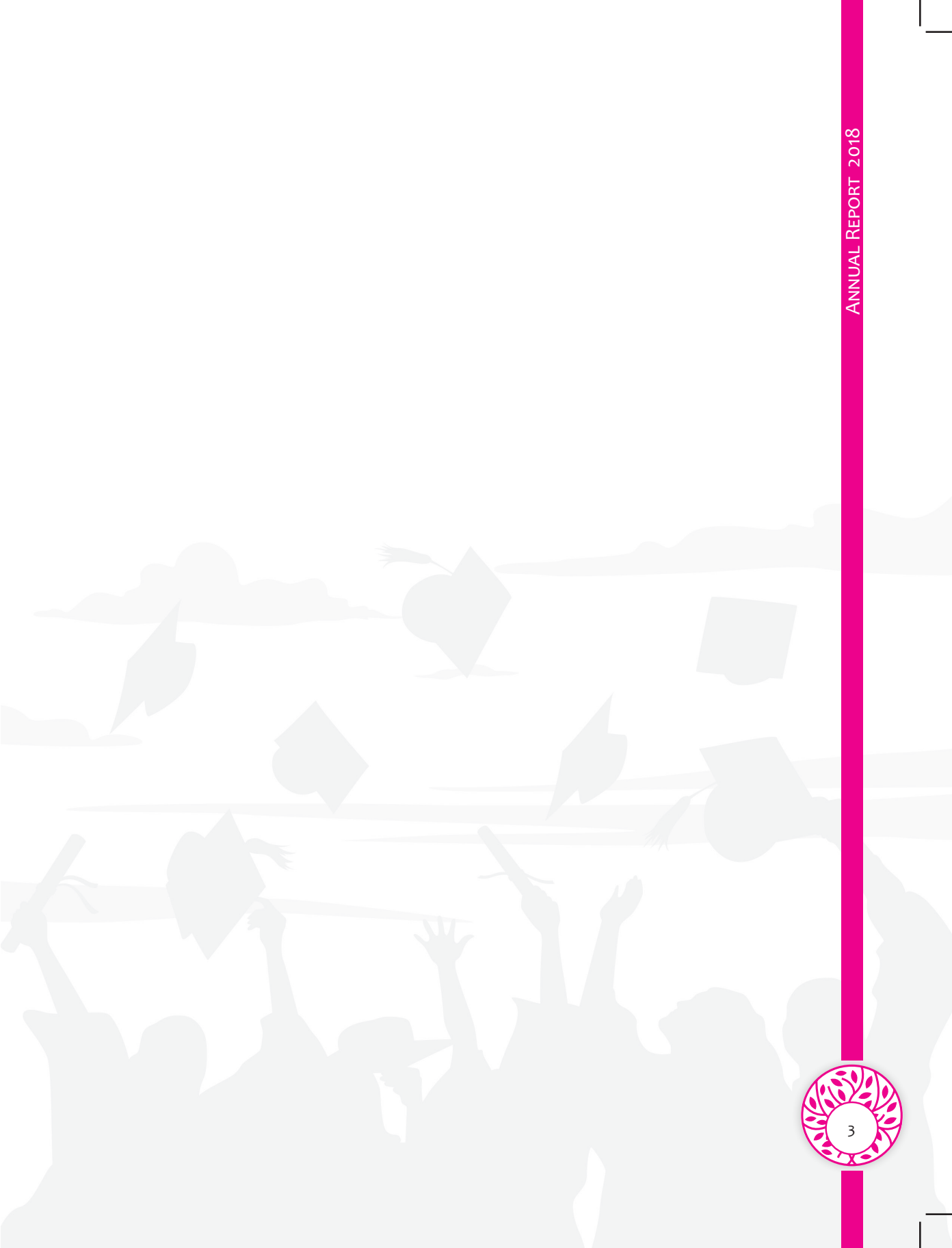
ANNUAL REPORT

2018

Acharya Narendra Dev College









1. INTRODUCTION

Acharya Narendra Dev College is built on the energy and drive of its stakeholders i.e. students, faculty, alumni and non-teaching staff. This year's Annual Report is all about capturing the dynamic quality that permeates every nook and corner of the college. The year started with the college getting the coveted DBT funded Star College programme and under its aegis 19 interdisciplinary projects have been initiated. Dr. Urmi Bajpai, Associate Professor in Biomedical Science made the college proud by being the lone winner of the prestigious Excellence Award for Teaching of the University of Delhi, among all colleges of DU. Dr Bajpai since been also appointed as Deputy Dean (Research) at the research Council of DU.

It was never clearer to me, however, how much the college is powered by a relentless positive energy than when one of our bright lights Dr. Saumya Saxena met an untimely death. Our campus came together in mourning our loss; our collective hearts and prayers went out to her family. The pain of her absence was a reminder of what makes this place so special.

Students like always, also excelled themselves academically – Ms. Ayushi Raturi of B. Sc. (H) Zoology bagged the II position at University level and 9 others grabbed top 3 positions in UDSC. Undergraduate research in the college also received a fillip whence on 28 February the National Science Day the college entry, “Brain-Controlled Wheelchair” won the Second Prize in the Project Category at INSA Auditorium, New Delhi.

This year also saw creation of four new Fellowships – Abhinav Halen, Krishna Toteja Memorial, श्रद्धांजलि: Dr Saumya Saxena Students' Endowment Scholarship and Dr Saumya Saxena Memorial Scholarship. While Abhinav Halen has two scholarships each worth Rs. 15000/- for students of Electronics, Krishna Toteja awards a student of Zoology with Rs. 6000/-. श्रद्धांजलि: Dr. Saumya Saxena Students' Endowment has two awards of Rs. 6000/- for students of Botany. Funds to the tune of Rs 5 lakhs go towards an Annual Saumya Saxena Memorial Lecture (scheduled for 23 March every year) and one scholarship for a bright needy student in Botany to the tune of Rs. 6000/-.

This year 3 Ph. D. thesis have been submitted under supervision of ANDC faculty while 3 teachers have submitted and / or been awarded PhD.



Dr. Mamta Bhatia, Associate Professor in Physics deserves a special mention for being awarded the Fulbright-Nehru Academic and Professional Excellence Fellowship, and has taught Physics at Miami Dade College, USA for 4 months as part of her responsibility. Further the IQAC has started a job oriented skill development course 'Quality Control (QC) Chemist' of NAQF level 5. A Quality Control Chemist is responsible for conducting qualitative and quantitative analysis to ensure specified quality of the manufactured products. Students from B. Sc. (H) Chemistry, B. Sc. (H) Biomedical Science and B. Sc. Life Sciences are participating in it.

The passionate faculty along with their dedicated non-teaching colleagues have profoundly affected countless students. This year, the College has instituted a service award निष्ठा: Service Award to recognize the staff for completing twenty five years of regular service and the Principal for completing ten years at Acharya Narendra Dev College. Seven teachers and Principal are being felicitated this year.

2. RESEARCH

Acharya Narendra Dev College believes in preparing students to take informed decisions 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 2017, 84 students of the College undertook projects of two-month duration under this scheme. Each student earned a fellowship of Rs. 1000/- p.m. with departments getting a contingency grant for the projects from the college.

S. No.	Title of the Project	Mentor/s	Students
1	Adsorption of Heavy Metals on EDTA - Functionalized Chitin	Dr Sunita Hooda and Dr Geetu Gambhir	Ravina B. Sc. (H) Chemistry, III Year
2	Adsorption of Organic Dyes on EDTA - Functionalized Chitin	Dr Sunita Hooda and Dr Geetu Gambhir	Ravina and Aniket B. Sc. (H) Chemistry, III Year
3	Social Campus	Dr Chandra Kanta Samal	Ayush Kumar Varshney, Dhananjay Kumar and Ruman Saleem B. Sc. (H) Computer Science, II Year
4	The Learning Hub	Dr Chandra Kanta Samal	Varad Srivastava and Vikash B. Sc. (H) Computer Science, II Year
5	Effect of UV Radiation on Ciliate <i>Blepharisma</i>	Dr Ravi Toteja and Dr Seema Makhija	Hritik Kadian and Juhi Jaiswal B. Sc. (H) Zoology, II Year
6	Phytochemical Screening of Mango Seed Extract; Fine-Tune Investigations on Ciliates, <i>Tetramena</i> sp (<i>Stylonychia</i>)	Dr Ravi Toteja and Dr Seema Makhija	Umesh Jatav B. Sc. (H) Zoology, II Year Jyoti Gautam B. Sc. (H) Biomedical Science, II Year



S. No.	Title of the Project	Mentor/s	Students
7	To Study the Effect of Temperature and pH on the Growth of Bacteria (<i>Escherichia coli</i>)	Dr Ravi Toteja and Dr Seema Makhija	Ekta Verma B. Sc. (H) Zoology, II Year
8	Isolation of Mycobacteriophages, Data Mining & Genome Annotation and Instrumentation	Dr Urmi Bajpai	Sonia, Shweta, Prashasti and Suraj B. Sc. (H) Biomedical Science, III Year
9	Spectrophotometric Studies of Turmeric Extracts and Review of its Medicinal Properties	Dr Pankaj Khanna, Dr Neeti Misra and Dr Leena Khanna	Rajkamal and Jatin B. Sc. (H) Chemistry, I Year
10	Synthesis of Some Heterocyclic Compounds and a Review on Benzimidazole Synthesis	Dr Pankaj Khanna, Dr Shallu Sachdeva and Dr Leena Khanna	Jatin and Rajkamal B. Sc. (H) Chemistry, I Year
11	Effect of Heavy Metals and Acids on Aquatic Plants Like <i>Lemna gibba</i> , <i>Spirodella polyrrhiza</i> , <i>Wolffia globosa</i> and Role in Aquatic Phytoremediation System	Dr Rashmi Sharma	Megha Yadav, Parul Dev, Pritam Kashyap and Rinki Kumari B. Sc. (H) Botany, III Year
12	A Survey of Whatsapp Usage Among Different Groups of People	Dr Sarita Kumar	Prateek Trivedi B.S c. (H) Zoology, II Year
13	To Study Insect Species Diversity in Campus of Acharya Narendra Dev College	Dr Sarita Kumar	Manoj Kumar B. Sc. (H) Zoology, II Year
14	Effects of Different Diets on the Growth and Development of <i>Helicoverpa armigera</i>	Dr Sarita Kumar	Ayushi Raturi and Sunil B. Sc. (H) Zoology, I Year
15	Protein Profiling of Insect Haemolymph by Gel Electrophoresis	Dr Sarita Kumar	Namarta Sharma B. Sc. (H) Zoology, II Year

S. No.	Title of the Project	Mentor/s	Students
16	Creation of Online Repository of Zoological Specimens and Permanent slides	Dr Sarita Kumar	Harveen Kaur B. Sc. (H) Zoology, II Year
17	To Understand Chemotaxis Plasticity in Native Nematodes	Dr Sarita Kumar and Dr Aparna Sharma	Shubham Rawat B. Sc. Life Sciences, II Year Gaurav and Purnendu B. Sc. (H) Biomedical Science, I Year
18	Study of regeneration of anterior segments in the earthworm <i>Eisenia fetida</i>	Dr Sarita Kumar and Mr Ravinder Sagar	Harshita, Dipshi Aggarwal, Harmanpreet Kaur and Deepak Sahni B. Sc. (H) Biomedical Science, II Year
19	Extension in Quaternion Group	Dr Sarita Aggarwal	Abhas Mishra, Pramhans Kushwaha and Sameeksha Pradhan B. Sc. (H) Mathematics, II Year
20	Ganga River and its Tributaries: Effect of Industrial Pollution	Dr Vandana Uberoi	Anu Malik B. Sc. (H) Chemistry, II Year
21	Hindon River : Effect of Industrial Chemicals	Dr Vandana Uberoi	Piyush Kumar B. Sc. (H) Chemistry, II Year
22	Yamuna River and its Tributaries: Pollution Caused by Industrial Effluents	Dr Vandana Uberoi	Antim Rani B. Sc. (H) Chemistry, II Year
23	The Study of Diversity of Bees during Monsoon Months in Delhi	Dr Charu Khosla Gupta	Saranya Nair B. Sc. (H) Botany, III Year Sibaram Sadarangi B. Sc. (H) Biomedical Science, II Year
24	Environment Science: Green Chemistry	Dr Charu Khosla Gupta and Dr Arijit Chowdhuri	Priya Chopra and Jitender Pal Singh B. Sc. (H) Physics, III Year



S. No.	Title of the Project	Mentor/s	Students
25	To Evaluate the Air Pollution Tolerance Index of Different Plant Species as to Select Species to Grow in Respective Areas and Correlation with the Pollutants	Dr Charu Khosla Gupta and Dr Yash Mangla	Mohit Singh B. Sc. Life Sciences, I Year Sonanjali Aneja B. Sc. (H) Biomedical Science, I Year Abhijeet Rao B. Sc. Physical Sciences (Chemistry), I Year Sakshi Saraswat B. Sc. (H) Zoology, I Year
26	Lab Maintenance Application	Dr Ravneet Kaur and Ms Gauri Ghai	Adarsh Maurya B. Sc. (H) Electronics, III Year Ashish Maurya B. Sc. (H) Computer Science, III Year
27	Communication Tool Kit by Labview	Dr Ravneet Kaur and Dr Anita Kumari	Rachit Agrawal B. Sc. (H) Electronics, III Year Deepak Sharma B. Sc. (H) Electronics, III Year
28	Study of Transgenerational Epigenetic Inheritance in <i>Moina</i> Species under Hypoxia	Dr Ravi Toteja and Dr Seema Makhija	Ayush, Harshika Gautam, Pooja and Shreya Verma B. Sc. (H) Biomedical Science, I Year
29	Study of Bacteriophage through Bioinformatics and Advanced Instrumentation	Dr Urmi Bajpai	Prakhar Sonik B. Sc. (H) Biomedical Science, III Year
30	Pattern of Pupae Colouration and Pigmentation in Developing Fruit Fly	Ms Sunita Jetly	Komal, Riddhi Bhardwaj B. Sc. (H) Biomedical Science, I Year Yukti Khanna B. Sc. Life Sciences, I Year
31	An Investigation into India's Population: Population Growth Study	Dr Sanjeeta Rani and Dr Parminder Singh	Piyush Sagar, Ativir Pratap Singh B. Sc. (H) Physics, III Year

S. No.	Title of the Project	Mentor/s	Students
33	Green Synthesis and Characterization of ZnS Nanoparticles	Dr Seema Gupta	Priya Kumari B. Sc. (H) Biomedical Science, II Year
34	Foreigners' Perceptions about India	Mr Manoj Kumar Garg and Dr Joita Dhar Rakshit	Akanksha Shukla, Bhavya Saini and Sweta Singh B. Sc. (H) Biomedical Science, II Year
35	Synthesis of CdTe Quantum Dots and its Application in Metal Detection	Dr Seema Gupta	Nitish Kumar B. Sc. (H) Biomedical Science, III Year
36	Synthetic Fabrication and Optimisation of Gold Nanoparticle for the Development of Fluorescence Based Sensors	Dr Seema Gupta	Saurabh Yadav B. Sc. (H) Biomedical Science, III Year
37	Green and Low Cost Synthesis and Characterisation of ZnS Nanoparticles	Dr Seema Gupta	Shagun Sharma B. Sc. Life Sciences, III Year
38	Social Media Platform for Students and Colleges	Dr Chandra Kanta Samal	Ayush Kumar Varshney, Dhananjay Kumar and Ruman Saleem B. Sc. (H) Computer Science, I Year
39	Smplycode Programming Tutorial Application (PTA)	Dr Sharanjit Kaur	Saurabh Yadav B. Sc. Physical Sciences (Computer Science), II Year
40	An Investigation into India's Population	Dr Sanjeeta Rani Dr Parminder Singh	Piyush Sagar and Atvir Pratap Singh B. Sc. (H) Physics, III Year
41	Quartz Crystal Microbalance (QCM)	Dr Arijit Chowdhuri Dr V. Bhasker Raj	Siddharth B. Sc. Physical Sciences (Electronics), II Year



S. No.	Title of the Project	Mentor/s	Students
42	Discovery of Bacteriophages, Data Mining and Annotation and Instrumentation	Dr Urmi Bajpai	Sonia Trikha B. Sc. (H) Biomedical Science, II Year
43	To Study the Effect of Zein nanoparticles on <i>Candida albicans</i>	Dr Seema Gupta	Mani Gupta B. Sc. (H) Biomedical Science, I Year
44	Online Student Assistant	Dr Sharanjit Kaur	Jyoti Kumari and Mamta Kumari B. Sc. Physical Sciences (Computer Science), II Year

2.2. Research Projects

2.2.1. Extramurally Funded Research 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

2.3. Research Supervision

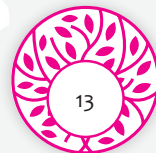
2.3.1. Post Doctoral Fellows/Foreign Students Pursuing Research under the Supervision of College Faculty

Supervisor (Department)	Post Doctoral Fellow	Area of Work and Date of Registration
Dr Sarita Kumar (Zoology)	Dr Shrankhla	UGC Post-doctoral Fellow since November, 2015
	Dr Monika Mishra	CSIR Research Associate since April 13, 2017

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

Supervisor (Department)	Ph.D. Student	Area of Work and Date of Registration
Dr Urmi Bajpai (Biomedical Science)	Ritu Arora	Structural and functional characterization of lysins from bacteriophages (Registered in November, 2017)
Dr Gagan Dhawan (Biomedical Science)	Indu Singh	Small molecule- and polymer-based bioactives: Design, synthesis and evaluation (Registered since August, 2016)
	Nishtha Agarwal	UPR and autophagy crosstalk: Potential antiviral strategy against chikungunya virus (Registered since August, 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)

contd.



Supervisor (Department)	Ph.D. Student	Area of Work and Date of Registration
Dr Chaman Singh (Mathematics)	Kamna Sharma	Development and analysis of some inventory models with product stewardship
Dr Sarita Kumar (Zoology)	Roopa Rani Samal	Biochemical Characterization of the development of resistance to neonicotinoids and pyrethroids in Indian starlings of mosquitoes <i>Aedes aegypti</i> L. Diptera: Culicidae. (Registered in January, 2016)
	Vinay Singh Dagar	Evaluation of Emamectin Benzoate as a Potential Control Agent of Cotton Bollworm <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) (Registered in September, 2016)
	Kungreiliu Panmei	CSIR, JRF, working since February 27, 2017
Dr Monisha Khanna Kapur (Zoology)	Prateek Kumar	Structural analysis of antimicrobial compounds from Actinobacteria and identification of their biosynthetic gene clusters (Registered in January, 2016)
	Munendra Kumar	Structural analysis and cloning of genes producing extracellular enzymes from Actinomycetes (Registered in November, 2017)
Dr Seema Makhija and Dr Ravi Toteja (Zoology)	S. Sripoorna	Ciliates as cellular tool to assess heavy metal toxicity (Registered in September, 2016)
	Jeeva S. Abhraham	Taxonomy, phylogeny and Molecular Systematics of fresh water ciliates from Delhi, India (Registered in November, 2017)
Dr Ravi Toteja (Department of Zoology) is recognized as Ph.D. guide 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.
Dr Urmi Bajpai (Biomedical Science)	Eniyan Kandasamy	Development of one-pot assay for screening multi-target inhibitors of Mur enzymes of <i>Mycobacterium tuberculosis</i>
Dr Chandra Kanta Samal (Computer Science)	Rama Kanta Choudhury	Implementation of reliable path planning technique for mobile robots in presence of obstacles

3. AFFILIATE OF NATIONAL AND INTERNATIONAL ORGANISATIONS

3.1 Creative Commons (CC)

Affiliate: Dr. Savithri Singh

As an affiliate of Creative Commons, Dr Savithri Singh delivered a lecture in **OpenCon 2018**. OpenCon is a platform to learn about Open Access, Open Education, and Open Data, develop critical skills, and catalyze action toward a more open system for sharing the world's information—from scholarly and scientific research, to educational materials, to digital research data. OpenCon 2018 New Delhi was an official satellite event. The primary objective behind this initiative was to make the participants knowledgeable about various open society initiatives. The conference was conducted on February 03, 2018 at Acharya Narendra Dev College, University of Delhi. It included two parallel tracks; track 1 had talks by various open society advocates, discussions on promotion of Open Access culture in India, whereas track 2 participants were trained on Wiki data including organizers and speakers, the event witnessed 54 participants.

3.2. University of Delhi at ANDC SPIE Student Chapter

Faculty Advisor: Dr Amit Garg

In an induction workshop in August, 2017, SPIE student members have been given round the year hands-on projects. The SPIE student members have been working to develop projects, kits and activities which can be employed to improve the effectiveness of outreach activities. They have been working on the following projects:

- | | |
|------------------|-------------------------------------|
| 1. Newton's Disk | 5. Transmitting sound through light |
| 2. Color mixing | 6. Anaglyph 3D |
| 3. Periscope | 7. Dispersion of Light |
| 4. Solar Lamp | |

A demonstration of all these projects is planned in the month of March in the College, along with an outreach activity.

The annual SPIE Optics + Photonics conference held in San Diego was attended by Abhishek Raiwani, B. Sc. (H) Electronics, III Year at San Diego, USA from August 06-10, 2017. He attended Leadership Workshop, talks on Metamaterials, Biosensors and Bioelectronics, workshops on inter-personal skills and CMOS imaging sensors and their applications and participated in Optics Outreach Games. Twenty teams from all over the world had set up stalls at the Outreach games and the activities were incredibly diverse. One of the chapters from Mexico had an activity to show how primary colors mix together to form other colors. Another chapter had an activity illustrating the lateral displacement of images in water. The chapter from DTU had a Newton's disk, a kaleidoscope and a microscope attachment for a phone. At our chapter's stall, we had an outreach activity illustrating the Anaglyph 3D effect aimed at middle school students illustrating how red and blue 3D glasses work. We had about a 100 handouts, the majority of which were taken by chapter officers and some teachers interested to conduct the activity in their neighbourhood schools with their chapter.

SPIE student members, Adarsh, Prsahant and Chiradeep participated in the 5th Annual Convention organized by Regional Council (Delhi & Haryana) of Indian Association of Physics Teachers (IAPT) on August 19, 2017 at the DAV School, Shreshth Vihar, New Delhi.

3.3. INNOV8: The Robotics Society

Advisor: Dr Amit Garg

The Robotics wing of SPIE organized an introductory workshop on Arduino on September 27, 2017. The workshop was attended by 25 students who got the chance to understand the basics of Arduino and simulate basic Arduino programs.

The students have also developed their own version of the classic game Pacman, called Robo-Pacman, which was showcased during the departmental fest of Electronics department.

3.4. Science Setu Programme@ ANDC

Coordinator: Dr Urmi 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.

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.

A team of four students, Jayati, Shreya, Priya Don and Sonia, won the first prize in the Science quiz organized by THSTI on their open day (September 22, 2017). One student got the prize for answering a question from the audience. Another team of two students, Vikas Shukla and Aishwarya Patnaik from Department of Botany participated in extempore competition. Two faculty members Dr Urmi Bajpai and Dr Abhishek Mehta were the coordinators from the College.

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	Ayushi Raturi	B. Sc. (H) Zoology	I	II

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

S. No.	Name	Course	Semester	Rank in UDSC
1	Mudita Sanjive	B. Sc. (H) Computer Science	I	III
2	Shivam Agarwal	B. Sc. (H) Computer Science	III	II
3	Harshita Pathak	B. Sc. Life Sciences	III	III
4	Surya Pratap Singh	B. Sc. Physical Sciences	I	II
5	Monal	B. Sc. Physical Sciences	II	II
6	Vivek Kumar	B. Sc. Physical Sciences	II	III
7	Ayushi Raturi	B. Sc. (H) Zoology	I	II
8	Harveen Kaur	B. Sc. (H) Zoology	II	II
9	Ankit Pant	B. Tech. Computer Science	IV	III

4.1.3. Merit Positions in the College

S.No.	Name	Course	Semester	Rank in College
1	Shubham Khandelwal	B. Com. (H)	I	I
2	Prateek Khurana	B. Com. (H)	I	II
3	Ritika Goyal	B. Com. (H)	I	III
4	Harman Preet Kaur	B. Sc. (H) Biomedical Science	I	I
5	Dipshi Aggarwal	B. Sc. (H) Biomedical Science	I	II



S.No.	Name	Course	Semester	Rank in College
6	Deepak Sahni	B. Sc. (H) Biomedical Science	I	III
7	Manohar Singh Bisht	B. Sc. (H) Botany	I	I
8	Aiswarya Patnaik	B. Sc. (H) Botany	I	II
9	Shubhangi Pandey	B. Sc. (H) Botany	I	III
10	Aakriti	B. Sc. (H) Chemistry	I	I
11	Gopal Krishan	B. Sc. (H) Chemistry	I	II
12	Saloni Chhabra	B. Sc. (H) Chemistry	I	III
13	Manish Manohar	B. Sc. (H) Electronics	I	I
14	Chiradeep Das	B. Sc. (H) Electronics	I	II
15	Sulekha Prasad	B. Sc. (H) Electronics	I	III
16	Tarun Kumar	B. Sc. (H) Mathematics	I	I
17	Mohd. Junaid	B. Sc. (H) Mathematics	I	II
18	Shailesh Yadav	B. Sc. (H) Mathematics	I	II
19	Jagriti Purwar	B. Sc. (H) Mathematics	I	III
20	Muskan Mishra	B. Sc. (H) Physics	I	I
21	Shivam Sharma	B. Sc. (H) Physics	I	II
22	Komal Gupta	B. Sc. (H) Physics	I	III
23	Ayushi Raturi	B. Sc. (H) Zoology	I	I
24	Khushboo	B. Sc. (H) Zoology	I	II
25	Vanya Garg	B. Sc. (H) Zoology	I	II
26	Asutosh Tiwary	B. Sc. (H) Zoology	I	III
27	Mudita Sanjive	B. Sc. (H) Computer Science	I	I

S.No.	Name	Course	Semester	Rank in College
28	Ashwani Varshney	B. Sc. (H) Computer Science	I	II
29	Mayank Tomar	B. Sc. (H) Computer Science	I	III
30	Naureen Fatima	B. Sc. (H) Computer Science	I	III
31	Surya Pratap Singh	B. Sc. Physical Sciences	I	I
32	Ankit Kumar	B. Sc. Physical Sciences	I	II
33	Abhinav Kumar Thakur	B. Sc. Physical Sciences	I	III
34	Ankush Chauhan	B. Sc. Physical Sciences	I	III
35	Sumran Karamchandani	B. Sc. Life Sciences	I	I
36	Priyanka Yadav	B. Sc. Life Sciences	I	II
37	Neha Sharma	B. Sc. Life Sciences	I	III
38	Yukti Khanna	B. Sc. Life Sciences	I	III
39	Anjali Juyal	B. Com. (H)	II	I
40	Swati Gupta	B. Com. (H)	II	II
41	Safal Golas	B. Com. (H)	II	III
42	Shailya Verma	B. Sc. (H) Biomedical Science	II	I
43	Jayati Khanna	B. Sc. (H) Biomedical Science	II	II
44	Sonia Trikha	B. Sc. (H) Biomedical Science	II	III
45	Rinki Kumari	B. Sc. (H) Botany	II	I
46	Twinkle Garg	B. Sc. (H) Botany	II	II
47	Shashikant Pandit	B. Sc. (H) Botany	II	III
48	Maneesha Chahar	B. Sc. (H) Chemistry	II	I



S.No.	Name	Course	Semester	Rank in College
49	Simran Aggarwal	B. Sc. (H) Chemistry	II	II
50	Sreya Jana	B. Sc. (H) Chemistry	II	III
51	Rachit Agrawal	B. Sc. (H) Electronics	II	I
52	Abhishek Raiwani	B. Sc. (H) Electronics	II	II
53	Pawan Kumar	B. Sc. (H) Electronics	II	III
54	Paramhans Kushwaha	B. Sc. (H) Mathematics	II	I
55	Shivangi Sinha	B. Sc. (H) Mathematics	II	II
56	Ashish Yadav	B. Sc. (H) Mathematics	II	III
57	Mayank Shukla	B. Sc. (H) Physics	II	I
58	Jatinder Pal Singh	B. Sc. (H) Physics	II	II
59	Tarun Yadav	B. Sc. (H) Physics	II	III
60	Harveen Kaur	B. Sc. (H) Zoology	II	I
61	Anirban Molla	B. Sc. (H) Zoology	II	II
62	Divya	B. Sc. (H) Zoology	II	III
63	Shubham Sharma	B. Sc. (H) Computer Science	II	I
64	Asif Raza	B. Sc. (H) Computer Science	II	II
65	Bhanu Pratap Singh Bhati	B. Sc. (H) Computer Science	II	III
66	Monal	B. Sc. Physical Sciences	II	I
67	Vivek Kumar	B. Sc. Physical Sciences	II	II
68	M. Sridevi	B. Sc. Physical Sciences	II	III
69	Aditi Sharma	B. Sc. Life Sciences	II	I

S.No.	Name	Course	Semester	Rank in College
70	Shumeila	B. Sc. Life Sciences	II	II
71	Shagun Sharma	B. Sc. Life Sciences	II	III
72	Sucheta Bist	B. Com. (H)	III	I
73	Arvind	B. Com. (H)	III	II
74	Poonam Garg	B. Com. (H)	III	III
75	Madan Khatiwada	B. Sc. (H) Biomedical Science	III	I
76	Dinesh Sharma	B. Sc. (H) Biomedical Science	III	II
77	Srishti Vajpayee	B. Sc. (H) Biomedical Science	III	III
78	Moksha Mangotra	B. Sc. (H) Botany	III	I
79	Kajol B. M. Singh	B. Sc. (H) Botany	III	II
80	Bhavna Sharma	B. Sc. (H) Botany	III	III
81	Anusha Goyal	B. Sc. (H) Chemistry	III	I
82	Pooja Sharma	B. Sc. (H) Chemistry	III	II
83	Nisha Yadav	B. Sc. (H) Chemistry	III	III
84	Mangesh Sharma	B. Sc. (H) Electronics	III	I
85	Gopi Kishan	B. Sc. (H) Electronics	III	II
86	Yash	B. Sc. (H) Electronics	III	III
87	Balbeer Singh	B. Sc. (H) Mathematics	III	I
88	Nisha Gupta	B. Sc. (H) Mathematics	III	II
89	Kanika Mehta	B. Sc. (H) Mathematics	III	III



S.No.	Name	Course	Semester	Rank in College
90	Shivani Gulati	B. Sc. (H) Mathematics	III	III
91	Deepali	B. Sc. (H) Physics	III	I
92	Rashmi Priya	B. Sc. (H) Physics	III	II
93	Gurtej Singh	B. Sc. (H) Physics	III	III
94	Km. Astha Agarwal	B. Sc. (H) Zoology	III	I
95	Vijayta Yadav	B. Sc. (H) Zoology	III	II
96	Shiv Jangra	B. Sc. (H) Zoology	III	III
97	Shivam Agarwal	B. Sc. (H) Computer Science	III	I
98	Noorul Hasan	B. Sc. (H) Computer Science	III	II
99	Mayank Gangwar	B. Sc. (H) Computer Science	III	III
100	Prashant Kumar	B. Sc. Physical Sciences	III	I
101	Priya Singh	B. Sc. Physical Sciences	III	II
102	Km. Priyansha	B. Sc. Physical Sciences	III	III
103	Harshita Pathak	B. Sc. Life Sciences	III	I
104	Barkha Aggarwal	B. Sc. Life Sciences	III	II
105	Neha	B. Sc. Life Sciences	III	III
106	Deepak Kumar	B. Tech. Electronics	IV	I
107	Amrita Kumari	B. Tech. Electronics	IV	II
108	Ashutosh Gupta	B. Tech. Electronics	IV	III
109	Ankit Pant	B. Tech. Computer Science	IV	I
110	Ipshita Mishra	B. Tech. Computer Science	IV	II
111	Avi	B. Tech. Computer Science	IV	III

4.1.4. Scholarships and Awards

4.1.4.1. Best Student Silver Jubilee Award for the Best All-Round Student

An award of Rs 10,000/- was instituted in 2016, to commemorate the Silver Jubilee Year of the College, for the Best All Round Student of the Year. This prize is awarded to a final year student who is meritorious, actively participates in various committees of the college, contributes towards research, and wins prizes/ awards for the College. Ankit Pant, B.Tech. Computer Science, IV Year was given this award for the academic session 2016-17.

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

Name of the Student	Course	Amount (Rs.)
Ms. Ayushi Raturi	B. Sc. (H) Zoology, II Year	3000/-
Mr. Mayank Shukla	B. Sc. (H) Physics, III Year	3000/-
Ms. Harveen Kaur	B. Sc. (H) Zoology, III Year	3000/-

4.1.4.3. Sh. Sultan Chand Endowment Scholarship

This fellowship for Rs. 3,500/- was awarded to Anjali Juyal of B.Com. (H), III Year for second topper of the class.

4.1.4.4. Dr (Ms) Usha Aggarwal Tejaswini Scholarship

This fellowship is awarded to meritorious second year and third year students of B.Com. (H). There are a total of three such scholarships for Rs. 3600/- each.

Name of the Student	Course	Amount (Rs.)
Shubham Khandelwal	B. Com. (H), II Year	3,600/-
Prateek Khanna	B. Com. (H), II Year	3,600/-
Safal Golas	B. Com. (H), III Year	3,600/-

4.1.4.5. D. C. Arora Scholarship

This fellowship is awarded in two categories, needy and meritorious. Each of these categories comprises of 2 scholarships of Rs 6000/- each to the students of science courses.



Meritorious category

- a) Jatinder Pal Singh – B. Sc. (H) Physics, III Year
- b) Riya Arora – B. Sc. Physical Sciences (Computer Science), II Year

Needy category

- a) Himanshu - B. Sc. Physical Sciences (Computer Science), II Year
- b) Simran – B. Sc. Life Science, 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.

Name of the Student	Course	Amount (Rs.)
Sumona Kumar	B. Sc. Physical Sciences (Electronics), I year	15,000/-

4.1.4.7. Abhinav Halen Scholarship Fund

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 instituted two annual Abhinav Halen Scholarships of Rs. 15,000/- each, for needy students of the Department of Electronics (academic session 2016-17 onwards). This year the fellowship was awarded to:

- a) Prince Sharma - B. Sc. (H) Electronics, I Year
- b) Devender Kumar Soni - B. Sc. (H) Electronics, I Year

4.1.4.8. Krishna Toteja Memorial Scholarship

The fellowship was started from the academic session 2016-17 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 is awarded to a meritorious and needy girl student of B. Sc. (H) Zoology. The fellowship for 2016-17 and 2017-18 was awarded to Manisha from B. Sc. (H) Zoology, I Year.

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. 150/- 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 ten 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	Abhishek Sharma	B. Sc. (H) Physics, III Year
2	Abhishek Bhadana	B. Sc. (H) Electronics, I Year
3	Adwait Mishra	B. Sc. (H) Zoology, I Year
4	Akash Yadav	B. Sc. (H) Electronics, I Year
5	Ankit Kumar	B. Sc. Physical Sciences (Computer Science), II Year
6	Ankur Shivhare	B. Sc. (H) Physics, I Year
7	Aqil Ali	B. Sc. (H) Electronics, I Year
8	Ayaz Ahmed Rather	B. Sc. (H) Zoology, III Year
9	Bhaskar Jyoti Parasar	B. Sc. (H) Botany, I Year
10	Deepanshu Rathur	B. Sc. (H) Physics, I Year
11	Devender Singh	B. Sc. (H) Electronics, III Year
12	Devesh Pandey	B. Sc. Physical Sciences (Chemistry), II Year
13	Gyanesh Singh	B. Sc. (H) Physics, I Year
14	Harinath Yadav	B. Sc. (H) Computer Science, I Year
15	Ibrahim Usmani	B. Sc. (H) Electronics, II Year
16	Javed Akhtar	B. Sc. Physical Sciences (Computer Science), II Year
17	Kapil Porwal	B. Sc. (H) Electronics, II Year
18	Lokesh	B. Sc. Physical Sciences (Chemistry), I Year
19	Lokesh Meena	B. Sc. (H) Mathematics, II Year
20	Maneesh Kumar	B. Sc. (H) Electronics, III Year
21	Manish	B. Sc. (H) Electronics, II Year
22	Mayank Shukla	B. Sc. (H) Physics, III Year



S. No.	Course	Name
23	Mohd. Zeeshan	B. Sc. (H) Chemistry, I Year
24	Naman Saini	B. Sc. (H) Biomedical Science, I Year
25	Pooja	B. Sc. Physical Sciences (Chemistry), I Year
26	Priya Khichi	B. Sc. Physical Sciences (Computer Science), I Year
27	Shiva Srivastava	B. Sc. (H) Physics, III Year
28	Shivam Kumar	B. Sc. (H) Chemistry, I Year
29	Shrishti Kumar	B. Com. (H), II Year
30	Simran Gupta	B. Sc. Life Science, I Year
31	Suhani	B. Sc. Physical Sciences (Chemistry), I Year
32	Thomas Kumar Mehra	B. Com. (H), I Year

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. There are six fellowships worth Rs. 6,000/- each and is awarded to needy cum deserving students of B. Sc. (H) Electronics and B. Sc. Physical Sciences (Computer Science). This year the following students were selected for the award:

- i. B. Sc. (H) Electronics
 - a) Mohan Dubey, II Year
 - b) Ram Avatar, II Year
 - c) Rahul Chawla, I Year
- ii. B. Sc. Physical Sciences (Computer Science)
 - a) Robin Singh, II Year
 - b) Akash, II Year
 - c) Nisha, I Year

4.1.4.11. Award to “Topper Meritorious Students of Academic Session of 2016-17 studying in Government funded Colleges”

Name	Course	Amount
Monal	B. Sc. Physical Sciences, II Year	10,000/-

4.1.4.12. World Brotherhood Organisation:

This organization awards scholarships to over 188 girl children of Delhi Colleges. This year an award of Rs. 7,730/- was given to Pooja Kumari, B. Sc. (H) Physics, I Year.

4.1.4.13. श्रद्धांजलि: Dr Saumya Saxena Students Endowment Scholarship

The Alumni of B. Sc. (H) Botany has created a scholarship fund in the honour of their beloved teacher Dr Saumya Saxena who passed away on March 23, 2017. This endowment scholarship is being created through voluntary contribution made by students whom Dr Saumya Saxena had taught in the previous years. The fund is called as Dr Saumya Saxena Students Endowment fund with name of the scholarship as “श्रद्धांजलि: Dr Saumya Saxena Students Endowment Scholarship”. The interest earned shall be used for awarding two scholarships worth Rs.6000/- each every year for students of B. Sc. (H) Botany. The scholarships will be need-cum-merit: one for the second year student (based on need and the first year performance) and one for the third year student (based on need and the second year performance).

4.1.4.14. Dr Saumya Saxena Memorial Scholarship

Dr Harsh Kumar husband of Dr Saumya Saxena, has set up a scholarship by donating a sum of Rs. 5,00,000/- (Rupees Five Lakh only). The income from this fund will be used for granting Scholarship to a meritorious but financially challenged girl student in Department of Botany and towards holding of Dr Saumya Saxena memorial lecture.

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
Shailya Verma & Jayati Khanna B. Sc. (H) Biomedical Science, III Year Manohar Singh Bisht, Pooja Verma and Aiswarya Patnaik B. Sc. (H) Botany, II Year	1st Position in the Quiz Competition organized on the Open Day programme at Translational Health Science and Technology Institute (THSTI) on September 22, 2017 jointly organized by THSTI, Faridabad and Vijnana Bharati (VIBHA) under India International Science Festival (IISF), 2017.
Ravina Tondan B. Sc. (H) Chemistry, III Year	1st Prize in Poster Presentation on “Remediation of Heavy Metal ion Toxicity from Waste Water Using Functionalized Chitin” at the International Conference of the Public Health Foundation of India and Pacific Basin Consortium, November 14-16, 2017.
Pritam Kashyap B. Sc. (H) Botany, III Year	1st Prize in Triathlon of Knowledge, an Inter-college competition on Climate Change organized by Department of Environmental Studies and Tatva: Eco Club; Ramanujan College, University of Delhi, on September 23, 2017. Awarded ‘Best Interjector’, in Prof. B.M. Johri Rolling Shield Competition organized by Department of Botany; Delhi University Botanical Society (D.U.B.S), University of Delhi, on March 28-29, 2017.
Manish Tiwary B. Sc. Physical Sciences (Electronics), III Year	3rd Prize in the Intercollege PowerPoint Presentation Competition organized by Department of Mathematics, Shyama Prasad Mukherji College for Women, University of Delhi on February 15, 2018.
Shrutika Jha B. Sc. (H) Biomedical Science, III Year Sonajali Aneja B. Sc. (H) Biomedical Science, II Year Ritika Madaan B. Sc. (H) Biomedical Science, III Year	3rd Prize at Print Journalism Competition "Reportage" at Mood Indigo, IIT Bombay 2017.

Name of the Student, Course	Details of the Event
Ritika Madaan B. Sc. (H) Biomedical Science, III Year Riddhi Bhardhawj B. Sc. (H) Biomedical Science, II Year	3rd Prize at IIT Delhi cultural fest 2017 in Mime- The Silent Act on LGBT (Lesbian, Gay, Bisexual and Transgender) held in October 2017.
Ritika Madaan B. Sc. (H) Biomedical Science, III Year	Selected for pursuing a project on “Practice of AYUSH treatment in Breast Cancer Care in India” under Student Mentorship Programme organized by All India Institute of Medical Sciences (AIIMS) and Indian Society of Clinical Oncology (ISCO) along with Pink Chain Campaign (PCC) from December 18, 2018- Present.
Akhila A. B. Sc. (H) Biomedical Science, I Year	Selected for the Summer Research Fellowships Programme 2018 at Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru.
Shailya Verma B. Sc. (H) Biomedical Science, III Year	Selected for IASc-INSa-NASi Summer fellowship 2017, under Prof. Mukesh Kumar at Bhabha Atomic Research Centre, Mumbai (June-July 2017). Project entitled-Structure based drug designing using Ribosome as target.
Charu Sood B. Com. (H), II Year	Second Prize in Rangoli Competition at Annual Flower Show organized by University of Delhi on February 23, 2018.

4.1.5.2. Participation by Students in Various Conferences/Workshops

Name of the Student, Course	Details of the Event
Jayati Khanna B. Sc. (H) Biomedical Science, III Year	Oral presentation at Pulsating Minds, 2017 organised by AIIMS, New Delhi. Presentation title-Characterization of immune responses mediated by <i>Mycobacterium tuberculosis</i> protein Rv3529c in macrophages.
	Participated in Summer Undergraduate Research Programme, 2017 organised by ACBR.

Name of the Student, Course	Details of the Event
Pritam Kashyap B. Sc. (H) Botany, III Year	Participated in Sweden- India Nobel Memorial Quiz, organized by Indraprastha College for Women, University of Delhi, in October 2017.
	Participated in Urjaa- The Battle of Words Youth Parliament on Special Status to Jammu and Kashmir under Article 370 and 35-A for Lok Sabha Committee as Kamal Nath (Chhindwara, Madhya Pradesh) organized by Ideal Institute of Management and Technology and School of Law, October 6-7, 2017.
	Participated in Ghaziabad Diplomacy Summit, Historic AIPPM as P.V. Narasimha Rao in Operation Blue Star, 1984 organized by Krishna Engineering College, October 14-15, 2017.
Ritika Madaan B. Sc. (H) Biomedical Science, III Year	Participated in National Conference and Workshop on 'Trends and Scope of Forensic Science' held on April 11-12, 2017 at the Department of Biomedical Science, Acharya Narendra Dev College, University of Delhi.
	Participated as a volunteer at a one day workshop on 'Forensic examination of documents' organized by the Department of Biomedical Science, Acharya Narendra Dev College, University of Delhi on June 16, 2017.
Ritika Madaan B. Sc. (H) Biomedical Science, III Year	Participated as Delegate in ISCO Preceptorship Programme on Non-Small-Cell Lung Cancer held on December 24, 2017, organized by NCI-INDIA, AIIMS, New Delhi.
	Participated in Lecture workshop on Ingenuity in Biological Sciences held on January 11-12, 2018, organised by Gargi College, University of Delhi in association with Science Academics.

Name of the Student, Course	Details of the Event
Manohar Singh Bisht, Pooja Verma, Hemant Bisht, Kumari Divya B. Sc. (H) Botany, II Year Pritam Kashyap B. Sc. (H) Botany, III Year	Participated in the workshop on 'Gardening: Cultivate Learning and Living' organized by SGTB Khalsa College, University of Delhi, September 20, 2017.
Pooja, Manohar, Shivani Sundal, Medha Jha, Aiswarya Patnaik & Shubhangi Pandey B. Sc. (H) Botany, II Year	Visited Institute of Genomics and Integrative Biology (IGIB) on September 26, 2017, for an Interaction Session for supercomputer, fluorescent microscope, DNA Barcoding Machines, Microscopes and various methodologies involved in research.
Pritam Kashyap, Utkarsh Garg, Rishabh Mirchandani, Pratyaksh Singh & Ravi Dwivedi B. Sc. (H) Botany, III Year	Presented an 'Air Pollution Model' in International conference on air pollution "Health Advisories" organized by Indian Medical Association (I.M.A) and CMAOO, New Delhi, India. March 10, 2017.
Pritam Kashyap, Parul Dev, Rinki Kumari, Megha Yadav B. Sc. (H) Botany, III Year	Presented poster entitled ' <i>Lemna gibba</i> , <i>Spirodela polyrhiza</i> , <i>Wolffia globosa</i> in Aquatic Phytoremediation' at: International Conference on Advancing Green Chemistry: Building a Sustainable Tomorrow organized by Green Chemistry Network Centre, Department of Chemistry, Hindu College, University of Delhi, October 03-04, 2017.
Vaibhav Singh, B. Sc. (H) Computer Science, I Year Shubham Sharma B. Com. (H), II Year	Selected to attend the National Entrepreneurship Network (NEN) workshop
Rahul Chawla B. Sc. (H) Electronics, I Year Jatin Arora, B. Com. (H), II Year	Selected to attend the e-Leader training program held by the ministry of skill development and entrepreneurship at NEISBUD, NOIDA and were awarded by certificates by the ministry of skill development

4.1.5.3. Book Chapter/Articles by Students

Name of the Student, Course	Details of the Publication
Anand Kumar Bharti, Utkarsh Garg, Aparva Malik B. Sc. (H) Botany, III Year	' <i>Moringa oleifera</i> L.: A neglected multipurpose plant with immense medicinal potential'. Title of the Book: Scope of Phytochemically Unexplored Medicinal Plants. Publishers: Enriched Publications, New Delhi. ISBN No. 978-1-63535-013-5.
Pritam Kashyap B. Sc. (H) Botany, III Year	'Impact of Electronic Media in Delivering Cancer Related Facts to General Population'. Under the 'Students Mentorship Program' from December 18-31, 2017 on Common Issues in Cancer Care in India by Indian Society of Clinical Oncology (All India Institutes of Medical Sciences, New Delhi) and Pink Chain Campaign.
Senjuti Sengupta B. Sc. (H) Zoology, II Year	'Human development without the depletion of natural resources'. Title of the newsletter: Delhi Education Buzz, a government newsletter, August 2017 edition.

4.1.5.4. Participation in National Science Day, INSA, New Delhi

Co-ordinator: Dr Gagan Dhawan

The Indian National Science Academy (INSA), Delhi and the Indian Academy of Sciences (IAS), Bengaluru along with University of Delhi colleges jointly celebrated the National Science Day on February 28, 2018 at INSA Auditorium, New Delhi.

The celebrations included:

- I. Lectures by eminent scientists/academicians/researchers.
- II. Debate and quiz for students of various colleges. Topic of Debate: "Scientific Issues for the Development of the Nation".
- III. An opportunity for each college to display science projects that are either being carried out at the college level with undergraduate students or are

proposed to be carried out in the near future. The projects could also be innovative in nature.

IV. Posters were put up by the college students.

Following posters and projects/models were selected from the college for National Science Day 2018 celebrations:

S.No.	Event	Topic name	Teacher's name	Student's name
1	Poster	Ultraviolet B Induced Protection Strategies in Unicellular Eukaryotic Microbes, Ciliates.	Dr Ravi Toteja (Zoology)	Hritik Kadian B. Sc. (H) Zoology, III Year
2	Project	Brain-Controlled Wheelchair	Dr Amit Garg (Electronics)	Abhishek Raiwani B. Sc. (H) Electronics, III Year
3	Project	Light in Action		Adarsh Maurya B. Sc. (H) Electronics, III Year
4	Poster	Promotion of Optics and Photonics		Hardik Minocha B. Sc. (H) Electronics, I Year
5	Poster	Mitigating Ambient Air Pollution – the Long and Short of it	Dr Arijit Chowdhuri, (Physics)	Jatinder Pal Singh and Priya Chopra B. Sc. (H) Physics, III Year

The event was inaugurated by Dr Satyapal Singh, Hon'ble Union Minister of State for Human Resource Development; Water Resources, River Development and Ganga Rejuvenation. During the event, a total of 32 posters and 27 projects were put on display by different colleges of University of Delhi.

The project "Brain-Controlled Wheelchair" won the Second Prize in the Project Category. Sibaram Sadangi of B. Sc. Biomedical (H), II Year won the second prize in debate competition.



4.1.5.5. Youth Parliament Competition

Coordinator: Dr Abhishek K. Mehta

The College participated in the 14th National Youth Parliament Competition for Colleges and Universities 2017. The competition is organized by Ministry of Parliamentary Affairs, Govt. of India. More than 50 teams participated in the competition this year. The group level event was conducted on the college premises on August 30, 2017. The College team had 55 students from various courses. Dr Dinesh Arora from DAV College Jalandhar, the group coordinator and Dr Anubha Mukherji, Associate Professor, Deen Dayal Upadhyay College, DU were judges for the Competition. The judges applauded the performance and encouraged the students by sharing their observations. Six students were selected for their exemplary roles.

4.2. The Students' Council

The Students' Council elections were held on September 14, 2017. The following students were elected:

Students' Council Post	Name of the Student	Course
Mayor	Supreet Shukla	B. Sc. Physical Sciences (Computer Science), II Year
Deputy Mayor	Srishti Alchoni	B. Sc. (H) Computer Science, III Year
Council Secretary	Aniket Verma	B. Sc. (H) Chemistry, II Year
Treasurer	Deepak Sharma	B. Sc. (H) Electronics, III Year
Cultural Secretary	Sagar Jha	B. Sc. Life Sciences, III Year
Student Representative (Grievances)	Siddharth Jain	B. Com (H) Sec A, I Year
Student Representative (Sports)	Harshvardhan Singh Chundawat	B. Sc. Life Sciences I Year
Student Representative (Placement Cell)	Himanshu Juneja	B. Com (H) Section A, III Year
Student Representative (Women Empowerment)	Shivangi Pandey	B. Sc. (H) Botany, II Year

4.3. Class Representatives

Course	Year	Name
Biomedical Science	I	Akhila A
	II	Mani Gupta
	III	Saurabh Yadav
Botany	I	Moumi Das
	II	Shivangi Pandey
	III	Pratyaksh Singh
Biomedical Science	I	Akhila A
	II	Mani Gupta
	III	Saurabh Yadav
Chemistry	I	Shivam Rajput
	II	Piyush Shah
	III	Pankaj Gangwar
Commerce	I A	Siddharth Jain
	I B	Sonu
	II A	Jatin Arora
	II B	Shubham Verma
	III A	Himanshu Juneja
	III B	Umesh Rathaur
Computer Science	I	Kishan Sharma
	II	Deepanshu Banerjee
	III	Lagnesh Prakash
Electronics	I	Rahul Chawla
	II	Mohan Dubey
	III	Anand Pandey
Life Sciences	I	Harsh Vardhan Singh Chundawat
	II	Mohit Yadav
	III	Sarthak Khurana
Maths	I	Nilesh Singh
	II	Neeraj Varshney
	III	Bhagat Singh

Course	Year	Name
Physics	I	Ankur Shivhare
	II	Prem Shankar Jha
	III	Ajay Yadav
Physical Sciences (Computer Science)	I	Bhanu Uday Singh
	II	Lakshay Singh
	III	Sumit Yadav
Physical Sciences (Electronics)	I	Shainky Rana
	II	Mrigank Yadav
	III	Ravinder
Physical Sciences (Electronics)	I	Sumit Karan Dev
	II	Praveen Kumar
	III	Vivek Kumar
Zoology	I	Deepali Singh
	II	Tanya Sharma
	III	Prateek Trivedi

4.4 Result Analysis

Assessment is an integral part of any education system as it is an impartial indicator of a student's performance and instrumental in certifying the academic standards accomplished by a student. In this regard, Delhi University has prescribed the guidelines for the assessment and examination for the Three year undergraduate programme under CBCS (Choice Based Credit System).

University Guidelines

The examination scheme of University of Delhi is as follows:

Computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

1. The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

$$SGPA (S_i) = \sum (C_i * G_i) / \sum C_i$$
 where C_i is the number of credits of the i th course and G_i is the grade point scored by the student in the i th course.

2. The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$CGPA = \frac{\sum(C_i * S_i)}{\sum C_i}$ where S_i is the SGPA of the i th semester and C_i is the total number of credits in that semester.

3. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

The Delhi University follows a 10 -point grading system with the following letter grades as given below:

Table: **Grades and Grade Points**

Grade	Grade Point
O (Outstanding)	10
A+ (Excellent)	9
A (Very Good)	8
B+ (Good)	7
B (Above Average)	6
C (Average)	5
P (Pass)	4
F (Fail)	0
Ab (Absent)	0

Methodology:

The result analysis has been carried out on the basis of the data provided by individual departments.

The result is obtained in three categories:

- a) College performance
- b) Departments performance
- c) Semester wise performance of departments

In semester-wise performance of Departments, All the students, who have passed the CBCS I sem, II sem (I Year) examination have been slotted in the ranges given below as per the SGPA and CGPA obtained by them:

- $9 \leq \text{SGPA/CGPA} \leq 10$
- $8 \leq \text{SGPA/CGPA} < 9$
- $7 \leq \text{SGPA/CGPA} < 8$
- $6 \leq \text{SGPA/CGPA} < 7$

College Performance

Total number of students Appeared in CBCS I year Examination = 639

Total number of students Passed in CBCS I year Examination = 621

$$\begin{aligned} \text{Pass Percentage} &= \frac{\text{Total no. of students passed in CBCS I year Examination}}{\text{Total no. of students appeared in CBCS I year Examination}} \times 100 \\ &= \frac{621}{639} \times 100 = 97.81\% \end{aligned}$$

Performance Analysis - Department-wise

The CBCS I year examination were held in the months of November-December, 2016 and May-June, 2017.

The Table 1 indicates the Pass Percentage of various departments in 2017.

Table 1: Comparative Pass% of various Departments in 2017 for CBCS I year

S.No.	Name of Department	Pass %
1	Biomedical Science	97.37
2	Botany	95
3	Chemistry	90.91
4	Commerce	100
5	Computer Science	93
6	Electronics	100
7	Mathematics	100
8	Physics	97.73
9	Zoology	100
10	PMC	95.74
11	PMCS	100
12	PME	100
13	Life Science	91.30

Inference:

Ten courses out of thirteen have a Pass Percentage greater than 95 with six departments securing a centum (100%).

Analysis of first semester

Table 2 and 3 indicates the total number and percentage of students, who have obtained the desired SGPA in CBCS I semester examination, in each department.

Table 2: Department-wise Count of Students obtaining the desired SGPA (CBCS I Sem, 2017)

DEPT.	SPGA				TOTAL STUDENTS
	9-10	8-9	7-8	6-7	
BMS	1	7	11	10	38
BOTANY	0	3	13	10	40
CHEMISTRY	2	7	18	7	44
COMMERCE	1	10	22	36	96
Computer Science	3	10	6	8	45
ELECTRONICS	0	3	9	11	41
MATHS	0	9	15	17	51
PHYSICS	0	11	12	10	44
ZOOLOGY	3	16	13	8	47
PMC	0	1	12	17	47
PME	0	5	7	18	40
PMCS	1	6	15	10	43
LS	0	0	14	27	63

Table 3: Department-wise Percentage of Students obtaining the desired SGPA (CBCS I Sem, 2017)

DEPT.	SPGA			
	9-10	8-9	7-8	6-7
BMS	2.63	18.42	28.95	26.32
BOTANY	0.00	7.50	32.50	25.00
CHEMISTRY	4.55	15.91	40.91	15.91
COMMERCE	1.04	10.42	22.92	37.50
COMPUTER SCIENCE	6.67	22.22	13.33	17.78



ELECTRONICS	0.00	7.32	21.95	26.83
MATHS	0.00	17.65	29.41	33.33
PHYSICS	0.00	25.00	27.27	22.73
ZOOLOGY	6.38	34.04	27.66	17.02
PMC	0.00	2.13	25.53	36.17
PME	0.00	12.50	17.50	45.00
PMCS	2.33	13.95	34.88	23.26
LS	0.00	0.00	22.22	42.86

Inference:

1. Departments of Computer Science and Zoology have performed well with a good number of students scoring SGPA in the range of 9-10.
2. In the Honors courses, besides B. Com. the department of Mathematics has the maximum percentage of students with SGPA more than 6.0
3. In the Physical Science Courses, B. Sc. Physical Science (Computer Science) scored highest SGPA in the range 8-9 in CBCS I semester examination.

Analysis of second semester

Table 4 and 5 indicates the total number and percentage of students, who have obtained the desired SGPAs in CBCS II semester examination, in each department.

Table 4: Department-wise Count of Students obtaining the desired SGPA (CBCS II Sem, 2017)

DEPT.	SPGA				TOTAL STUDENTS
	9-10	8-9	7-8	6-7	
BMS	0	9	14	7	38
BOTANY	0	5	14	7	40
CHEMISTRY	0	9	11	11	44
COMMERCE	0	2	15	33	96
CS	3	8	11	7	45
ELECTRONICS	0	5	12	12	41
MATHS	6	12	13	10	51
PHYSICS	0	7	16	9	44

ZOOLOGY	6	9	18	6	47
PMC	0	0	12	19	47
PME	1	9	10	10	40
PMCS	1	6	10	13	43
LS	0	6	11	18	63

Table 5: Department-wise percentage of Students obtaining the desired SGPA (CBCS II Sem, 2017)

DEPT.	SPGA			
	9-10	8-9	7-8	6-7
BMS	0.00	23.68	36.84	18.42
BOTANY	0.00	12.50	35.00	17.50
CHEMISTRY	0.00	20.45	25.00	25.00
COMMERCE	0.00	2.08	15.63	34.38
CS	6.67	17.78	24.44	15.56
ELECTRONICS	0.00	12.20	29.27	29.27
MATHS	11.76	23.53	25.49	19.61
PHYSICS	0.00	15.91	36.36	20.45
ZOOLOGY	12.77	19.15	38.30	12.77
PMC	0.00	0.00	25.53	40.43
PME	2.50	22.50	25.00	25.00
PMCS	2.33	13.95	23.26	30.23
LS	0.00	9.52	17.46	28.57

Inference:

1. The above shows that the students of B. Sc.(H) Mathematics II semester and B. Sc (H) Zoology Science II semester have done well, scoring highest SGPA in the range of 9-10 in CBCS II sem examination, than all other courses.
2. The above indicates that the students enrolled in four courses: B. Sc. (H) Bio Medical Science II semester, B. Sc. (H) Botany II semester, B. Sc. (H) Physics II semester and B. Sc. (H) Zoology II semester have done reasonably well as more than 35 % of their students have scored SGPA in the range of 7-8 in CBCS II sem examination, than all other courses.

Analysis of first year

Table 6 and 7 indicates the total number and percentage of students, who have obtained the desired CGPAs in CBCS I year examination, in each department.

Table 6: Department-wise Count of Students obtaining the desired CGPA (CBCS I year, 2017)

DEPT.	CGPA				TOTAL STUDENTS
	9-10	8-9	7-8	6-7	
BMS	0	8	12	9	38
BOTANY	0	3	15	8	40
CHEMISTRY	1	8	15	9	44
COMMERCE	0	3	21	36	96
CS	2	10	10	5	45
ELECTRONICS	0	3	9	15	41
MATHS	1	12	17	10	51
PHYSICS	0	7	16	9	44
ZOOLOGY	4	13	14	9	47
PMC	0	0	12	18	47
PME	0	6	12	22	40
PMCS	1	6	12	13	43
LS	0	2	12	24	63

Table 7: Department-wise Percentage of Students obtaining the desired CGPA (CBCS I year, 2017)

DEPT.	CGPA			
	9-10	8-9	7-8	6-7
BMS	0.00	21.05	31.58	23.68
BOTANY	0.00	7.50	37.50	20.00
CHEMISTRY	2.27	18.18	34.09	20.45
COMMERCE	0.00	3.13	21.88	37.50
CS	4.44	22.22	22.22	11.11
ELECTRONICS	0.00	7.32	21.95	36.59
MATHS	1.96	23.53	33.33	19.61
PHYSICS	0.00	15.91	36.36	20.45
ZOOLOGY	8.51	27.66	29.79	19.15
PMC	0.00	0.00	25.53	38.30

PME	0.00	15.00	30.00	55.00
PMCS	2.33	13.95	27.91	30.23
LS	0.00	3.17	19.05	38.10

Inference:

1. The results of above table shows that the students of B. Sc. (H) Zoology I Year course have performed the best by scoring the highest CGPA in the range of 9-10 in CBCS I year examination, than all other courses.
2. The above indicates that of all the college students, who successfully passed the CBCS

I year examination –

- ✓ 12.68 % students have scored CGPA in the range 8-9.
 - ✓ 27.70 % students have scored CGPA in the range 7-8.
3. The above also reflects that 71.05 % of the total strength of students, who successfully passed the CBCS I year examination, have scored a CGPA more than 6.0

Analysis of third semester

Table 8 and 9 indicates the total number and percentage of students, who have obtained the desired SGPA's in CBCS III semester examination, in each department.

Table 8: Department-wise Count of Students obtaining the desired SGPA (CBCS III Sem, 2017)

DEPT.	SPGA				TOTAL STUDENTS
	9-10	8-9	7-8	6-7	
BMS	0	5	12	11	34
BOTANY	0	13	12	11	40
CHEMISTRY	1	5	8	10	36
COMMERCE	0	7	40	41	99
CS	1	10	7	6	41
ELECTRONICS	0	6	6	7	28
MATHS	2	4	11	5	35
PHYSICS	3	7	6	7	31
ZOOLOGY	5	15	11	7	40

PMC	1	6	11	6	35
PME	2	4	6	6	34
PMCS	0	1	13	6	28
LS	0	3	16	10	46

Table 9 Department-wise Percentage of Students obtaining the desired SGPA (CBCS III Sem, 2017)

DEPT.	SGPA			
	9-10	8-9	7-8	6-7
BMS	0	14.71	35.29	32.35
BOTANY	0	32.5	30	27.5
CHEMISTRY	2.78	13.89	22.22	27.78
COMMERCE	0	7.07	40.4	41.41
CS	2.44	24.39	17.07	14.63
ELECTRONICS	0	21.43	21.43	25
MATHS	5.71	11.43	31.43	14.29
PHYSICS	9.68	22.58	19.35	22.58
ZOOLOGY	12.5	37.5	27.5	17.5
PMC	2.86	17.14	31.43	17.14
PME	5.88	11.76	17.65	17.65
PMCS	0	3.57	46.43	21.43
LS	0	6.52	34.78	21.74

Inference:

1. The above indicates that B. Sc. (H) Zoology sem III has the maximum percentage of students with SGPA in the range 9-10.
2. In the Honors' courses, besides Biomedical Science, the department of Commerce has the maximum percentage of students with SGPA in the range 7-8 in CBCS III semester examination.
3. In the Physical Science Courses, B.Sc Physical Science (Computer Science) scored highest SGPA in the range 7-8 in CBCS III semester examination.
4. The above indicates that B. Sc. (H) Botany semester III has the maximum percentage (90%) of students Securing SGPA more than 6.0 in CBCS III semester examination.

Analysis of fourth semester

Table 10 and 11 indicates the total number and percentage of students, who have obtained the desired SGPA's in CBCS II semester examination, in each department.

Table 10: Department-wise Count of Students obtaining the desired SGPA (CBCS IV Sem, 2017)

DEPT.	SPGA				TOTAL STUDENTS
	9-10	8-9	7-8	6-7	
BMS	1	10	9	10	34
BOTANY	1	8	13	7	40
CHEMISTRY	3	1	11	10	36
COMMERCE	0	7	24	42	99
CS	1	8	9	7	41
ELECTRONICS	0	2	10	5	28
MATHS	3	8	12	6	35
PHYSICS	3	6	4	6	31
ZOOLOGY	3	12	7	11	40
PMC	2	8	11	6	35
PME	0	2	4	9	34
PMCS	0	3	5	11	28
LS	0	6	18	8	46

Table 11: Department-wise percentage of Students obtaining the desired SGPA (CBCS IV Sem, 2017)

DEPT.	SPGA			
	9-10	8-9	7-8	6-7
BMS	2.94	29.41	26.47	29.41
BOTANY	2.5	20	32.5	17.5
CHEMISTRY	8.33	2.78	30.56	27.78
COMMERCE	0	7.07	24.24	42.42
CS	2.44	19.51	21.95	17.07
ELECTRONICS	0	7.14	35.71	17.86
MATHS	8.57	22.86	34.29	17.14
PHYSICS	9.68	19.35	12.9	19.35



ZOOLOGY	7.5	30	17.5	27.5
PMC	5.71	22.86	31.43	17.14
PME	0	5.88	11.76	26.47
PMCS	0	10.71	17.86	39.29
LS	0	13.04	39.13	17.39

Inference:

1. The above indicates that B. Sc. (H) Physics Sem IV has the maximum percentage of students with SGPA in the range 9-10.
2. The above shows that the students of B. Sc. (H) Bio Medical and B. Sc.(H) Zoology courses have done well, scoring highest SGPA in the range of 8-9 in CBCS IV Semester examination, than all other courses.
3. In Pass courses B. Sc. Life Science has done very well as approximately 40% of their students have scored in the range 7-8 in CBCS Semester IV examination.
4. The above indicates that B. Sc. (H) Bio Medical Science Semester IV has the maximum percentage (88.23%) of students Securing SGPA more than 6.0 in CBCS IV Semester examination.

Analysis of second year

Table 12 and 13 indicates the total number and percentage of students, who have obtained the desired CGPAs in CBCS II year examination, in each department.

Table 12: Department-wise Count of Students obtaining the desired CGPA (CBCS II yr, 2017)

DEPT.	CGPA				TOTAL STUDENTS
	9-10	8-9	7-8	6-7	
BMS	0	7	12	9	34
BOTANY	0	9	14	12	40
CHEMISTRY	1	4	10	9	36
COMMERCE	0	6	32	46	99
CS	1	10	7	6	41
ELECTRONICS	0	3	9	5	28
MATHS	0	5	16	5	35
PHYSICS	1	6	4	10	31
ZOOLOGY	4	11	16	3	40
PMC	5	8	10	7	35

PME	1	1	7	24	34
PMCS	0	2	9	8	28
LS	0	4	16	13	46

Table 13: Department-wise Percentage of Students obtaining the desired CGPA (CBCS II yr, 2017)

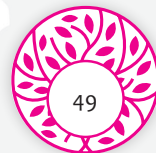
DEPT.	CGPA			
	9-10	8-9	7-8	6-7
BMS	0	20.59	35.29	26.47
BOTANY	0	22.5	35	30
CHEMISTRY	2.78	11.11	27.78	25
COMMERCE	0	6.06	32.32	46.46
CS	2.44	24.39	17.07	14.63
ELECTRONICS	0	10.71	32.14	17.86
MATHS	0	14.29	45.71	14.29
PHYSICS	3.23	19.35	12.9	32.26
ZOOLOGY	10	27.5	40	7.5
PMC	14.29	22.86	28.57	20
PME	2.94	2.94	20.59	70.59
PMCS	0	7.14	32.14	28.57
LS	0	8.7	34.78	28.26

Inference:

1. The results of above table shows that the students of B. Sc. Physical Science (Chemistry) II Year course have performed the best by scoring the highest CGPA in the range of 9-10 in CBCS II year examination, than all other courses.
2. The above indicates that of all the college students, who successfully passed the CBCS

II year examination –

- ✓ 14.42 % students have scored CGPA in the range 8-9.
 - ✓ 30.74 % students have scored CGPA in the range 7-8.
 - ✓ 29.79 % students have scored CGPA in the range 6-7.
3. The above also reflects that 77.42 % of the total strength of students, who successfully passed the CBCS II year examination, have scored a CGPA more than 6.0



5. ACHIEVEMENTS OF FACULTY

5.1. निष्ठा: ANDC Service Award

College has instituted a service award **निष्ठा: ANDC Service Award** to felicitate the college employees for completing given years of service from 2017-18. Award has been constituted for employees that include teaching staff and non-teaching staff working in substantive capacity and Principal rendering given years of regular service to the college. Teaching and non-teaching staff completing twenty five years of regular service at Acharya Narendra Dev College and Principal completing ten years at ANDC shall be eligible for this award. It will be a commemorative award consisting of a specially designed plaque, shawl and a certificate. Award shall be given on Annual Day Celebrations of the College every year.

Principal, Dr Savithri Singh, has completed ten years of services on 15.11.2015 and following is the list of Faculty Members who have completed twenty five years or more of service as on 31.12.2017 for this Award.

S.No.	Name	Department	Date of Joining in the college
1.	Dr Sunita Hooda	Chemistry	18.09.1992 (AN)
2.	Dr Seema Gupta	Chemistry	19.09.1992
3.	Dr Sanjeeta Rani	Physics	24.09.1992
4.	Dr Mamta Bhatia	Physics	29.09.1992
5.	Ms Sangeeta Relan	Commerce	16.10.1992
6.	Dr Manisha Verma	Physics	16.10.1992
7.	Ms Sadhna Gupta	Commerce	26.10.1992

5.2. Achievements of Dr Savithri Singh, Principal

S. No.	Achievement	Year
1.	Member, committee for revision of rates of remuneration payable at different levels for conduct of practical examinations, University of Delhi	2018
2.	Invited to participate in a series of two sessions organized during Mobile Learning Week, a UNESCO flagship ICT in education conference	March, 2018

S. No.	Achievement	Year
	(a) The side vent on the Ljubljana OER Action Plan to be held on March 28, 2018. (b) An expert consultation on the draft OER recommendation to be held on March 29, 2018	
3.	Delivered a talk “Introduction to Indian Birds and Birds Watching” in one day seminar on ‘Wanderers of Nature: Exploring the Wildlife’, Gargi College, University of Delhi	March 12, 2018
4.	Member, Annual Flower Show Committee of University of Delhi	February 23, 2018
5.	Member, Photography Competition in Annual Flower Show of University of Delhi	February 23, 2018
6.	Invited talk in an International Seminar on “Role of libraries in managing open education resources” at Dr. B.R. Ambedkar University, Delhi	February 5, 2018
7.	Member, DST selection Committee for National award for women Development through application of science and technology for individuals and institutions	January, 2018
8.	Member, Science Courses Admission Committee, University of Delhi	2018
9.	Participated, Internet Universality Indicators for Safe, Secure and Inclusive Cyberspace for Sustainable Development, event organized by UNESCO, New Delhi in collaboration with the Ministry of Electronics and IT, Government of India in the run-up to the Global Conference on Cyberspace	November 17, 2017
10.	World Ecology Environment and Development (WEED) Award presented by International Association of Educators for World Peace affiliated to United Nations (ECOSOC, UNDPI, UNICEF, UNESCO) at 26th World Environment Congress)	November 2017
11.	Presented a paper “OER Adoption in India” at the OpenED17: The 14th Annual Open Education held in Anaheim, California, USA.	October 11-13, 2017
12.	Invited under the Indo-Slovenia Project entitled “Exposure-response assessment of Ambient Air Pollution (AAP) and Hg contamination in affected cities of India and Slovenia: A comparative study”	September 8-17, 2017



S. No.	Achievement	Year
	as part of the India-Slovenia Inter-Governmental programme of Cooperation in Science and Technology.	
13.	UNESCO support for attending 2nd World Open Education Resource (OER) Congress, Ljubijana, Slovenia. Delivered talk on “Issues of language and culture in creating and using OER in India”	September 18-20, 2017
14.	Invited for the talk on ‘Digital Licensing: Issues and Challenges’ during one day seminar on Digital Licensing: Smart Decisions for Smart Libraries’ National Law University	August 9, 2017
15.	Coordinator, UG admissions of Extra Curricular Activities- Photography	August 9, 2017
16.	Member, Admissions of Applied Science Courses, University of Delhi	2017
17.	Vice-Chancellor Nominee, Executive Committee, Delhi University Sports Council.	2017-18
18.	Member, Executive Council, University of Delhi	April, 2017 onwards
19.	Co-Chair, Attendance Committee, University of Delhi to develop and to implement an efficient system to record and monitor the attendance of students in colleges and Departments of the University of Delhi.	2017
20.	Member, 94th Annual Convocation, University of Delhi	2017
21.	Co-Investigator of DST (Indo-Slovenia joint project): Exposure-Response Assessment of Ambient Air Pollution (AAP) and Hg contamination in Affected Cities of India and Slovenia: A Comparative Study	2015-2018
22.	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

5.3. Contribution of Faculty to School/College Education

5.3.1. Books/Chapters (in Books) Published

Faculty	Title	Publication	Year
Dr Gagan Dhawan (Department of Biomedical Science)	Influenza pandemics and the associated bacterial infections; Basic and Clinical Virology	Austin Publishing Group, USA	2017
Mr Manoj Kumar Garg (Department of English)	Business English Basic Business Communication Legal English Language and Communication Skills	Scholar Tech Press, New Delhi	2017
Dr Laxmi Narain (Department of Mathematics)	Mathematica Programming on Numerical Methods Differential Equations Modeling using Mathematica Modeling of calculus problems using Mathematica	Research India Publication	2017
Dr Sarita Kumar (Department of Zoology)	Exploring Biology for Class VI; New Delhi, ISBN: 978-81-8350-740-0 Exploring Biology for Class VII; Sultan Chand and Sons, New Delhi, ISBN: 978-81-8350-731-1 Exploring Biology for Class VIII; Sultan Chand and Sons, New Delhi, ISBN: 978-81-8350-753-0.	Sultan Chand and Sons	2017
Dr Sarita Kumar (Department of Zoology)	Contributed in Global Edition of <i>Campbell Biology, Concepts and Connections, 11th Edition</i>	Pearson	2017
Dr Ravi Toteja (Department of Zoology)	Reviewer in Global Edition of <i>Campbell Biology, Concepts and Connections, 11th Edition</i>	Pearson	2017
Dr Seema Makhija and Dr Ravi Toteja (Department of Zoology)	Protozoa: Ciliophora (Ciliates). In K. Chandra, K.C. Gopi, D.V. Rao, K. Valarmathi and J.R.B. Alfred (Eds.), <i>Current Status of Freshwater Faunal Diversity in India</i> (pp 37-54)	Zoological Survey of India, Kolkata	2017



Faculty	Title	Publication	Year
Dr Seema Makhija and Dr Ravi Toteja (Department of Zoology)	Cell Biology: Practical Manual	Prestige Publisher	2018

5.3.2. Educational e-Content Uploaded on the University of Delhi / Other Websites

Faculty	e-Chapter
Dr Urmi Bajpai (Department of Biomedical Science)	An online blog “When the drugs don’t work, could bacteriophages?” published in the “Longitude Prize” at Nesta, a global innovation foundation, London, UK on Jan 10, 2018. https://longitudeprize.org/blog-post/when-drugs-dont-work-could-bacteriophages
Dr Geetu Gambhir (Department of Chemistry)	Multimedia enriched e-content as co-Author for number of modules (e-Text, Self-Learn, Self –assessment, Learn More) and Video lectures in Chemistry and Forensic Science for ePG Pathshala project http://epgp.inflibnet.ac.in/team.php?syl_id=5#collapse_1 P-01. Organic chemistry- I (Nature of bonding and stereochemistry) http://epgp.inflibnet.ac.in/team.php?syl_id=5#collapse_14 P-14. Organic chemistry- IV (Advanced Organic Synthesis, supramolecular chemistry and carbocyclic rings) http://epgp.inflibnet.ac.in/team.php?syl_id=16#collapse_4 P-04. Instrumental Methods and Analysis
Dr Pankaj Khanna (Department of Chemistry)	Online Live lectures at CEC-UGC EDUSAT Network 1. Reaction Intermediates: https://youtu.be/T1ePwEQ4Fao 2. Reaction Intermediates II: https://youtu.be/noEPjGLODK8 3. Acids and Bases: https://youtu.be/og8BwLAIEj4 4. Conformations: https://youtu.be/uEy7L5T1aN8
Dr Sarita Kumar (Department of Zoology)	An Innovative Tool for teaching-learning Zoology, India Bioscience, September 25, 2017 https://indiabioscience.org/columns/education/one-teaching-technique-that-made-a-difference-in-my-class

Faculty	e-Chapter
	Developed the following postgraduate level e-content for 'e-PG Pathshala' an initiative by MHRD, under its National Mission on Education through ICT (NME-ICT): Life Cycle, Transmission and Pathogenicity of <i>Ancylostoma duodenale</i>
Dr Ravi Toteja (Department of Zoology)	Developed the following postgraduate level e-content for 'e-PG Pathshala' an initiative by MHRD, under its National Mission on Education through ICT (NME-ICT): 1. Overview of Immune system: Components of the immune system, principles of innate and adaptive immunity http://epgp.inflibnet.ac.in/view_s.php?category=1308 2. Phylogeny and Ontogeny of immune system: Cells of immune system: http://epgp.inflibnet.ac.in/view_s.php?category=1308 3. Phylogeny and Ontogeny of immune system: Organization and structure of immune system http://epgp.inflibnet.ac.in/view_s.php?category=1308
Dr Sweety Shrimali (Department of Zoology)	Postgraduate level e-content for 'e-PG Pathshala' an initiative by MHRD, under its National Mission on Education through ICT (NME-ICT): 1. T-lymphocytes: T cell Receptor Gene Rearrangement and Generation of T cell receptor ligands (Module 12, Paper No- 10- Immunology http://epgp.inflibnet.ac.in/view_s.php?category=1308 2. Organization and Expression of Immunoglobulin Genes: Models of Immunoglobulin Gene Structure, Multigene Organization of Immunoglobulin Genes, DNA rearrangements and mechanisms (Module 13, Paper No.- 10- Immunology) http://epgp.inflibnet.ac.in/view_s.php?category=1308
Dr Anjali Saxena (Department of Zoology)	1. Model organism in genetics: <i>E.coli</i> , <i>Saccharomyces Arabidopsis thaliana</i> for NME-ICT in Zoology under MHRD project (Module-23). 2. Parasites of Veterinary importance Part-I for NME-ICT in Zoology under MHRD project (Module-08).

5.3.3. 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
Attended a five day workshop as an expert for development of test items in the area of sciences in NCERT, New Delhi.	Dr Pooja Bhagat (Chemistry)	November 27-December 01, 2017
Resource person in programme 'Development of syllabus and textbook in Computer science for class XI' organized by Department of Education in Science and Mathematics, NCERT, New Delhi.	Dr Sharanjit and Dr Harita Ahuja (Computer Science)	December 11-15, 2017
Subject expert in the program 'Development of Audio-Video Materials or Experiments/Activities in Science at Secondary Stage' conducted by	Dr Sarita Kumar (Zoology)	May 29-June 2, 2017; August 21-25, 2017
Subject expert in the program 'Development of Tactile Kit in Science at Upper Primary Stage' conducted by NCERT.		October 06-10, 2017
Subject expert in the workshop 'Development of Tactile Books in Science at Upper Primary Stage' conducted by NCERT.		November 06 – 10, 2017 June 27-30, 2017
Resource Person in the program on 'Capacity Building of Key Resource Persons on the use of Biology Kit at Higher Secondary Stage', NCERT.		October 03-12, 2017
Subject expert in the workshop 'Development of Kit based on Handbook on Understanding Science through Activities, Games and Art Forms (Secondary Stage)' conducted by NCERT.		October 09-13, 2017

Contribution	Faculty Involved (Department)	Duration
Subject Expert in the program on 'Study of Students Difficulties in Conceptual Understanding of Science at Secondary Stage', NCERT.	Dr Sarita Kumar (Zoology)	December 05-08, 2017
Resource Person in the program on 'Online Course in Teaching of Science at Upper Primary Stage, NCERT; January 2 – 5, 2018.		January 8 – 12, 2018

5.4. Conferences, Workshops, Training Programmes Organized

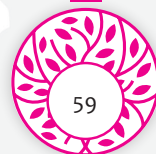
Faculty (Department)	Details
Dr Urmi Bajpai (Department of Biomedical Science)	Co-ordinator of Science Setu programme between Acharya Narendra Dev College (ANDC) and Translational Health Science and Technology Institute (THSTI), Faridabad. Organized a three day workshop on “Discovery of Mycobacteriophages from environmental samples” during June 21-23, 2017 at ANDC attended by ten students including 5 students from Kalindi College, DU.
Dr Gagan Dhawan (Department of Biomedical Science)	Member Organizing Committee and Resource Person in Summer School on Green Chemistry (July 01-20, 2017) organized for students of Kyung Hee University, Republic of Korea at UMass, Boston, USA. Member Organizing Committee and Resource Person in Summer School on Green Chemistry, Medicinal Chemistry, Computational Drug Discovery (July 14-21, 2017) organized for students of Changzhou University, China at UMass, Boston, USA. College Coordinator for showcasing the undergraduate research @ ANDC at National Science Day, jointly organised by INSA, IAS and DU on February 28, 2018.

Faculty (Department)	Details
Dr Rashmi Sharma (Department of Botany)	Organised a two day long Research Based Pedagogy Tools (RBPT) based workshop on microbial techniques for college students on January 10-11, 2018.
Ms Sunita Jetly Dr Archana Pandey Dr Abhishek Kumar Mehta Dr Satender Dr Rakesh Roshan (Department of Biomedical Science)	Organised National Conference and Workshop on "Trends and scope of Forensic Science" at Acharya Narendra Dev College on April 11-12, 2017. Organized one day Workshop on Forensic Examination of Documents (under the DBT-STAR scheme) for non-teaching staff of University of Delhi colleges (June 16, 2017).
Dr Seema Gupta Dr Pankaj Khanna (Department of Chemistry)	Organized a workshop on 'Systematic Use of Digital Information in Academic Activities' under the Star College Scheme on November 10, 2017.
Dr Dinesh Kumar Arya (Department of Chemistry)	Coordinator of one day International seminar on Gender sensitization, Equality and women Empowerment: Continuity & Change organized by Rajiv Gandhi Study Circle (Delhi Unit) at Kirori Mal College, University of Delhi on January 29, 2018.
Dr Seema Gupta Dr Pooja Bhagat and Dr Pankaj Khanna (Department of Chemistry) Dr Ravi Toteja Dr Seema Makhija Dr Aparna Sharma Dr Sweety Shrimali Dr Anjali Saxena Dr Khangembam Cherita Devi Dr Rahul Dev and Dr Vineet Girdharwal (Department of Zoology)	Organized two day symposium on 'Safety Measures and Laboratory Ethics' (under the DBT-STAR scheme) from February 21-22, 2018 at ANDC, New Delhi.

Faculty (Department)	Details
Dr Seema Gupta Dr Pooja Bhagat (Department of Chemistry) Dr Charu Khosla Gupta (Department of Botany) Dr Arijit Chowdhuri (Department of Physics) Dr Gagan Dhawan (Department of Biomedical Science)	Organized three day National Symposium on Contemporary Environmental Concerns 2018 from March 15-17, 2018 at ANDC, New Delhi.

5.5. Awards /Honours

Awardees' Name (Department)	Name of the Award/Honour	Awarded/ Honoured by	Awarded on Date
Dr Urmi Bajpai (Department of Biomedical Science)	Excellence Award for Teacher in Service in College, given to highly deserving individuals who have rendered exemplary service to the University	University of Delhi	95th Foundation Day of the University of Delhi on May 01, 2017
	Appointed as Deputy Dean, Research (on additional duty) at the research council.	University of Delhi	July, 2017
	Chaired a session on phage therapy	International conference on Bacteriophages in River Ganga, organised by the Institute of Medical Science, BHU and ICMR at BHU, Varanasi	August 22-23, 2017
Dr Gagan Dhawan (Department of Biomedical Science)	Successfully completed one year UGC-Raman Post-Doctoral Fellowship at Centre for Green Chemistry, University of Massachusetts,	UGC, New Delhi	August 28, 2017



Awardees' Name (Department)	Name of the Award/Honour	Awarded/ Honoured by	Awarded on Date
	<p>Boston, USA. His research work involved computational design of novel bromodomain inhibitors and catalyst free as well as organocatalysts based green synthesis of novel organic molecules.</p> <p>Involved as adjunct faculty for teaching organic chemistry course for full semester at Department of Chemistry, University of Massachusetts, Boston, USA.</p> <p>Courses Conducted: Summer School on Green Chemistry (July 01-20, 2017) organized for students of Kyung Hee University, Republic of Korea.</p> <p>Summer School on Green Chemistry, Medicinal Chemistry, Computational Drug Discovery (July 14-21, 2017) organized for students of Changzhou University, China.</p>		
Dr Geetu Gambhir and Dr Sunita Hooda (Department of Chemistry)	First Prize and Trophy for best Poster Presentation on "Remediation of Heavy Metal ion Toxicity from Waste Water Using Functionalized Chitin".	International conference of the Public Health Foundation of India and Pacific Basin Consortium, IHC, New Delhi	November 14-16, 2017

Awardees' Name (Department)	Name of the Award/Honour	Awarded/ Honoured by	Awarded on Date
Dr Vandana Uberoi (Department of Chemistry)	Invited to attend a Research and Innovation Seminar with an objective to show case Scotland's collective research expertise and to seek collaboration and partnership with Indian Research Institutes specially focussing on Undergraduate science students.	British Council, New Delhi	December 05, 2017
Dr Sandeep Kumar Goel (Department of Commerce)	Invited to Judge the Inter-School Commerce and Economics Symposium	Birla Vidya Niketan, Pushp Vihar, New Delhi	August 18, 2017
Dr Amit Garg (Department of Electronics)	Second Prize for the project Brain Controlled Wheelchair in the Project Category at National Science Day Celebrations	INSA, New Delhi	February 28, 2018
Dr Mamta Bhatia (Department of Physics)	<p>Fulbright-Nehru Academic and Professional Excellence Award. The award is for lecturing category.</p> <p>During the period, Dr Bhatia taught Physics at Miami Dade College which is one of the largest colleges in the United States.</p> <p>Besides teaching Physics, she was also invited to deliver talks on various topics of interest at the global platform.</p>	United States-India Educational Foundation (USIEF)	September 19, 2017- January 18, 2018

Awardees' Name (Department)	Name of the Award/Honour	Awarded/ Honoured by	Awarded on Date
Dr Arijit Chowdhuri (Department of Physics)	Tutorial Co-Chair 6th International Symposium on Integrated Functionalities (ISIF - 2017).	6th International Symposium on Integrated Functionalities (ISIF – 2017), New Delhi	December 10-13, 2017
Dr Sarita Kumar (Department of Zoology)	Awarded Best Poster - Impact of acetamiprid on the survival, morphology and development of <i>Aedes aegypti</i> L. (Diptera: Culicidae) at Annual Convention, “Biochemistry and Molecular Biology: From Niche to Nation”.	44th Philippine Society for Biochemistry and Molecular Biology Annual Convention, Tagaytay City, Philippines	November 27-30, 2017

5.6. Invited Talks

Faculty (Department)	Details
Dr Urmi Bajpai (Department of Biomedical Science)	<p>Invited to discuss the potential of Phage therapy consortium at the meeting with the Armed Forces Medical College (AFMC), Pune January 9-10, 2018.</p> <p>Invited by Wellcome Trust-DBT India Alliance to participate in “Women in Science – A Listening Session” at ICGEB, New Delhi on November 16, 2017.</p>
Dr Gagan Dhawan (Department of Biomedical Science)	<p>Invited at Institute of Biomedical Science, Georgia State University, Atlanta, USA to give a lecture on Design, synthesis, screening and docking studies of selective and potent bromodomain inhibitors, August 04, 2017.</p> <p>Invited at Department of Radiation Oncology and Environmental Health Sciences, University of Michigan, USA to discuss research on Computational design of novel PAD4 inhibitors, August 21, 2017.</p> <p>Invited lecture at two day symposium: Safety Measures & Laboratory Ethics on A hitchhiker’s guide to safety in the science lab at ANDC, University of Delhi, February 21-22, 2018.</p>

Faculty (Department)	Details
Dr Charu K Gupta (Department of Botany)	Delivered a talk on “Mitigation of Ambient Air Pollution” on October 27, 2017 at Norwegian Institute of Air Research (NILU), Kjeller, Norway.
Dr Yash Mangla (Department of Botany)	Resource Person at DBT Summer School for ‘Trends in Plant Reproductive Biology’ organized by Department of Botany, Hansraj College, University of Delhi, May 29-June 2, 2017. Resource Person at ‘Summer School- Biological Sciences’ organized by Hans Raj Mahila Maha Vidyalaya, Jalandhar Punjab, July 05, 2017.
Dr Vandana Uberoi (Department of Chemistry)	Invited by School of Chemistry, University of Edinburgh, Scotland to discuss collaborative projects under UKIERI funding. She presented an invited talk to the Schools of Chemistry, comprising academics, researchers, PhD students and masters students on her current research interests entitled “Development of New Nano Micro Chemical Sensors for Environmental Applications.
Dr Dinesh Kumar Arya (Department of Chemistry)	Delivered a lecture in one day workshop on Intellectual Property Rights Awareness and Training Programme (IPRATP-2018) on February 24, 2018 at Department of Chemistry, University of Rajasthan, Jaipur.
Dr Sharanjit Kaur (Department of Computer Science)	Expert speaker on Graph analytics on November 28, 2017 for Two Week AICTE approved and funded Faculty Development Program (FDP) on Big Data Analytics from November 20- December 02, 2017 at Department of CSE-Geethanjali College of Engineering and Technology Cheeryal (V), Keesara (M) Medchal (Dist), Telangana, Hyderabad. Speaker in ‘Workshop on R Programming’ organized by Department of Computer Science, University of Delhi on February 12, 2018.
Dr Mamta Bhatia (Department of Physics)	Invited Talk at SWB University, Missouri, USA on Material science and applications for the environment and Nanomaterials industry, December 04, 2017. Invited Talk for Public Lecture at Bolivar, Missouri, USA on "Cultural diversity of India", December 04, 2017. Invited Talk at SBU, Missouri, USA on "Thermodynamics in Material Science", December 05, 2017.

Faculty (Department)	Details
Dr Mamta Bhatia (Department of Physics)	Invited Talk at Colloquial, Miami Dade College, Miami on “Women in STEM” November 30, 2017.
Dr Arijit Chowdhuri (Department of Physics)	Invited to deliver a lecture on “Particulate Matter (PM) concentration level monitoring and exposure assessment” on October 27, 2017 at Norwegian Institute of Air Research (NILU), Kjeller, Norway.
Dr Sarita Kumar (Department of Zoology)	Invited as a panel list for “Are we responsible for strengthening the mosquitoes? - Lacunae in programs for the prevention of mosquito breeding and spread of mosquito-borne diseases” in one day workshop on ‘Acquire Skills-Mosquito Kills’, organized by Department of Zoology, Hindu College, University of Delhi, August 18, 2017. Resource person in the DU Pre-Entrance Summer School-2017, University of Delhi.
Dr Seema Makhija (Department of Zoology)	Resource person in the DU Pre-Entrance Summer School-2017, University of Delhi.

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

Faculty (Department)	Details
Dr Urmi Bajpai (Department of Biomedical Science)	Attended the symposium "Accelerating Biology 2018: Digitizing Life" held during January 9-11, 2018 organized by Centre for Development of Advanced Computing (CDAC), Pune at IISER Pune.
Dr Gagan Dhawan (Department of Biomedical Science)	11th Symposium on Frontiers in Biomedical Research (FBR-2018) - Challenges in Human Health: Prevention, Diagnosis and Cure, February 19-21, 2018, Conference Centre, University of Delhi. International Symposia on Fluorous Technologies (iSOFT Boston 2017), August 09-11, 2017, Tufts University, Boston, USA. Chemical Safety in the Classroom: A Workshop for Science Educators, co-hosted by New England Scientists and Teachers for Sustainability (NESTS) and University of Massachusetts Boston, in conjunction with the US EPA and participation of Pfizer, August 11, 2017.

Faculty (Department)	Details
Dr Gagan Dhawan (Department of Biomedical Science)	<p>Computational Drug Discovery organized by Schrodinger July 24-26, 2017, Boston, USA.</p> <p>2017 Harvard/Paul F. Glenn Symposium on Aging, June 26, 2017, Harvard Medical School, Boston, USA.</p> <p>7th Annual UMCCTS Research Retreat on May 16, 2017 organized by Center for Clinical and Translational Science, UMass Medical School, Worcester, USA.</p> <p>“BIOMEDEVICE Boston-2017” at Boston Convention & Exhibition Center, May 3-4, 2017, Boston, USA.</p> <p>BU Pharmacology & Experimental Therapeutics-Pfizer Symposium- Emerging Technologies in Therapeutics, May 01, 2017, Boston University, USA.</p> <p>Symposium on Streamlining Drug Discovery, 21 April 2017, San Diego, California, USA.</p> <p>BioSolveIT webinar: Structure-based discovery of new chemical scaffolds acting as p38-alpha MAPK inhibitors.</p>
Ms Sunita Jetly (Department of Biomedical Science)	<p>Third workshop on trans-disciplinary areas of research and Teaching by Shanti Swaroop Bhatnagar Awardees (September 15-16, 2017), Deen Dayal Upadhyaya College, University of Delhi.</p> <p>Workshop on Catalyzing Cultural Shift in Youth Entrepreneurship, November 09, 2017, organized by BIRAC and Miranda House (D S Kothari Centre for Research and Innovation in Science Education).</p>
Dr Abhishek Kumar Mehta (Department of Biomedical Science)	<p>Attended a FDP on 'Data Science and Big Data Analysis' on November 02-December 01, 2017 in HMR Institute of Technology & Management, Hamidpur (Delhi) organized by ICT Academy.</p>
Dr Namita Singh (Department of Biomedical sciences)	<p>Participated in one week Faculty Development Program on “Data Science And Big Data Analytics” conducted by ICT Academy from November 27 - December 01, 2017, held at HMR Institute of Technology and Management, New Delhi.</p>
Dr Anita Narang (Department of Botany)	<p>Attended a Workshop on ‘Gardening: Cultivate Learning and Living’ organized by SGTB Khalsa College on September 20, 2017.</p>

Faculty (Department)	Details
Dr Rashmi Sharma (Department of Botany)	<p>Attended eleven day long workshop on bioinformatics and computational biology organised by Supercomputing facility for bioinformatics and computational Biology, IIT Delhi from August 20-31, 2017.</p> <p>Attended a four day long level-I workshop on RBPT based teachers training program organised by IISER Pune at Kochi, Kerala from October 11-14, 2017.</p> <p>Attended a four day long level-II workshop on RBPT based teachers training program organised by IISER Pune at Delhi from December 06-08, 2017.</p>
Dr Yasheshwar (Department of Botany)	Workshop at Deen Dayal Upadhaya College, University of Delhi, June 09-30, 2017.
Dr Yash Mangla (Department of Botany)	National Conference on Challenges and Strategies to Improve Crop Productivity in Changing Environment, organized by Department of Botany, Zakir Hussain Delhi College, Delhi on January 12, 2018.
Dr Vineet Kumar Singh (Department of Botany)	<p>Attended National Conference on Challenges and Strategies to Improve Crop Productivity in Changing Environment, organized by Department of Botany, Zakir Hussain Delhi College, Delhi on January 12, 2018.</p> <p>Participated in National Seminar on Identifying and Avoiding Publishing in Predatory Journals: A Lesson for Researchers held at Department of Botany, University of Delhi on March 18, 2017.</p> <p>Attended Workshop and Training Programme on “R Language” held at Department of Botany from November 27-29, 2017.</p>
Dr Sunita Hooda (Department of Chemistry)	Attended a one day workshop “The ACS on Campus” event at the University of Delhi, February 05, 2018 in the Sir Shankar Lal Concert Hall.
Dr Seema Gupta (Department of Chemistry)	Discussion Forum on 'Sustainable Development and Challenges' on January 25, 2017 at TERI University.
Dr Pooja Bhagat (Department of Chemistry)	Attended a workshop on ‘Anxiety at Workplace’ organized by ANDC on August 25, 2017.

Faculty (Department)	Details
Dr Dinesh Kumar Arya (Department of Chemistry)	International Seminar on Gender Sensitization, Equality and Women Empowerment: Continuity & Change, January 29, 2018.
Dr Pankaj Khanna (Department of Chemistry)	The pedagogy workshop (RBPT Level 1) for undergraduate science teachers organised by IISER Pune at Indian Institute of Technology, Gandhinagar, Gujarat, December 10-13, 2017). A one day OpenCon 2018 Workshop held at Acharya Narendra Dev College on February 3, 2018.
Dr Sandeep Kumar Goel (Department of Commerce)	Entrepreneurship Faculty Educator Program for Orientation Course, Pradhan Mantri Yuva Yojana (Yuva Udyamita Vikas Abhiyan), Ministry of Skill Development and Entrepreneurship, Noida, September 04-08, 2017. Workshop 'Bhartiya Bhashaon Mein Shabdawali: Kal, Aaj Aur Kal', Department of Commerce and Business Studies, Jamia Millia Islamia, New Delhi in collaboration with Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, July 03-05, 2017.
Dr Anju Agrawal (Department of Electronics)	Attended FDP on Embedded System Design Using AVR and Digital System Design Using Programmable Logic Devices at Keshav Mahavidyalaya, November 01-02, 2017
Dr Amit Garg (Department of Electronics)	Attended two day workshop on e-procurement organized by Bhaskaracharya College of Applied Sciences, University of Delhi on 07-08 November, 2017. Attended ICT academy Co-ordinator Meet -2017 at The Park Hotel, 11th January 2018.
Dr Ravneet Kaur Department of (Electronics)	Attended Faculty Development Programme at Bhaskaracharya College of Applied Sciences, University of Delhi, December 16-22, 2017.
Mr Manoj Kumar Garg (Department of English)	Two day workshop on 27 – 28 June 2016, interactive ELT program, at American Center, New Delhi. Three day workshop on 30 September, 1 & 3 October 2016, Faculty Development Program for the English Language Teaching Skill Enhancement Course, at Kamala Nehru College (University of Delhi), organized in collaboration with the English Department, Kamala Nehru College and the Embassy of the United States of America, New Delhi.



Faculty (Department)	Details
Mr Manoj Kumar Garg (Department of English)	<p>One day workshop on 09 November 2016, Capacity Building Workshop on e-content creation in Disability access, at ILL (University of Delhi).</p> <p>Two-day workshop on 21-22 November 2016, on Academic Writing and Composition, at ILL (University of Delhi)</p>
Dr Sarita Kumar (Department of Zoology)	<p>Attended International Conference - OE Global 2017, Cape Town, South Africa, March 6-8, 2017</p> <p>Attended One-day workshop on 'Acquire Skills-Mosquito Kills', organized by Department of Zoology, Hindu College, University of Delhi, 18th August 2017</p> <p>Attended International Conference - "Biochemistry and Molecular Biology: From Niche to Nation"; 44th Philippine Society for Biochemistry and Molecular Biology Annual Convention, Tagaytay City, Philippines, November 27-30, 2017</p> <p>Attended Guest Lecture by Padmashree Prof. P. K. Rajagopalan "Entomology, Ecology, Ethology and Epidemiology in Disease Investigation", October 16, 2017, Central Seminar Hall, NCDC, New Delhi</p>
Dr Monisha Khanna Kapur (Department of Zoology)	<p>Attended a seminar on 'IPR and Social Insects' held on September 05, 2017 at Acharya Narendra Dev College under the aegis of DBT Star College Scheme.</p> <p>Attended International Conference on 'Recent Trends' in Biotechnology and Biodiversity Conservation, Malaysia, September 26-29, 2017.</p> <p>Participated in INSCR International Conference (IIC-2017) on "Role of Microbe-Plant-Animal Interaction in Human Health" on Sep 26-28, 2017 at University of Delhi.</p>
Dr Seema Makhija and Dr Anjali Saxena (Department of Zoology)	<p>Attended INSCR International Conference (IIC-2017) on "Role of Microbe-Plant-Animal Interaction in Human Health" on Sep 26-28, 2017 at University of Delhi.</p>
Dr Ravi Toteja (Department of Zoology)	<p>Attended and organized and attended a one day OpenCon 2018 Workshop held at Acharya Narendra Dev College on February 3, 2018</p>

5.8. Faculty as Editors/ Reviewers/ Advisory

Faculty (Department)	Name of Journal/Committee
Dr Gagan Dhawan (Department of Biomedical Science)	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 (Department of Botany)	Reviewer of Journal "Air, Soil and Water pollution" from Sage publications.
Dr Sharanjit Kaur (Department of Computer Science)	Reviewer in the International Conference on Information, communication & computing Technology (ICICCT 2017) held on May 13, 2017 conducted by JIMS Rohini, Delhi Reviewed manuscript on Advance Database Management System of publisher SAGE in June 2017. Editorial Reviewer Board member of International Journal of Data Mining, Modelling and Management, Inderscience Publishers.
Dr Amit Garg (Department of Electronics)	Editorial Reviewer Board member Optics and Lasers in Engineering by Elsevier Inc., USA Editorial Reviewer Board member American Journal of Optics and Photonics published by Science Publishing Group, USA Editorial Reviewer Board of <i>The Science Education Review</i> (SER), Australia. Editorial Reviewer Board of <i>Computer Application in Engineering Education</i> published by John Wiley & Sons. Editorial Reviewer Board of <i>IJoES-International Journal of Engineering Sciences</i> , India. Editorial Reviewer Board of International Research Journal of Engineering Science, Technology and Innovation (IRJESTI) Editorial Reviewer Board of European Journal of Physics Education
Dr Anju Agarwal (Department of Electronics)	Reviewer IEEE Transactions on Electronic Devices.

Faculty (Department)	Name of Journal/Committee
Dr Arijit Chowdhuri (Department of Physics)	Reviewer of International Journal 'Sensors and Transducers'. Reviewer of Journal "Air, Soil and Water pollution" from Sage publications.
Dr Sarita Kumar (Department of Zoology)	Academic Editor of 'Journal of Advances in Medicine and Medical Research' (previously called British Journal of Medicine and Medical Research) (India, USA and UK). Associate Editor of 'International Journal of Nutrition and Health Sciences' on the Editorial Board of: Vector Biology Journal (USA), The Open Access Journal of Science and Technology (UK); Journal of Applied and Natural Sciences (Haridwar), Asian Pacific Journal of Tropical Biomedicine (China). Reviewer in the International Journals – BMC Research Notes (England), BMC Complementary and Alternative Medicine (England), African Journal of Biotechnology (Nigeria), Journal of Medicinal Plant Research (Nigeria), Journal of Mosquito Research (Canada), Asian Pacific Journal of Tropical Biomedicine (China); and National Journals - International Journal of Pharmacy and Pharmaceutical Sciences (Madhya Pradesh), Indian Journal of Medical Research (New Delhi).
Dr Monisha Khanna Kapur (Department of Zoology)	Reviewed a manuscript entitled "In-Vitro Activity of Doxycycline and β -lactam Combinations against Different Strains of <i>Burkholderia pseudomallei</i> " for <i>Indian Journal of Microbiology</i> . Reviewed a manuscript entitled "Production of novel antifungal compounds from actinomycetes isolated from waste dump soil in western uganda" for <i>African Journal of Microbiology Research (AJMR)</i> . Reviewed a manuscript entitled "Phenotypic diversity of actinomycetes isolated from Rabat neighbourhood soil and their potential to produce novel bioactive compounds for <i>African Journal of Microbiology Research (AJMR)</i> ."

5.9. Other Achievements

Faculty (Department)	Achievement
Dr Urmi Bajpai (Department of Biomedical Science)	Member of BoS committee (constituted by the Vice Chancellor of Central Haryana University) in the Deen Dayal Upadhyaya Kaushal Kendra, Central Haryana University for development, revision and design of syllabus for B.Voc. Biomedical Science (2016 onwards). Co-ordinator of the Committee for rejuvenation of research and innovation (CRRI) in the college.
Dr Gagan Dhawan Department of (Biomedical Science)	Appointed as member of the Boston Public Schools-School Site Council/ Governing Body of Paul A. Dever School, Boston and was actively involved in the meetings held every month. This body is responsible for decision making in teachers appointment, finances of the school, special outreach, and ongoing support for parents and staff members.
Dr Charu Khosla Gupta (Department of Botany)	Life Member, Association of Teachers in Biological Sciences Member, University of Delhi, Botanical Society
Dr Seema Gupta Dr Neeti Misra Dr Manisha Jain (Department of Chemistry)	Life Member, Indian Society of Analytical Scientists (Regd.), Delhi Chapter Life Member, Association of Chemistry Teachers
Dr Vikrant Kumar (Department of Chemistry)	Qualified the following tournaments in year 2017: Haryana State Shooting Championship Competition 2017, held from June 30 to July 07, 2017 at New Delhi 27th All India G.V. Mavalankar Shooting Championship (Para) 2017 held from November 01 to 09, 2017 at New Delhi 61st National Shooting Championship Competitions (Para) 2017 held from December 11-31, 2017 at Thiruvananthapuram, Kerala

Faculty (Department)	Achievement
Dr Vikrant Kumar (Department of Chemistry)	<p>Secured Third Position in District Shooting Championship Competition held from June 10-13, 2017 at Gurugram, Haryana</p> <p>In accordance with the rules of the International Shooting Union and National Rifle Association of India, Dr. Vikrant Kumar is a Renowned Shooter.</p>
Dr Sandeep Kumar Goel (Department of Commerce)	<p>Founder Director, ANDC inStart Foundation, Section 8 Company</p> <p>Executive Committee Member, Indian Accounting Association, Delhi Chapter</p> <p>Executive Committee Member, Indian Commerce Association, Delhi Chapter</p>
Dr Sharanjit Kaur (Department of Computer Science)	<p>Part of selection committee for the appointment of Assistant Professor on Adhoc basis in Department of Computer science at Mata Sundri College for Women, Delhi on July 24, 2017</p> <p>Member of Faculty of Mathematical sciences which reviews and approves course structure/ syllabus etc. w.e.f November, 2014.</p> <p>Life time member of Computer Society of India (CSI).</p>
Dr Amit Garg (Department of Electronics)	<p>Member, Evaluation Committee for Research Methodology paper offered as course work to Ph.D. students admitted in July 2017 at Department of Electronic Science, UDSC</p> <p>Nodal officer for the Incubation Centre by the Department of Training & Technical Education, Government of NCT of Delhi.</p> <p>Member, Screening Committee, UDGAM BI to screen business proposals under Phase II</p> <p>Institutional Coordinator, Rashtriya Uchta Shiksha Abhiyan (RUSA)</p> <p>Member, Society of Photo-Optical Instrumentation Engineers (SPIE), USA</p>

Faculty (Department)	Achievement
Dr Amit Garg (Department of Electronics)	Member, Network for the Public Communication of Science and Technology (PCST), Australia Member, Optical Society of India
Mr Manoj Kumar Garg (Department of English)	Appointed as a member of the Faculty of Arts under the provisions of Statute 9 (3) (v) for a term of 3 years
Dr Mamta Bhatia (Department of Physics)	Invited member of CII National committee on Higher Education, 2017-2018. Invited delegate: Fulbright Enrichment seminar titled "Long term strategies for innovation and entrepreneurship" held at San Diego, U.S, December 13-16, 2017 CII Nanotechnology Conclave, Delhi, August 30-31, 2017 CII Annual session on "Future of Globalisation", Delhi, April 28-29, 2017.
Dr Arijit Chowdhuri (Department of 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 (Department of Physics)	Life member of PSSI (Plasma Science Society of India).
Dr Rachna Joshi (Department of Physics)	Life Member, Indian Association of Physics Teachers (IAPT).
Mr Pawan Kumar (Department of Physics)	Life member of PSSI (Plasma Science Society of India).
Dr Sarita Kumar (Department of Zoology)	Member, Committee of Courses, Department of Zoology, University of Delhi. Member, Department Research Committee, Department of Zoology, University of Delhi. Creating repository of animal diversity for Undergraduate students in Biology as OER. Developed 'Shabdawali' on Environment terms for 'Vishwakosh' – a project of MHRD, Govt. of Delhi.

Faculty (Department)	Achievement
Dr Monisha Khanna Kapur (Department of Zoology)	Life Member, AMI (Association of Microbiologists of India) Life Member, Journal of Microbial World Life Member of INSCR
Dr Ravi Toteja (Department of Zoology)	Life Member, Association of Teachers in Biological Sciences. Life Member of Indian Society of Parasitology Life Member of INSCR.
Dr Seema Makhija (Department of Zoology)	Life Member of INSCR. Life Member, Association of Teachers in Biological Sciences Life Member of International society of Protistologists.
Dr Anjali Saxena (Department of Zoology)	Life Member of INSCR Life Member, AMI (Association of Microbiologists of India)

5.10. Ph.D. Thesis Submitted/Awarded to the Faculty

Faculty (Department)	Thesis Title and Year
Sunita Jetly (Department of Biomedical Science)	Submitted thesis entitled Development of Beacon based Diagnostic Assay for Detection of BCR-ABL1 Translocation and Study of Mitochondrial DNA variations and ROS levels in Chronic Myeloid Leukemia Patients (Submitted in 2017).
Dr Yasheshwar (Department of Botany)	Awarded Ph.D. Degree on October 05, 2017 from Jamia Hamdard, Hamdard Univesity.
Dr Khangembam Cherita Devi (Department of Zoology)	Awarded Ph.D. degree under Thesis entitled "Study of Ammonia Oxidizing Archaea and Bacteria in Recirculating Aquaculture System: their Composition, Activity and Abundance of amoA Gene at "94th Annual Convocation, University of Delhi.

5.11. Faculty Registered for Ph.D. Programme

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

5.12. Faculty Development/Training Programme Attended by Faculty

Faculty	Name of the Course	Organised by	Duration
Dr Dinesh Kumar Arya (Department of Chemistry)	Attended refresher course in Chemical & Pharmaceutical	HRDC, University of Rajasthan, Jaipur	September 04-23, 2017
Dr Udaibir Singh Ravneet Kaur Mr Vishal Dhingra (Department of Electronics) Mr Ravinder Kumar Sagar (Department of Zoology)	Attended refresher course in e-Learning and Digital Media	UGC-HRDC, Centre for Professional Development in Higher Education University of Delhi (CPDHE), Delhi	September 05-25, 2017
Dr Chandra Kanta Samal Dr Preeti Marwah Dr Harita Ahuja (Department of Computer Science) Dr Yasheshwar (Department of Botany) Mr Manoj Kumar Garg (Department of English)	Participated in three week refresher course in Climate Change and Disaster Management	UGC-HRDC, Centre for Professional Development in Higher Education University of Delhi (CPDHE), Delhi	June 09-30, 2017
Dr Preeti Marwah Ms Anu Perveen	Attended Faculty Development Programme in Data Sciences and Big Data Analytics.	Deen Dayal Upadhaya College, University of Delhi	March 6-11, 2018



5.13. Faculty on Leave

Name	Type of leave
Dr Gagan Dhawan (Department of Biomedical Science)	Study Leave for a period of one year September 30, 2016- August 31, 2017.
Dr Sona P Kumar (Department of Electronics)	Extraordinary Leave for a period of one year w.e.f. April 9, 2016 (extended).
Mr Vishal Dhingra (Department of Electronics)	Relieved for Study Leave w.e.f. July 20, 2017 (period of two years) for pursuing Ph.D. programme.

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

ANNEXURE-I

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

Name	Programme/Achievement	Dates
Ms Namrata Arora (Officiating Librarian)	Attended an International Seminar on New and Innovative Library and Information Services organized by Jawahar Lal Nehru University, New Delhi	February 22, 2017

5.16. Scale Upgradation/ Appointments of Teaching/Non-teaching Staff

Appointments/ Promotion /MACP fixations	Teaching Staff	Non-teaching Staff
2nd MACP during the year 2017-2018	Nil	<ol style="list-style-type: none"> 1. Mr Raghubir w.e.f. 06.03.2017 2. Mr Ashok Kumar w.e.f. 06.03.2017 3. Mr Santosh Kumar w.e.f. 06.03.2017 4. Mr Deep Chand w.e.f. 07.03.2017 5. Mr Baij Nath Sah w.e.f. 07.03.2017 6. Mr Virender w.e.f. 07.03.2017 7. Mr Sher Singh w.e.f. 11.3.2017 8. Mr Homanath Sharma w.e.f. 27.03.2017 9. Mr Shahban Ali w.e.f. 11.04.2017

6. COLLEGE ACTIVITIES

6.1. Internal Quality Assurance Cell (IQAC)

Co-ordinator: Dr Seema Gupta (Department of Chemistry)

Chairpersons

- Dr Savithri Singh, Principal, Acharya Narendra Dev College
- Dr S. Lakshmi Devi, Hony. Director, Centre for Entrepreneurship and Career Oriented Programmes (University of Delhi)
- Dr Sambuddho Chakravarty, Assistant Professor, Indraprastha Institute of Information Technology, Delhi.

Senior Administrative Officials

- Dr Ravi Toteja (Vice Principal)
- Dr Amit Garg (Bursar)
- Mr V. S. Rao (Administrative Officer)

Teacher Members

Dr Mamta Bhatia (Associate Professor, Department of Physics); Dr Sarita Kumar (Associate Professor, Department of Zoology); Dr Charu K. Gupta (Associate Professor, Department of Botany); Dr Sandeep Kumar Goel; (Associate Professor, Department of Commerce) Dr Chandra Kanta Samal (Assistant Professor, Department of Computer Science); Ms Seema Gupta (Assistant Professor, Department of Mathematics); Mr Manoj Kumar Garg (Assistant Professor, Department of English); Dr Rajesh Chaudhary (Assistant Professor, Department of Biomedical Science); Dr Ravneet Kaur (Assistant Professor, Department of Electronics); Dr Pankaj Khanna (Assistant Professor, Department of Chemistry).

Measures to Monitor Student Progression: Student progression has a positive impact on students' career graph in terms of the completion and continuation of higher studies and influences future sustainability. So, the IQAC members suggested measures to monitor student progression. The College has started the practice of collecting information from the pass out students. The security refund forms have been redrafted wherein the students fill the information



of their prospective plan viz., name of the institution admitted for post-graduation or any other.

Introduction of Skill Development Courses: In the changing world scenario with regard to industry and the job market, there is a critical need for quality skill development and training. Multi skilling and skill development along with extra training and certification is required today to provide the students with more career openings. Each industry gives preference to the students who are multi skilled and are job-ready from day one. There are special skills that graduate recruiters look for and it is high time that students should be provided with such opportunities while they are doing their graduation. The IQAC suggested starting some pilot courses run by National Skill Development Corporation (NSDC) that are recognized by the industry and can impart the desired skills in the students to take on jobs in various skilled sectors. It has taken initiative to train the students in various employable skills along with the academic degree with the regular classes in the College premises. A job oriented course 'Quality Control (QC) Chemist' of NSQF level 5 has been started. This programme is aimed at training candidates for the job of a Quality Control Chemist in the Life Sciences sector/industry. A Quality Control Chemist is responsible for conducting qualitative and quantitative analysis to ensure specified quality of the manufactured products. Students from B. Sc. (H) Chemistry, B. Sc. (H) Biomedical Science and B. Sc. Life Sciences can do this course. Each student, after the successful completion of the assessment process, will get a certificate from NSDC and Life Sciences Sector Skill Council. Companies that manufacture chemicals and solvents normally hire quality control (QC) chemists. The course is recognized both by government and private sectors. There are great opportunities of employment for students who have done this course.

Workshop on Mental Health Awareness: Since mental health has a direct impact on the academic performance of students, the IQAC organized a workshop on February 23, 2018 with the College counselor to nurture the practices that can support their mental-wellness.

National Symposium: Three day National Symposium on Contemporary Environmental Concerns 2018 was organized from March 15-17, 2018 at Acharya Narendra Dev College, New Delhi.

6.2. Staff Council Committees

See Annexure II

6.2.1. Report of Staff Council Committees

6.2.1.1. Annual Academic Events Committee

Convenor: Dr Charu Gupta (Department of Botany)

The College celebrated its Annual Day on March 27, 2017. Professor V. Ramgopal Rao, Director, IIT Delhi was the chief guest on this occasion. The function began with the invocation of Goddess *Saraswati* and the traditional lighting of the lamp. Principal, Dr Savithri Singh, presented the Annual Report for the year 2016-17, highlighting the various activities of the different departments and societies of the College. She mentioned the individual achievements of the faculty members, non-teaching staff and the students.

Professor Rao, in his address as the Chief Guest, shared his vision for quality education with the College fraternity. Besides acting as a source of great encouragement and motivation to all present, he also lauded the College and congratulated the Principal for the various achievements and initiatives.

The College Magazine, 'Insight', and Annual Report were released followed by prize distribution to the meritorious students who were honoured with awards and accolades. The function culminated with the visit of the Chief Guest and the other honourable guests to the Theatre Gallery of the College.

6.2.1.2. Orientation Day

Convenor: Dr Sarita Kumar (Department of Zoology), Dr Pooja Bhagat (Department of Chemistry)

Keeping its tradition, the College organized the Orientation Programme from July 20-24, 2017 for the freshly admitted students to familiarize them with the College campus and make them interact with their teachers and classmates. The programme was held in two phases – College-specific and Department-specific.

The College-specific Orientation Programme during July 20-22, 2017 was clustered into the following six sessions:

- College Orientation
- Entrepreneurship, NSS and Research
- Theatre and ECPDT
- Talent Hunt
- Counselling
- ERP

Each session was of 3 hours and all the sessions were conducted parallelly, twice a day. Accordingly, the students were divided into six groups and each group attended any two sessions in a day, completing all six sessions in three days. Each students' group was assigned a name based on the college initiatives, selected keeping in view the diverse areas. The initiatives selected were; *DHWANI*, *SASHAKT*, *EXPLORE*, *SAKSHAM*, *ELITE* and *inSTART*. The College Orientation started with the welcome address by the Principal. The students were briefed about the history of the College, followed by college initiatives and achievements. A detailed presentation was held to acquaint each student with the academic culture of the College, 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, etc. In other sessions, convenors of each college committee interacted with the students and informed them about the initiative and activities held every year. Each student enrolled herself/himself in atleast two committees.

On July 24, 2017 there was Department-specific orientations. Students interacted with their course teachers and seniors after which detailed and course specific information was provided to the students. Course time table was given to the students along with a College Handbook containing information about the course structures, academic calendar, college calendar and various rules and regulations regarding leave, attendance and maintaining discipline in the College.

6.2.1.3. National Service Scheme (NSS)

Convenor: Dr Geetika Kalra (Department of Botany)

The NSS unit of the college works untiringly towards various social issues in and around the institute. The NSS team, as always, worked during admission time to ensure a smooth admission process by guiding parents and students visiting

the campus. NSS observed June 21st as 'International Yoga Day' and organized a talk by Dr D.P. Sharma, Associate Professor at Indira Gandhi Institute of Physical Education and Social Science. He talked about the importance of Asanas, pranayam and spirituality. The Government of India organized an 'International Youth Delegation Exchange Program' to South Korea from May 9-21, 2017 in which one of our NSS volunteers from B. Sc. Physical Sciences with Computer Science 2nd year was selected and got the golden opportunity to represent the NSS unit in South Korea.

In the College, NSS continued with its pledge towards 'Swachh Bharat Abhiyaan' and organized cleanliness drives in the College and the neighbouring areas from time to time throughout the year.

UN youth envoy, Ms Jayathma Wickramanayake, visited the College on August 17, 2017 to interact with the students and exchange ideas under the by-line 'Re-imagining NSS as a 5th Space'. This was for the feedback of workshops that the students had attended under the NGO, 'Pravah'.

Team NSS also organized a motivational talk by Dr Simmi Karna, Chief Revenue Officer and Business Head at Balaji Telefilms Pvt. Ltd. on September 8, 2017. She shared real life experiences to motivate the students to follow their dreams and that there is no substitute to hard work.

A blood donation camp was organized on October 10, 2017 by the blood bank of Ram Manohar Lohia Hospital. There was an overwhelming response from the students for the motto 'Save lives, Donate blood'.

National Unity Day was observed by NSS on October 31, 2017 to commemorate the birth anniversary of Sardar Vallabh Bhai Patel. There was a pledge ceremony followed by 'Run for Unity'.

'Vigilance Awareness Week' was observed from October 30 to November 4, 2017 with the theme 'My Vision – Corruption free India'. A street play, 'Laalach' was staged.

'Sahyog: the Diwali Mela' was organized on October 13, 2017. Several NGOs which are working towards strengthening the spirit of the underprivileged participated.

Three of the volunteers were selected for Khelo India School Games (KISG) conducted by Ministry of Youth Affairs and Sports.

National Voter's Day was observed on January 12 and January 25 as National Youth Day where a film screening on Swami Vivekananda was organized followed by a discussion on the life and teachings of Swami Vivekananda.

A workshop, 'Promoting Intergenerational Bonding' by All India Women's Education Fund Association (AIWEFA) supported by National Institute of Social Defense (NSID) on January 19, 2018 was organized.

6.2.1.4 Eco Club, Paritantra

Convenor: Dr. Seema Gupta (Department of Chemistry)

Initiatives to Save the Environment:

Recycling of Paper: The College endorses the culture of reduce and reuse of paper strongly. Paper consumption has been reduced to a significant extent over the years. The Eco Club further intensified the efforts to save paper by collecting students' practical note-books of the previous semesters, segregated the used pages and got it recycled. The College received stationery items from the company 'Green Globecare' in return of the waste paper.

Ban on Non-Biodegradable Disposables in the College Campus: The Eco Club initiated the drive to stop the use of thermocol disposables in the College canteen and other kiosks in the College premises. The use of non-biodegradable disposables have been banned even during the various events/get-togethers held in the College. The vendors are allowed to deliver food items only with biodegradable disposables.

Plantation Drive: The Eco Club organized a plantation and sapling distribution drive on August 23, 2017. Around 100 saplings of *Tulsi*, *Lemon-Grass*, *Kari Patta*, *Aloevera*, *Ashwagandha*, *Ajwain* etc. were collected from Delhi Parks and Gardens Society, Department of Environment, Govt. of N.C.T. of Delhi. The drive was inaugurated by the Principal of the College by planting a *Tulsi* sapling. The teachers-in-charge of all the departments also collected one sapling to be taken care of by their course students. The teachers and students also carried the saplings to plant in their localities.

The Eco Club celebrated World Environment Day through the theme, 'Connecting People to Nature' wherein it urged all the members of the ANDC family to share stories/photographs/videos on the portal: 'ANDC with Nature'.

The society conducted the campaign, 'Say Yes to Water Conservation' in association with CMS Vatavaran to spread awareness about water conservation. An inter-college pot painting competition was organized on the theme 'Water and Biodiversity' on October 13, 2017.

As a regular practice to spread awareness in the young minds and sensitize the society at large regarding air pollution, the Eco Club organized Anti Cracker Campaign. The following events were held on October 13, 2017.

- *Padyatra* from the College to Govindpuri metro-station: Students raised slogans on the streets of the locality surrounding the College with the message, 'Say no to fire crackers'.
- *Rangoli* competition: An intra- college competition on the theme "Aise Manaye Diwali" was held.
- *Nukkad Natak-Pahal* entitled 'Na Gholen Zaher Is Shahar Ki Hawa Mein' in the front lawns of the College and at Govindpuri Metro Station.

It also organized an intra-college poster competition on 'Ideas to Combat Air Pollution' on October 31, 2017.

Accolades

- A note on the Eco Wall of the College has been featured in the Delhi Education Buzz Magazine of Directorate of Training and Technical Education in volume 2 of August 2017 titled 'Balancing Ecology and Technology'.
- Eco Club participated in the 9th CMS Vatavaran Environment and Wildlife International Film Festival and Forum 2017 held at GSDS, Rajghat, New Delhi on November 2-6, 2017 and emerged as the winner in the exhibition on sustainable development using waste material and handmade products.
- Awarded with the World Ecology, Environment and Development (WEED) Award at the 6th World Environment Congress for outstanding contribution towards environment conservation by International Association of Educators for World Peace.
- Teams from the Eco Club participated in a one day exhibition and competition organized by Bahnishikha Women & Child Welfare Society in association with National Environmental Engineering Research Institute, CSIR-NEERI 'The YUVA Awards 2018' (YUVA – Youth

Understanding the Value of Air) in New Delhi on November 10, 2017. Mr Bhaskar Jyoti Parasar from the College won the competition.

- Teams from the Eco Club participated at 'Triathlon of Knowledge', an inter-college competition on climate change organized on September 28, 2017 by the Eco Club 'Tatav' and Department of Environmental Studies, Ramanujan College, University of Delhi. Pritam Kashyap of B. Sc. (H) Botany III Year secured the first position at the competition.
- The College received a certificate of appreciation for protecting trees and Mother Earth by recycling paper from the company, 'Green Globecare'.

6.2.1.5. Sashakt

Convenor: Dr Manisha Jain (Department of Chemistry)

The *Sashakt* team coordinated sessions on awareness about sexual harassment amongst college students in a three-day orientation workshop entitled ' Breaking Barriers' organized by the College for the first year students from July 21-23, 2017. Six such sessions in the entire workshop were conducted by the invited speakers - Ms. Devangana (WSS, Pinjra Tod), Ms. Ritambhara (WSS, Nazariya), and Ms. Chetanya (WSS, Mehnatkash Mahila Sangathan). The sessions were interactive in nature allowing students to be involved in group activities and discussions.

Sashakt expanded the Gender Champions' Club this year following due procedure as per the directives received from the UGC. The formation of Gender Champions' Club in educational institutions is a joint initiative of 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 Club now has seven active Gender Champions: Vaibhav Srivastava (B. Sc. (H) Chemistry III Year), Priya Kaushal (B. Com. (H), II Year), Rhythm Kaushal (B. Sc. (H) BMS, I Year), Abhijeet Naik (B. Sc. (H) BMS, I Year), Nikhil Kr. Yadav (B. Com. (H), II Year), Srishti Kumar (B. Com. (H), II Year) and Gagan (B. Sc. (H) Electronics, I Year).

Sashakt continued with its aim of creating awareness about respecting women's dignity with an 'Express Yourself' activity in August 2017, in which

students were asked to express their opinions on some political statements related to women published in newspapers.

Sashakt celebrated the International Day for the girl child on October 11, 2017 by organizing a poetry competition on the same theme. The winners were Junaid, B. Sc. (H) Maths, II year, Kshitij, B. Sc. (H) Maths, II year and Palak, B. Sc. Physical Sciences (Computer Science), II year. A feature film 'Dor' was also screened in the conference hall for ANDC students to create awareness about the issues related to the rights of women as individuals.

A creative writing competition was organized on November 1, 2017 on the theme centered on women's empowerment. Barsha Changkakoti, B. Sc. (H) Botany I Year, Diksha Tiwari, B. Sc. (H) Botany I Year and Koyel Ray, B. Sc. (H) BMS I Year got the first, second and third prize respectively.

Sashakt, in coordination with Delhi State Legal Services Authority, South-East District has started a two month Add-on course on 'Legal Awareness' for college students in January 2018. The classes are held once a week and are taken by Ms. Tanvi Khurana, L'd Metropolitan Magistrate, Secretary DSLSA S/E, Saket Court. The course also includes a visit of the enrolled students to Saket Court Complex and to prisons. A total of 52 students were enrolled for the course. Some posters on women's empowerment and laws, prepared by *SASHAKT* volunteers were sent to DLSA S/E and were well appreciated in the court.

A one-week self defense training programme was organized by *Sashakt* in coordination with Delhi Police from February 19 -24, 2018. The programme aimed at empowering ANDC students, with special focus on girls, in some basic self defense techniques to face challenging and emergent circumstances. In the one week training, the first two days were open for male students also to learn the basic self-defense techniques. The training for girls continued for six days.

6.2.1.6. 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. This year, the College canteen along with the Eco Club initiated a drive to stop the use of thermocol disposables in the canteen. The use of non-biodegradable disposables has been banned even during various events/get-togethers held in the College. The vendors are allowed to deliver food items only with biodegradable disposables.

6.2.1.7. Theatre Society, *Dhwani*

Convenors: Dr Sandeep Goel (Department of Commerce), Dr Geetu Gambhir (Department of Chemistry) Dr Preeti Marwah (Department of Computer Science)

Orientation Workshop: With the beginning of the new academic session (2017-18), the college scheduled an orientation programme for the freshers. *Dhwani*, the theatre society of ANDC, was also a part of this orientation programme which was held for three consecutive days. The major objective behind this workshop was to make each student familiar with the world of theatre. The workshop was initiated by providing information about the various events of *Dhwani* which are done throughout the year such as, stage plays, street plays, Annual Theatre Production, Theatre Gallery and many more. Along with that, information was given about the Add on course conducted by the college, i.e. Effective Communication and Personality Development through Theatre.

Workshop for Freshers: *Dhwani* held auditions for its new members on August 9-10, 2017. A total of 95 students appeared for the auditions and were asked to do simple exercises such as imagining and portraying a character and doing a small improvisation of 2-3 minutes using the same. After the successful completion of auditions and selection of 50 students, *Dhwani* organized a 2-week workshop to train the newly added members. The focus was to teach them how to work in a team, coordination, trust among team members, basic techniques to perform on stage, confidence building and some voice exercises. The workshop was conducted by the senior members of *Dhwani*.

AIIMS: *Dhwani* participated in the stage play competition held at PULSE, the cultural fest of AIIMS. The stage play 'Ek Tamasha' written and directed by themselves as performed.

IIT Delhi: *Dhwani* performed at the mime competition. It presented ‘Astitva’, showcasing the behaviour of the society towards LGBTQ community and won the third prize at the competition. *Dhwani* performed the street play ‘Dil Mera Yeh Maange More’ and secured a position amongst the top 30 teams.

IIT Bombay: *Dhwani* staged a play ‘Baaki Ithihaas’ by Badal Sircar and also competed in the prelims of the mime competition.

NIT Kurukshetra: *Dhwani* performed ‘Astitva’, showcasing the behaviour of the society towards the LGBTQ community in the mime competition at Confluence 2018, the fest of NIT Kurukshetra on February 17, 2018 and won the first prize.

Street Play at University of Delhi Flower Show: *Dhwani* performed its street play ‘Hawabaazi’, at the University of Delhi’s Flower Show, at the University Ground on February 23, 2018.

Event for Super Seniors of Dhwani: *Dhwani* held a small get together on February 26, 2018 and showcased its mime “Astitva” and stage play “Baaki Ithihaas”.

Zakir Hussain Delhi College: The mime ‘Astitva’ showcasing the behavior of the society towards LGBTQ community was performed at the fest of Zakir Hussain College (evening) on February 28, 2018 and won the first prize.

6.2.1.8. Annual Theatre Production (ATP): *Tughlaq*

Convenors: Dr Sandeep Goel (Department of Commerce), Dr Preeti Marwah (Department of Computer Science)

Training for the Annual Theatre Production 2018 was started on December 28, 2017 with a total of 33 students as participants. The workshop was conducted by Mr. Ajay Manchanda, Director of Annual Theatre Production. This workshop was organized to teach students how to work in a team, how to trust team members, improvisation and team spirit. *Dhwani* staged Girish Karnad’s ‘*Tughlaq*’ (translated by B.V. Karanth) devised, designed and directed by renowned theatre personality Mr Ajay Manchanda on January 31, 2018 with a repeat show on February 1, 2018 at the Shri Ram Center, New Delhi. In view of the overwhelming response from the audience, an additional show was staged on February 2, 2018 exclusively for the students of Acharya Narendra Dev College.

The event was graced by the presence of Ms Punya Salila Srivastava, IAS, Principal Secretary, Education, Higher Education & Technical Education, Govt. of NCT of Delhi, as Chief Guest on February 1, 2018. Dr Savithri Singh, the Principal of the College, congratulated the entire team of '*Dhwani*' for the excellent execution of such a difficult script. She also emphasized on how theatre has groomed many students of the College, especially from a rural background and filled them with self-confidence. Dr Singh motivated the students to continue their efforts in bringing more glory to themselves and the College by excelling in curricular as well as extra-curricular activities. All the participants thanked the audience for their warm response.

6.2.1.9. North East Student Society of ANDC (NESSAND)

Convenor: Dr Subhash Kumar (Department of Physics)

The North-east cell at ANDC had a nascent beginning in the last academic year. However, the cell is already showing signs of maturity and the students of this cell have shown great organizational skills which were amply displayed in the current academic year. To begin with, the cell organized a grand welcome of the new entrants to the college on September 16, 2017. This was an occasion to know each other and breaking barriers. During this event a cultural programme too was organized wherein the students belonging to the North-East states of India displayed the unique and vibrant culture of these states. During this meet, the students also discussed the various activities to be organized throughout the year in the college. For smooth operation of the cell, it was decided to have an elected executive body of the cell. The cell unanimously elected a President, Secretary, Treasurer and three executive members to be their representatives.

The North-East Cell organized a football match in the college on the September 26, 2017 between the teams from the North-East Cell and the rest of the college. It was an exciting match – won by the rest of the college team. This sporting activity was undertaken under the aegis of "*Ek Bharat, Shrestha Bharat*" scheme of the Govt. Taking forward the emphasis on the state of Assam in the "*Ek Bharat, Shrestha Bharat*" scheme of the Ministry of HRD, the North-East Cell of the college presented '*Bihu* -the group dance' on the occasion of the Alumni meet of the college on February 18, 2018. This was highly appreciated by the Alumni and other audience present in the college. The North-East Cell went on to present a more complex version of the Assam's '*Bihu*' dance in the

competitive event of the Annual Fest of the College also, which too was highly appreciated.

6.2.1.10. Library Committee

Convenor: Dr Sarita Kumar (Department of Zoology)

The Radio Frequency Identification (RFID) based Library Management System which was introduced last year has allowed faster transactions for the library. Self-checkout service and external book return/ book drop stations are great ways to avoid queues at the Circulation/Reserves Desk during peak periods. A two day Annual Book Exhibition from September 7-8, 2017 was held in the college library for the faculty and students. A lot of publishers and book sellers viz Prentice Hall of India, Unilib Book Dist. Pvt. Ltd., Asian Book Centre, Narosa Publishing House, N.R. Book Distributor, Pearson Education, Cambridge University Press, Oxford University Press, New Age, Viva Books Pvt. Ltd., Panima Educational Agency, Brijwasi Book Distributors, Khanna Publishing House, S. Chand & Co., Techniz Books International, Wiley India & Scitech Publications Pvt. Ltd. participated in the exhibition and displayed their books in the library. The response of the students, faculty and staff was overwhelming. Approximately 1000 books and 1 journal were added to the library this year. The total numbers of books, journals and magazines in the library have now reached 30679, 19 and 10 respectively.

6.2.1.11. Tark: The Debating Society

Convenor: Mr Manoj Kumar Garg (Department of English)

Tark, the Debating Society of our college, organised its first intra college fest, *Tarkash* on March 22, 2017. The Department of Commerce won the running trophy. The then President, Mr. Ankit Pant, was presented the roll of honour for his exemplary service to *Tark*.

On April 15, 2017, Vaibhav Srivastava (B. Sc. (H) Chemistry, III Year) won the Best Speaker prize at the debate competition organised by Dyal Singh College, DU.

Tark works continuously to make its members better debaters. This year was indeed a special one as *Tark* completed 3 years of its glorious existence. The society conducted its first auditions from August 11-12, 2017. More than 200 students registered for the audition. As *Tark* believes in the overall development

of students, it was decided that all the students would be included in the society. The students were divided into two groups, namely, Abhivyakt and Arambh. Vaibhav Srivastava of B. Sc. (H) Chemistry, III Year was chosen as the president of the society.

The first initiative *Tark* undertook was a workshop on public speaking and turncoat debate on September 1, 2017. Laurels started coming within 15 days. On September 19, 2017, Riya Arora (B. Sc. Physical Sciences (Computer Science), II Year) won the consolation prize at ARSD College. On September 23, Priya Kaushal (B. Com. (H), II Year) and Vaibhav Srivastava (B. Sc. (H) Chemistry, III Year) were the winner and runner up at AIIMS respectively. Nikhil Dudeja (B. Sc. (H) Chemistry, I Year) won the 3rd prize for best speaker at Satyawati College and Aman Sharma (B. Sc. Life Sciences, I Year) won the prize of best interjector at ARSD College on September 23, 2017.

Tark, in collaboration with *Paritantra*, the Eco Club, conducted a non-competitive group discussion to analyze the outcome of the Supreme Court's decision to ban fire crackers in Delhi-NCR. The Annual Acharya Narendra Dev Memorial group discussion competition was conducted on October 30, 2017 on the theme of Acharyaji's vision of education. Besides these, *Tark* regularly organised workshops on various issues to nurture the skill of public speaking.

It was a great achievement for *Tark* when 6 of its debaters were shortlisted for the final round of the second Mohini Pandey Memorial Inspirational Speech Competition. Vaibhav Srivastava (B. Sc. (H) Chemistry, III Year), Sakshi Saraswat (B. Sc. (H) Zoology, II Year) and Ramanand Sharma (B. Sc. (H) Electronics, III Year) won the first, second and third prize respectively.

The logo of *Tark* was officially launched on January 22, 2018.

Team *Tark* organised a workshop for the students of Vivekanand College on January 28, 2018. The team comprising Srishti Kumar, Sakshi Saraswat, Vaibhav Srivastava and Mr Manoj Kumar Garg taught the different formats of debate to students.

On February 3, 2018, the session on parliamentary debate conducted by Ms Priyanka Dasgupta proved to be a very useful and successful event for all the members of *Tark*.

Prizes continued to flow in. Amit Kumar (B. Sc. (H) Maths, II Year) won a prize for the best entry at the Essay Writing Competition in IIT Delhi. Nikhil

Dudeja (B. Sc. (H) Chemistry, I Year) bagged the Best Interjector prize in the Intercollege Debate Competition at Ramanujan College. Nishchal Jain (B. Sc. (H) Maths, I Year) won the prize of Best Interjector on February 11, 2018 at the Debate Competition in Moti Lal Nehru College. Vaibhav Srivastava (B. Sc. (H) Chemistry, III Year) was adjudged the Best Speaker at JAM in Lady Irwin College on February 20, 2018.

Tark successfully organised the inter college Turncoat Debate Competition, *Udghosh* on February 26 during Leiothrix 2018. Students from more than 15 institutes participated in the event.

Vaibhav Srivastava, of B. Sc. (H) Chemistry III Year, won the Best Speaker Prize at the Intercollege Debate Competition, organised by the MAIT, at New Delhi Convention Centre, Cannaught Place, on March 14, 2018.

6.2.1.12. Sports Committee

Convenor: Dr Laxmi Narain (Department of Mathematics)

Building on the success of the previous year and with the continued support of the Principal, Dr Savithri Singh and the enthusiastic response of the students, the Sports Committee of the College managed to take sports in our college to a new high. Dr Satyapal Singh, the youngest Dronacharya awardee and the chief coach of ANDC with the help of Dr Ranjit Kaur, Assistant Professor, Physical Education and specific coaches (guest faculties) train the students for enhancing sports in the College. To enhance sports and for better coordination, a sports president and 11 team coordinators were made from among the students. Sports League was organized from October 10 to November 4, 2017. It started with the flag march and oath taking ceremony, requesting students to play with sportsmen spirit. Dr Savithri Singh, Principal, ANDC met every student and wished him/her good luck. Over 600 students, boys and girls, of all the courses took part in different team events including 11 Cricket teams, 10 Football teams, 6 Basketball teams, 11 Volleyball teams and 6 Kabaddi teams, Badminton events, Athletics, Chess and Carom. The main purpose of the league was to encourage the zeal for sports among students and increase their physical fitness. It helped students in boosting their confidence.

Intra College Sports Tournament 2017-18 was organized in which more than 600 students participated. It was based on the knockout method. It was started on February 1, 2018 and ended with fruitful results on February 10, 2018. It also

started with the flag march and oath taking ceremony, requesting students to play with sportsmen spirit. Dr Savithri Singh, Principal, ANDC wished students good luck and asked them to enjoy the games with sportsmen spirit.

The Sports Committee organised ANDC Delhi University Inter College Para-Athletics Meet -2017-18 and ANDC Sports Day 2017-18 on February 20, 2018. Mr Ankur Dhama (First Indian totally Blind Para-Athlete to participate in Paralympic Games) and Mr Sandeep Singh (Arjuna Awardee 2016, Para-athlete), were the chief guests of the function. They were warmly welcomed by the Principal. Thereafter, the event started with 100 m totally blind men and women's race. ANDC Delhi University Inter College Para-Athletics Meet 2017-18 was organized with great enthusiasm and more than 100 Para-Athletes from various colleges of Delhi University participated. Various sports competitions for teaching and non-teaching staff were also organized which included 100 m men and women's race, 4 X 100 relay, shot-put and volleyball competition. Thereafter, the most awaited prize distribution ceremony began. Mr Ankur Dhama and Mr Sandeep Singh with Principal awarded trophies, certificates and T-Shirts to the winners and runners-up and wished them good luck for their future.

B. Sc. Physical Sciences lifted the overall winners' trophy and B. Sc. (H) Biomedical Science lifted the runners-up trophy.

The following College Teams participated in the Delhi University Inter College Sports Tournament 2017-18

1. Cricket (Men)
2. Football (Men)
3. Volleyball (Men)
4. Volleyball (Women)
5. Basketball (Men)
6. Badminton (Men)
7. Badminton (Women)
8. Athletics (Men & Women)
9. Lawn Tennis (Men)
10. Lawn Tennis (Women)

6.3. DEPARTMENTAL ACTIVITIES

Department of Biomedical Science

TIC: Dr Archana Pandey

The Department organized a national conference and workshop on 'Trends and Scope of Forensic Science' on April 11-12, 2017. A one day workshop on Forensic Examination of Documents was conducted for the non-teaching staff of Delhi University colleges who were involved in the admission process (June 16, 2017). A one day workshop on Forensic Examination of Documents for Acharya Narendra Dev College faculty members who were involved in the admission process was held on June 23, 2017. Shri J. K. Semwal, Course Director, Documents Division, LNjN-NICFS, Ministry of Home Affairs, Government of India and Shri V. N. Sehgal, Former Director, Central Forensic Science Laboratory, Central Bureau of Investigation (CBI) were the invited guest speakers.

Department of Botany

TIC: Dr Anita Narang

'Tarumitra', the Botanical Society of the College organized three lectures by eminent speakers. On September 26, 2017, the society held its inaugural lecture by Professor Rajesh Tandon, Dean Students' Welfare, University of Delhi. He is a renowned scientist working on various aspects of Plant Reproductive Biology in India and abroad. He delivered a talk entitled 'Wonders of Pollination at Work' and encouraged the students for future research prospects in the subject by explaining the importance of pollinators, not only in the propagation of important crop species but also for the survival of human beings.

On November 2, 2017 Professor Rita Singh from University School of Environment Management, Guru Gobind Singh Indraprastha University (GGSIPU), New Delhi enlightened the students by her lecture entitled 'Biodiversity and the Need for its Conservation'. She highlighted the importance of biological diversity in the maintenance of the equilibrium of the eco-system, traditional knowledge of India in shaping future research.

The lecture entitled 'Environment, Ecology, Ecosystems and Ecological Restoration' by Professor Emeritus C.R. Babu on January 18, 2018 created an



euphoria by showing the phenomenal efforts in transforming the degraded forest and wetlands in Delhi, particularly the Biodiversity Park and Neela Hauz Lake near JNU. He is a renowned scientist working on several diverse aspects of conservation Biology, environment management, and restoration in India and abroad. During his talk, he highlighted the role of a functional ecosystem in solving many challenging problems of pollution and global climate change.

Field excursions form an integral and valuable part of the curricula for Botany and Life Sciences students for understanding the subject. An excursion was organized on October 23-27, 2017 to Dalhousie and Khajjiar, Himachal Pradesh, for second year students of both B. Sc. (H) Botany and B. Sc. Life Sciences (73 students), under the scheme EXPLORE (Excursion for Peer Learning in an Open and Rejuvenating Environment) of the College. Young botanists were amazed by the beauty of one of the oldest and densest forests of deodar, diverse flora including many endemic species and the ecological aspects of the site. During field activity, students also learned the basic procedures of plant collection and processing for herbarium specimens. Overall, the experience invigorated the students from routine classroom teaching and inculcated the practicality of different theoretical concepts of Botany.

Another field trip was organized to Noida Botanical Garden on January 22, 2018 for the second year students who opted for Medicinal Botany as a Skill Development Course, under the CBCS mode. During the field visit, students learned the basic procedures of medicinal plant cultivation, collection and processing. In this session, an innovative concept of pedagogy i.e. 'RBPT: Research Based Pedagogy Tools' was learned and introduced by Dr. Rashmi Sharma in the College. A two day Research Based Pedagogy Tools (RBPT) based intra-college workshop on Microbial Techniques was organized on January 10-11, 2018 by the Department under the aegis of DBT Star College Scheme. The workshop was an introductory one and highlighted the objectives and scope of the various microbial techniques in the current research scenario. The participants were given an opportunity to represent their learning, understanding and applications of the microbial techniques in the form of a poster. The scientific ideas displayed on posters were a testimony of the success of the workshop.

Department of Chemistry

TIC: Dr Vandana Uberoi

The Department of Chemistry conducted a concept test in Chemistry for undergraduate students (ACT-CONTECH 2017-18) organized by Association of Chemistry Teachers (ACT) C/o Homi Bhabha Centre for Science Education (TIFR), Mumbai at the national level. The test was held on January 25, 2018. Dr. Seema Gupta was appointed the College Coordinator. Students scoring 30% or more marks receive approved and duly signed ACT certificates whereas book prizes were given to students scoring 60% or more.

The Department organized a one day workshop on 'Systematic Use of Digital Information in Academic Activities' on November 10, 2017 at the Web Centre for the undergraduate students.

An inter-college symposium entitled 'Safety Measures and Laboratory Ethics' for undergraduate students was organized on February 21-22, 2018.

The Department took a group of 60 students to the Rashtrapati Bhawan Museum complex on September 01, 2017. The Museum displays the memorabilias of the freedom struggle, vehicles that have been used by the president of India, model of Rashtrapati Bhawan, silicon sculpture of the important architects associated with its construction; a special art gallery and montage displayed through interactive multi-media techniques were the key highlights. In addition, the museum gave information about the former presidents of India, gifts offered by various countries to the presidents; three-dimensional holographs of former Presidents speaking to the visitors, and virtual reality room was very interesting. Several paintings of British kings and queens were also well-displayed. Besides, there was a 3D theatre and a seven screen projection that narrated the history of Rashtrapati Bhawan.

Department of Commerce

TIC: Ms Sadhna Gupta

Vanijya, the departmental society, organized CorpoMaze 2018 – The Annual Commerce Festival on February 15, 2018.

The Department took an initiative to organize Let's Talk - an interactive session on the trending economic and business related issues and developments on

September 27, 2017. The guest speaker for the session was CA, Rajeev Talwar – a man with great knowledge about all the fields related to commerce. The session was well received by the students. Other than the session, there was a group discussion round for the top 10 qualifiers of the quiz.

Department of Computer Science

TIC: Dr Chandra Kanta Samal

As the College welcomed its first-year students, the Department of Computer Science conducted a workshop on 'Introduction to Foss and Linux'. The primary motive of the 3-day workshop was to make students familiar with two concepts: firstly, need of Free and Open Source Software (FOSS) and secondly, use of Linux Operating System. The workshop was held from August 8 to 11, 2017 in the Web Facilitation Centre of the College. Volunteers for the Orientation were second year students of Computer Science (H) and Physical Sciences with Computer Science. The total number of active participants in the workshop was 735 from the 13 courses running in the College. These students were divided in 7 slots with 4 sessions (of three hours) in each slot. All the students participated in the workshop enthusiastically to learn to work on Linux which was indeed the main aim of the workshop.

The Turing Society of the Department of Computer Science organized its Annual Festival (Inter College Fest), Overload++, on February 22, 2018. During this festival, the Department organized two Technical Talks on Cloud Computing and E-Waste. The talk on Cloud Computing was presided over by eminent speaker, Mr Lalit Mathur and on E-Waste by Dr Geeta Bhatt. The festival included several interesting events like Breaking Bug, Counter Strike Source, The Hidden Hour, Mini-Militia, FIFA, Valar Morghulis, etc.

Department of Electronics

TIC: Dr Ravneet Kaur

The Electronica Society of the Department of Electronics, organized its annual festival 'Electro Blitz' on January 29, 2018. Mr. Sourabh Basu was the key speaker of the function. Mr. Sourabh Basu is a Scientist/Engineer 'SE', at ISRO Satellite Centre, Bangalore and is currently on deputation as Joint Deputy Director at NTRO, New Delhi. He delivered an informative talk on 'A Preface

into Wireless Communication and Electronic Warfare’. The speaker interacted with the students and answered their queries which enriched the knowledge of the students on the topic. The talk was followed by various interactive events like Mini Militia, Mobile Legends, Pac Man by Robots and Electronics Jingle competition.

Department of Mathematics

TIC: Dr Sadanand Prasad

The Department of Mathematics organized a short trip for the second year students of B. Sc. (H) Mathematics, II Year and B. Sc. Physical Sciences (Computer Science), II Year from October 11-14, 2017 to Shimla. Twenty two students were accompanied by eight teachers. The colonial architecture and churches, the temples and the natural environment were the main attractions. The students thoroughly enjoyed the visit to Jakhoo Temple, Mall Road and the Ridge. The students also visited Kufri which is at a height of 8,600 feet. They were delighted to visit a small zoo there. The trip gave a chance to the students to experience a new environment, to build stronger bonds among themselves and teachers and enjoy a few days beyond the classroom.

Department of Physics

TIC: Mr Pawan Kumar

The Department of Physics organized a one day invited talk on ‘Applications of Biomedical Imaging in Drug Discovery and Treatment Monitoring’ on September 26, 2017. The guest speaker was Dr. Soumya Mitra, Senior Scientist II, Abbvie Bioresearch Centre, Worcester, USA.

The Department of Physics in Association with the British Council, New Delhi organised a public lecture by Dr Jen Gupta on February 22, 2018 in the college. Dr Jen Gupta is an astrophysicist and a Science Communicator based in the Institute of Cosmology and Gravitation at the University of Portsmouth, UK where she is the SEPnet/Ogden Physics Outreach and Public Engagement Manager. Her talk titled “The Invisible Universe” was a part of the flagship programme- ‘Great talks’ of the British Council, New Delhi. Her talk delved into the enormity of the Universe which can be explored by probing it by the probes other than the visible range viz., x-ray, UV and infrared. Her lecture,



which was supplemented by beautiful images of the various astronomical objects, evoked great interest and curiosity among the students, which led to a very intense interaction between the speaker and the students.

Department of Zoology

TIC: Dr Monisha Khanna Kapur

The Department organized a one day workshop, 'Anxiety at Workplace', on August 25, 2017. The Workshop was conducted by Dr S.A. Basir, Psychiatrist, Wellness Hospital. Dr. Basir introduced the faculty members of the College to the ways by which workplace related anxiety and stress can be minimized.

A one day seminar, 'IPR and Social Insects', was conducted on September 5, 2017. The panel of speakers included Mr R. Saha (Advisor CII and Former Director PFC, TIFAC, DST), Dr Debjani De (Principal Scientist, Division of Entomology, IARI, Pusa, Delhi), Dr Rekha Chaturvedi (IPR Chair Professor, University of Delhi) and Ms Amanpreet Kaur, Project Assistant under IPR Chair, University of Delhi.

A hands-on training workshop, 'PCR & Southern Blotting', was held on September 26, 2017. The workshop received enthusiastic participation from the students who appreciated the experience of setting up their own experiments using PCR and Southern Blotting, two techniques which are at the core of all scientific research in Biology.

Educational visits and trips were also organized by the Department of Zoology that includes:

- Indian Agricultural Research Institute (IARI), Delhi: The students of B. Sc. (H) Zoology, II Year and B. Sc. Life Sciences, III Year were taken on an educational trip to IARI on September 25 and September 28, 2017, respectively. The students were introduced to the latest techniques involved in apiculture.
- Aravalli Biodiversity Park, Gurugram, Haryana: On October 13, 2017, the students of B. Sc. (H) Zoology, I Year were taken on a trip to the Aravalli Biodiversity Park. While visiting the Biodiversity Park, the students were introduced to important issues such as the need to conserve biodiversity and the various biodiversity conservation strategies.

- Haryana Agro Industries Corporation (HAIC), Murthal, Haryana: The students of B. Sc. (H) Zoology, II Year and B. Sc. Life Sciences, III Year were taken on an educational trip to HAIC on October 28, 2017. At HAIC, the students were provided technical know-how of the processes involved in the production of honey on an industrial scale.

The Departments of Zoology and Chemistry, organized a two day symposium, 'Safety Measures and Laboratory Ethics' on February 21-22, 2018 in the seminar hall of the College. A total of 94 participants, including undergraduate students and research scholars from within and outside the College, attended the symposium. Each of the participants of the seminar was provided with a safety kit containing a safety mask, goggles, cap and gloves.

7. DEPARTMENT OF BIOTECHNOLOGY (DBT) STAR COLLEGE SCHEME

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 has provided a one time grant of Rs 5.00 lakhs and Rs 2.00 lakhs recurring grant for a period of 3 years to each department.

Star College Scheme Coordinator	Dr Ravi Toteja
Departmental Coordinators	
Biomedical Science	Dr Archana Pandey
Botany	Dr Rashmi Sharma
Chemistry	Dr Seema Gupta
Computer Science	Dr Harita Ahuja
Electronics	Dr Ravneet Kaur
Physics	Dr Arijit Chowdhuri
Zoology	Dr Seema Makhija

Following activities were carried out this year under the scheme:

7.1. Hands-on Training to Students

S. No.	Programs	Dates	Course
Computer Science			
1	3-day workshop on Linux and FOSS	August 8-11, 2017	First year students of the college
Zoology			
2	Workshop on PCR and Southern Blotting	September 26, 2017	B. Sc. (H) Zoology B. Sc. (H) Chemistry B. Sc. (H) Physics B. Sc. Life Sciences

7.2. Visits

S. No.	Place	Date	Beneficiary
Computer Science			
1	National Centre for Medium Range Weather Forecasting (NCMRWF)	September 18, 2017	B. Sc. (H) Computer Science B. Sc. Physical Sciences (Computer Science)
Physics			
2	Inter-University Accelerator Centre (formerly Nuclear Science Centre), Aruna Asaf Ali Marg, Near Vasant Kunj, New Delhi, Delhi - 110 067	February 28, 2018	B. Sc. (H) Physics
Zoology			
3	Indian Agricultural Research Institute (IARI), Delhi	September 25-28, 2017	B. Sc. (H) Zoology, III Year B. Sc. Life Sciences, II Year
4	Aravalli Biodiversity Park, Gurugram, Haryana	October 13, 2017	B. Sc. (H) Zoology, III Year
5	Haryana Agro Industries Corporation, Haryana	October 28, 2017	B. Sc. (H) Zoology, III Year B. Sc. Life Sciences, II Year

7.3. Invited Lectures

S. No.	Title of Talk	Date	Invited Speaker
Botany			
1	Wonders of Pollination at Work	September 26, 2017	Professor Rajesh Tandon, Department of Botany, University of Delhi
2	Biodiversity and the Need for its Conservation	November 2, 2017	Dr Rita Singh, University School of Environment Management, GGSIPU



S. No.	Title of Talk	Date	Invited Speaker
3	Environment, Ecology, Ecosystem and Ecological Restoration	January 18, 2018	Professor C. R. Babu University of Delhi
Computer Science			
4	Ethical Hacking	September 15, 2017	Dr A.K. Mohapatra Associate Professor, Indira Gandhi Delhi Technical University for Women (IGDTUW)
5	E-Waste – A Challenge of 21st Century	February 22, 2018	Dr Geeta Bhatt, Associate Professor, Department of Instrumentation, Bhaskaracharya College of Applied Sciences, University of Delhi.
6	Cloud Computing	February 22, 2018	Mr Lalit Mathur, Director, DCIRRUS (College Alumnus)
Electronics			
7	A Preface into Wireless Communication and Electronic Warfare	January 29, 2018	Mr Sourabh Basu, Scientist/ Engineer 'SE', ISRO Satellite Centre, Bangalore & Joint Deputy Director, NTRO, New Delhi
Physics			
8	Applications of Biomedical Imaging in Drug Discovery and Treatment Monitoring	September 26, 2017	Dr Soumya Mitra, Senior Scientist II, Abbvie Bioresearch Center, Worcester, MA, USA & Former faculty at University of Rochester, Rochester, NY USA

7.4. Projects

S. No.	Project	Mentors	Students	Course/s
Biomedical Science				
1	Extraction, Isolation and Characterization of Bioactive Compounds Present in Leaves, Fruit and Bark Extract of <i>Aegle marmelos</i>	Dr Archana Pandey (Department of Biomedical Science) Dr Sunita Hooda (Department of Chemistry) Dr Satendra Singh (Department of Biomedical Science)	Shreya Verma Varshini Yash Shukla Deepak Pokhreal Sunaina Gunjan Himani Shivam Kumar	B. Sc. (H) Biomedical Science, II Year B. Sc. (H) Chemistry, I Year
Botany				
2	Production and Characterization of Exopolysaccharide by Isolated Microorganisms and their Industrial Applications	Dr Manoj Singh Dr Anupama Shukla (Department of Botany) Dr Pankaj Khanna (Department of Chemistry)	Manohar Singh Hemant Kumar Shubhangi Shivani Deepak Priya Hasija Nashra Naz	B. Sc. (H) Botany, II Year
3	Effect of ROS Signalling on Growth of Certain Medicinal Plants Growing in College Campus	Dr Geetika Kalra Dr Anita Thakur (Department of Botany) Dr Manisha Jain (Department of Chemistry)	Anjali Aishwarya Charvee Mahima Manoj Kumar Preetam Kashyap Megha Parul	B. Sc. (H) Botany, II Year

S. No.	Project	Mentors	Students	Course/s
Chemistry				
4	Biological Nutrient Removal (BNR) of Waste Water Pollutants using Micro Organisms	Dr Vandana Uberoi (Department of Chemistry) Dr Charu Khosla Gupta (Department of Botany) Dr Ravi Toteja (Department of Zoology)	Sibaram Sadangi Vikas Shukla Vrinda Akash Shubham Kumar Dubey Subhojit Mitra Saranya Nair Mahima Pundir Dipin Tomar Vaibhav Srivastva Rajan Mishra	B. Sc. (H) Biomedical Science, II Year B. Sc. Life Science, II Year B. Sc. Life Science, III Year B. Sc. (H) Botany, III Year B. Sc. (H) Chemistry, III Year
5	Effect of Industrial Chemicals in the Four Important Rivers and its Tributaries of India	Dr Vandana Uberoi (Department of Chemistry) Dr Sunita Hooda (Department of Chemistry) Dr Sunita Narang (Department of Computer Science)	Antim Rani Anu Malik piyush Kumar Megha Tanwar Utkarsha Sharma Deepansh Deepanshu Divyanshu Praveen Kumar	B. Sc. (H) Chemistry, II Year B. Sc. (H) Computer Science, III Year
6	Application of Magnetic Chitin Composites for the Removal of Toxic Metal and Organic Dyes from Industrial Effluents	Dr Sunita Hooda Dr Geetu Gambhir (Department of Chemistry)	Ravina Yadav Heena Malik Aniket Mariyam Monika	B. Sc. (H) Chemistry, II Year

S. No.	Project	Mentors	Students	Course/s
		Dr Sarita Kumar, (Department of Zoology)	Akarsh Pandey Tanuja Sharma	B. Sc. (H) Chemistry, II Year
			Senjuti Sengupta Partho Proteem Das Akshit Chauhan	B. Sc. (H) Zoology, II Year
7	Synthesis, Characterization of Various Metal Sulfide Nanoparticles with Different Precursors and Stabilizing Agents and their Applications	Dr Seema Gupta (Department of Chemistry) Dr Gagan Dhawan (Department of Biomedical Science)	Nitish Kumar Priya Saurabh Aggarwal Deepanshi Disha Mani Gupta	B. Sc. (H) Biomedical Science, III Year B. Sc. (H) Biomedical Science, II Year
			Chinmay Gupta Priya Yadav Harsh Vardhan Swarnanil Shagun	B. Sc. (H) Chemistry, II Year B. Sc. (H) Chemistry, I Year B. Sc. Life Sciences, III Year
Computer Science				
8	Functional Group Analysis with Depth of Chemistry	Dr Sharanjit Kaur Dr Vibha Gaur Ms Shiva Saini (Department of Computer Science) Dr Neeti Mishra Dr Pankaj Khanna (Department of Chemistry)	Kashi Sachin Kartik Rahul	B. Sc. (H) Computer Science, II Year B. Sc. Physical Sciences (Computer Science), I Year



S. No.	Project	Mentors	Students	Course/s
			Harshit Srivastava Mahima Pundeer	B. Sc. (H) Chemistry, III Year
9	Development of Recommender System to Combat Disaster Management in the College	Dr Sunita Narang Dr Harita Ahuja Ms Gunjan Rani Ms Arunita Chaukiyal (Department of Computer Science) Mr Kamal Ms Ritu Mangla (Administration)	Garima Jahnvi Mayank Priyanshi Lucky Asad Niranjan Sarang	B. Sc. Physical Sciences (Computer Science), II Year B. Sc. (H) Biomedical Science, I Year
10	Creation of Web and/ or Mobile Based Applications to Implement Various Tasks in the College	Dr Preeti Marwaha Ms Anu Preveen Ms Priyanka Sharma (Department of Computer Science) Mr Kamal Ms Ritu Mangla (Administration)	Supriya Mudita	B. Sc. (H) Computer Science, II Year
11	Secure Router Based Centralized Controlled Network in the College	Dr Chandra Kanta Samal Mr Keshava Pratap Singh Ms Nishu Singh Mr Tarun Sharma Mr Sanjay Sangwan (Department of Computer Science)	Deepansh Nimish Divyanshi Deepanshu Sunil, Ashish Shubham Gupta Shubham Pal Prateek, Vivek Himanshu	B. Sc. (H) Computer Science, II Year
Electronics				
12	Plant Electro Stimulation and Data Acquisition	Dr Ravneet Kaur Dr Udaibir Singh (Department of Electronics)	Rachit Agrawal Sumit Vashista Rohit Saini Devender Soni Gagan	B. Sc. (H) Electronics, I and III Year

S. No.	Project	Mentors	Students	Course/s
		Dr Anita Narang (Department of Botany) Ms Gauri Ghai (Department of Electronics)	Pooja Semester Nishika Shivangi Charvee Anjali	B. Sc. (H) Botany, II Year
13	Assistive Gadgets for Visually Impaired Students a) Light to Sound Convertor / Optocoupler b) Color Detector	Dr Ravneet Kaur Ms Gauri Ghai (Department of Electronics)	Abhishek Raiwani Adarsh Maurya	B. Sc. (H) Electronics, III Year
14	Mine Detection Drone	Dr Ravneet Kaur Ms Gauri Ghai (Department of Electronics)	Chiradeep Das Ritesh Raj	B. Sc. (H) Electronics, II Year
15	Development of Nanostructured Thin Films	Dr Amit Garg Dr Arijit Chowdhuri (Department of Physics)	10 Students	(5 Electronics and 5 Physics)
16	Paradigm Shift in Material Science-2D Materials: Familiarity, Synthesis and Application	Dr Amit Garg (Department of Electronics)	5 Students	(5 Electronics)
Physics				
17	Measurement of Surface Plasmon Resonance (SPR) Reflectance Curves at Metal (gold) – Air Interface	Dr Arijit Chowdhuri Dr V Bhasker Raj (Department of Physics)	10 students	B. Sc. (H) Physical Sciences (Chemistry), II Year
18	Measurement of Surface Plasmon Resonance (SPR) Reflectance Curves at Metal (gold) – dielectric Thin Film (ZnO) – Air Interface	Dr Arijit Chowdhuri Dr V Bhasker Raj (Department of Physics)	06 students	B. Sc. (H) Physical Sciences (Chemistry), II Year

S. No.	Project	Mentors	Students	Course/s
19	Deposition of Thin Films Using Thermal Evaporation – A Physical Vapour Deposition Technique	Dr Arijit Chowdhuri (Department of Physics)	06 students	B. Sc. (H) Physics, III Year B. Sc. (H) Physical Sciences (Electronics), II Year
20	Gauging the Concentration and Aerodynamic Diameters of Particulate Matter in the Ambient Including College Laboratory, Library, Classrooms, Offices etc.	Dr Arijit Chowdhuri Dr V Bhasker Raj (Department of Physics) Dr Charu Khosla Gupta (Department of Botany)	30 students	B. Sc. (H) Physics, III Year, B. Sc. Life Sciences, III Year and B. Sc. (H) Chemistry, III Year
21	Studies on the Alteration In the Oviposition Potential and Fertility of Insects Exposed to Various Insecticides	Dr Sarita Kumar (Department of Zoology)	Sakshi Saraswat Ayushi Ratauri Sunil Pushpanjali Das Shilpi Singh Kajal Goyal	B. Sc. (H) Zoology, II Year
22	Study of Regeneration in Ciliates	Dr Seema Makhija and Dr Ravi Toteja (Department of Zoology) Dr Pooja Bhagat (Department of Chemistry)	Harsh Khushboo Vanya	B. Sc. (H) Chemistry, I Year B. Sc. (H) Zoology, II Year
23	To study the Anti-oxidant Properties of Citrus Fruits on <i>E.coli</i>	Dr Rahul Dev (Department of Zoology)	Ayeshna Shivani Dhiraj Harsh Shusma Pawhesh	B. Sc. (H) Zoology, II Year

S. No.	Project	Mentors	Students	Course/s
24	Analysis of Water Quality for Aquaculture: Dissolved Oxygen, Ammonia, Nitrite, Nitrate, pH, Conductivity, Turbidity, etc.	Dr Sweety Shrimali Dr Khangembam Cherita Devi (Department of Zoology) Dr Arijit Chowdhuri (Department of Physics)	Sadaf- Priyanka Yadav Sumran Radhika Mohit Singh Shyam Manohar	B. Sc. Life Sciences, II Year

7.5. Workshops

Biomedical Science

Department organized one day Workshop on *Forensic Examination of Documents* on June 16, 2017. The workshop was planned for non-teaching staff of Delhi University colleges. The workshop was attended by 37 participants from 18 different colleges. Esteemed speaker Mr. J. K. Semwal, from National Institute of Criminology and Forensic Science, New-Delhi, informed the audience about different types of frauds done in documents, handwriting and signatures and how Forensic Science can help to detect such fraudulent cases. The participants were given hands-on training and demonstrations of various security features present in documents (Currency notes, Stamp Paper, Cheque, Demand Draft and Marks Sheet).

One Day Workshop on Forensic Examination of Documents (Under the DBT-STAR scheme) for Acharya Narendra Dev College Faculty who are involved in admission process (June 23, 2017).

Botany

Department organized a RBPT (Research Based Pedagogical Tools) based two day workshop for students of the College on “Microbial Techniques” under the aegis of DBT star college scheme.

Participants were given hands-on experience of LB and LB agar media preparation, autoclaving and laminar hood use for inoculation, spreading and streaking of bacteria (*E. coli*) in LB and LB agar plates respectively. Lecture on preparation of competent cells, transformation and screening techniques was delivered by the faculty members. The process was also demonstrated through

a video film. This was followed by hands-on preparation of the competent cells by the participants. Hands-on transformation of *E. coli* and inoculation on selection and screening media was performed by the students.

RBPT session conducted by Dr Rashmi Sharma, wherein the participants were given an opportunity to represent their learning, understanding and applications of the microbial techniques on a poster. Participants were divided into random group of three and each group was asked to prepare one poster on application of their learning and experience gained during the workshop for which they were allotted 3 hours and allowed access to study material from library and internet to ease their task. The posters were all displayed together and evaluated by a committee. Each member of the respective group actively participated and openly defended their ideas and proposed application of the techniques they learnt in the workshop.

Computer Science

As the college welcomed its first-year students, a workshop on 'Introduction to Foss and Linux' was conducted by the Department of Computer Science under Star Scheme. The primary motive of 3 day workshop was to make students familiar and aware with following two concepts: firstly, need of Free and Open Source Software (FOSS) and secondly, Use of Linux Operating System. The workshop was held from August 8 to 11, 2017 in Web Facilitation Center of the college. Volunteers were second year students of Computer Science (H) and Physical Science with Computer Science. The total number of active participants in the workshop were 735 from the 13 courses running in the college viz. B. Sc. Physics (H), B. Sc. Botany (H), B. Sc. Zoology (H), B. Sc. Chemistry (H), B. Sc. Maths (H), B. Sc. Electronics (H), B. Sc. Computer Science (H), B. Sc. Biomedical Science (H), B. Com (H), B. Sc. Physical Science with Computer Science, B. Sc. Physical Science with Chemistry, B. Sc. Physical Science with Electronics and B. Sc. Life Sciences. These students were divided in 7 slots with 4 sessions (of three hours) in each slot.

- Session 1: First session was conducted on introduction to operating system with emphasis on Linux (45 minutes). Further, light was thrown on Free and Open Source Software (FOSS) with prominence on it's usage in Linux.
- Session 2: Second session (25 minutes) explained contrasting softwares of Linux and Windows. The students were also familiarized with basic Linux commands like cd, ls etc.



- Session 3: Third session (40 minutes) illustrated the working of Libre Office Suite (Doc Writer, Calc and Impress).
- Session 4: Fourth session was primarily a practice session of 60 minutes consisting of exercises like bio-data on doc-writer, evaluating salary on calc and school presentation on impress.

Zoology

Department, organized a workshop entitled, 'Anxiety at Workplace' on August 25, 2017 at 1:00 p.m. in the Conference Hall. The Workshop was conducted by noted psychiatrist Dr S.A. Basir. In the Workshop, Dr Basir provided the participants an insight into the field of anxiety management. He started the Workshop by identifying the major causes of anxiety, particularly those which are prevalent at the Workplace. He then revealed that workplace related anxiety is escalating at an alarming rate and that 1 out of every 4 persons is suffering from an anxiety-related disorder. He concluded the workshop by discussing the small changes that each person can make in their lifestyles to lead a life devoid of stress and anxiety. The Workshop was attended by 41 participants. The participants of the Workshop participated enthusiastically in the discussions and felt that the Workshop had equipped them to handle anxiety with a much more logical and scientific approach.

Department of Zoology organized one day seminar on "IPR awareness & social insects on September 5, 2017, under the aegis of MHRD IPR Chair and DBT Star College Scheme. There was huge number of participants from all the Departments of the college. The program included two technical sessions. First session was focussed on "IPR awareness", that included discussions & importance of IPRs and their protection, Patenting procedures, searches, patentable and non-patentable inventions, copyright protection, issues of do's and don'ts in the context. Mr R. Saha, advisor CII, was keynote speaker for the session. He highlighted the importance of IPR & protection very nicely with practical examples. This created enthusiasm among the participants.

Dr Rekha Chaturvedi, IPR Chair Professor (technical), DU: Dr Rekha Chaturvedi, a Scientist by training, is an experienced professional in the field of Intellectual Property Management with 14 years of IP and 30 years of R&D experience. She delivered two talks on Patent procedures, searches and on Copyrights respectively. She emphasized on the trends of patent filing in India and abroad and cited success stories on capitalizing of IP.



Ms Amanpreet Kaur, Research Assistant under IPR Chair, delivered a talk on Industrial designs and registration.

The second Technical session was dedicated to "Wonder world of Social Insects" by Dr Debjani Dey, Principal Scientist, IARI. Dr Dey is currently working as a Principal Scientist in the Biosystematic Section of the Division of Entomology, IARI.

7.6. Two Day Symposium on Safety Measures and Laboratory Ethics

The Departments of Zoology and Chemistry, under the aegis of DBT Star College Scheme, organized a 2-day symposium, '*Safety Measures and Laboratory Ethics*' on February 21-22, 2018 in the seminar Hall of the College. A total of 94 participants, including undergraduate students and research scholars from within and outside the College, attended the symposium. Each of the participants of the Seminar was provided with a safety kit containing a safety mask, goggles, cap and gloves.

Dr Rita Singh (Professor, Department of Zoology, University of Delhi) was the first invited speaker to deliver a talk at the Symposium. Her talk introduced the participants to the ethical issues involved in performing research on human subjects. The next speaker was Dr Mrutyunjay Suar, Director, School of Biotechnology, KIIT University, Odisha. In his talk Dr Suar discussed laboratory ethics with a medical microbiology perspective. He emphasized the proper disposal measures that need to be followed while discarding microbial waste. In the post-lunch session, Dr Suar delivered an interactive lecture that discussed the journey of science from the initial stages of conception of a scientific idea to its execution on an industrial scale. The last speaker of the day was Dr Sanjeev Kumar Sharma, Senior Manager, Health & Safety, Jubilant Generics Limited. In his talk Dr Sharma discussed with the participants all the safety measures that need to be undertaken while working with potentially hazardous chemicals.

On February 22, 2018, the first talk was delivered by Dr Vijay Pal Singh, Deputy Director, FSSAI. Dr Singh discussed the relevance of ethics to science students. Dr. Singh explained the concepts and methodology involved in the ethical use of animals for research. The next speaker was Dr Rup Lal, Professor, Department of Zoology, University of Delhi. In his talk Dr Lal shared with the participants his experiences related to management of a research laboratory.

The post-lunch session started with an interactive talk by Dr Gagan Dhawan, Assistant Professor, ANDC, University of Delhi. Dr Dhawan's talk encompassed the various aspects of safety in a science lab. The next speaker was Dr Sanjukta Subudhi, Scientist, TERI. Dr Subudhi's talk was aimed at introducing the participants to the concept of a zero waste future and the role that scientific research will play towards that goal. The last speaker at the Symposium was Dr Kamal Gupta, Associate Professor, Deshbandhu College, University of Delhi. In his talk, Dr Gupta discussed the importance of scientific research and the need for higher safety regulations while performing research.

The Seminar was concluded with a Vote of Thanks followed by the distribution of certificates to the participants, all of whom interacted actively with the speakers. The participants were enthusiastic about the ideas and concepts presented in the Symposium. They appreciated the need for a hazard-free and safe work environment and opined that the Seminar had made them realize the importance of ethics in the pursuit of science.

8. INTERNAL COMPLAINTS COMMITTEE (ICC)

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 (Department of Botany)
6. Mr Rajesh, Laboratory Assistant (Department of Chemistry)

The ICC Presiding Officer is also the Convenor of the Women's Development Cell of the College – *Sashakt* – the Society for Women's Empowerment.

Status Report of ICC as in March 2018

S. No.	Particulars	Number
1.	No. of Complaints of sexual harassment received in the year	01
2.	Number of complaints disposed of during the year	01
3.	Number of cases pending for more than 90 days	NA
4.	Number of workshops on awareness programmes against sexual harassment conducted during the year	06
5.	*Workshop cum interactive session on sexual harassment and women's issues	02
6.	Awareness programme on safety and gender equality	04
7.	Methods adopted in awareness programmes	Poetry competition, Creative writing competition, Expression of thoughts campaigns, movie screening, self defense training, Visit to Court premises

**The details of workshops and awareness programme are enlisted under report of Sashakt (Section 6.2.1.5)*

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)

Convenor: Dr Sandeep Goel (Department of Commerce) and Dr Geetu Gambhir (Department of Chemistry)

Acharya Narendra Dev College conducted the ninth batch of short-term Add-on course on “Effective Communication and Personality Development through Theatre” during August-October 2017. The course started in the month of August & came to an end on October 17, 2017 with brilliant and enthusiastic performances by students of the course. The course had several eminent theatre personalities as Resource Persons and 34 students as participants. The course is inspired by, and seeks to implement UNICEF and WHO’s internationally recognized vision of life skills based education. The course seeks to hone in students skills such as effective communication, dynamic leadership through problem solving, critical thinking and decision-making, ability to think creatively and act confidently through acting, improvisations, performances and scripting, teamwork and interpersonal relationships skills focusing on relationships with the self, friends and family, and society, and self-management and self-awareness building skills through effective conflict management, negotiations and the ability to cope with stress and manage time effectively.

The culmination to the add-on course ECPDT was held on October 17, 2017 in college premises. A total of 34 participants with 12 volunteers participated in this event. The event was coordinated by the student themselves under the guidance of Course Director, Mr. Ajay Manchanda. The Event was unfolded by the principal, Dr. Savithri Singh and Chief Guest, Professor Nivedita Deo, member, Governing Body, Acharya Narendra Dev College. The journey of culmination began by welcoming the Chief Guest and the parents of the



participants through games and recreational activities like musical chairs, balloon race etc. in which the parents participated heavily. Then the journey went through an exhibition of the exercises and creative things made by the participants during the course. The parents thoroughly went through the exercises and understood about their children. After the exhibition, the parents gave their confessions and testimonials of their children through a video recording. The parents then moved on to see an improvisation made by their children based on the theme of art and ambition and they were also entertained by another improvisation which was based on real life characters.

9.2. Foreign Languages

Course Coordinator: Dr Geetu Gambhir (Department of Chemistry)

This year the Foreign Language Centre of the College offered following part-time courses:

Certificate Course in French*, German*, Spanish* and Russian (*Self Financed)

Diploma Course in French, Spanish and German

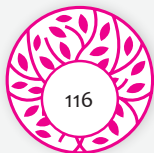
Advance Diploma Course in French

Classes are generally scheduled in the late afternoons to suit working students. Our college is one of the most sought after Foreign language Centre in the University.

9.3. Legal Awareness

Course Coordinator: Dr Manisha Jain (Department of Chemistry)

ANDC in coordination with Delhi State Legal Services Authority, South-East District has started a two months Add-on Course on 'Legal Awareness' for college students in January 2018. The course aims at guiding the students on various legal topics and pressing issues like Introduction to law, witness protection scheme and Delhi victim compensation scheme, gender sensitive laws, traffic rules etc. The classes are held once a week and are taken by Ms. Tanvi Khurana, L'd Metropolitan Magistrate and Secretary, DLSA South East, Saket Court. The course also includes the visit of the enrolled students to Saket Courts complex and to Tihar Prison complex. A total of 52 students are enrolled for the course.



10. COLLEGE DEVELOPMENT

10.1. Digital Initiatives

Acharya Narendra Dev College reached a pinnacle of technological transformation by providing the College faculty with sophisticated TABLETS to keep up the quality of the teaching-learning process. These tablets have been given to facilitate online marking of attendance, uploading of internal assessment assignments, upload and access to e-content, timetable, use of Learning Management System for conducting online examination, result analysis, SMS and meeting notices, online service request etc. College has also provided corporate mobile internet connectivity to all faculty members. College campus is fully Wi-Fi enabled. The University of Delhi has provided 100 MBPS internet connectivity through OFC.

More than one thousand students have been provided with individual laptop facility. The College has deployed an Enterprise Resource Planning (ERP) to offer services to stakeholders in digital mode. The Ministry of Human Resource Development (MHRD) is working all out to implement the 17 point action plan which was adopted during the National Convention on Digital initiatives held at Vigyan Bhawan in New Delhi on July 9, 2017. The 17 point action plan requires institutions to have Digital Campus where various facilities like admissions, academic calendar, attendance, assessments, result declaration, administration, finance etc. shall be computerized as part of Digital Action Plan. The College is already offering various services in digital mode. The various services/initiatives offered are:

1. Online fee payment services: Students have been facilitated with online fee payment like student fee, fine, examination fee, workshop registration fee etc. through ERP. All fee and fines are paid online by students through the payment gateway integrated to ERP. This facility has also been extended to ex-students.
2. College time-table, online student attendance as well as internal assessment is continued to be taken on ERP. Semester attendance as well as internal assessment is available on students' dashboards through their login on ERP.

3. Student's entry to the college is through RFID enabled smart identity cards.
4. Library is RFID enabled with self issue and return of books by students.
5. All communications are sent to the students through SMS on their registered mobile numbers as well as through email.
6. The students apply for all the scholarships of the college using a single window application system.
7. E-content hosting and online assessment of the students is being done using Learning Management System to improve teaching-learning process.
8. Reports of various committees and societies of the college, Innovation projects, ELITE (College summer projects) etc. is available to all stakeholders on their community portal. Questions papers of previous years' university examination are also available to students online.
9. Students' feedback on infrastructure and other facilities is collected using ERP and the reports are shared with the concerned committees for quality improvement.
10. All receipts and payments are being made by the college through e-transfer. Scholarships and award money is directly transferred to students' account under Direct Benefit Transfer (DBT).
11. Prepaid Suvidha cards are used for imprest/advance. These cards can be accessed online through the bank portal.
12. Payment by students for the services like Canteen, Photostat etc. to the respective vendors has been activated through e-wallet like Paytm.
13. All the computational facility in the college is having open source operating system UBUNTU along with Open Office.
14. Subscription to infibnet facility for online access of e-books and journals from home is provided to students and staff. College website is based on Drupal, an open source content management system.
15. College has been conducting regular workshops on FOSS and OER since 2007. College has been the recipient of prestigious OPAL award in 2011 for quality and innovation through Open Educational Practices.

10.2. 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.

10.3. 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) Mathematics Research Centre Laboratory
- (xiv) Inorganic Chemistry Laboratory

The College has 15 Ph.D. students pursuing their research work under the supervision of 16 University of Delhi 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. 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. This grant has facilitated the smooth running of these research and innovation laboratories.

10.4. Financial Grants Received

Project/Scheme	Funding Agency	Amount (2017-18)
GIA Salary	Directorate of Higher Education, GNCTD	23,76,00,000
GIA Other than Salary		1,05,00,000
GIA Capital Assets		90,00,000

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 details are as follows:

Date	Topic	Company
September 08, 2017	How to do well in Group Discussions & Interviews	CL Educate Ltd
August 24, 2017	How to creat a perfect resume Why self-awareness matters- getting prepared for interview	Telerang (Unleashing Talent)
November 02, 2017	Management Education importance in India and Abroad Stand up for Startups	Mindworkzz and Interns india.com
November 07, 2017	Career Launcher Scholarship Tests	CL Educate Ltd

Recruitment Drive 2017-2018

Date	Company	Job Profile	Package (lakhs per annum)	Selected Student
September 28, 2017	Concentrix Daksha	Practitioner	2.2 - 2.6	14
November 10, 2017	Millinium Auto System	Management Trainee	1.2	0
January 12, 2018	Genpact	Health care process	1.5	14
		Banking Financial Services and Insurance	1.35	
		Voice (Customer Services/ Collections)	1.5 - 2.0	



Date	Company	Job Profile	Package (lakhs per annum)	Selected Student
January 12, 2018	Genpact	Finance & Accounting	1.5 -1.8	
February 12, 2018	Concentrix Daksha	Practitioner	2.2 - 2.6	16

12. MEDICAL CONSULTATION AND PSYCHOLOGIST/COUNSELLOR FACILITY

College has provided the services of a Medical Consultant and Psychologist/ Counsellor in the college. Each of them visits the college twice a week. Students as well as staff members have been benefited by this facility.

ANNEXURE I

Peer Reviewed Journals

Research Publications by Faculty

1. Eniyan, K., Dharavath, S., Vijayan, R., **Bajpai, U.**, & Gourinath, S. (2018). Crystal structure of UDP-N-acetylglucosamine-enolpyruvate reductase (MurB) from *Mycobacterium tuberculosis*. *Biochimica et Biophysica Acta (BBA)-Proteins and Proteomics*, 1866(3), 397-406.
2. **Bajpai, U.**, Mehta, A. K., Eniyan, K., Sinha, A., Ray, A., Viridi, S., Ahmad, S., Shah, A., Arora, D., Marwaha, D., Chauhan, G., Saraswat, P., Bathla, P., & Singh, R. (2018). Isolation and characterization of bacteriophages from India, with lytic activity against *Mycobacterium tuberculosis*. *Canadian Journal of Microbiology* (Accepted).
3. Zhang, W., & **Dhawan, G.** (2017). A brief overview of chemical and biological synthesis of vanillin flavour. *Journal of Shanghai Institute of Technology (Natural science)*, 17(2), 102-111.
4. Zhang, X., **Dhawan, G.**, Muthengi, A., Liu, S., Wang, W., Legris, M., & Zhang, W. (2017). One-pot and catalyst-free synthesis of pyrroloquinolinediones and quinolinedicarboxylates. *Green Chemistry*, 19(16), 3851-3855.
5. **Jetly, S.**, Verma, N., Naidu, K., Faiq, M. A., Tulika, S., & Saluja, D. (2017). Alterations in the reactive oxygen species in peripheral blood of chronic myeloid leukemia patients from Northern India, 11(8), XC01.
6. **Gupta, C. K.**, & **Chowdhuri, A.** (2017) Virtual Learning Environment (VLE)- A platform to enhance quality education. *International Journal on Education Growth and Research*, 2(1).
7. Sharma, S. V., & **Hooda, S.** (2017). An analysis upon various strategies for redesign and direct evolution of enzyme engineering. *Journal of Advances in Science and Technology* 13, 144-150.
8. **Khanna, P.**, Khanna, L., Thomas, S. J., Asiri, A. M., & Panda, S. S. (2018). Microwave assisted synthesis of spiro heterocyclic systems: A review. *Current organic chemistry*, 22(1), 67-84.

9. Kumar, R., **Arya, D. K.**, Singh, N., & Vats, H. K. (2017). Comparative study of removal of Cu and Pb from aqueous solution by using modified rice husk ask as an adsorbent. *International Journal of Chemistry and Applications*, 9(1), 15-21.
10. Kumar, R., **Arya, D. K.**, Singh, N., & Vats, H. K. (2017). Developing a low cost activated carbon from agricultural waste for the removal of heavy metal from cotaminated waste. *International Journal of Applied Chemistry* 13(3), 453-460.
11. Joshi, Y. C., Joshi, M. C., Chopra, V., Joshi, R. K., Sharma, R. Kant., & **Kumar, V.** (2017). Sportsmen's energy package Cordyceps sinensis: Medicinal importance and responsible phytochemical constituents. *American Journal of Essential Oils and Natural Products*, 5(2), 37-51.
12. Chaudhary, U., **Samal, C. K.**, & Kumar, V. (2007). Online signature verification: A review. *IOSR Journal of Computer Engineering*, 19(2), 33-37.
13. Choudhury, R. K., & **Samal, C. K.** (2017). Comparative analysis on path planning algorithm's on mobile robot in image processing. *International Journal of Advance Engineering and Research Development*, 4(8), 30-37.
14. Choudhury, R. K., & **Samal, C. K.** (2017). Impact of DDA optimization on mobile robot path planning for mixed image in image processing. *International Journal of Advanced Research in Computer Science*, 8(8), 474-480.
15. Choudhury, R. K., & **Samal, C. K.** (2017). Target assignment in robotics and its distance optimality using DDA optimization in image processing. *International Journal of Science and Research Methodology* 7(3), 30-40.
16. Choudhury, R. K., Kumar, S., & **Samal, C. K.** (2017). Mobile robot path planning approach: A review. *International Journal of Advanced Scientific Research and Management*, 2 (8). 132-139.
17. **Samal, C. K.** & Choudhury, R. K. (2017). Architecture based on environmental monitoring system using zigbee wireless sensor networks. *International Journal of Advanced Scientific Research and Management*, 2 (8), 123-129.
18. **Samal, C. K.** (2017). A review on multiple channel allocation in mobile ad hoc networks. *International Journal of Advance Engineering and Research Development*, 4(7), 441-447.

19. **Samal, C. K.,** & Choudhury, R. K. (2018). Bandwidth efficient broadcast protocols in manets: A review. *International Journal of Computer Sciences and Engineering*, 6(1), 49-54.
20. **Samal, C. K.,** Choudhury, R. K., Kumar, V., & Mishra, S. (2017). Low power consumption in zigbee wireless networks: A, review. *International Journal of Advance Engineering and Research Development*, 4(12), 879-886.
21. **Garg, M. K.,** & Venkataramiah, G. (2016). Portrayal of double standards in Salma's narrative- The hour past midnight. *International Journal of English Language Literature and Humanities*, 4(11), 2321-7065.
22. **Garg, M. K.** (2017). Society and Sex Work in *The Autobiography of a Sex Worker* by Nalini Jameela. *Language in India*, 17 (7), ISSN: 1930-2940.
23. **Rakshit, J. D.** (2017). The White Woman's Gaze. *International Journal of English Language, Literature in Humanities*, 5 (7), 52-61.
24. Sharma, A., Sharma, U., & **Singh, C.** (2017). A robust replenishment model for deteriorating items considering ramp-type demand and inflation under fuzzy environment. *International Journal of Logistics Systems and Management*, 28(3), 287-307.
25. Sharma, A., Sharma, U., & **Singh, C.** (2018). An analysis of replenishment model of deteriorating items with ramp-type demand and trade credit under the learning effect. *International Journal of Procurement Management*, 11(3), 313-342.
26. **Singh, C.,** & Singh, S. R. (2017). Supply chain model with two storage facility for stock dependent demand incorporating learning and inflationary effect under crisp and fuzzy environment. *International Journal of Fuzzy System Applications*, 6(2), 82-109.
27. Hariwal, V, R., Malik, H. K., **Negi, A.,** & Kandasami, A. (2018). Controlling room temperature ferromagnetism and band gap in ZnO nanostructured thin films by varying angle of implantation. *Royal Society of Chemistry Advances*, 8(12), 6278-6287.
28. **Kumar, S.,** Warikoo, R., Mishra, M., Samal, R. R., Rana, S., Panmei, K., Dagar, V. S., & Sharma, A. (2017). Impact of *Ocimum basilicum* leaf essential oil on the survival and behaviour of an Indian strain of Dengue Vector, *Aedes aegypti* L. *Vector Biology Journal*, 2017, 2:2.

29. Mishra, M., Gupta, K. K., & **Kumar, S.** (2017). Growth regulatory and growth inhibitory effects of *Thevetia neriifolia* stem extracts on *Helicoverpa armigera* (Lepidoptera: Noctuidae). *Archives of Phytopathology and Plant Protection* (Accepted)
30. Shamsi, T. N., Parveen, R., Ahmad, A., Samal, R. R., **Kumar, S.**, & Fatima, S. (2017) Inhibition of gut proteases and development of dengue vector, *Aedes aegypti* by *Allium sativum* protease inhibitor. *Acta Ecologica Sinica* (Accepted). <https://doi.org/10.1016/j.chnaes.2018.01.002>
31. Sharma, A., **Kumar, S.**, & Tripathi, P. (2017). Assessment of *Achyranthes aspera* induced toxicity and molecular analysis of RAPD-PCR profiles of larval genomic DNA of *Aedes aegypti* L. (Diptera: Culicidae). *Journal of Parasitic Diseases*, 41 (4), 1066-1073.
32. Sharma, A., **Kumar, S.**, & Tripathi, P. (2017). A facile and rapid method for green synthesis of *Achyranthes aspera* stem extract-mediated silver nanocomposites with cidal potential against *Aedes aegypti* L. *Saudi Journal of Biological Sciences* (Accepted).
33. Dagar, V. S., & **Kumar, S.** (2018) Emamectin Benzoate: Potential larvicide and antifeedant agent against cotton boll worm *Helicoverpa armigera* (Lepidoptera: Noctuidae). *Journal of Applied and Natural Sciences* (Accepted).
34. Shrankhla, & **Kumar, S.** (2018). Larvicidal activities of petroleum ether extracts of different fruit peel wastes against an Indian strain of filarial vector, *Culex quinquefasciatus* Say (Diptera: Culicidae). *European Journal of Biomedical and Pharmaceutical Sciences*, 5(2), 1074-1078. DOI: 10.1016/j.sjbs.2017.11.001
35. Shukla, R. K., **Kumar, S.**, & Tripathi, P. (2017). *Pseudomonas aeruginosa*: Isolation, characterization and evaluation of larvicidal efficacy against *Aedes aegypti* L. *European Journal of Biomedical and Pharmaceutical Sciences*, 4(9), 660-669.
36. Das, P., Kumar, P., Kumar M., Solanki, R., & **Kapur, M. K.** (2017). Bioprospecting xylanase enzymes from diverse ecological habitats. *International Research Journal of Natural and Applied Sciences*, 4, 328-362.

37. Das, P., Kumar, P., Kumar, M., Solanki, R., & **Kapur, M. K.** (2017). Purification and molecular characterization of chitinases from soil actinomycetes. *African Journal of Microbiology Research*, 11(27), 1086-1102.
38. Gupta, R., Abraham, J. S., Sripoorna, S., **Toteja, R., Makhija, S.,** & El-Serehy, H. A. (2017). Taxonomic and morphogenetic description of the freshwater ciliate *Aponotohymena isoaustralis* n. sp. (Ciliophora; Oxytrichidae) isolated from Sanjay lake, Delhi, India. *Acta Protozoologica*, 56 (2), 93-107.
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40. **Khangembam, C. D.,** Sharma, J. G., & Chakrabarti, R. (2017). Diversity and abundance of ammonia-oxidizing bacteria and archaea in a freshwater recirculating aquaculture system. *Hayati Journal of Biosciences*, 24(4), 215-220.
41. **Khangembam, C. D.,** Singh, S. P., Sharma, J. G., & Chakrabarti, R. (2018). The study of effect of various temperatures on the abundance of ammonia oxidizing archaea and bacteria. *The Indian Journal of Animal Science* (Accepted).
42. Warren, A., Patterson, D. J., Dunthorn, M., Clamp, J. C., Achilles-Day, U. E. M., Aesch, E., Al-Farraj, S. A., Al-Quraishy, S., Fan, Y., Gao, F., Gao, S., Gong, J., Gupta, R., Hu, X., Kamra, K., Langlois, J., Lin, X., Lipscomb, D., Lobban, C. S., Luporini, P., Lynn, D. H., Ma, H., Macek, M., Mackenzie-Dodds, J., **Makhija, S.,** Mansergh, I., Martín-Cereceda, M., McMiller, M., Montagnes, D., Nikolaeva, S., Ong'ondo, G. O., Pérez-Uz, B., Purushothaman, J., Shi, P., Song, W., Stoeck, T., Terza, A. L., Vallesi, A., Wang, M., Weisse, T., Wiackowski, K., Wu, L., Xu, K., Yi, Z., Zufall, R., & Agatha, S. (2017). Beyond the "Code": a guide to the description and documentation of biodiversity in ciliated protists (Alveolata, Ciliophora). *Journal of eukaryotic Microbiology*, 64(4), 539-554.
43. Abraham, J. S., Sripoorna, S., Choudhary, A., **Toteja, R., Gupta, R., Makhija, S.,** & Warren, A. (2017). Assessment of heavy metal toxicity in four species of freshwater ciliates (Spirotrichea; Ciliophora) from Delhi, India. *Current Science*, 113 (11), 2141-2150.

44. **Toteja, R., Makhija, S.,** Sripoorna, S., Abraham, J. S. & Gupta, R. (2017). Influence of copper and cadmium toxicity on the activity of an antioxidant enzyme, superoxide dismutase in freshwater ciliates. *Indian Journal of Experimental Biology*, 55, 694-701.
45. Sripoorna, S., Abraham, J. S., Maurya, S., **Makhija, S.,** Gupta, R., & **Toteja, R.** (2018). Cellular and molecular basis of heavy metal induced stress in ciliates: A review. *Current Science* (Accepted).

Papers Published in Conference Proceedings

1. Drashya, Lal, S., & **Hooda, S.** (2017). *Magnetic graphene oxide for adsorption of organic dyes from aqueous solution*, A-4032. 2nd International Conference on Condensed matter and applied physics, Department of Physics, Govt. Engineering College, Bikaner, Rajasthan.
2. Gambhir, G., Tondan, R., & **Hooda, S.** (2017). *Remediation of heavy metal ion toxicity from waste water using functionalized chitin*. International conference of the Public Health Foundation of India and Pacific Basin Consortium, India Habitat Centre, New Delhi, India.
3. Lal, S., **Hooda, S., Kumar, V.,** & Drashya. (2018). *Fast and selective detection of Cu²⁺ and Fe³⁺ ions by 4-substituted 2-Aminothiazole in aqueous medium*. International Conference on Emerging Trends in Drugs Development and Natural Products, Department of Chemistry, University of Delhi, Delhi, India.
4. Lal, S., Kumar, K., & **Hooda, S.** (2017). *Synthesis, Characterization and Fluorescence Study of 4- Substituted 2- Aminothiazole Derived from Dimedone (5,5'- Dimethylcyclohexane-1,3-Dione*. National Conference on Latest Advancements in Physical Sciences and Life Sciences, Meerut College, Meerut, India.
5. **Kaur, S.,** Saxena, R., & Bhatnagar, V. (2017). *Leveraging Hierarchy and Community Structure for Determining Influencers in Networks*. International Conference Big Data Analytics and Knowledge Discovery, Lyon, France.
6. Dagar, V. S., & **Kumar, S.** (2017). Evaluation of emamectin benzoate as a potential larvicide and antifeedant agent against cotton bollworm *Helicoverpa armigera* (Lepidoptera: Noctuidae). "Biochemistry and Molecular Biology: From Niche to Nation"; 44th Philippine Society for

- Biochemistry and Molecular Biology Annual Convention, Tagaytay City, Philippines.
7. **Kumar, S., & Singh, S.** (2017). OER adoption in India. *Open Ed 2017 -The 14th Annual Open Education Conference*, Anaheim, California, USA.
 8. **Kumar, S., & Singh, S.** (2017). A study on awareness of OER' among content creators. *OE Global Conference*, Cape Town, South Africa. (<http://conference.oeconsortium.org/2017/presentation/a-study-on-awareness-of-oer-among-content-creators/>)
 9. **Kumar, S., Gupta, C. K., & Singh, S.** (2017). OER adoption by University of Delhi, India: student's readiness and acceptance. *OE Global Conference*, Cape Town, South Africa. (<http://conference.oeconsortium.org/2017/presentation/oer-adoption-by-university-of-delhi-india-students-readiness-and-acceptance/>)
 10. Panmei, K., & **Kumar, S.** (2017). Investigations on the impact of five essential oils on the oviposition and hatchability of eggs of female adults of dengue vector, *Aedes aegypti* L. *Biochemistry and Molecular Biology: From Niche to Nation*. 44th Philippine Society for Biochemistry and Molecular Biology Annual Convention, Tagaytay City, Philippines.
 11. Samal, R. R., & Kumar, S. (2017). Impact of acetamiprid on the survival, morphology and development of *Aedes aegypti* L. (Diptera: Culicidae). *Biochemistry and Molecular Biology: from Niche to Nation*. 44th Philippine Society for Biochemistry and Molecular Biology Annual Convention, Tagaytay City, Philippines.
 12. Sharma, A., **Kumar, S.**, & Tripathi, P. (2017). Characterization and comparative bio-efficacy assessment of silver nanocomposites synthesized from leaf and stem extracts of *Achyranthes aspera* against early fourth instars of dengue vector, *Aedes aegypti* L. (Diptera: Culicidae). *Biochemistry and Molecular Biology: From Niche to Nation*. 44th Philippine Society for Biochemistry and Molecular Biology Annual Convention, Tagaytay City, Philippines.
 13. **Kapur, M. K.**, Das, P., Kumar, P., Kumar, M., & Solanki, R. (2017). Screening and molecular characterization of extracellular chitinase from *Streptomyces* sp. International Conference on Recent Trends in Biotechnology and

Biodiversity Conservation for Sustainable Development, Le Meridien Jalan Tun Fuad Stephens Sinsuran, Kota Kinabalu, Malaysia.

14. **Kapur, M. K.,** Kumar, M., Das, P., Kumar, P., & Solanki, R. (2017). *Taxonomic study of extracellular enzyme producing actinomycetes from varied ecological habitats*. INSCR International Conference, held at Conference Centre, University of Delhi, Delhi, India.
15. **Kapur, M. K.,** Kumar, P., Das, P., Kumar, M., & Solanki, R. (2017). *Phylogenetic characterization of antibiotic producing actinomycete strains from diverse ecological habitats*. INSCR International Conference, held at Conference Centre, University of Delhi, Delhi, India.

Presentations in Conferences by Faculty

International

1. Yan, Q., Jiang, L., Yi, W., Liu, Q., **Dhawan, G.,** & Zhang, W. (2017). *Novel synthetic strategy for metal-free di-/tri-fluoromethylthiolation and per-fluoroalkylthiolation reactions*. International Symposia on Fluorous Technologies (iSOFT Boston 2017), University, Boston, USA.
2. **Chowdhuri, A., Gupta, C. K., Raj, V. B.,** & Singh, V. K. (2017). *Measuring ambient air pollution using data envelope analysis with principal components: an exposure – response assessment*. 3rd International Conference on Environmental Science and Technology (ICOEST - 2017), Budapest, Hungary.
3. **Gupta, C. K., Raj, V. B.,** & **Chowdhuri, A.** (2017). *Preliminary assessment of simultaneous emission of PM_{0.5}, PM_{2.5} and CO from incense and mosquito repellents contributing to non-discernible pollution within Asian households*. 3rd International Conference on Environmental Science and Technology (ICOEST - 2017) Budapest, Hungary.
4. **Garg, M. K.** (2017). *A study of transformation from rejection to resistance in bama's karukku nad sangati*. International Conference on Why Ecocriticism? Department of English, Sikkim Government College, Tadong, East Sikkim.
5. **Garg, M. K.** (2018). *Subjugation of dalit women in baby kamble's the prisons we broke*. 4th JGU International Literary Conference. O P Jindal Global University, Sonapat, Haryana.

6. **Garg, M. K.** (2018). *Gender discrimination towards Mahar women in Maharashtra*. One day International Seminar on Gender Sensitization, Equality and Women Empowerment: Continuity & Change. Kirori Mal College, University of Delhi, New Delhi.
7. **Rakshit, J. D.** (2017). *Discovering a different India: in selected narratives by british women travellers*. International conference on Why Ecocriticism? Department of English, Sikkim Government College, Tadong, Sikkim.
8. **Bhatia, M.** (2016). *Skill Development challenges: ideating the role of community colleges*. Going Global Conference, Cape Town, South Africa.
9. **Bhatia, M.** (2016). *Open Education in the Indian Context: New approaches and challenges*. 13th International Open Education Conference, Richmond, U.S.
10. Abraham, J. S., Sripoorna, S., Gupta, R., **Toteja, R.**, El- Serehy, H. A., & **Makhija, S.** (2017). *Morphology and molecular taxonomy of ciliates from freshwater bodies in Delhi, India*. 15th International Congress of Protistology, Prague, Czech Republic.
11. Sripoorna, S., Abraham, J. S., **Toteja, R.**, Gupta, R., & **Makhija, S.** (2017). *Cellular and molecular mechanisms to assess heavy metal toxicity in the freshwater ciliate, Euplotes aediculatus from Delhi, India*. 15th International Congress of Protistology, Prague, Czech Republic.
12. **Toteja, R.**, Abraham J. S., Sripoorna, S., Jangra, S., Yadav, K., Singh, S., Zutshi, S., Singh, B., Dagar, J., Kumar, A., Goyal, A., Bhatnagar, M., Upadhaya, M., Choudhary, A., Singh, D. K., Gupta, R., **Gambhir G.**, & **Makhija S.** (2017). *Soil ciliate (Protozoa; Ciliophora) diversity in and around Delhi, India and its ecological implications*. 15th International Congress of Protistology, Prague, Czech Republic.

National

1. Arora, R., Sinha, A., & **Bajpai, U.** (2018). *Functional characterization of molecular motors (terminase enzyme) purified from a mycobacteriophage (PDRPxv)*. Frontiers in Biomedical Sciences (FBR-2018): Challenges in: Human Health- Prevention, Diagnosis and Cure, University Conference Centre. University of Delhi, Delhi, India.



2. Sinha, A., Kandasamy, E., & **Bajpai, U.** (2017). *In silico characterization of endolysins purified from a mycobacteriophage isolated from New Delhi and investigation of their bacteriolytic activity.* International Conference on Bacteriophages in River Ganga, Institute of Medical Science, BHU, Varanasi, India.
3. Agrawal, N., Khanna, M., Chandra, R., & **Dhawan, G.** (2018). *UPR and autophagy crosstalk: Potential antiviral strategy against chikungunya virus.* 11th Symposium on Frontiers in Biomedical Research (FBR-2018)-Challenges in Human Health: Prevention, Diagnosis and Cure, Conference Centre, University of Delhi, India.
4. Singh, I., Gautam, H. K., & **Dhawan, G.** (2018). *Silver nanoparticle synthesis via green chemistry: characterization and biological evaluation.* 11th Symposium on Frontiers in Biomedical Research (FBR-2018)-Challenges in Human Health: Prevention, Diagnosis and Cure, Conference Centre, University of Delhi, India.
5. **Dhawan, G.**, & Zhang, W. (2018). *In silico investigation and structure-guided design, synthesis and screening to explore the therapeutic potential of PAD4 inhibitors.* 11th Symposium on Frontiers in Biomedical Research (FBR-2018)-Challenges in Human Health: Prevention, Diagnosis and Cure, Conference Centre, University of Delhi. Delhi, India.
6. Lal, S., **Hooda, S.**, Kumar, V., Drashya. (2018). *Fast and selective detection of Cu²⁺ and Fe³⁺ ions by 4-substituted 2-Aminothiazole in aqueous medium.* International Conference on Emerging Trends in Drugs Development and Natural Products, Department of Chemistry, University of Delhi, Delhi, India.
7. **Arya, D. K.** (2017). *Oxidation behaviour of 10H-Phenothiazines.* National Workshop on Instrumentation techniques for Research in Chemical science Kanoria PG Mahila Mahavidyalaya, Jaipur, Rajasthan, India.
8. **Arya, D. K.** (2017). *Synthesis and spectral studies of novel nitrophenothiazines.* International Conference on Frontiers at the Chemistry Allied sciences Interface, Centre of Advanced Study, Departments of Chemistry, University of Rajasthan, Jaipur.
9. **Arya, D. K.** (2018). *Women reservation in India.* One day International

- seminar on Gender sensitization equality and women empowerment: Continuity & change, Kirori Mal College, University of Delhi, Delhi, India.
10. **Uberoi, V.,** Srivastava, V., & Dubey, S. (2017). *Waste water treatment using Bioremediation Techniques*. International Conference on Advancing Green Chemistry: Building a Sustainable Tomorrow, University of Delhi. Delhi, India.
 11. Yadav, R., **Gambhir, G., Hooda, S.,** & Drashya. (2017). *Remediation of heavy metal ion toxicity from waste water using functionalized chitin*. International Conference of the Public Health Foundation of India and Pacific Basin Consortium, Environmental Health and Sustainable Development, New Delhi, India.
 12. **Khanna, P.,** Misra, N., Gaur, V., Dwivedi, R., Singh, M. K., Patwal, S., Kumar, S., Agarwal, S., Jain, P., Prakash, G., Madaan, K., Sharma, P., & Goyal, S. (2017). *Designing a Virtual Chemistry Lab for Undergraduate Students*. 3rd India International Science Festival under SYPOG-Young Scientist's Conclave, Anna University, Chennai, India.
 13. **Garg, M. K.** (2017). Portrayal of Women's Plight in Bama's Narrative - 'Sangati and Karukku'. National Conference on Literary Aesthetics and Conflict Studies. Dayal Singh College (DU), New Delhi
 14. **Rakshit, J. D.** (2017). *A Traveller in Skirts: British Women Travellers as Iconoclasts in Victorian England*'. National Young Researchers' Conference on "Victoriana", Department of English and Culture Studies, University of Burdwan, West Bengal, India.
 15. **Prasad, S. N., & Singh, N.** (2018). *Manufacturer-based supply chain inventory model with ramp type demand under inflation*. National Conference on Advances in Operations Research and Mathematical Sciences, Vardhaman College, Bijnor, U.P.
 16. **Singh, C.** (2018). *A production inventory model for deterioration items with price and time dependent demand under trade credit*. National Conference on Advances in Operations Research and Mathematical Sciences, Vardhaman College, Bijnor, U.P.
 17. **Ambedkar, G. Rao., & Yadav, B.** (2018). *Optimal inventory model for deterioration items under inflationary environment*. National Conference on

Advances in Operations Research and Mathematical Sciences, Vardhaman College, Bijnor, U.P.

18. Kumar, S., **Garg, A., & Chowdhuri, A.** (2017). *Effect of Concentration Variation in Graphene Oxide (GO) Membranes for Water Flux Optimization*. 2nd International Conference on Condensed Matter & Applied Physics (ICC 2017), Department of Physics, Govt. Engineering College, Bikaner, Rajasthan.
19. Tyagi, P., Sharma, A. **Chowdhuri, A.**, Tomar, M., & Gupta, V. (2017). *NiO-SnO₂ heterostructure thin films based low temperature SO₂ gas sensor*. 6th International Symposium on Integrated Functionalities (ISIF - 2017, Hotel Shangri-La Eros, New Delhi, INDIA.
20. Gupta, R., **Makhija, S.**, Abraham, J. S., Sripoorna, S., & Toteja, R. (2017). *Soil ecosystem – an insight into ciliate diversity from Delhi*. Indian Network for Soil Contamination Research International Conference, Department of Zoology, University of Delhi, Delhi, India.
21. Sripoorna, S., Abraham, J. A., Maurya, S., **Toteja, R., Makhija, S.**, & Gupta, R. (2017). *Use of ciliates in biomonitoring heavy metal pollution*. Indian Network for Soil Contamination Research International Conference, Department of Zoology, University of Delhi, Delhi, India.
22. Abraham, J. S., Sripoorna, S., Gupta, R., **Toteja, R.**, Maurya, S., **Gambhir, G.**, Singh, D. K., & Makhija, S. (2017). *Physico-chemical and biological analysis of soil samples collected from different sites in and around Delhi, India*. Indian Network for Soil Contamination Research International Conference, Department of Zoology, University of Delhi, Delhi, India.

ANNEXURE-II

ACHARYA NARENDRA DEV COLLEGE

Staff Council Committees 2017-2018

Fellowship Programs and Awards Committee (Conferences etc. ELITE)	Alumni Affairs Committee	I. T. Committee – Website Distribution/ Maintenance help of laptops.	Sports Committee
Dr Arijit Chowdhuri (Convenor)	Dr Subhash Kumar (Convenor)	Dr Pankaj Khanna (Convenor)	Dr Laxmi Narain (Convenor)
Dr Manisha Verma	Dr Sharanjit Kaur	Dr Preeti Marwaha	Dr Satyapal Singh (Sports-in-charge)
Dr Seema Gupta (Maths)	Dr Rachna Joshi	Dr Sunita Narang	Dr Ranjeet Kaur
Dr Preeti Agarwala	Dr Pankaj Khanna	Dr Urmi Bajpai	Dr Dinesh Arya
Dr Sarita Kumar	Ms Sunita Jetly	Dr Rashmi Sharma	Dr Meenu Mohil
Mr Yask Sain	Ms Anuradha Sarin	Dr Surinder Kaur	Dr Ranjit Singh
Dr Joita Dhar Rakshit	Mr Gaurav Sharma	Dr Chaman Singh	Mr Ravinder Sagar
Mr Gurudatt Rao Ambedkar	Dr Ravneet Kaur	Dr Sanjeeta Rani	Dr Chaman Singh
Dr V. Bhasker Raj	Dr Seema Makhija	Dr Udaibir Singh	Ms Anupama
Dr Ambika	Dr Satendra Singh	Dr Chandra Kanta Samal	Ms Sapna Yadav
Dr Asmita Gupta	Ms Keshava Pratap Singh	Ms Shiva Saini	Dr Neeti Goel
Ms Yogeeta Garg	Mr Brijendra Yadav	Dr V. Bhasker Raj	Mr Narayan Singh
Dr Neelakshi N. K. Borah	Dr Aparna Sharma	Dr Kavita Singhal	Ms Meenu



	Mr Sanjay Kumar	Dr Monika Bhattacharya	Dr Ranjit Kumar Dr Rahul Dev Mr Vineet Girdharwal
Examination Committee	Placement	College Development Committee	Library Committee
Dr Sunita Hooda (Convenor)	Dr Harita Ahuja (Convenor)	Dr Udaibir Singh (Convenor)	Dr Sarita Kumar (Convenor)
Dr Manisha Verma	Mr Narayan Singh	Dr Harita Mehta	Bursar
Ms Anuradha Sarin	Dr Rohtash Singh	Dr Pooja Bhagat	TICs or
Dr Anita Narang	Dr Vikram Sen	Dr Anita Thakur	Representative
Dr Laxmi Narain		Mr Gurjinder Singh	from each
Dr Geetu Gambhir		Mr Dinesh Kumar	Department
Mr Ravinder Sagar			
Academic Events Management Committee – Orientation Day, Annual Day and AND Memorial Lecture	Proctorial Committee	Canteen Committee	Cultural Events Management Committee (Fest, Freshers/ Farewell, Sending teams for cultural events)
Ms Sangeeta Relan	Dr Chaman Singh (Proctor)	Dr Rajesh Chaudhary (Convenor)	Dr Subhash Kumar
Dr Charu K Gupta	Dr M S Rajeswari	Mr Vishal Dhingra	Dr Neelu Dheer
Dr Poonam A Kant	Dr Sandeep Goel	Dr Shalu Dhanda	Dr Shalu Sachdeva
Dr Anupama Shukla	Dr Chandra Kanta Samal	Dr Seema Gupta	Dr Ranjit Singh
Dr Neelu Dheer	Dr Rajesh Chaudhary	Ms Anu Perveen	Dr Mamta Bhatia
Dr Shallu Sachdeva	Mr Vishal Dhingra	Dr Seema Gupta (Maths)	Dr Vatsla Kohli
Dr Shalu Mahajan	Dr Dinesh Arya	Dr Charu K Gupta	Dr Neelakshi N. K. Borah

Dr Ravneet Kaur	Dr Charu K Gupta	Dr Shalu Mahajan	Dr Surinder Kaur
Dr Rakesh Roshan	Dr Sanjeeta Rani	Mr Jitendra Goel	Ms Sunita Jetly
Dr Yash Mangla	Mr Pawan Kumar	Mr Narayan Singh	Mr Gaurav Sharma
Dr Anita Thakur	Dr Vatsla Kohli	Mr Brijendra Yadav	Ms Poonam Chauhan
Mr Yask Sain	Dr Rakesh Roshan	Mr Gurudatt Rao Ambedkar	Dr Pragati Malik
Ms Sapna Yadav	Mr Jitendra Goel	Mr Dev Om	Mr Ankit Singh
Ms Priyanka Sharma	Mr Gurjinder Singh	Dr Ambika	Dr Neeti Goel
Mr Gurudatt Rao Ambedkar	Ms Gauri Ghai	Dr Asmita Gupta	Ms Meenu
Mr Dev Om	Dr Aparna Sharma	Dr Bharat Lal Meena	Mr Parminder Singh
Mr Parminder Singh	Mr Dinesh Kumar	Ms Yogeeta Garg	Dr Rohtash Singh
Dr Neelgagan Singh	Mr Narayan Singh		Dr Rahul Dev
Dr Sumit Sahni	Dr Namita Singh		Dr Neelgagan Singh
Dr Anjali Saxena	Mr Vineet Girdharwal		Mr Sanjay Kumar
			Dr Vineet Kumar Singh
			Dr Bharat Lal Meena
			Dr Khangembam Cherita Devi

Theatre Society	Social Outreach Programs Committee (NSS)	Admissions Committee	Women Students' Affairs Committee-Sashakt
Dr Geetu Gambhir (Convenor)	Dr Geetika Kalra (Convenor)	Convenors	Dr Manisha Jain (Convenor)
Dr Sandeep Kumar Goel (Co-Convenor)	Dr Anita Narang	Ms Sunita Jetly (Biomedical Science)	Dr Rashmi Sharma
Ms Poonam Chauhan	Dr Manisha Jain	Dr Sharanjit Kaur (Computer Science)	Dr Sanjeeta Rani
Ms Sunita Jetly	Dr Manoj Kumar Singh	Ms Rupali Pabreja (Commerce)	Ms Anu Perveen
Ms Nishu Singh	Dr Yash Mangla	All Teachers-in-Charges	Ms Rupali Pabreja
Mr Dinesh Kumar	Dr Sumit Sahni		Dr Preeti Marwaha
Dr Ranjit Kumar	Ms Keshava Pratap Singh		Dr Pragati Malik
Dr Namita Singh	Ms Gauri Ghai		Mr Ankit Singh
Dr Monika Bhattacharya	Ms Anita Kumari		Ms Priyanka Sharma
	Dr Vineet Kumar Singh		Ms Anita Kumari
	Ms Hanisha Bhagat		Dr Vikram Sen
			Dr Kavita Singhal
			Mr Leivon George

Committee for coordination with the Equal Opportunity Cell, University of Delhi	Editorial – Magazine + Annual Report	Environment Society	Garden Committee
Mr Manoj Garg (Convenor)	Dr Seema Makhija (Convenor)	Dr Seema Gupta (Convenor)	Dr Rashmi Sharma (Convenor)
Dr Sarita Agarwal	Dr Manisha Verma	Dr Rachna Joshi	Dr Manisha Jain
Dr Preeti Agarwal	Dr Abhishek Kumar Mehta	Dr Shalu Dhanda	Dr Mamta Bhatia
Dr Vikrant Kumar	Dr Satendra Singh	Dr Vatsla Kohli	Dr Rashmi Thukral
Ms Rupali Pabreja	Dr Rakesh Roshan	Dr Sunita Narang	Dr Manoj Kumar Singh
Ms Gunjan Rani	Ms Gunjan Rani	Ms Anupama	Dr Sumit Sahni
Ms Hanisha Bhagat	Dr Joita Dhar Rakshit	Dr Abhishek Kumar Mehta	Ms Shiva Saini
	Dr Sweety Shrimali	Ms Nishu Singh	
	Dr Anjali Saxena	Dr Sweety Shrimali	
	Dr Khangembam Cherita Devi	Mr Leivon George	
	Editorial – Prospectus		
	Convenor : Dr Subhash Kumar		
Workload and TimeTable Committee	SPICMACAY	Foreign Language	Remedial Coaching
Dr Neeti Misra (Convenor)	Dr Subhash Kumar (Convenor)	Dr Geetu Gambhir (Convenor)	Dr Meenu Mohil (Convenor)
Mr Vishal Dhingra (Co-Convenor)		Dr Geetika Kalra	Dr Neeti Misra
		Dr Sarita Aggarwal	Dr Pankaj Khanna
		Dr Sunita Hooda	

Other Committees

Internal Assessment Monitoring Committee	Attendance Committee	Provident Fund Committee	SAKSHAM Committee
Principal Secretary, Staff Council – Dr Roopesh Tehri Vice-Principal/ Bursar – Dr Ravi Toteja /Dr Amit Garg Teacher's Representatives Dr Shalu Dhanda Dr Sharanjit Kaur	Dr Shalu Dhanda	Principal	Convenor, Social Outreach Program
	Dr Sharanjit Kaur	Bursar	Convenor, NSS Program
		Teacher Representative: Ms Sadhna Gupta	Convenor, Awards and Fellowship Program
		Non Teaching Representative: Mr. Ravinder Pande	Convenor, Proctorial Committee
			Bursar