



2023-24



DBT Star Status College
Accredited 'A+' Grade by NAAC

ANNUAL REPORT

ACHARYA NARENDRA DEV COLLEGE
UNIVERSITY OF DELHI

Annual Report 2023-24

Acharya Narendra Dev College
University of Delhi

Disclaimer:

The committee has compiled this annual report based on the information it has received. In the event that any relevant information was inadvertently omitted, it will be included in the annual report for the 2024-2025 period.

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Acharya Narendra Dev College

INTRODUCTION



1. Introduction

Acharya Narendra Dev College (ANDC), a leading institution under the University of Delhi, exemplifies academic rigor, fostering a dynamic environment focused on learning, growth, and research excellence. Recognized for its robust educational foundation, ANDC ranked as the 18th best science college in India by the Ministry of Education's National Institutional Ranking Framework (NIRF) and holds the 9th position among University of Delhi colleges. The college is accredited with an A+ grade by the National Assessment and Accreditation Council (NAAC), underscoring its commitment to quality in higher education.

Since achieving STAR STATUS in 2021, ANDC has leveraged this initiative to establish various specialized Skill Centres. These include the Sericulture Skill Development Centre, Mushroom Research and Skill Development Centre, Molecular Biology and Biotechnology Skill Centre, Zebra Fish Breeding and Research Skill Centre, Forensics Skill Centre, Agri-based Skill Centre, IT Tools and Innovation Skill Centre, Language Empowerment Skill Centre, Finbiz Skill Centre, Emerging Technologies Skill Centre, and Virtual Labs. These centres provide targeted training to equip students with industry-relevant skills.

ANDC has further enhanced its practical training infrastructure by setting up advanced laboratories that focus on Skill Enhancement, PCB design and fabrication, Artificial Intelligence and Machine Learning, Cloud Computing, 3D Design and Printing, Augmented and Virtual Reality, MERN Stack Web Development, Mobile App Development, Drone Technology, Robotics, and the Internet of Things (IoT). These facilities support India's drive towards becoming a developed nation by creating a workforce skilled in emerging technologies.

To expand skill development and vocational training opportunities, ANDC established the Acharya Narendra Dev *Kaushal Kendra* as part of *Pradhan Mantri Kaushal Vikas Yojana 3.0* (PMKVY 3.0) in collaboration with the National Skill Development Corporation (NSDC). This centre offers training aimed at school dropouts and non-enrolled youth. Recently, it hosted workshops on research methodologies, ChemDraw software, SciFinder, and biological science techniques, benefiting 57 undergraduate students with 77 hours of hands-on training aligned with Value Addition Courses. These workshops encourage students to explore research careers, with Prime Minister Research Fellows (PMRF) from IIT Delhi.

In a digital initiative, ANDC launched the Virtual Lab (V-Lab@ANDC), making it the first Delhi University college to offer remote lab access for undergraduate science students. The V-Lab follows a four-quadrant e-content model aligned with the National Education Policy (NEP) 2020 and provides resources in Biological Sciences, Chemical Sciences, Electronics, and Physical Sciences across seven departments. Currently, 18 virtual labs are available online.

Our students have brought accolades to the college as well. Two students earned merit positions at Delhi University (DU), while five others hold top positions in UDSC. Twenty-four students received the Meritorious Student Award from DU, and over 200 students have been awarded *SAKSHAM* fellowships by the college. Students are also actively engaged in co-curricular activities, with several receiving prizes in poster presentations, dramatics, and sports.

Research is at the heart of ANDC's academic ethos, with the college fostering a rich environment for faculty and student research. Ongoing projects funded by external agencies amount to approximately Rs 1.62 crore. This year, four students completed Ph.D. program, one earned an M.Phil., and four others submitted theses. The college also hosts 43 Ph.D. students, one postdoctoral fellow, and 17 externally-trained students. ANDC faculty have produced 165 publications in prestigious journals, alongside books and conference presentations, leading to six faculty promotions to professorships.

The college's E-Lab Recruitment Drive for 2023-24 attracted enthusiastic, capable students keen to explore entrepreneurship.

and innovation, with 97 applicants and 23 selected for their skills in creativity, teamwork, and innovation. E-Lab's recent Pitch Fest 2023, in collaboration with the ANDCI nstart Foundation, allowed emerging entrepreneurs to refine their business ideas and connect with essential resources.

ANDC also hosts a unique business incubator as the only science college within University of Delhi with such a facility, funded by DTTE, GNCTD. The ANDC InStart Foundation (AIF), founded in 2017, supports 18 incubatees and 9 pre-incubatees in diverse fields like EdTech, Biotechnology, Gaming, and Retail. AIF's dedicated mentorship and resources have enabled nine incubatee companies to achieve significant valuations, generate revenues, and create over 200 jobs. AIF recently held an Investor Pitch Event with over 200 startups, showcasing 15 companies before 10 prominent investors. Through an international MOU, AIF will establish two Centre of Excellence, broadening its support for innovation. Supporting student entrepreneurship, AIF nurtures startups like BookWithUVA and ऋ-fect Outfit. BookWithUVA, led by students Mr. Uttam and Mr. Abhishekh, provides affordable academic resources to college students and has reached over 10,000 customers with a 2023-24 turnover of INR 7 lakhs. Similarly, ऋ-fect Outfit, founded by Mr. Mohammed Kaif, offers fashionable college apparel, achieving an annual turnover of INR 4 lakhs and expanding its customer base beyond ANDC.

ANDC also instituted the निष्ठा ANDC Service Award in 2017-18 to honour long-serving staff. This year, Dr Anupama Shukla from the Department of Botany received the award, reflecting ANDC's appreciation for dedicated service.

The faculty members have chaired and co-chaired sessions at national and international conferences and have also been invited as speakers. Many faculty members are recipients of various awards. Prof. Sunita Hooda is a proud recipient of Best Teacher of the Year 2023 award and Teachers' Excellence award. Prof. Geetu Gambhir has also been awarded with Teachers' excellence award. Prof. Mamta Bhatia is a visiting scholar to Physics Department, Purdue University, USA.

This year's achievements also include faculty promotions and an increase in registered University of Delhi supervisors which again



highlights ANDC's academic commitment. The College has organized workshops and international conferences, including the 8th INSCR and the 4th ISCB conferences, showcasing its role in global scientific discourse.

ANDC's Career Counselling and Placement Cell actively supports students' professional growth, with pre-placement drives from companies like Schneider Electric, Accenture, Wipro, and Infosys. Additionally, ANDC has signed MoUs with institutions such as the National Institute of Immunology, IIT-Delhi, and PhiXgen Pvt. Ltd. for industrial collaborations.

In conclusion, Acharya Narendra Dev College remains a distinguished Delhi University institution, committed to academic rigor, research excellence, and comprehensive student support. Through strategic partnerships, rigorous academics, and forward-thinking initiatives, ANDC is shaping the future of its students and contributing to India's educational landscape.

RESEARCH AND ENTREPRENEURSHIP



2. Research and Entrepreneurship

2.1 RESEARCH

2.1.1 Research Initiatives at the UG Level: Interdisciplinary Projects under DBT STAR College Scheme / ELITE (Education in a Lively, Innovative Training Environment Summer Fellowship)

The Star College Scheme was introduced by DBT to improve teaching learning methods in the science colleges and to encourage students to pursue higher education in science. Acharya Narendra Dev College being part of the DBT Star College scheme since 2017 conducts several Interdisciplinary Projects and provide research exposure to students at UG level. ELITE is a research fellowship scheme initiated by college in 2012 to motivate students to take up summer projects under the mentorship of faculty during vacations. Under this scheme, a stipend of Rs. 1,000/- per month is offered to every student who enrolls for the program. For detailed information on the projects carried out by the UG students under the mentorship of the faculty of college in the year 2023-2024, please see section 6.2.7.

2.1.2 Research Projects (Extramural)

ANDC faculty has bagged many research projects from external funding agencies which also supplement the funds available for infrastructural development of the college. Following are the ongoing research projects which are funded by external funding agencies:

S. No.	Investigator	Title of Project	Funding Agency	Grant (in Lakhs)
1	Dr Sunita Jetly (Co-PI) (Biomedical Science)	Medical awareness, capability, patient empowerment and partnership for managing cancer through e-learning demonstrations and public awareness events	NCST, Department of Science and Technology	19.6
2	Prof. Arijit Chowdhuri (Co-PI) (Physics)	Fabrication of packaged high frequency SAW devices of given specification [1115/TS/SPL/CARS-98/2022]	Defense Research & Development Organization (DRDO)	36.29
3		Development of thermo electric energy harvester using Indium Selenide thin films [CRG/2022/005474]	Department of Science and Technology (DST)	32.00
4		Embedding Ferroelectric Hafnium-Zirconium Oxide (HZO) in gate stack of GaN based junction less transistor [SERB/F/14517-2023 – 2024]	Department of Science and Technology (DST) 16 March 2024 – 15 February 2027	31.93
5	Prof. Seema Makhija Prof. Ravi Toteja (Zoology)	DNA Barcoding for ciliate species identification of Delhi, India	SERB, Department of Science and Technology	41.9
6	Prof. Seema Makhija Prof. Ravi Toteja (Zoology)	Evaluation of digested sludge from Sewage Treatment Plant (STP) as fertilizer and safe usage in crop production and land reclamation	PRAYAAS (Promotion of Research Attitude in Young and Aspiring students 2023 – 2024)	0.50

2.1.3 Research Supervision

2.1.3.1 Post-Doctoral Fellows under the Supervision of College Faculty

S.No.	Post-Doctoral Fellow	Supervisor (Department)	Area of Work	Registration (Month, Year)
1	Dr Monika Mishra (CSIR-SRA)	Prof. Sarita Kumar (Zoology)	Physiological, biochemical and molecular response of <i>igeraHübner</i> to synergistic combinations of triflumuron and β -sitosterol	January, 2021

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

S.No.	Ph.D. Student	Supervisor/ Co-Supervisor (Department)	Area of Work	Registration (month, year)
1	Ms Ritu Arora UGC-SRF	Prof. Urmi Bajpai (Biomedical Science)	Mycobacteriophage-encoded endolysins	November, 2017
2	Mr Jiyauddin		Metabolic Reprogramming of Cancer Cells in relation to p53	November, 2019
3	Ms Kanika Nadar		Mycobacteriophages and encoded endolysins	April, 2021
4	Ms Aarti Rathi		Antimycobacterial proteins	October, 2023
5	Ms Rinni Kasar	Dr Sunita Jetly (Biomedical Science)	Multiplexing for easy and affordable Detection of Myeloid Leukemia (CML&AML)	September, 2023
6	Ms Chanchal Pabreja		Epidemiology, mutational analysis and comparison with point of care for hemoglobinopathies prevalent in India	March, 2024

S.No.	Ph.D. Student	Supervisor/ Co-Supervisor (Department)	Area of Work	Registration (month, year)
7	Ms Akanksha Negi	Prof. Gagan Dhawan (Biomedical Science)	Polymeric nanoparticles: Design, synthesis and their applications in drug delivery	February, 2022
8	Mr Navin		Design synthesis of Biocompatible polymeric nanostructures and their biomedical potential	July, 2022
9	Mr Vadant Soni		Design and Characterization of polymer based gene delivery system	February, 2022
10	Mr Nitin Joshi	Prof. Charu Khosla Gupta (Botany)	Assessing the impact of Climate change on some native tree species of Delhi	March, 2022
11	Ms Yashneeti Mehta	Prof. Dinesh Kumar Arya (Chemistry)	Nanocomposites	July, 2023
12	Mr Amit Kumar Paswan	Prof. Sandeep Kumar Goel (Commerce)	Finance	January, 2023
13	Ms Gunjan Rani	Prof. Sharanjit Kaur (Computer Science)	Integrating NLP and Network Science for Enhanced ML	October, 2023
14	Ms Kirti Jain	Prof. Sharanjit Kaur (Computer Science)	Modeling Behavioral and Epidemic Dynamics in Social Contact Networks Thesis	November, 2018
15	Mr Sumit Vashista	Prof. Anju Agrawal (Electronics)	Design and Simulation of Acoustic Emission Sensor for Geohazard Surveillance	January, 2023
16	Ms Rupali Pandey	Prof. Amit Garg (Electronics)	Synthesis and Characterization of 2D Materials and their Applications	March, 2021

S.No.	Ph.D. Student	Supervisor/ Co-Supervisor (Department)	Area of Work	Registration (month, year)
17	Mr Sandeep Singhania	Prof. Amit Garg (Electronics)	Role of Functional Group in Gas Sensing of 2D Materials	January, 2022
18	Ms Preeti Bharati		Growth and Characterization of GaN based High Electron Mobility Transistors	January, 2022
19	Ms Anju		Engineered 2D Materials for Smart Biosensing	January, 2022
20	Ms Ragini		2D material based Electrochemical and Spintronic	March, 2023
21	Ms Bhawna Singh	Prof. Sada Nand Prasad (Mathematics)	Non-linear stability in the restricted three body problem with various perturbation	February, 2021
22	Mr Itender Kumar		Dynamical Systems and Chaos Theory	February, 2021
23	Ms Sonia Aneja		Dynamical Systems and Chaos Theory	January, 2022
24	Ms Preeti Yadav		Dynamical Systems, Non-Linear Dynamics	January, 2022
25	Ms Pooja Khoda		Dynamical Systems	February, 2023
26	Ms Ritu		Non-Linear Stability in Restricted 4-Body Problem	February, 2024
27	Mr Gurudatt Rao Ambedkar	Dr Chaman Singh (Mathematics)	Optimization of Inventory Models	March, 2021
28	Ms Jyoti Kohli		Optimization of Inventory Models	March, 2022
29	Ms Garima Sethi		Mathematical modeling of inventory System for Deteriorating Items with Two Warehouses using optimization techniques	October, 2020
30	Mr Brijendra Yadav		Optimization of Inventory Models	February, 2023

S.No.	Ph.D. Student	Supervisor/ Co-Supervisor (Department)	Area of Work	Registration (month, year)
31	Mr Rohit Miglani	Prof. Arijit Chowdhuri (Physics)	Functional materials for Microwave Resonator	January, 2019
32	Mr Ajay K. Sao		Development of sensing layers for detection of chemical warfare (CW) agents/stimulants	January, 2019
33	Mr Jatinder Pal Singh		Growth and characterization of some 2D materials for sensing applications	March, 2021
34	Ms Divya	Prof. Sarita Kumar (Zoology)	Identification of novel insecticide targets in mosquitoes	March, 2022
35	Mr Sanjay Kumar		Evaluation of the effects of Insect Growth Regulator on mosquito, <i>Aedes aegypti</i> L.	January, 2021
36	Mr Manu Sankar		Characterization of diflubenzuron resistance in dengue vector, <i>Aedes aegypti</i> L. (Diptera: Culicidae)	November, 2019
37	Ms Harsha	Prof. Monisha Khanna Kapur (Zoology)	Bioactive potential of <i>Streptomyces</i> spp. against diverse pathogenic fungi	March, 2022
38	Ms Swati Maurya	Prof. Ravi Toteja Prof. Seema Makhija (Zoology)	Microorganisms as Bioindicators in Diverse Environments	April, 2018
39	Mr Sandeep		Ecotoxicological studies on ciliates	January, 2021
40	Ms Jyoti Dagar		DNA Barcoding for ciliate species identification of India	February 2023

S.No.	Ph.D. Student	Supervisor/ Co-Supervisor (Department)	Area of Work	Registration (month, year)
41	Mr Hritik Kadian	Prof. Ravi Toteja (Zoology)	Assessing the Resistance, Tolerance and Bioremediation Ability of Selective Bioindicator Species (Algae, Ciliates and Macrophytes) to Different Persistent Bio-Accumulative and Toxic Substances	December, 2021
42	Mr Ajay	Prof. Seema Makhija (Zoology) (Co-Supervisor)	Use of Freshwater Macrophytes for Fish Food Formulation	February, 2023
43	Ms Bhumika	Dr Monica Misra (Zoology) (Co-supervisor)	Morphological and olecular studies on Intestina parasites of freshwater fish, Channa striata (Snakehead Murrel) from Meerut region	March, 2022

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

S.No.	Name of student	Supervisor (Department)	Thesis Title	Thesis Submission (Month, Year)
1	Ms Laishram Saya Devi	Prof. Sunita Hooda (Chemistry)	Waste Water Remediation through Adsorption using Magnetic Guar Gum -based Nanocomposites and Study of their Multifunctional Activity Against Aedes aegypti	October, 2023
2	Ms Jyoti	Prof. Sarita Kumar (Zoology)	Taxonomic Studies on Sweat Bees (Hymenoptera: Apoidea: Halictidae) of North India	June, 2024
3	Ms P. Lanbiliu		Formulation, Characterization and Bioefficacy Assessment of β -cyfluthrin Nanoemulsion against an Indian strain of Dysdercus koenigii Fabricius (Hemiptera: Pyrrhocoridae)	May, 2024

2.1.3.4 Ph.D. /M.Phil. Degree Awarded under the Supervision of College Faculty

(a) Ph.D Degree Awarded

S. No.	Name of Student	Supervisor (Department)	Thesis Title	Degree Awarded (Month, Year)
1	Dr Jyoti Kashyap	Prof. Udaibir Singh (Electronics)	Study and Analysis of Absorption Enhancement by surface Texturization of Solar Cell Structure	July, 2023
2	Dr Shiva Lamichhane	Prof. Arijit Chowdhuri (Physics)	BFO/WO ₃ bilayer structure for multifunctional device applications	February, 2024
3	Dr Kungreiliu Panmei	Prof. Sarita Kumar (Zoology)	Studies on the Effects of Lufenuron on the Growth, Development and Chitin Synthesis of <i>Aedes aegypti</i> L. (Diptera: Culicidae)	February, 2024

(b) M.Phil. Degree Awarded

S.No.	Name of student	Supervisor (Department)	Dissertation title	Degree Awarded (Month, Year)
1.	Aabida	Prof. Laxmi Narain (Mathematics)	Flow shop Scheduling Models under Unavailability Constraint	June, 2024

2.1.3.5 External Students Trained under ANDC Faculty

S.No.	Candidate	Supervisor (Department)	Project Title
1	Pooja Devi M. Sc. Botany, Indira Gandhi National Open University, India	Prof. Charu Khosla Gupta (Botany)	Estimating reactive oxygen species and APTI on native trees of Delhi.

S.No.	Candidate	Supervisor (Department)	Project Title
2	Shailly Nagar M.Sc. Microbiology Galgotia University Uttar Pradesh, India	Prof. Sunita Hooda (Chemistry)	Fabrication of bio-nanocomposite of m-cs-peg-go (magnetite cellulose polyethylene glycol graphene oxide) as an adsorbent for reactive yellow-86 dye from wastewater treatment.
3	Sachin Dubey M.Sc. Microbiology Galgotia University Uttar Pradesh, India		Removal of reactive yellow-86 dye with the help of m-ce-peg-go(magnetite cellulose polyethylene glycol graphene oxide) from wastewater.
4	Jyoti and Amisha M.Sc. Biochemistry Department of Biochemistry , Kurukshetra University Kurukshetra, India	Prof. Seema Gupta (Chemistry) Prof. Pooja Bhagat (Chemistry) Dr Satendra Singh (Biomedical Science)	Comparative activity of amylase extracted from barley Seeds with and without nanoparticles.
5	Ashima M.Sc. Biochemistry Department of Biochemistry Central University of Haryana Mahendergarh, India	Prof. Seema Gupta, (Chemistry) Dr Satendra Singh (Biomedical Science)	Assessing the antibacterial activity of a copper nanocomposite on Bacillus cereus through proteomics analysis.
6	Priyanka M.Sc. Biochemistry Department of Biochemistry Central University of Haryana Mahendergarh, India		Investigating the antibacterial potential of a nanocomposite on gram- negative bacterium Klebsiella pneumoniae through proteomics analysis.
7	Anushka Bhargava Arjun Bhargava Delhi Public School Mathura Road, Delhi, India	Prof. Anju Agrawal Dr Ravneet Kaur (Electronics)	Coding bootcamp for one month duration.
8	Raghav Aggarwal and Jaysal Manchanda Delhi Public School Sector 12, Delhi, India		Portfolio website development for two monthsduration.

S.No.	Candidate	Supervisor (Department)	Project Title
9	Ms. Sanskriti Ojha M. Sc. Zoology OPJS University Churu, Rajasthan, India	Prof. Sarita Kumar (Zoology)	Studies on the effects of insecticides on the biochemical constituents of the <i>Aedes aegypti</i> larvae.
10	Beenit Kushwaha M.Sc. Microbiology Galgotias University Uttar Pradesh, India	Prof. Monisha Khanna Kapur (Zoology)	Basic techniques of microbiology.
11	Ms Muskan Kumari B. Sc. (H) Biotechnology SEBS, G.D. Goenka University Gurugram, India	Prof. Ravi Toteja Prof. Seema Makhija (Zoology)	Analyzing universal primers (ITS, 18S) efficacy in <i>Tetmemena</i> sp. using DNA barcoding.
12	Mr Anas Malik B. Sc. (H) Biotechnology SEBS, G.D. Goenka University Gurugram, India		Assessing water quality parameters and ciliate diversity in wazirabad region of Yamuna river: a pre-najafgarh drain analysis.
13	Ms Simran Kashyap B. Sc. (H) Biotechnology SEBS, G.D. Goenka University Gurugram, India		Assessing water quality parameters and ciliate diversity in Wazirabad region of Yamuna river: a Post-Najafgarh drain analysis.
14	Ms Jessica Kashyap B. Sc. (H) Biotechnology SEBS, G.D. Goenka University Gurugram, India		Exploring symbiotic relationships: A study of <i>Paramecium</i> 's endosymbionts & basic techniques.
15	Ms Sehrish Imran M.Sc. Biochemistry Jamia Hamdard University New Delhi, India	Prof. Ravi Toteja Prof. Seema Makhija (Zoology)	Basic culturing and identification techniques for ciliates.
16	Ms Noor Afza Khan M.Sc. Biochemistry Jamia Hamdard University New Delhi, India		Basic culturing and identification techniques for ciliates.

S.No.	Candidate	Supervisor (Department)	Project Title
17	Ms Shikha Mishra M.Sc. Biotechnology, Delhi Technological University, Delhi, India	Dr Monica Misra (Zoology)	To establish breeding of zebrafish (Danio rerio) after 120 hrs post- fertilization.

2.2 Entrepreneurship Laboratory

2.2.1 E-Lab@ANDC

The E-Lab Recruitment Drive for the academic year 2023-24 was designed to identify and onboard passionate and skilled students eager to engage in entrepreneurship, innovation, and collaborative projects. Registration for the recruitment process started with view of marking the end of a highly anticipated phase during which students from diverse disciplines expressed their enthusiasm to be part of the E-Lab community.

Following the registration, a two-day interview process was conducted. The interviews were meticulously scheduled to allow each candidate ample time to showcase their capabilities and share their passion for entrepreneurship. A total of 97 students participated in the recruitment process, competing for a place within the E-Lab's dynamic ecosystem.

The interviews were structured to assess candidates on multiple fronts: creativity, problem-solving abilities, technical skills, communication, and their potential to thrive in a collaborative environment. Six distinguished panelists, each with expertise in various fields, led the sessions, providing diverse insights into each candidate's potential. Through scenario-based questions, the panelists encouraged applicants to demonstrate their critical thinking, innovative approaches, and entrepreneurial spirit.

At the end of the rigorous selection process, 23 students were successfully recruited based on their strong performance and alignment with the core values of E-Lab, including a demonstrated commitment to innovation, creativity, and teamwork. These new members are now poised to contribute meaningfully to the lab's upcoming projects. Following events were conducted by E-lab:

2.2.1.1 Orientation Session for New Members:

Once the recruitment process concluded, an orientation session was organized to induct the new members into the E-Lab family. The session included a detailed walkthrough of the responsibilities each member would undertake and the collaborative environment they would be part of.

2.2.1.2 Pitch Fest 2023: Empowering Young Innovators:

Pitch Fest 2023, organized by E-Lab in collaboration with the InStart Foundation, took place on November 8, 2023, at the Seminar Hall of ANDC. The event was designed as a comprehensive platform for budding innovators and aspiring entrepreneurs, providing a space to hone their business ideas and gain valuable resources for their entrepreneurial journey.

Three prominent guest speakers shared their expertise with the attendees:

- ◆ Sanjay Vohra, Convener of E-Lab, elaborated on the resources available through E-Lab to support startups.
- ◆ Dhruv Rana, CEO of InStart Foundation, spoke on the importance of adaptability and innovation for young entrepreneurs.
- ◆ Shubhjeet Mandal, Co-founder of Centyl Biotech, shared practical insights from his entrepreneurial journey in the biotech sector.

Throughout the event, participants engaged in pitch sessions, presenting their business ideas to a panel of experts. The panelists provided valuable feedback and advice to improve the ideas, while the mentorship sessions offered one-on-one consultations, giving personalized advice to help refine the participants' business models. PitchFest 2023 successfully showcased E-Lab's commitment to nurturing innovation and fostering a new generation of entrepreneurs. The event was an empowering experience that equipped participants with the tools, knowledge, and connections needed to turn their ideas into successful ventures.

2.2.1.3 E-Com Boost: How to Sell Online:

On February 21, 2024, E-Lab organized a seminar titled “E-Com Boost: How to Sell Online”, aimed at helping attendees master the essentials of e-commerce, particularly selling products on Amazon. This seminar also marked the pre-launch of AIFKart, an innovative platform for online sellers designed to expand their reach and grow their businesses in the e-commerce space. The seminar offered an in-depth guide on how to become a seller on Amazon, starting with the registration process, setting up seller accounts, and meeting the platform’s requirements. The seminar featured key insights from distinguished guests:

- ◆ Dhruv Rana, CEO of ANDC InStart Foundation, shared his expertise on the e-commerce landscape and strategies for success on Amazon.
- ◆ Sanjay Vohra, Convener of E-Lab, facilitated the session, offering actionable advice for attendees and engaging them in an interactive Q&A session.

The seminar received positive feedback for its practical approach, and attendees left with a clearer understanding of how to succeed in the e-commerce space.

2.2.1.4 Workshop on Marketing and Finance - Building Business Foundations:

On March 16, 2024, E-Lab hosted a highly engaging online workshop focused on Marketing and Finance, two key pillars of business success. Held virtually, the workshop was designed to provide valuable insights into marketing strategies and financial management for aspiring entrepreneurs. The session was led by Mr Akshansh Bhatt, a seasoned marketing professional with extensive experience as an ex-marketing intern at Ethereal, President of the Ramanujan Club, and former Marketing Head at Thrust. His insights helped participants gain a deeper understanding of effective marketing techniques, financial management, and strategies for driving business growth.

2.2.1.5 START UP Initiative by E-Lab:

E-Lab is committed to cultivating a vibrant startup culture and actively encouraging students to explore entrepreneurship within the college. By offering expert guidance, facilitating networking opportunities, and promoting their initiatives, E-Lab has empowered these startups to not only succeed but thrive over the course of the year. This sustained effort has had a ripple effect, inspiring an increasing number of students to view entrepreneurship not just as a career option, but as a dynamic and fulfilling path to innovation and leadership. E-Lab's ecosystem of support has transformed the entrepreneurial landscape on campus, fueling ambition and helping students bring their ideas to life. The success stories of these startups serve as a powerful testament to the impact of mentorship and hands-on learning, motivating others to pursue entrepreneurship with confidence and passion.

2.2.1.6 Book With UVA: Empowering Students with Affordable Study Materials

BookWithUVA is a student-driven startup founded by two students of B.Com (H) Mr Uttam and Mr Abhishek, with a mission to provide affordable textbooks and stationery directly to students at their colleges. As a pre-incubated startup at ANDC InStart Foundation, with a team of 30+ dedicated students, *BookWithUVA* offers 60+ products ranging from textbooks, notebooks, book rentals, book reselling, etc, and are certified by the Ministry of MSMEs. In just two years, they've expanded across Delhi University, DU SOL, and IGNOU, and has served over 10,000 customers, processed more than 25,000 orders, and achieved a turnover of INR 7 lakhs in the 2023-24 year.

2.2.1.7 T-fect Outfit: Fashion That Inspires Confidence, now across colleges and beyond

T-fect Outfit is a student-driven startup founded by Mr Mohammed Kaif, aimed at offering affordable, stylish apparel to college students. Established by members of the E- Lab of Acharya Narendra Dev College (ANDC), *T-fect Outfit* mission is to provide customized clothing solutions, like t-shirts, hoodies, and caps.

Ƨ-fect Outfit has grown rapidly and now extends its services beyond Acharya Narendra Dev College to multiple colleges and organizations, including students from prominent colleges like Hindu College, Ramanujan College, Deshbandhu College, and Lady Irwin College. In addition, we proudly serve corporate clients such as Fiction Goon Films and various NGOs, providing them with customized apparel for their teams, events, and branding needs. In just a short span of time, **Ƨ-fect Outfit has achieved an annual turnover of INR 4 lakhs, demonstrating strong growth and market acceptance.**

2.3 ANDC InStart Foundation (AIF)

Acharya Narendra Dev College proudly stands out as the only Science College, within the University of Delhi to have a Business Incubator established with funding from DTTE, GNCTD. ANDC inStart Foundation (AIF) was established as a Section 8 Company on June 19th, 2017.

Since its inception, AIF has cultivated a diverse portfolio comprising 18 incubatees and 9 pre-incubatees spanning a wide array of sectors, including EdTech, Biotechnology, Gaming, Media, Consumer Goods, Agriculture, Retail, and IT, among others. AIF is steered by seven Directors and the CEO. It has an elaborate pool of mentors for handholding of the incubatees and pre-incubatees.

AIF has provided funding to 9 incubatee companies which have collectively attained a remarkable valuation and have generated substantial revenues and have contributed to the creation of over 200 employment opportunities.

In addition to its financial support, AIF has been instrumental in fostering growth through the organization of impactful events such as Investor Pitch Events, Sensitization Sessions, Workshops, and Skill Development Programs on a regular basis to further solidify its commitment to nurturing innovation and entrepreneurship. Noteworthy among its endeavors is the organization of over 30 impactful events, including a prominent Investor Pitch Event in November 2023, which drew participation from over 200 startups from across India, where 15 shortlisted startups got the opportunity to pitch their ideas before a distinguished panel comprising

10 renowned investors. Another testament to its unwavering commitment is the provision of over 350 hours of mentorship to both its incubatees and pre-incubatees. AIF is providing paid internships to the students of ANDC. AIF has entered into an international MOU to establish two centres of excellence (COE).

2.3.1 Collaborations/Outreach with other educational institutes/ Universities:

- ◆ The CEO, AIF and Mr. Sanjay Vohra, Director, represented and introduced AIF at the expert panel discussion at Jamia Islamia on 14th Sep 2023. Through this participation AIF could network with ecosystem enablers from other incubators, Dubai based startups, several startup founders, representatives from AICTE, STPI and Startup India.

2.3.2 AIF - Building Partnerships:

- ◆ AIF reached out to 13 institutions with respect to the establishment of the AIF TSD SCII Hub. The draft MOU and the Proposal for the same have been sent to all these 13 institutions.
- ◆ AIF signed a tripartite MOU with JIMS Kalkaji on 4th Aug 2023 for the establishment of the TSD AIF SCII Hub.
- ◆ AIF signed a Tripartite MOU with Bhagini Nivedita College of Delhi University, on 29th Aug 2023 for the establishment of the TSD AIF SCII Hub.
- ◆ The CEO, AIF and Director Mr. Sanjay Vohra took two sessions separately on “Benefits of Entrepreneurship and the Role of an Incubator” and “Finding your Passion” at Bhagini Nivedita College, Delhi University, addressing a gathering of over 150 students on 29th Aug 2023.
- ◆ The CEO, AIF visited the Udhmodya Foundation’ Office on 21st Aug 2023 to explore possible collaborative Opportunities and observed the B-Pan Competition - “Case Crack” organized by Udhmodya Foundation where ANDC student Prashant Tiwari won the third prize.

- ◆ The CEO, AIF visited the Kamla Nehru College, University of Delhi, and interacted with the faculty in-charge and representatives of the incubation/e-cell, for organizing an outreach session at KNC to educate students about the “Benefits of Entrepreneurship and how AIF can help”

2.3.3 Sensitization Sessions for ANDC Students:

- ◆ CEO, AIF conducted 4 orientation and sensitization sessions for the new batch of AND College students on 16th Aug 2023, sensitizing over 450+ students regarding the “Benefits of Entrepreneurship and how AIF can help”.
- ◆ The CEO with Mr. Sanjay Vohra, Director ANDC, conducted a sensitization session for ANDC Students on 12th Sep 2023 at the Seminar Hall. Over 50 Students attended the session.
- ◆ The CEO with Mr. Sanjay Vohra, Director, conducted a sensitization session for ANDC Students on 15th Sep 2023 at the Seminar Hall. Over 40 Students attended the session.

2.3.4 Regular Mentoring Sessions for Incubatees and Pre-Incubatees:

- ◆ AIF regularly conducts Mentoring Sessions with Incubatees and Pre-Incubatees.
- ◆ The CEO, AIF mentored pre-incubatees and incubatees on various topics, and also connected pre-incubatees to external experts for resolving their specific queries regarding selling on Amazon, Digital Marketing, etc.
- ◆ The CEO, AIF conducted a Mentoring Session for 5 teams of JIMS, Kalkaji Students, who had startup ideas, on 18th Oct 2023, to clarify specific queries regarding business plan, revenue model, marketing, compliances, etc.
- ◆ The CEO conducted mentoring sessions for AIF's pre-incubatees on 06 July 2023, 20 July 2023, 22 July 2023 and 26 July 2023

2.3.5 Events and Sessions:

- ◆ AIF conducted the “Startup Success Series” Event on 13th Sep 2023 for DU Students at ANDC Seminar Hall. AIF Incubatees: Metvy’s and Elpida’s Founders shared their experiences and success stories with the attendees. The event was moderated by the CEO, AIF. Over 80 Students attended the event.
- ◆ AIF organized a sensitization session for PGDM Students at JIMS, Kalkaji in Aug 2023
- ◆ AIF organized a sensitization session for PGDM Students at JIMS, Kalkaji on 22nd Sep 2023
- ◆ AIF organized a sensitization session for BBA and B.Com Students at JIMS, Kalkaji on 22nd Sep 2023
- ◆ AIF participated in the JIMS Talks Event at JIMS Kalkaji, on 25th Sep 2023, where the Founder of Sleepy Owl shared his experiences and success stories with the attendees.

List Of Events Conducted Aif ary of AIF Events

SNo.	Event Name	Place	Date	Type
1	B-plan Competition	JIMS Kalkaji	October 04,2023	Stakeholder engagements
2	Innovation Cluster Summit (Participated)	IIT Delhi	October 11,2023	Industry/Corporate connects
3	Startup Conclave 2023 Event (Participated)	IIT Delhi	October 12,2023	Industry/Corporate connects
4	Workshop with shortlisted candidates from B-Plan Competition	JIMS Kalkaji	October 18,2023	Stakeholder engagements
5	E-Preneur’23	JIMS Kalkaji	October 06,2023	Stakeholder engagements

SNo.	Event Name	Place	Date	Type
6	Fork it Hackathon (Judged)	IIIT Delhi	October 18,2023	Other events
7	People's Festival of Innovation (Participated)	India International Centre Delhi	October 28,2023	Other events
8	Benefits of Entrepreneurship and Role of Incubator	Kamla Nehru College, Delhi University	October 30,2023	Stakeholder engagements
9	Business Modelling and Feasibility Study	JIMS Kalkaji	December 22,2023	Stakeholder engagements
10	Ecom Boost – AIF Kart	ANDC Seminar Hall	February 21, 2024	Stakeholder engagements
11	Incubator's Connect 2.0 – Innovation and nationalisation, organised by DWIH (German and Indian incubators) (One of the only 5 incubators invited from Delhi NCR)	Hyatt Regency	February 27, 2024	Stakeholder engagements
12	The B-Plan	JIMS Kalkaji	March 18,2024	Stakeholder engagements
13	Innovations Summit'24	JIMS Kalkaji	March 19,2024	Stakeholder engagements
14	International Conference of Indian Network for Soil Contamination Research	Conference Hall, Delhi University	April 3,2024 to April 5,2024	Stakeholder engagements

1. **B-Plan Competition:** AIF hosted a business plan competition at JIMS, Kalkaji on 4th October 2023 to foster entrepreneurial ideas among students and offer pre-incubation at AIF to the selected ones.

2. **Innovation Cluster Summit:** AIF participated in the “Innovation Cluster Summit” on 11th Oct 2023, organized by SIDBI at IIT-D. At the event AIF could network with various important startup ecosystem enablers, such as investors, heads of other incubators from India and abroad, startups and aspiring entrepreneurs. Pertinently, AIF’s incubatee Metvy got an opportunity to put up a stall at the event, through which Metvy was able to showcase its products and offerings to the attending investors, ecosystem enablers and more importantly senior representatives from educational institutes, who could be future partners for Metvy’s online courses.
3. **Startup Conclave 2023:** AIF participated in the “Startup Conclave Event” on 12th Oct 2023, organized by Education Dept. Gujarat Govt. at IITD. At the event AIF could network with various important startup ecosystem enablers, such as investors, heads of other incubators from India and abroad, startups and aspiring entrepreneurs.
4. **Workshop with Shortlisted Candidates:** A workshop was conducted with candidates shortlisted from the B-Plan Competition at JIMS Kalkaji on 18th October 2023, to take their ideas from idea to MVP.
5. **E-Preneur’23:** AIF organised a Major Investor Pitch Event on 6th November 2023 which saw participation from over 200 startups, where 15 shortlisted startups pitched before a panel of 10 renowned investors.
6. **Fork its Hackathon:** CEO, AIF judged the Fork it Hackathon at IIIT Delhi on 18th November 2023, marking AIFs involvement in technological and innovation-focused events.
7. **People’s Festival of Innovation:** CEO, AIF was invited to participate in this event on 28th November 2023 at India International Centre, Delhi.

8. **Benefits of Entrepreneurship and Role of Incubators:** AIF conducted a seminar at Kamla Nehru College, Delhi University, on 30th November 2023, emphasizing the significance of entrepreneurship and how incubators can help startups.
9. **Business Modelling and Feasibility Study:** Held at JIMS Kalkaji on 22nd December 2023, this event focused on equipping participants with skills in business modelling and assessing the feasibility of entrepreneurial ventures.
10. **Ecom Boost – AIF Kart:** On 21st February 2024, AIF held this event at ANDC Seminar Hall to educate students about how to sell on e-commerce platforms and introduced the AFIKART, which is an online platform to educate students of Acharya Narendra Dev College about the process of selling online. Through AIFkart, students have the opportunity to list, market, package, brand, and sell products online, providing them with practical experience in various aspects of e-commerce, including product listing, marketing strategies, packaging, branding, sales, and delivery.
11. **Incubator's Connect 2.0:** AIF was amongst the only 5 incubators in Delhi NCR to be invited to this international event on 27th February 2024, organized by DWIH at Hyatt Regency, where German and Indian incubators connected to foster innovation and internationalization.
12. **The B-Plan:** AIF will host another business plan event at JIMS Kalkaji on 18th March 2024, continuing its engagement with stakeholders and the entrepreneurial community.
13. **Innovations Summit 2024:** AIF was a partner in the the Innovations Summit, held on 19th March 2024 at JIMS Kalkaji, that focused on fostering stakeholder engagements for innovation and startup growth.



14. **International Conference of Indian Network for Soil Contamination Research:** ANDC, the Host Institution in collaboration with INSCR organised the 8th International Conference Indian Network for Soil Contamination Research (INSCR) at Conference Centre, Delhi University from 2nd -5th April 2024. Over 250+ researchers, scientists and academicians participated. AIF's startups including or Biotech startups also exhibited their offerings.

2.3.6 AIF offering internships:

Keeping in line with the NEP, AIF is offering following internships to ANDC students

- i. Two students interning at AIF @ INR 3,000 per month
- ii. Two students interning with AIF Incubated Companies
- iii. One Student working part time with AIF Incubated Company

COLLABORATIONS WITH NATIONAL AND INTERNATIONAL ORGANIZATIONS



3. Collaborations with National and International Organizations

3.1 MOU WITH AUBURN UNIVERSITY, MONTGOMERY, ALABAMA, USA (INTERNATIONAL)

Coordinator: Prof. Ravi Toteja

Acharya Narendra Dev College, University of Delhi, India and Prof. Ravi Toteja Auburn University of Montgomery, Alabama, USA, have created a cooperative alliance. The programme would encourage international credit transfer and progression arrangements, academic articulation agreements for various programmes, the exchange of research and academic materials of mutual interest, to collaborate and foster research activities and projects, exchange of teaching expertise, development of e-learning training, and application of distance learning.

3.2 MOU WITH INTERNATIONAL BACTERIOPHAGE RESEARCH CONSORTIUM (INTERNATIONAL)

Convenor: Prof. Urmi Bajpai

MoU between Acharya Narendra Dev College, University of Delhi and Open Health System Laboratory (OHSL), a social benefit corporation established under the laws of the state of California in the United States of America covers collaboration to establish an International Bacteriophage Research Consortium (IBRC) and pursue further research. Working together ANDC-DU and OHSL will be developing funding proposals to support and equip research and research facilities at the drug discovery laboratory of the Department of Biomedical Sciences and complementary facilities at the International Research Center of Open Health System Laboratory which will be established in Jhajjar, Haryana. ANDC-DU and OHSL have already created a web portal for IBRC with the url: <https://ohsl.us/bacteriophage/international-bacteriophage-research-consortium>

Under this, online Workshop entitled “Genome Analysis of Bacteriophage for Clinical Applications” has been organized by Mahatma Gandhi

University, Kottayam, in association with International Bacteriophage Research Consortium (IBRC), Acharya Narendra Dev College (ANDC) Society for Bacteriophage Research and Therapy (SBRT), Open-Source Pharma Foundation (OSPF) and Kerala Higher Education Research Network (KHERN) from October 25th to November 7th, 2023. The International Bacteriophage Research Consortium (IBRC) & Open Source Pharma Foundation (OSPF), in association with the Indian Society for Bacteriophage Research and Therapy (SBRT) also organized a series of talks featuring clinicians from the United States, Australia, India, and Georgia who have experience in delivering Phage Therapy. These talks were held during World Antibiotic Awareness Week (WAAW 2023), which aims to raise awareness about the antibiotic resistance crisis and promote antibiotic stewardship.

3.3 MOU WITH NATIONAL INSTITUTE OF IMMUNOLOGY(NII) (SCIENCE-SETU PROGRAMME)

Coordinators: Prof. Seema Makhija, Dr Archana Pandey

The NII and Acharya Narendra Dev College joined together to launch the NII Acharya Narendra Dev College Science Setu Programme. Such an endeavour is urgently needed since it raises public understanding of the value of Science. The main objective is to support the national initiative to entice more and more talented young minds to choose a profession in Science and Technology. The endeavour would take into account the evolving requirements of biological sciences education, learning, and research. Additionally, it would support the delivery of innovation, research, and continual improvement by involving a talent pool of future Biology students. In addition, the endeavour will integrate the undergraduate teaching in Biology to the NII in the idea of “success through access.” The programme will use on-site and/or online learning methods to accomplish its goals and objectives (depending upon the feasibility). Lectures and discussions, laboratory exercises, summer student and teacher internships, mentorship for student and teacher Science Projects, career opportunities, cutting edge teaching and research methodologies, Science and Technology policy concerns are all possible under the programme. Other relevant activities are another option, as long as it is mutually agreed upon. The programme will inculcate the value of Science among students and help them to choose a profession in Science.

3.4 MOU WITH THSTI (SCIENCE-SETU PROGRAMME)

Coordinators: Prof. Urmi Bajpai, Dr Anupama Shukla, Prof. Seema Makhija, Dr Satendra Singh, Dr Sumit Sahni, Dr Rahul Dev.

The Science Setu programme is an initiative undertaken by the Translational Health Science Technology Institute (THSTI) wherein the scientists share their research interests with the undergraduate students and faculty members of Acharya Narendra Dev College. The MoU has been renewed for three years till 2026.

3.5 COLLABORATION WITH IIT, DELHI FOR CREATION OF VIRTUAL LABS

Coordinators: Prof. Seema Makhija, Dr Sumit Sahni, Prof. Sharanjit Kaur, Dr Pooja Bhagat, Dr Vineet Kumar Singh

Unnatural circumstances need innovative solutions and COVID-19 brought such a situation for academics where normal offline education came to a halt. ANDC, under the able vision of our principal Prof. Ravi Toteja conceptualized the idea of Virtual lab (V-lab) to provide remote access of various labs to the undergraduate Science students through the internet under the aegis of DBT-STAR scheme. The virtual labs were initiated with the collaboration with Virtual Labs, IIT-Delhi (an initiative of MoE, under NMEICT). The approval of being the Nodal Centre for the Virtual Labs was received from IIT-Delhi on September 13, 2021. V-Lab@ANDC is being coordinated by Prof. Seema Makhija, Dr Sumit Sahni and Dr Vineet Kumar Singh. Acharya Narendra Dev College is the first college in the University of Delhi to start V-Lab on its campus. Virtual lab allows the student to understand, learn and perform the practical on their own remotely with a click of the mouse and students can even assess themselves about their learning. It provides a complete Learning Management System (LMS) where students can avail the various learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation. Web enabled experiments have been designed for remote operation and viewing so as to enthuse curiosity and innovation into students. It encourages students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation. The course structure of various labs and experiments available on V-Lab@ANDC is futuristic, following the four quadrant model for e-content and is developed considering the National Education Policy (NEP)-2020. V-Lab@ANDC website is created and

maintained by our own students for four domains i.e. Biological Science, Chemical Science, Electronics and Physical Science which include seven departments i.e. Biomedical Science, Botany, Chemistry, Computer Science, Electronics, Physics and Zoology.

Acharya Narendra Dev College pioneered the concept of a Virtual Lab, aiming to grant undergraduate science students remote access to various labs via the internet. This initiative marked the college as the trailblazer in implementing V-Lab within the University of Delhi. The course design for various labs and experiments available on V-Lab@ANDC is forward-thinking, adopting a four-quadrant model for e-content, aligned with the principles of the National Education Policy (NEP)-2020. The V-Lab@ANDC website is curated and managed by students themselves, covering four domains: Biological Science, Chemical Science, Electronics, and Physical Science, encompassing seven departments: Biomedical Science, Botany, Chemistry, Computer Science, Electronics, Physics, and Zoology.

Bootcamps for V-Lab Development: This year following two Bootcamps were organized:

1. One-week Bootcamp 2.1 for V-lab Development
(March 11-15, 2024)
2. Five day Bootcamp on V-Lab Development 2.2 and Bootcamp on V-Lab Development (Building Blocks of Simulator)
(April 24-28, 2023)

3.6 MOU WITH ENTREPRENEURSHIP CELL, SCHOOL OF OPEN LEARNING, UNIVERSITY OF DELHI

Coordinator: Prof. Sandeep Kumar Goel

ANDC, in collaboration with Entrepreneurship Cell, School of Open Learning, and University of Delhi will be offering a certificate course in entrepreneurship and start up under the UGC scheme of National Skills Qualifications Framework. The course can be done after 10+2 and will be of six months duration. This collaboration will also provide the potential entrepreneurs from ANDC with assistance in availing the entrepreneurship schemes by central and state governments.

3.7 UNIVERSITY OF DELHI @ ANDC SPIE STUDENT CHAPTER

Coordinator: Prof. Amit Garg

SPIE Office Bearers 2023:

- ◆ President - Mayank Rathi, B.Sc (H) Mathematics
- ◆ Vice President - Prachi Dubey, B.Sc (H) Electronics
- ◆ Secretary - Ayush Chaudhary, B.Sc Physical Sciences with Computer Science
- ◆ Treasurer - Rimjhim Shukla, B.Sc Life Sciences
- ◆ General Officer - Vasundhara Bhattacharya, B.Sc Life Sciences
- ◆ Editorial Officer - Priyanshu Gupta, B.Sc Physical Sciences with Electronics
- ◆ Technical Officer - Prashant Tiwari, B.Sc (H) Biomedical Sciences

Excursion to Rashtrapati Bhavan Museum: August 26, 2023/Offline /Rashtrapati Bhavan Museum, New Delhi. SPIE chapter organized an educational excursion to Rashtrapati Bhavan Museum (RBM) as part of our Runner-up SPIE Presidential Award celebration. Approximately 50 students joined this enlightening journey.

College Orientation “Aarambh” 2023: August 16, 2023/ Offline / Conference Room. Acharya Narendra Dev College (ANDC), University of Delhi, orchestrated a comprehensive orientation program, encompassing various facets of academic and extracurricular engagement. Under the umbrella of Research & Innovation, SPIE ANDC played a pivotal role, introducing over 200 students to the rich legacy, dedicated team, and impactful initiatives of the SPIE chapter.

Introductory Session about SPIE 2023: September 18, 2023/ Offline / Seminar Hall, ANDC. The SPIE Student Chapter at Acharya Narendra Dev College orchestrated a dynamic orientation session welcoming new students to the vibrant world of optics and photonics.

Interstellar IQ Battle 2023: September 20, 2023/Offline / Seminar Hall, ANDC. A spirited Interstellar IQ Battle quiz competition unfolded to commemorate the remarkable success of Chandrayaan-3 and the launch of Aditya L-1. Attended by 40 enthusiastic students, the quiz focused on testing participants' knowledge about these groundbreaking space missions. The competition featured three

challenging levels, each probing the depths of participants' understanding of Chandrayaan-3 and Aditya L-1.

Workshop on 3D Printing Technology: September 23, 2023/ Offline / Seminar Hall, ANDC. The SPIE Student Chapter, Delhi University, organized a one-day workshop on 3D printing technology with the aim of providing students with a comprehensive understanding of 3D printing technology, its history, different types of 3D printers, and its various industrial applications. The workshop was conducted by Mr. Shivansh Bhatnagar, former SPIE Chapter member as resource person following the Train the Trainer philosophy. He got trained through a six month dissertation under the Chapter Faculty Advisor, Prof. Amit Garg. The resource person introduced the participants to the history and progress of 3D printing technology. Students were also given a practical demo session on Blender software, and Flash Forge 3D Printer.

Machine Learning with Python (5 Day Workshop): September 25-29, 2023/Online /Google Meet. SPIE Student Chapter, ANDC, in collaboration with Brain Mentors Pvt Ltd, organized a comprehensive 5-day workshop on Machine Learning with Python. Guided by the esteemed industry trainer Mr. Kumar Kaushik, the workshop aimed to provide an in-depth exploration of machine learning, data science, and Python. With a commitment to fostering expertise in emerging technologies, SPIE ANDC welcomed over 40 participants to this immersive learning experience. The sessions spanning over 5 days covered themes, such as, Introduction to AI and Python Basics, Building Python Foundations, Exploring NumPy and Jupiter Lab, Introduction to Pandas for Data Manipulation, and Building a Recommendation Program

SPIE Optics Outreach Culmination 2023: October 06, 2023/Offline/ Seminar Hall, Electronics Lab 1 and 2, Material Science Lab. The culmination of SPIE Optics Outreach Education Programme marked a significant event in the annals of Acharya Narendra Dev College, as we had the privilege of hosting a distinguished physicist and educator, Professor H.C. Verma, as our Chief Guest. This event was organized by the SPIE Student Chapter, under the able guidance of our Faculty Advisor, Prof. Amit Garg. The presence of our esteemed College Principal, Prof. Ravi Toteja and IAPT RC-1 Officials Prof. Seema Wats, and Dr Yogesh Kumar, added further prestige to the occasion.

Prof. Verma was felicitated with the 3D Printed Representations of both himself and himself conducting experiments printed by the members of SPIE Student Chapter, ANDC. As the day unfolded, the event was honored by the motivating speech by our college Principal, Prof. Toteja and our faculty advisor, Prof. Amit Garg sharing his experiences and applauding the team efforts. And, finally the wait was over as IAPT RC-1 President, Prof. Seema Vats with her warm speech welcomed Prof. Verma for the talk show. The project exhibition was also held which showcased the innovative endeavors of students, aligning with the spirit of Prof. Verma's message. A heartwarming moment followed as Prof. Verma personally honored 2 student winners from each participating school in the Outreach Programme, and schools through teacher coordinators.

BIS Student Connect Programme 2023: October 12, 2023/ Offline / Conference Room. An insightful and engaging awareness program was organized in collaboration with the Bureau of Indian Standards , India and the SPIE Student Chapter, ANDC. The event aimed to create awareness about various standards and practices in the field of technology and to promote active participation of students through various activities.

DBT STAR Visit at ANDC: October 16, 2023/ Offline /ANDC. During the visit of the expert committee of Department of Biotechnology (DBT Star), a constituent office of the Ministry of Science and Technology, Government of India, at Acharya Narendra Dev College on October 16, 2023, the research wing of SPIE Student Chapter University of Delhi at ANDC, SARP showcased a diverse array of projects created by its student members.

Modern Optics & Photonics Experiments Workshop: October 08, 2023/ Offline / Electronics Lab 1 & 2, Material Science Lab. The Modern Optics and Photonics Experiments Workshop, hosted by the SPIE Student Chapter at Acharya Narendra Dev College, was a day of understanding, hands-on learning, and enthusiasm for Optics. The students were given an in-depth explanation of the experiment and a hands-on session as well on Electro-optic effect, diffraction grating, optical fibre, polarization experiment, Hologram demonstration, Optical kit.

Talk Show on Space Dynamics: November 04, 2023/ Offline/ Seminar Hall, ANDC. SPIE Student Chapter at Acharya Narendra Dev College,

University of Delhi teamed up with Mr Divyansh Rajput, the former SPIE ANDC Editorial Officer (2022-23) to bring these awe-inspiring concepts down to earth. On November 4, 2023 approximately 35 Chapter members and College Students joined in to attend the seminar at Acharya Narendra Dev College, University of Delhi. Divyansh has worked in the SPIE lab on development of Drone propellers for more than a year. The session, a captivating odyssey through the intricacies of space exploration, reached its zenith with an insightful exploration of orbital maneuvers, leaving attendees enriched with newfound knowledge about the dynamic realm beyond our blue planet.

Visit to Inter-University Accelerator Centre: December 01, 2023/ Offline / IUAC, Delhi. SPIE ANDC is gearing up for an insightful visit to the Inter-University Accelerator Centre (IUAC) featuring our esteemed faculty advisor and a contingent of 15 dedicated chapter members. The proposed program promises an engaging and educational experience. The day kicks off with a compelling talk by the Accelerator Facilities at IUAC, scheduled from 10:00 to 10:40. This carefully curated program aligns with SPIE ANDC's commitment to fostering knowledge exchange and practical exposure among its members, ensuring that the visit to IUAC becomes a memorable and enriching experience for everyone involved.

Coffee Session: February 19, 2024 / Offline / Seminar Hall. SPIE ANDC hosted a fantastic coffee session that brought together all the members, office bearers, executives and team leaders for an engaging and informative evening. The session provided a wonderful opportunity to connect with members, share ideas, and delve into the latest advancements in the field. Overall, the SPIE ANDC coffee session on February 19, 2024, was a resounding success. It provided a valuable platform for professional networking, knowledge sharing, and stimulating conversation. The interactive format ensured that everyone had the opportunity to contribute and gain valuable insights from their peers.

Internet of Things Workshop: February 26–March 01, 2024/ Offline/ Seminar Hall. SPIE Student Chapter at Acharya Narendra Dev College, Delhi University, successfully conducted a 5-day IOT workshop, aimed to educate participants about IOT, its applications, and the necessary skills to excel in this domain. The workshop was led by industry experts from Brain Mentors Pvt. Ltd., who have won several corporate awards,

including the Professional E Excellence Award, Best Trainer Award, and Best Team Award. The trainers provided hands-on training and shared their industry experience with the participants on five days covering several topics, including, Raspberry Pi boards, PIR sensors, buzzers, ultrasonic sensors, Bluetooth module, Databases and SQLite, etc.

Talk Show on Masters in Abroad: February 26 –March 01, 2024/ Offline / Seminar Hall. The “Masters Abroad” talk event this year was a huge success and gave prospective postgraduate students a lot of insightful information. We had the good fortune to have two esteemed alumni, Mr. Kalpajit and Ms. Varnika Agarwal, speak to us about their Master’s degree programs they pursued overseas under the esteemed Erasmus Mundus program. Varnika is exploring the intriguing field of nuclear physics while attending the Universities of Padua in Italy and Seville in Spain. However, Mr. Kalpajit is studying at KU Leuven in Belgium and UGA Grenoble in France in the cutting-edge fields of nano-sciences and nanotechnology. Varnika and Mr. Kalpajit provided a road map for navigating the Erasmus Mundus application procedure during the very interactive event.

Indian Network for Soil Contamination Research (INSCR) Conference: April 2-5, 2024/ Offline / Conference Centre, University of Delhi. Acharya Narendra Dev College in collaboration with various national and international institutions, organized the 8th International Conference of INSCR and the 4th International Symposium on Ciliate Biology from April 03-05, 2024, at the Conference Centre, University of Delhi. The event witnessed active participation from faculty, research scholars, UG, and PG students, with presentations from several students. Among them, one student was selected for an oral presentation, showcasing their idea and other was selected for paper presentation. This conference provided an excellent platform for academic exchange and collaboration in microbial ecology and soil contamination research along with interdisciplinary approach.

Following projects were presented during the conference:

1. Intelligent Micro-Irrigation System by Priyanshu Gupta B Sc. Physical Sciences With Electronics (II) and Pratyoi Prayash Bora B.Sc(H) Physics (I)
2. Application of AR/VR in STEM education by Prashant Tiwari & Alia Shiddqui B Sc. (H) Biomedical Sciences (II)

3. Addressing the global gut microbiota crisis: A sustainable development approach by Aishani B Sc. (H) Biomedical Sciences (I), Mayank Rathi B Sc. (H) Mathematics (III), Rimjhim Shukla B Sc. Life Sciences (II)

Light through Lens- Interschool Videography Competition: May 16, 2024/Online. The interschool videography competition “Light through your Lens” was a great success and was held in honor of the International Day of Light on May 16, 2024. Multiple schools from all across Delhi NCR India participated and received for the competition, each presenting an own take on the concept of light. Following an intense screening process, our distinguished panel of judges selected ten outstanding entries for shortlisting. These finalists enthralled us with their perceptive grasp of light and its enormous influence on our world in addition to their technical filming abilities.

Awards Received:

Our students received following prestigious awards

1. Professor Savitri Singh Best UG Researcher Award: Mayank Rathi B.Sc. (H) Mathematics (III) – President, SPIE at ANDC.
2. Pushpa Paul Memorial Scholarship: Alia Siddiqui B.Sc. (H) Biomedical Sciences (II) – Executive Member, SPIE at ANDC
3. INSCR 2024 Emerging Researcher Award: Aishani Vashisht B.Sc. (H) Biomedical Sciences (II) – Research Team Member, SPIE at ANDC

Research and Projects:

Completed

1. Intelligent Micro-Irrigation System: Student Involved - Priyanshu Gupta B Sc. Physical Sciences With Electronics (II) and Pratyoi Prayash Bora B Sc. (H) Physics (I).
2. Application of AR/VR in STEM education: Student Involved - Prashant Tiwari & Alia Shiddqui B.Sc.(H) Biomedical Sciences (II)
3. STEM Trigonometric & Mensuration Measurement Models: Student Involved - Mayank Rathi B.Sc.(H) Mathematics (III), Priyanshu Gupta B Sc. Physical Sciences With Electronics (II), Sneha Singh B.Sc. (H) Electronics & Drishti B Sc.(H) Electronics.

4. Bluetooth Controlled Car: Student Involved – Utkarsh Singh Chauhan B.Sc.(H) Physics (I), Nikhil B.Sc.(H) Mathematics (I) & Raj Gola B.Sc.(H) Physics (II).
5. Radio Frequency Identification: Student Involved – Suraj Singh B.Sc.(H) Physics (II), Ayush Kumar Chaubey Singh B.Sc.(H) Physics (II), Shubham Agrawal B.Sc. (H) Physics (II) & Prachi Dubey B.Sc. (H) Electronics (III).
6. Laser Security System: Student Involved - Shubham Agrawal B.Sc. (H) Physics (II)
7. Recording & Reconstruction of Hologram: Student Involved – Govind Kushwaha B.Sc.(H) Electronics (II) & Vishal Gupta B.Sc. (H) Electronics

3.8 MOU WITH PHIXGEN PVT. LTD.

Coordinator: Prof. Ravi Toteja and Prof. Seema Makhija

A MoU was signed between ANDC and PhiXgen Pvt. Ltd., a company that was established on January 30, 2018. PhiXgen Pvt. Ltd and ANDC will work together to explore activities of mutual interest that endeavor to advance research and improve bioinformatic skills and their responsible application worldwide. The major focus of the firm is to work towards innovation, development, deployment, and commercialization of products and services. The work mandate includes providing technical services to beginners who are facing difficulties in their projects This primarily includes support for Next Generation Sequencing projects for Genomics, Transcriptomics and Proteomics studies. The purpose of the firm is to serve various national and international government and private sector agencies like industries/universities/ colleges/ autonomous bodies/departments etc. The wide scope of the firm also includes onsite/offsite/ online training courses for graduates/post-graduates and corporate professionals. This Year College has organized following conferences, seminars, workshops, etc.

1. 8th International Conference of Indian Network for Soil Contamination Research (INSCR) along with 4th International Symposium for Ciliate Biology (ISCB) on Exploring the Microbial World: From Human Health to Environmental Sustainability jointly with Indian Network for Soil Contamination Research (INSCR) from April 03-05, 2024.

2. Pre-Conference Workshop on Art of Scientific Writing and Communication on April 02, 2024.
3. Pre-Conference Workshop on *Genomics, Metagenomics & Bioinformatics in Microbial Ecology* on April 02, 2024.
4. One-day Hands on Workshop on “Scientific Writing and Communication” under the aegis of IQAC and DBT Star College Scheme on February 13, 2024.
5. National Workshop on Biological Data Analysis with Department of Botany under the aegis of IQAC and DBT Star College Scheme from January 27-31, 2024.

3.9 MOU WITH TSD CONSULTING

Coordinator: Prof . Ravi Toteja

ANDC InStart Foundation (“AIF”) is a business incubator setup as a section 8 company, hosted and promoted by the Acharya Narendra Dev College of the University of Delhi.

AIF has signed an MOU with TSD Consulting, a Singapore based entity, to establish the ANDC-InStart Foundation TSD SCII Hub, under which Centres of Excellence (COE) will be established namely:

- a. Centre for Quality Education, Life-Long Learning, Skills Training, and Professional Development or LLL, which will provide International Visiting Professors/ Lecturers, Campus Talks with Industry Leaders, Foundation Module in Entrepreneurship, Exchange Programmes, Internships, etc.
- b. Centre for Entrepreneurship, Startups, Ventures, and Investments or ESVI which will provide, Co-working Space, Startup Incubator Services, Acceleration Programmes, Business Support Services, etc.

In furtherance of its MOU with TSD Consulting, AIF has signed two Tripartite MOUs with TSD Consulting, Jaganath International Management School (JIMS), Kalkaji and Bhagini Nivedita College, of the University of Delhi to share resources for incubation and to expand the AIF TSD SCII Hub, under which the aforementioned two Centres of Excellence would be setup namely: (i) Centre for Quality Education, Life- Long Learning, Skills Training, and Professional Development; (ii) Centre for Entrepreneurship, Startups, Ventures, and Investments.

In furtherance of these Tripartite MOUs, AIF has conducted sensitisation sessions at both the partner institutions, sensitising over 700 students about entrepreneurship as a career path and how a business incubator can support start-ups.

3.10 MOU WITH JIMS, KALKAJI

Coordinator: Prof. Ravi Toteja

ANDC InStart Foundation has also signed a MoU with JIMS, Kalkaji under which AIF has jointly setup an Incubator branch at JIMS Kalkaji called the “JIMS ANDC InStart Business Incubator”, which is managed and operated by AIF. This additional facility has increased AIF’s co-working space by 15 seats and has also given AIF’s incubated startups access to JIMS, Kalkaji’s institutional infrastructure such as meeting rooms, auditorium, conference rooms, etc. Under this MOU, AIF has extended incubation facilities to students of JIMS, Kalkaji also. Further, AIF has conducted over 10 major events, sessions and workshops on entrepreneurship at JIMS, Kalkaji, including a major investor pitch event where over 200 startups from across India participated and 15 shortlisted startups pitched their business idea before renowned investors. This year, AIF has extended the duration of its aforesaid MOU with JIMS, Kalkaji by another five years.

AIF has 19 Incubatees and 07 Pre-Incubatees in its portfolio from various sectors such as EdTech, Biotechnology, Gaming, Media, Consumer Goods, Agriculture and allied sectors, Retail, Ecommerce, IT, etc. As part of its onboarding process, AIF enters into Incubation Agreements with its incubatees and pre-incubatees.

3.11 MOU WITH BREAKTHROUGH TRUST

Coordinator: Sashakt (Society for Women’s Empowerment), ANDC

Acharya Narendra Dev College, University of Delhi, India and Breakthrough Trust, have created a cooperative alliance. The program would encourage sensitization and capacity building of college students on issues for Sexual harassment, gender based violence, gender equality and corresponding rights and laws.

STUDENTS' CORNER



4. Students' Corner

4.1 STUDENTS' ACHIEVEMENTS, SCHOLARSHIPS AND AID

4.1.1 Merit Positions in the University of Delhi

4.1.1.1 Merit Positions in the University of Delhi (2022-2023) (Non Cumulative)

S. No.	Name	Course	Year	Rank in University	CGPA
1	Anamika Binu	B. Sc. (H) Biomedical Sciences	III	III	8.88
2	Roja Sharma	B. Sc. (H) Botany	II	III	9.46

4.1.1.2 Merit Positions in the University of Delhi (2020-2023) (Cumulative)

S. No.	Name	Course	Year	Rank in University	G_CGPA
1	Shivam	B.Sc. (H) Biomedical Sciences	2020-23	II	9.20

4.1.1.3 Merit Positions in the University of Delhi South Campus (UDSC) (2022-2023) (Non-Cumulative)

S. No.	Name	Course	Year	Rank in UDSC	CGPA
1	Anamika Binu	B. Sc. (H) Biomedical Sciences	III	III	8.88
2	Roja Sharma	B. Sc. (H) Botany	II	II	9.46
3.	Vridhi Singh	B. Sc. (H) Botany	III	III	9.63
4.	Shashank	B.Sc. (H) Chemistry	I	II	8.95
5.	Vishal Gupta	B.Sc. (H) Electronics	II	III	8.64

4.1.1.4 Merit Positions in the University of Delhi South Campus (UDSC) (2020-2023) (Cumulative)

S. No.	Name	Course	Year	Rank in UDSC	G_CGPA
1	Shivam	B. Sc. (H) Biomedical Sciences	2020-23	II	9.20
2	Ankush Rana	B.Sc. (H) Electronics	2019-22	III	8.91

4.1.2 Merit Positions in the College (2022-2023)

4.1.2.1 Merit Positions in the College (Non-Cumulative)

S. No.	Name	Course	Year	Rank in College	CGPA
1.	Muskan	B.Com. (H)	I	I	8.09
2.	Pammi Rani	B.Com. (H)	I	II	7.95
3.	Karuna Roy	B.Com. (H)	I	II	7.95
4.	Khushi	B.Com. (H)	I	II	7.95
5.	Ayush Pandey	B.Com. (H)	I	III	7.86
6.	Hariom Chaudhary	B. Sc. (H) Biomedical Sciences	I	I	8.55
7.	Niharika Sharma	B. Sc. (H) Biomedical Sciences	I	II	8.23
8.	Nikita Singh Dhankar	B. Sc. (H) Biomedical Sciences	I	III	8.14
9.	Shashwat Kumar	B. Sc. (H) Biomedical Sciences	I	III	8.14
10.	Ekta	B.Sc. (H) Botany	I	I	8.55
11.	Sanket Jain	B.Sc. (H) Botany	I	II	8.41
12.	Surbhi Choudhary	B.Sc. (H) Botany	I	III	8.14
13.	Shashank	B.Sc. (H) Chemistry	I	I	8.95

S. No.	Name	Course	Year	Rank in College	CGPA
14.	Hridya S Warriar	B.Sc. (H) Chemistry	I	II	8.23
15.	Nidhi Singh	B.Sc. (H) Chemistry	I	III	8.14
16.	Piyush Singh	B.Sc. (H) Computer Science	I	I	8.95
17.	Ashanee	B.Sc. (H) Computer Science	I	II	8.68
18.	Adi Maqsood	B.Sc. (H) Computer Science	I	III	8.27
19.	Nishant Pratap Singh	B.Sc. (H) Computer Science	I	III	8.27
20.	Govind Kushwaha	B.Sc. (H) Electronics	I	I	8.09
21.	Abhinav Saxena	B.Sc. (H) Electronics	I	II	8.05
22.	Sneha Singh	B.Sc. (H) Electronics	I	III	8.00
23.	Sunil Kumawat	B.Sc. (H) Mathematics	I	I	8.95
24.	Srishti Upadhyay	B.Sc. (H) Mathematics	I	II	8.23
25.	Vikrant Kumar	B.Sc. (H) Mathematics	I	III	8.09
26.	Prasun Kumar Pal	B. Sc.(H) Physics	I	I	7.73
27.	Abhineet Singh Rajput	B.Sc. (H) Physics	I	I	7.73
28.	Shubhra Priyadarshini	B.Sc. (H) Physics	I	II	7.55
29.	Suraj Singh	B.Sc. (H) Physics	I	III	7.50
30.	Harsh Agrahari	B.Sc. (H) Physics	I	III	7.50
31.	Shalini	B.Sc. (H) Zoology	I	I	8.55
32.	Mahaprasad Nayak	B.Sc. (H) Zoology	I	II	8.45
33.	Shalini Maurya	B.Sc. (H) Zoology	I	III	8.41

S. No.	Name	Course	Year	Rank in College	CGPA
34.	Abhay Patel	B.Sc. Life Sciences	I	I	8.64
35.	Muskan Saini	B.Sc. Life Sciences	I	II	8.18
36.	Deepika Rawat	B.Sc. Life Sciences	I	III	7.91
37.	Shivanshi Rajpoot	B.Sc. Physical Sciences	I	I	8.55
38.	Pragya Tripathi	B.Sc. Physical Sciences	I	II	8.50
39.	Sagar Sharma	B.Sc. Physical Sciences	I	III	8.36
40.	Aman Kalra	B.Com. (H)	II	I	8.14
41.	Pragya Jha	B.Com. (H)	II	II	8.00
42.	Shashi Maurya	B.Com. (H)	II	III	7.96
43.	Paras Jain	B.Com. (H)	II	III	7.96
44.	Sonam Soni	B.Sc. (H) Biomedical Sciences	II	I	8.92
45.	Ruchika	B.Sc. (H) Biomedical Sciences	II	II	8.695
46.	Anshika Bansal	B.Sc. (H) Biomedical Sciences	II	III	8.6
47.	Roja Sharma	B.Sc. (H) Botany	II	I	9.46
48.	Anushka Tiwari	B.Sc. (H) Botany	II	II	9.21
49.	Haemakshi Biswas	B.Sc. (H) Botany	II	III	9.07
50.	Shuruti Panwar	B.Sc. (H) Botany	II	III	9.07
51.	Dipankar Dev Rishi	B.Sc. (H) Chemistry	II	I	8.36
52.	Aranya Shukla	B.Sc. (H) Chemistry	II	II	8.04

S. No.	Name	Course	Year	Rank in College	CGPA
53.	Nikita Kumari	B.Sc. (H) Chemistry	II	III	7.93
54.	Riyansh sharma	B.Sc. (H) Computer Science	II	I	9.25
55.	Pranav Singh	B.Sc. (H) Computer Science	II	II	8.82
56.	Shorya Bhatnagar	B.Sc. (H) Computer Science	II	II	8.82
57.	Shubh Sankhyadhar	B.Sc. (H) Computer Science	II	III	8.50
58.	Vinay Pratap Singh	B.Sc. (H) Computer Science	II	III	8.50
59.	Vishal Gupta	B.Sc. (H) Electronics	II	I	8.64
60.	Shreyansh Pandey	B.Sc. (H) Electronics	II	II	7.39
61.	Shabir Hussain	B.Sc. (H) Electronics	II	III	7.36
62.	Nikhil Joshi	B.Sc. (H) Mathematics	II	I	9.25
63.	Ayush Singh Yadav	B.Sc. (H) Mathematics	II	II	9.14
64.	Diksha	B.Sc. (H) Mathematics	II	III	8.64
65.	Dolly Bansal	B.Sc. (H) Physics	II	I	8.96
66.	Nikhil Prajapati	B.Sc. (H) Physics	II	II	8.68
67.	Nisha Khanra	B.Sc. (H) Physics	II	III	8.57
68.	Anshika Sharma	B.Sc. (H) Zoology	II	I	9.08
69.	Khushboo	B.Sc. (H) Zoology	II	II	8.95
70.	Harshita Kushwaha	B.Sc. (H) Zoology	II	III	8.9
71.	Dixit Sinha	B.Sc. (P) Life Sciences	II	I	8.82

S. No.	Name	Course	Year	Rank in College	CGPA
72.	Priya Yadav	B.Sc. (P) Life Sciences	II	II	8.615
73.	Nakul Shishodia	B.Sc. (P) Life Sciences	II	III	8.55
74.	Chetna Panchal	B. Sc. Physical Sciences	II	I	9.45
75	Vishwa Bandhu Yadav	B. Sc. Physical Sciences	II	II	9.18
76	Anshuman Panigrahi	B. Sc. Physical Sciences	II	III	8.95
77	Arjun Singhal	B.Com. (H)	III	I	8.38
78	Arjun Suresh	B.Com. (H)	III	II	8.00
79	Shivam Kumar	B.Com. (H)	III	II	8.00
80	Ved Vaibhav Deo	B.Com. (H)	III	III	7.88
81	Anamika Binu	B.Sc. (H) Biomedical Sciences	III	I	8.88
82	Shivam	B.Sc. (H) Biomedical Sciences	III	II	8.25
83	Nisha	B.Sc. (H) Biomedical Sciences	III	III	8.13
84	Vridhi Singh	B.Sc. (H) Botany	III	I	9.63
85	Shreya Singh	B.Sc. (H) Botany	III	II	8.75
86	Ananya Das	B.Sc. (H) Botany	III	III	8.63
87	Darshit Singh Rawat	B.Sc. (H) Botany	III	III	8.63
88	Sruthi S. Kumar	B.Sc. (H) Botany	III	III	8.63
89	Meghana Bisht	B.Sc. (H) Chemistry	III	I	8.63
90	Deepak Kumar	B.Sc. (H) Chemistry	III	II	8.50
91	Taruna	B.Sc. (H) Chemistry	III	III	8.38
92	Ananya Shukla	B.Sc. (H) Computer Science	III	I	9.25

S. No.	Name	Course	Year	Rank in College	CGPA
93.	Yash Lohia	B.Sc. (H) Computer Science	III	I	9.25
94.	Anam Khan	B.Sc. (H) Computer Science	III	II	9.00
95.	Harsh Bamotra	B.Sc. (H) Computer Science	III	III	8.75
96.	Akanksha Rawal	B.Sc. (H) Electronics	III	I	8.38
97.	Ankush Rana	B.Sc. (H) Electronics	III	II	8.13
98.	Shivansh Bhatnagar	B.Sc. (H) Electronics	III	III	7.88
99.	Ashutosh Neg	B.Sc. (H) Mathematics	III	I	9.13
100.	Shruti Arya	B.Sc. (H) Mathematics	III	I	9.13
101.	Saumya Gupta	B.Sc. (H) Mathematics	III	II	8.75
102.	Surbhi Kumari	B.Sc. (H) Mathematics	III	II	8.75
103.	Ajay Kumar	B.Sc. (H) Mathematics	III	III	8.50
104.	Bhavya	B.Sc.(H) Physics	III	I	8.75
105.	Vipul Naresh	B.Sc.(H) Physics	III	II	8.63
106.	Harsh Kumar	B.Sc.(H) Physics	III	III	8.38
107.	Rajkumar Jain	B.Sc. (H) Zoology	III	I	8.88
108.	Anaam Asif Moin	B.Sc. (H) Zoology	III	II	8.75
109.	Neha Rana	B.Sc. (H) Zoology	III	III	8.63
110.	Heena Parveen	B.Sc. (P) Life Sciences	III	I	8.82
111.	Nancy	B.Sc. (P) Life Sciences	III	II	8.36
112.	Shruti Jha	B.Sc. (P) Life Sciences	III	III	8.27
113.	Suraj Sengar	B.Sc. Physical Sciences	III	I	9.00

S. No.	Name	Course	Year	Rank in College	CGPA
114.	Sakshi Garg	B.Sc. Physical Sciences	III	II	8.95
115.	Yashwardhan Singh	B.Sc. Physical Sciences	III	III	8.91

4.1.2.2 Merit Positions in the College (Cumulative) (2020-2023)

S. No.	Name	Course	Year	Rank in College	G_ CGPA
1.	Arjun Singhal	B. Com. (H)	2020-23	I	8.77
2.	Aayushi Chachra	B. Com. (H)	2020-23	II	8.67
3.	Ved Vaibhav Deo	B. Com. (H)	2020-23	III	8.64
4.	Shivam	B. Sc. (H) Biomedical Sciences	2020-23	I	9.20
5.	Anamika Binu	B. Sc. (H) Biomedical Sciences	2020-23	II	8.95
6.	Srishti Singh	B. Sc. (H) Biomedical Sciences	2020-23	III	8.81
7.	Vridhi Singh	B. Sc. (H) Botany	2020-23	I	9.70
8.	Maniket Chauhan	B. Sc. (H) Botany	2020-23	II	8.93
9.	Shreya Singh	B. Sc. (H) Botany	2020-23	III	8.87
10.	Meghana Bisht	B.Sc. (H) Chemistry	2020-23	I	9.35
11.	Ayushi Gupta	B.Sc. (H) Chemistry	2020-23	II	8.94
12.	Taruna	B.Sc. (H) Chemistry	2020-23	III	8.93
13.	Ananya Shukla	B.Sc. (H) Computer Science	2020-23	I	9.47
14.	Yash Lohia	B.Sc. (H) Computer Science	2020-23	II	9.45

S. No.	Name	Course	Year	Rank in College	G_ CGPA
15.	Anam Khan	B.Sc. (H) Computer Science	2020-23	III	9.32
16.	Ankush Rana	B.Sc. (H) Electronics	2020-23	I	8.91
17.	Akanksha Rawal	B.Sc. (H) Electronics	2020-23	II	8.89
18.	Shivansh Bhatnagar	B.Sc. (H) Electronics	2020-23	III	8.83
19.	Shruti Arya	B.Sc. (H) Mathematics	2020-23	I	9.40
20.	Ashutosh Negi	B.Sc. (H) Mathematics	2020-23	II	9.10
21.	Anchal Kandari	B.Sc. (H) Mathematics	2020-23	III	8.97
22.	Bhavya	B.Sc. (H) Physics	2020-23	I	9.02
23.	Kalpajit Roy	B.Sc. (H) Physics	2020-23	II	8.66
24.	Harsh Kumar	B.Sc. (H) Physics	2020-23	III	8.45
25.	Rajkumar Jain	B.Sc. (H) Zoology	2020-23	I	9.27
26.	Neha Rana	B.Sc. (H) Zoology	2020-23	II	8.95
27.	Anaam Asif Moin	B.Sc. (H) Zoology	2020-23	III	8.93
28.	Shreya Rawat	B.Sc. Physical Science	2020-23	I	8.86
29.	Suraj Sengar	B.Sc. Physical Science	2020-23	II	8.81
30.	Sakshi Garg	B.Sc. Physical Science	2020-23	III	8.75
31.	Arunima Dey	B.Sc. (P) Life Sciences	2020-23	I	8.89
32.	Heena Parveen	B.Sc. (P) Life Sciences	2020-23	II	8.81
33.	Somya Pandey	B.Sc. (P) Life Sciences	2020-23	III	8.71

4.1.3 Scholarships and Awards

4.1.3.1 Best Student Silver Jubilee Award

An award of Rs. 10,000/- (Rupees Ten Thousand only) was instituted in 2016, to commemorate the Silver Jubilee year of the College, given to 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. **Saarthak Kumar, B.Sc. (H) Biomedical Sciences, III Year** is selected for the Best Student Silver Jubilee Award for the academic session 2023-24.

4.1.3.2 Abhinav Halen Scholarship

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/- (Rupees Fifteen Thousand only) each, for needy students of the Department of Electronics (academic session 2016-17 onwards). This year the scholarship is awarded to:

S. No.	Name of the Student	Course, Year
1	Vishal Gupta	B.Sc. (H) Electronics, II Year
2	Naman Beri	B.Sc. (H) Electronics, I Year

4.1.3.3 Smt Krishna Toteja Memorial Scholarship

Professor Ravi Toteja, faculty member in Department of Zoology and officiating Principal of the college, has instituted this scholarship (academic session 2016-17 onwards) in the memory of his mother. One scholarship of Rs. 6,000/- (Rupees Six Thousand only) per year is awarded to a meritorious and needy girl student of B.Sc. (H) Zoology. This year the scholarship is awarded to **Vijaylakshmi, B.Sc. (H) Zoology, II Year**.

4.1.3.4 Smt Urmil Gupta Scholarship

Professor Seema Gupta, Department of Chemistry of the college has donated Rs. 1,00,000/- for the institution of a scholarship of

Rs. 6,000/- (Rupees Six Thousand only) in her Mother-in-law's name. The Fund called 'Urmil Gupta Memorial Scholarship' has been created for this. The scholarship is to be awarded from the accrued annual interest. Students of B.Sc. (H) Chemistry with a low family income are eligible for the reward of this scholarship. This year the scholarship is awarded to **Gounshi Kumar, B.Sc. (H) Chemistry, I Year.**

4.1.3.5 Smt Asha Walia Memorial Scholarship

Professor Seema Gupta, Department of Chemistry of the college has donated Rs. 1,00,000/- for the institution of a scholarship of Rs. 6,000/- (Rupees Six Thousand only) in her Mother's name. The Fund called 'Asha Walia Memorial Scholarship' has been created for this. The scholarship is to be awarded from the accrued annual interest. Students of B.Sc. Life Science with a low family income are eligible for the reward of this scholarship. This year the scholarship is awarded to **Ashish Raushan, B.Sc. (Prog.) Life Science, II Year.**

4.1.3.6 Smt Snehlata Gupta Fellowship

Dr Manisha Jain, Associate Professor, Department of Chemistry of the college has donated Rs. 1,90,000/- for the institution of a scholarship of Rs. 5,000/- (Rupees Five Thousand only). The Fund called 'Smt. Snehlata Gupta Fellowship' has been created for this. The scholarship is to be awarded from the accrued annual interest. Need based student of B.Sc. (H) Chemistry with a low family income is eligible for the reward of this scholarship. This year the scholarship is awarded to **Pragyan Parimita Behera, B.Sc. (H) Chemistry, II Year.**

4.1.3.7 Sh Ram Swaroop Gupta Fellowship

Dr Manisha Jain, Associate Professor, Department of Chemistry of the college has donated Rs. 1,90,000/- for the institution of a scholarship of Rs. 5,000/- (Rupees Five Thousand only). The Fund called 'Sh. Ram Swaroop Gupta Fellowship' has been created for this. The scholarship to be awarded from the accrued annual interest. Merit based students of B.Sc. (H) Chemistry VI Semester with active involvement in the college activities are eligible for the reward of this scholarship. This year the scholarship is awarded to **Dipankar Dev Rishi, B.Sc. (H) Chemistry, III Year.**

4.1.3.8 D. C. Arora Scholarship

This scholarship is awarded in two categories, needy and meritorious. Each of these categories comprises of 2 scholarships of Rs. 10,000/- (Rupees Ten Thousand only). The proud recipients are:

Meritorious Category

S. No.	Name of the Student	Course, Year
1	Sahil Jha	B.Sc. Physical Science with Computer Science, III Year
2	Piyush Singh	B.Sc. (H) Computer Science II Year

Needy Category

S. No.	Name of the Student	Course, Year
1	Vipul Bhardwaj	B.Sc. (H) Chemistry I Year
2	Anjali	B.Sc. (H) Computer Science III Year

4.1.3.9 શ્રદ્ધાંજલિ: Dr Saumya Saxena Students Endowment Scholarship

The Alumni of B.Sc. (H) Botany has created a scholarship fund in honor of their beloved teacher Dr Saumya Saxena. This endowment scholarship has been created through voluntary contribution made by students whom Dr Saumya Saxena had taught during her career. The fund is called as Dr Saumya Saxena Students Endowment fund with name of the scholarship as શ્રદ્ધાંજલિ: Dr Saumya Saxena Students Endowment Scholarship". The interest earned is being used for awarding two scholarships worth Rs. 6,000/- (Rupees Six Thousand only) every year for students of B.Sc. (H) Botany. The scholarships are awarded on need-cum-merit basis: one to the second year student (based on need and the first year performance) and one to the third year student (based on need and the second year performance).

S. No.	Name of the Student	Course, Year
1	Alisha Khan	B.Sc.(H) Botany III year
2	Aniket Raj	B.Sc.(H) Botany II year

4.1.3.10 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 such scholarships worth Rs. 6,000/- (Rupees Six Thousand only) each and are awarded to needy cum deserving students of B.Sc. (H) Electronics and B.Sc. Physical Science with Computer Science. The awardees of the scholarship are:

S. No.	Name of the Student	Course, Year
1	Faizal Ahmad	B.Sc. (H) Electronics, I Year
2	Mohammad Farman	B.Sc. (H) Electronics I year
3	Chandan Kumar	B.Sc. (H) Electronics, III Year
4	Monu Kumar	B.Sc. Physical Science with Computer Science , I Year
5	Sumit Kumar	B.Sc. Physical Science with Computer Science, II Year
6	Chetna Panchal	B.Sc. Physical Science with Computer Science, II Year

4.1.3.11 Sh Sultan Chand Endowment Scholarship

This scholarship is awarded to a student of B.Com. (H) III Year who secures the highest percentage of marks in the college in B.Com. (H) II Year University examination. The amount of scholarship is Rs. 3,500/- (Rupees Three Thousand Five Hundred only). This year the fellowship is awarded to **Aman Kalra, B.Com. (H) III Year.**

4.1.3.12 Dr (Ms) Usha Aggarwal “Tejaswini” Scholarship

This scholarship is awarded to a student of B.Com. (H) II Year who secures highest percentage of marks in the college in B. Com (H) II Semester university examination. Amount of scholarship is Rs. 3500/- (Rupees Three Thousand Five Hundred only). This year the fellowship is awarded to **Shreya Gupta, B. Com (H) II Year.**

4.1.3.13 Smt Santosh Bansal Memorial Scholarship

Ms. Anupama Rastogi, Associate Professor, Department of Mathematics of the college has donated Rs. 1,00,000 for the institution of a scholarship of Rs. 5,000 in her Mother's name. The Fund called 'Santosh Bansal Memorial Scholarship' was instituted in the year 2022-23. The scholarship is to be awarded from the accrued annual interest. This scholarship is awarded to the student of B.Sc. (H) Mathematics III Year who has secured highest cumulative score in first and second year in the college in the University examination. The proud recipient of this award is **Nikhil Joshi, B.Sc. (H) Mathematics III Year.**

4.1.3.14 Pushpa Paul Memorial Scholarship

The fellowship is for meritorious & needy girl students who displays natural curiosity, motivation, creativity, innovation and have the spark to excel in their field of interest. Under this fellowship, Rs.15,000 is given to two students. Three scholarships were awarded this year. The awardees of the scholarship are:

S. No.	Name of the Student	Course, Year
1	Mahima Rajput	B.Sc. (H) Chemistry, II Year
2	Alia Siddiqui	B. Sc. (H) Biomedical Sciences, II year
3	Himanshi Nagar	B.Sc. (H) Computer Science, III Year

4.1.3.15 Dr Savithri Singh Award for Best UG Researcher

This fellowship was instituted by our Ex-Principal Prof. Savithri Singh after her retirement for best student researcher with the sole purpose of encouraging research among UG students. The award is Rs 10,000 per annum plus a contingency research grant of Rs 2,000 per annum. All ANDC students are eligible for this award. This year the proud recipient of this award is **Mayank Rathi, B.Sc. (H) Mathematics III Year.**

4.1.3.16 Saksham Puru Foundation Research Fellowship

Mrs. Lalita Agarwal, (ex-Treasurer, Governing Body ANDC) has donated Rs. 2,00,000 for the institution of two scholarships of Rs. 5,000 each in her son's name. The Fund called 'SPF Research Fellowship Fund' was instituted in the year 2022-23. The scholarship is to be awarded from the accrued annual interest. This scholarship is awarded to any student of B.Sc.(H)/B.Sc. Program/B. Com(H) III Year who has a minimum merit score of 8 CGPA and above and has an aptitude for research. This Year, the fellowship is awarded to the following students:

S. No.	Name of the Student	Course, Year
1	Afsar Ajmeri	B.Sc. (H) Botany, III year
2	Saarthak Kumar	B.Sc. (H) Biomedical Science, III year

The committee also recommended a special award of Rs. 4000/- to **Mayank Rathi, B.Sc. (H) Mathematics III Year** as an appreciation for his work.

4.1.3.17 Shiv Narain Meritorious Pwd Scholarship

This fellowship was instituted by Prof Rashmi Thukral, Professor, Department of Chemistry of our institution. Two scholarships are awarded to meritorious Pwd students one each from 2nd yr & 3rd yr studying in the college. The aim of scholarship is to

encourage Pwd students for education. This year the fellowship is awarded to **Harsh Dalal, B.Sc. (H) Biomedical Sciences III Year.**

4.1.4 Fellowships Received by ANDC Students from External Sources

4.1.4.1 Vishwa Prakash Mission (VPM)

Vishwa Prakash Mission (VPM) is a young, charitable trust which was registered on 25th July, 2016. The trust strives for the upliftment of the deserving students from families from underprivileged section of society. Mr Rakesh Sethi, Chairman of the Trust sponsored the following students

S. No.	Name of the Student	Course	Amount (Rs.)
1	Asif Ali	B.Sc. (H) Biomedical Sciences	Rs. 15000
2	Ritik	B.Sc. (H) Biomedical Sciences	Rs. 15000
3	Prashant Tiwari	B.Sc. (H) Biomedical Sciences	Rs. 15000
4	Sanjay Sharma	B.Sc. (H) Computer Sciences	Rs. 15000
5	Akshita Ray	B.Sc. (H) Computer Sciences	Rs. 15000
6	Sonal	B.Sc. (H) Biomedical Sciences	Rs. 15000

4.1.4.2 Meritorious Students 'Award from University of Delhi

Faculty of Science, University of Delhi rewards the meritorious students who are pursuing science courses from colleges of University of Delhi. The amount of this award given is Rs.4 ,000/- (Rupees Four Thousand only) which is to be used by the student for the purchase of books. This year, the award is given to the following twenty-four students:

S.No.	Name of the Student	Course
1.	Vaibhav Srivastava	B.Sc.(Hons.) Physics, I Year
2.	Nanda Kumar Jena	B.Sc.(Hons.) Physics, I Year
3.	Prasun Kumar Pal	B.Sc.(Hons.) Physics, II Year
4.	Abhineet Singh Rajput	B.Sc.(Hons.) Physics, II Year
5.	Dolly Bansal	B.Sc.(Hons.) Physics, III Year
6.	Nikhil Prajapati	B.Sc.(Hons.) Physics, III Year
7.	Deepesh	B.Sc.(Hons.) Chemistry, I Year
8.	Kalyani T.S.	B.Sc.(Hons.) Chemistry, I Year
9.	Shashank	B.Sc.(Hons.) Chemistry, II Year
10.	Hridya S.Warrier	B.Sc.(Hons.) Chemistry, II Year
11.	Dipankar Dev Rishi	B.Sc.(Hons.) Chemistry , III Year
12.	Aranya Shukla	B.Sc.(Hons.) Chemistry, III Year
13.	Anoushka Sharma	B.Sc.(Hons.) Botany, I Year
14.	Bhargav Jyoti Devi	B.Sc.(Hons.) Botany, I Year
15.	Ekta	B.Sc.(Hons.) Botany, II Year
16.	Sanket Jain	B.Sc.(Hons.) Botany, II Year
17.	Roja Sharma	B.Sc.(Hons.) Botany, III Year
18.	Anushka Tiwari	B.Sc.(Hons.) Botany, III Year
19.	Ayush	B.Sc.(Hons.) Zoology, I Year

S.No.	Name of the Student	Course
20.	Arti Kumari	B.Sc.(Hons.) Zoology, I Year
21.	Shalini	B.Sc.(Hons.) Zoology, II Year
22.	Mahaprasad Nayak	B.Sc.(Hons.) Zoology, II Year
23	Anshika Sharma	B.Sc.(Hons.) Zoology, III Year
24.	Khushboo	B.Sc.(Hons.) Zoology, III Year

4.1.4.3 Inspire Scholarship

DST, Government of India gives INSPIRE scholarship to the meritorious students. This year, the scholarship is given to the following student:

S.No.	Name of the Student	Course, Year	Amount (Rs.)
1	Sunil Kumawat	B.Sc.(H) Mathematics, III Year	1,40,000

4.1.5 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:

- Full fee waiver (Except Security Deposit)
- A stipend of Rs. 1000/- per month for ten months
- Stationery + photocopying upto Rs. 3000/- for the academic year

This year, the following students were supported in any one of the above category:

a. **Full fee waiver**

S. No.	Student Name	Course	Year
1	Roshni Ratre	B.Com (H)	II
2	Hari Om Sharan	B. Sc. (H) Botany	I
3	Nidhi Singh	B. Sc. (H) Chemistry	II
4	Rishika	B. Sc. (H) Chemistry	II
5	Kashtanwar	B. Sc. (H) Chemistry	I
6	Heikham Molen Singh	B. Sc. (H) Chemistry	I
7	Abhishek Raghav	B. Sc. (H) Chemistry	I
8	Sunny Kumar	B. Sc. (H) Chemistry	I
9	Rohit Kumar Bawal	B. Sc. (H) Chemistry	II
10	Ashutosh Tiwari	B.Sc. (H) Mathematics	II
11	Deepak Bind	B.Sc. (H) Mathematics	I
12	Aditya Kumar Singh	B. Sc. (H) Physics	III
13	Ravi Kumar	B. Sc. (H) Physics	II
14	Disha	B. Sc. (H) Physics	I
15	Shaili Pal	B. Sc. (H) Zoology	II
16	Monika Tanwar	B. Sc. (H) Zoology	I
17	Sahil Jha	B.Sc. Physical Science with Computer Science	III
18	Vimal Raj	B.Sc. Physical Science with Computer Science	I
19	Gaurav Kumar	B.Sc. Physical Science with Computer Science	I
20	Pooja	B.Sc. Physical Science with Computer Science	III
21	Ravi Tomer	B.Sc. Physical Science with Computer Science	III

S. No.	Student Name	Course	Year
22	Amit Rathore	B.Sc. Physical Science with Computer Science	III
23	Divya	B.Sc. Physical Science with Computer Science	III
24	Abhishek Kumar Prajapati	B.Sc. Physical Science with Electronics	III
25	Sachin Jarwal	B.Sc.(H)Electronics	III
26	Ranjeet Anand	B.Sc.(H)Electronics	II
27	Karamveer	B.Sc. Physical Science with Chemistry	III
28	Jagdeesh Arya	B.Sc. Physical Science with Chemistry	III
29	Sahil	B.Sc. Physical Science with Chemistry	III
30	Kashish	B.Sc. Physical Science with Chemistry	III
31	Mahesh Kumar	B.Sc. Physical Science with Chemistry	II

b. **A stipend of Rs. 1000/- per month for ten months**

S. No.	Student Name	Course	Year
1	Annu Kumari	B.Com (H)	I
2	Preksha	B. Sc. (H) B.M.S.	III
3	Hariom Chaudhary	B. Sc. (H) B.M.S.	II
4	Sanket Jain	B. Sc. (H) Botany	II
5	Jangidi Ranjith	B. Sc. (H) Botany	II
6	Huirem Bishwonath Meitei	B. Sc. (H) Botany	I
7	Komal Kumari	B. Sc. (H) Chemistry	II

S. No.	Student Name	Course	Year
8	Amal Joshy	B. Sc. (H) Chemistry	III
9	Milan Singh	B.Sc. (H) Mathematics	I
10	Srishti Upadhyay	B.Sc. (H) Mathematics	II
11	Anand Kumar	B. Sc. (H) Physics	I
12	Vaibhav Srivastava	B. Sc. (H) Physics	I
13	Vinit Kumar	B. Sc. (H) Physics	II
14	Rashi	B.Sc. Physical Science with Computer Science	III
15	Paras Khandelwal	B.Sc. Physical Science with Electronics	I
16	Ankit Thakur	B.Sc. Physical Science with Electronics	I
17	Aryan	B.Sc. (H) Computer Sciences	II
18	Sanju Kumar	B.Sc. (H) Computer Sciences	I
19	Sagar	B.Sc. (H) Computer Sciences	II
20	Deepak Kumar	B.Sc. (H) Computer Sciences	III
21	Nishant Pratap Singh	B.Sc. (H) Computer Sciences	II
22	Deepak Kumarjha	B.Sc.(H)Electronics	I
23	Abhay Srivastava	B.Sc.(H)Electronics	I
24	Sonam Pal	B.Sc. Physical Science with Chemistry	III

c. **Stationery + photocopying upto Rs. 3000/- for the academic year**

S. No.	Student Name	Course	Year
1	Rohit Yadav	B.Com (H)	II
2	Alisha Khan	B. Sc. (H) Botany	II
3	Prashant	B.Sc. (H) Mathematics	I
4	Vijayalakshmi P A	B. Sc. (H) Zoology	II
5	Ayush Kumar	B. Sc. (H) Zoology	II
6	Vishal Karthik	B.Sc. Physical Science with Computer Science	I
7	Monu Kumar	B.Sc. Physical Science with Computer Science	I
8	Nikhil Kumar	B.Sc. Physical Science with Computer Science	I
9	Chetna Panchal	B.Sc. Physical Science with Computer Science	III
10	Harsh Bhatt	B.Sc. Physical Science with Computer Science	III
11	Babu Lal	B.Sc. Physical Science with Electronics	I
12	Amritanshu Mittal	B.Sc. (H) Computer Sciences	III
13	Krish	B.Sc. (H) Computer Sciences	II
14	Mohammad Zeeshanalam	B.Sc. (H) Computer Sciences	II
15	Bablu Yadav	B.Sc. (H) Computer Sciences	I
16	Piyush Singh	B.Sc. (H) Computer Sciences	II
17	Anjali	B.Sc. (H) Computer Sciences	III
18	Aman Sharma	B.Sc. (H) Computer Sciences	III

S. No.	Student Name	Course	Year
19	Ankit	B.Sc. (H) Computer Sciences	III
20	Himanshu Yadav	B.Sc. (H) Computer Sciences	I
21	Bhanupratap	B.Sc.(H)Electronics	I
22	Yatharth	B.Sc.(H)Electronics	III
23	Love Upadhyay	B.Sc.(H)Electronics	I
24	Chandan Kumar	B.Sc.(H)Electronics	III
25	Prashant Kumar	B.Sc.(H)Electronics	III
26	Vivek Gautam	B.Sc. Physical Science with Chemistry	III
27	Akanksha Gupta	B.Sc. Physical Science with Chemistry	II

4.1.6 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 attain positions at national and international platforms.

4.1.6.1 Awards Won by Students in Various Conferences/ Inter University/College Competitions

Name of the student, Course	Details of the event and award won
Aishani Vashisht B. Sc. (H) Biomedical Science, I Year	INSCR emerging researcher award for oral presentation awarded during the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organized by INSCR and Acharya Narendra Dev College from April 03-05, 2024 on the topic "Mitigating The Global Gut Microbiota Crisis Through Sustainable Development : An Interdisciplinary Approach"
Enas Shirin Fatma B. Sc. (H) Biomedical Science, I Year	CUBE (Collaboratively Understanding Biology Education) Obaid Siddiqui Award for Pursuit of Excellence 2023 by Kishor Bharati
Hariom Chaudhary B. Sc. (H) Biomedical Science, II Year	1 st position in the quiz competition held during the One Day Workshop on Scientific Writing and Communication organized by ANDC in association with International Society for Microbial Ecology (ISME) on February 13, 2024.
	Best Poster Presentation at the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organized by INSCR and Acharya Narendra Dev College from April 03-05, 2024 on "MDM2 Polymorphism Analysis Uncovers Novel Mechanism For Cancer Resistance"
Prashant Tiwari B. Sc. (H) Biomedical Science, II Year	3 rd prize in Case Crack Competition organized during Entrepreneurship Summit 2023 by Udmodya Foundation, a Section 8 Company of University of Delhi, to celebrate World Entrepreneur's Day on August 21, 2023

Name of the student, Course	Details of the event and award won
Naman Beri B.Sc. (H) Electronics, I year	2 nd Position in the Hackathon of the Annual Technical Fest Electomania'23 held on 6th November 2023 at Shaheed Rajguru College of Applied Science for Women, University of Delhi.
	3 rd Position in Competition Round at IoTronics - Training Program on IoT. The Competition was held on 16 October, 2023, at Deen Dayal Upadhyaya College, University of Delhi. Which was Jointly organized by IEEE Electron Device Society (EDS) Delhi Chapter, The National Academy of Science India (NASI) - Delhi Chapter, ICT Skill Development Centre (SDC) @ DDUC - University of Delhi
Govind Kushwaha B.Sc(H) Electronics III Year	1 st Prize in Brain Drain Quiz organized by Pragyan, Departmental Society of Electronics at Electrobuzz'24, RAJDHANI COLLEGE, University of Delhi, 2 April 2024
	1 st Prize in Circuitry, Circuit Designing Competition held under Vidyut'24, the Annual Fest of Department of Electronics, Atma Ram Sanatan Dharma College, University of Delhi, 19th March 2024
	1 st Prize in Circuit Hunt in Annual Technical Fest Electomania'23 at Shaheed Rajguru College of Applied Sciences For Women, University of Delhi, 6th November 2023
	1 st Prize in Clever Cross (Quiz Competition) in Annual Technical Fest Electomania'23 at Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, 6th November 2023
Sakshi Singh and Harsh B.Sc. (H) Zoology I Year	1 st Prize in the Oral presentation entitled "Extraction of Sericin from cocoon and silk waste" in the International Conference on Global Scenario and Sustainable solutions in Silk industry held at Bharat Tex Expo on February 28, 2024.
Gifty Saini and Ahmed Bilal B.Sc. (H) Zoology I Year	2 nd Prize in the Oral presentation entitled "Cultivating cordyceps by usings silkworm as a substrate" in the International Conference on Global Scenario and Sustainable solutions inSilk industry held at Bharat Tex Expo on February 28, 2024.

Name of the student, Course	Details of the event and award won
Anshika Sharma B.Sc. (H) Zoology III Year	1 st Prize in Small Story Writing Competition in Hindi Diwas 2023 organized by Jesus and Mary College, University of Delhi.
Vishwanath Kumar B.Sc. (H) Zoology I Year	2 nd position in Quiz Competition in One Day workshop on Scientific Writing and Communication organized by ANDC and sponsored by ISME on February 13, 2024
Ayush Kumar B.Sc. (H) Zoology II year	Winner in Fashion and Flora: Botanical Fashion show organized during Aranyam 2024

4.1.6.2 Awards Won by Students in Various Extra – Curriculum Activities

Name of the student, Course	Details of the event and award won
Ujjawal Kumar B. Sc. (H) Biomedical Science, II Year	1 st rank in 'Samavesh' organized by National Service Scheme unit of Sri Aurobindo College (Evening) (NSS-SACE) during their annual event - Tarang'24, April 14, 2024
Suprobh Ahna Borah B. Sc. (H) Biomedical Science, III Year	2 nd Position in 'Basic Science Rizz', an intercollege quiz competition held during Ctahexis'24, the annual fest of Department of Biomedical Science, ANDC on February 14, 2024.
Mamta B. Sc. (H) Biomedical Science, I Year	1 st Place in 400m Women race in the Fit India ANDC League Tournament 2023-24 organized by Acharya Narendra Dev College from October 03- November 05, 2023.
Shiwani Kumari B. Sc. (H) Biomedical Science, I Year	1 st prize in Basketball (Women) Competition held during Annual Sports Meet (2023-24) at ANDC
Aniket Raj B.Sc. (H) Botony, II Year	1 st Rank in paper presentation competition 'Samavesh' organized by NSS-Sri Aurobindo College, Evening, April 14, 2024
Aniket Raj B.Sc. (H) Botony, II Year	Winner of Click-O-Holic: Photography exhibition organized during Botanical Fest: Aranyam 2024

Name of the student, Course	Details of the event and award won
Anjali, B. Sc. (H) Computer Science III year	2 nd position in 400m Race during Intra College Sports Tournament 2023 organized by ANDC.
Etti, Bharti Yadav, Shivi Chauhan B. Sc. (H) Computer Science III year	1 st position in Kabaddi during Intra College Sports Tournament 2023 organized by ANDC.
Bharti Yadav, Shivi Chauhan B. Sc. (H) Computer Science III year	2 nd position in Kabaddi during Intra College Sports Tournament 2023 at ADGITM.
Shivi Chauhan B. Sc. (H) Computer Science III year	3 rd position in Shot put, first position in Volleyball, first position in Relay (4*200) and third position in 400 m Race during Intra College Sports Tournament 2023 organized by ANDC.
Aman Sharma B. Sc. (H) Computer Science III year	Won 'Top performing lens of the month' during Lens Creator rewards Programme at Snapchat.
Tanisha Verma B. Sc. (H) Computer Science I year	1 st position in Relay (4*100) during Intra College Sports Tournament 2023 organized by ANDC.
Swastika Tiwari, Sapna Kumari, Inshirah Amir, Devika Verma, Tanisha Verma B. Sc. (H) Computer Science I year	1 st position in Kabaddi during Intra College Sports Tournament 2023 organized by ANDC.
Swastika Tiwari B.Sc.(H) Computer Science I Year	1 st position in Shot Put during Intra College Sports Tournament 2023 organized by ANDC
Mahi Jain, Stanzin Nidol, Devika Verma, Swastika Tiwari, Tanisha Verma B. Sc. (H) Computer Science I year	1 st position in Volleyball during Intra College Sports Tournament 2023 organized by ANDC.
Ishitva Joshi, Anshuman Thakur, Anuj Yadav B.Sc.(H) Computer Science I year	2 nd position in Basketball Knockouts during Intra College Sports Tournament organized by ANDC

Name of the student, Course	Details of the event and award won
Anuj Yadav, Raj Kumar B. Sc. (H) Computer Science I Year	1 st position in Volleyball Knockouts during Intra College Sports Tournament organized by ANDC.
Adi Maqsood, B.Sc.(H) Computer Science II year	2 nd position in “Fit India ANDC Sports League (Chess)” – 2023-24 organized by Acharya Narendra Dev College, UoD from 3rd October to 4th November 2023.
Shubh B.Sc.(H) Computer Science III year	1 st position in the Data Science Project Exhibition organized by ANDC on February 29, 2024
Krish B.SC(H) Computer Science II Year	1 st position in Volleyball Knockouts during Intra College Sports Tournament organized by ANDC , UOD
Shaili Pal B.Sc. (H) Zoology II year	1 st Position in Annual Marathon (5 K.M.) held at international student house University of Delhi (Main Campus) on March 09, 2024
Anupama B.Sc. (H) Zoology I year	2nd position in inter college debate competition organized by Sashakt held on February 29, 2024.
	2 nd position in debate competition organized by Tark held on October 20, 2023.

4.1.6.3 Training Programs/Internships Attended by the Students

Name of the student, Course	Details of the training program/ internship
Enas Shirin Fatma B. Sc. (H) Biomedical Science, I Year	Successfully completed a summer internship in the research group Genome Architecture and Evolution of RNA Viruses (GARV) at Helmholtz Institute for RNA-based Infection Research (HIRI) in Wurzburg under the supervision of Jun. Prof. Dr. Redmond Smyth from June 17, 2024 to August 06, 2024 on the topic “RNA structure analysis of the HIV-1 virus”.

Name of the student, Course	Details of the training program/ internship
Preksha B. Sc. (H) Biomedical Science, III Year	Successfully completed an internship training program at Hiyoshi Corporation, Japan on 'Training on Operation and Maintenance of Water Purification Plant and Domestic Wastewater Treatment Facilities, Food and Environmental Analysis' and also, on 'Market Research for Environmental Business in India' from May 22, 2023 to July 14, 2023
S.Kanak Megha B.Sc.(Hons) Computer Science III year	Completed One month Data Science internship in Skill void collaborated with IIT-Roorkee
Aman Sharma B. Sc. (Hons) Computer Science III year	Completed the under 25 Snapchat opinion leader programme for 9 months organized by Snapchat.
Shubh Sankhyadhar, B.Sc. (H) Computer Science, III year	Completed Six months internship in Director South Campus office, University of Delhi under VCIS as a Research and Web development intern.
Sudhanshu Kumar B.Sc. (H) Electronics, I Year	Participated in IoTronics: A Training Program on IoT organized by Deen Dayal Upadhaya College (DDUC), University of Delhi (DU), New Delhi on October 13-14, 2023.
	Completed 4-week course from university of EDINBURGH, British Council on Learning for a sustainable Future on December 3, 2023.
Prateek Sheokand B.Sc. (H) Electronics, I Year	Completed the online course on "Introduction to Internet of Things" by Telecom Sector Skill Council on 18th April 2024.
	Participated in the 5 days' workshop on Internet of Things Organized by Department of Electronics, Acharya Narendra Dev College, University of Delhi in technical collaboration with industry partner Brain Mentors Pvt. Ltd. from February 26- March 1, 2024.
Priya Ranjan B.Sc. (H) Electronics, I Year	Internship: Digital content and Education coordinator At Credo Learning.

Name of the student, Course	Details of the training program/ internship
Abhishek Kumar Thakur B.Sc. (H) Electronics, I Year	IoTronics - Training Program on IoT hands-on practical training on Arduino, ESP-32, Blynk Cloud and TinkerCAD held during October 13- 14 2023 at Deen Dayal Upadhyaya College University of Delhi. Completed online course on 21 Days MasterClass on the Internet of Things held by Pantech e-learning Pvt Ltd. Chennai from 26 June 2024 to 16 July 2024.
Naman Beri B.Sc. (H) Electronics, I Year	Participated in IoTronics - Training Program on IoT, Hands on Practical Training on Arduino, ESP-32, Blynk Cloud and TinkerCad. The Competition was held on 16 October, 2023, at Deen Dayal Upadhyaya College, University of Delhi. Which was Jointly organized by IEEE Electron Device Society (EDS) Delhi Chapter, The National Academy of Science India (NASI) - Delhi Chapter, ICT Skill Development Centre (SDC) @ DDUC - University of Delhi.
Govind Kushwaha B.Sc.(H) Electronics III Year	IoTronics - Training Program on IoT (<i>Hands-on Practical Training on Arduino, ESP-32, Blynk Cloud and TinkerCAD</i>) organized by Deen Dayal Upadhyaya College, University of Delhi "Certificate of Participation" and "Certificate of Qualification for Competition Round", 13-14th October 2023
Suhani Mishra B.Sc (H) Electronics II year	4 months Internship from 26 March 2024 - 26 July 2024 as a Project Manager and Node.js Developer with Ricoz.
Devipriya B.Sc. (H) Zoology II Year	Completed One Month Training on understanding, handling and maintainence of <i>Caenorhabditis elegans</i> and Bacterial culures in Nano Biotechnology Laboratory, Department of Biotechnology, Cochin University of Science and Technology, Kochi from July 01 to August 01, 2024.

Name of the student, Course	Details of the training program/ internship
Abhay Gupta B.Sc. (H) Zoology III Year	Completed internship titled "Techniques on Collection, Preservation and Identification of Insects" at Zoological Survey of India, Northern Regional Centre, Dehradun from June 05 to July 14, 2023.
Mr Dhruv Bhasin B.Sc. (H) Zoology III Year	Completed internship titled "Techniques on Collection, Preservation and Identification of Insects" at Zoological Survey of India, Northern Regional Centre, Dehradun from June 05 to July 14, 2023.
Ms. Anshika Sharma B.Sc. (H) Zoology III Year	Internship at Central Library, DU, under VCIS from November 2023 - April 2024.
Aditi Pal, Muskan B.Sc. (H) Zoology II year	Completed 40 hours Value Added Certificate course in Basics of Research Methodology conducted by PMRF scholars from IITD at ANDC
Muskan, Vijaylaxmi, Manya Batra, Varsha Malik, Aditi Pal, Ayush, Gauri Agarwal and Jyoti Singh Yadav B.Sc. (H) Zoology II year Siya Gupta B.Sc. (H) Zoology I year	Completed 30-hours Value addition Course on Tools and Techniques in Biological science: 2 nd Edition by PMRF scholars from IITD and Jamia Milia Islamia at ANDC

4.1.6.4 Participation by Students in Various Conferences/ Workshops

Name of the student, Course	Details of the event
Aishani Vashisht B. Sc. (H) Biomedical Science, I Year	Successfully completed the National Online RBPT-based Workshop on Biological Data Analysis with R. Participated and worked as resource person in SPIE Modern Optics Workshop.

Name of the student, Course	Details of the event
Enas Shirin Fatma B. Sc. (H) Biomedical Science, I Year	Participated in the Forensic's Fair, a workshop organized by the Department of Biomedical Science, ANDC on February 15, 2024.
	Participated in the 'Nari Shakti Conclave' organized by the Viksit Bharat Ambassador Events on March 07, 2024 and is a certified 'Viksit Bharat Ambassador' now.
	Participated in the intra-college round of the Dark Patterns Buster Hackathon (DPBH-2023) organized by the Department of Consumer Affairs, Govt. of India and IIT, BHU on March 15, 2024.
Enas Shirin Fatma B. Sc. (H) Biomedical Science, I Year	Attended an event on "Life Beyond the Petri Dish, tales of microbial adventures" organized by The SciComm Synapse on March 17, 2024.
Danish Razdan B. Sc. (H) Biomedical Science, I Year	Participated in the open seminar on "How to Prepare for Civil Services Exam" organized by Career Counseling and Placement Cell, ANDC in association with Drishti IAS on October 26, 2023.
	Participated in the Forensic's Fair, a workshop organized by the Department of Biomedical Science, ANDC on February 15, 2024.
Hariom Chaudhary B. Sc. (H) Biomedical Science II Year	Participated in the 5-Days Hands on Workshop on Basic Language Skills organised by ANDC from August 7-11, 2023.
	Participated in the Social Awareness Program on Cleanliness and Hygiene for Pediatric Patients & their Attendants on October 07, 2023 organised by Bhore Living Humanly Foundation (NGO). Prashant Kumar, B. Sc. (H) Biomedical Science, II Year participated in Entrepreneurship Summit 2023 organized by Udmodya Foundation, a Section 8 Company of University of Delhi, to celebrate World Entrepreneur's Day on August 21, 2023.

Name of the student, Course	Details of the event
Hariom Chaudhary B. Sc. (H) Biomedical Science II Year	Participated in G20 University Connect organised by the Ministry of External Affairs and Research and Information System for Developing Countries (RIS), New Delhi, held at Bharat Mandapam on September 26, 2023.
	Participated in Global Bio India 2023 - Biosciences and Bioeconomy organised by the DBT, BIRAC and Association of Biotechnology Led Enterprises (ABLE) held at Bharat Mandapam from December 4-6, 2023.
	Attended the lecture entitled 'How We Sense Pain' by David Julius on held at Jawaharlal Nehru Auditorium, AIIMS, New Delhi on January 19, 2024.
	Participated in the One Day Workshop on Scientific Writing and Communication organized by ANDC in association with International Society for Microbial Ecology (ISME) on February 13, 2024.
	Participated in the One Day Hands-on Workshop on Foldscope organized by the Department of Biomedical Science, ANDC on February 14, 2024.
	Participated in the Forensic's Fair, a workshop organized by the Department of Biomedical Science, ANDC on February 15, 2024.
	Participated in the Pre-Conference Workshop on "Genomics, Metagenomics and Bioinformatics in Microbial Ecology" of the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) and 4th International Symposium on Ciliate Biology (ISCB-2024), organized by International Society for Microbial Ecology (ISME) in collaboration with INSCR and ANDC on April 02, 2024.
Prashant Tiwari B. Sc. (H) Biomedical Science, II Year	Worked as a resource person in the outreach program "SPIE Optics Outreach Education Programme 2023" organized from August 04- September 06, 2023 by SPIE Student Chapter, University of Delhi at ANDC in different schools across Delhi NCR.

Name of the student, Course	Details of the event
Ujjawal Kumar B. Sc. (H) Biomedical Science, II Year	Participated in the One Day Hands-on Workshop on Foldscope organized by the Department of Biomedical Science, ANDC on February 14, 2024.
	Participated in the Forensics' Fair, a workshop organized by the Department of Biomedical Science, ANDC on February 15, 2024.
	Participated in the Symposium and Hands-on Workshop titled 'Ecosystem Restoration and Sustainability' organized by the Department of Botany, ANDC from February 23-24, 2024.
	Contributed as a student volunteer in the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organized by INSCR and Acharya Narendra Dev College from April 03-05, 2024.
	Participated in the inter-college debate competition GEOCONCLAVE organized by Jagan Institute of Management Studies (JIMS), Rohini on April 30, 2024.
Anshika Bansal B. Sc. (H) Biomedical Science, III Year	Participated in the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organized by INSCR and Acharya Narendra Dev College from April 03-05, 2024.
Maushami P T B. Sc. (H) Biomedical Science, III Year	Participated in the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organized by INSCR and Acharya Narendra Dev College from April 03-05, 2024.

Name of the student, Course	Details of the event
Preksha B. Sc. (H) Biomedical Science, III Year	Participated in the 13th Experimental Course in Water Quality organized by Kyoto University of Advanced Science (KUAS), Japan on July 11, 2023.
Suprobh Ahna Borah B. Sc. (H) Biomedical Science, III Year	Participated in the One Day Hands-on Workshop on Foldscope organized by the Department of Biomedical Science, ANDC on February 14, 2024.
	Participated in the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organized by INSCR and Acharya Narendra Dev College from April 03-05, 2024.
	Participated in the One Day Hands-on Workshop on Forensic Science organized by the Department of Biomedical Science, ANDC on April 12, 2023.
Vivek Kumar, Aniket Raj B.Sc (H) Botany II Year	Workshop on Ecosystem restoration and sustainability
Mahima Kumari B.Sc (H) Botany II Year	Workshop on Ecosystem restoration and sustainability
Ayush Shukla B.Sc (H) Botany II Year	Plant Systematics workshop organized at Sri Venkateswara College
Afshar Ajmeri, S.Ananya, Anjali, Ritik Pratap Singh and Aman Kumar B.Sc (H) Botany III Year	Presented a poster at Hansraj College in Conference entitled Advances in Plant Biology: Innovations and strategies for sustainable agricultural productivity for Viksit Bharat @2047: 'Exploring the efficacy of exogenous application of antioxidants and antioxidative enzymes in mitigating stress thereby enhancing crop productivity and stress tolerance.
Aniket Raj B.Sc (H) Botany II Year	National workshop on Raising awareness on Urban quality, climate change, health and e-resilience organized by EPL, Department of environmental studies, UOD:28 th November, 2023.
	One week V-Lab development workshop (Bootcamp 2.1) from 11 th -15 th March 2024 .

Name of the student, Course	Details of the event
Aniket Raj B.Sc (H) Botany II Year	Hands On workshop on Ayurveda and Nutrition entitled 'Prakriti': Important tool for health and diseases.
	One day workshop on 'Scientific writing and communication' organized by ISME and ANDC
	Oral paper presentation in National conference on role of youth leadership in environment and sustainability organized by University school of environmental management, GGSIPU.
	Oral paper presentation in International conference on Chemical and Biological Science organized by ARSD College University of Delhi: 27 th -29 th January 2024.
Sakshi Verma, Ananya , Jayesh Raj Neti, Udit Puri, Anushka Yadav, MO. Saif, Divyanshu Upadhyay, Anuj Yadav, Ishan Srivastav, Kriti Misra, Himanshu Yadav, Shivanshu Tiwari B. Sc.(H) Computer Science I year	V-Lab Bootcamp organised by the Department of Computer Science at Acharya Narendra Dev College, Delhi University, held from March 11th to March 16th.
Aditya Maurya B.Sc. (Hons) Computer Science II year	Participated in four day photography workshop organised by the Culture Council of Delhi University
Himanshu Yadav B.Sc. (Hons) Computer Science I year	Participated in Navigating Digital Frontier: Empowering students for academic success.
Ishitva Joshi, Sapna Kumari, Khushi Balot, Mahi Jain, Akshita Rai, Rose Sablania, Awani Yadav, Rounaq Vaid, Ashmit Bisht, Stanzin Nidol, Shubham Negi, B.Sc.(H) Computer science I Year	Participated in workshop on IOT and Cloud Computing organised by the Department of Computer Science at Acharya Narendra Dev College on 5th March 2024.

Name of the student, Course	Details of the event
Latika Joshi and Swastika Tiwari B.Sc. (H) Computer Science I year	Participated in 'IOT workshop ' conducted by SPIE ANDC student chapter from 26 Feb to 1 March 2024.
Nishant Pratap Singh, Amul Bharti B.Sc (H) Computer Science, II year	Participated in V-Lab Development Revisit Bootcamp 2.2, organised by Department of Computer Science, Acharya Narendra Dev College, UoD, held between 24 - 28 April 2023.
Piyush Singh B.Sc (Hons) Computer Science, II year	Participated in 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), INSCR and Acharya Narendra Dev College, University of Delhi (UoD) on April 03-05, 2024 , Conference Centre, UoD, Delhi, India.
Rohan B.Sc (Hons) Computer Science, II year	Participated in 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), INSCR and Acharya Narendra Dev College, University of Delhi (UoD) on April 03-05, 2024 , Conference Centre, UoD, Delhi, India.
Sagar B.Sc. (H) Computer Science, II year	Participated in 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), INSCR and Acharya Narendra Dev College, University of Delhi (UoD) on April 03-05, 2024 , Conference Centre, UoD, Delhi, India.
Nishant Pratap Singh B.Sc. (H) Computer Science, II year	Presented a webinar on Youth Empowerment in the Digital Age: Embrace Change, Transform Future organized by Maharaja Surajmal Institute Of Technology, GGSIP University on 22nd November 2023.

Name of the student, Course	Details of the event
Adi Maqsood B.Sc. (H) Computer Science, II year	Presented a webinar on Youth Empowerment in the Digital Age: Embrace Change, Transform Future organized by Maharaja Surajmal Institute Of Technology, GGSIP University on 22nd November 2023.
Mayank Kumar B.Sc.(H) Computer Science, II year	Presented a webinar on Youth Empowerment in the Digital Age: Embrace Change, Transform Future organised by Maharaja Surajmal Institute Of Technology, GGSIP University on 22nd November 2023.
Nishant Pratap Singh B.Sc.(H) Computer Science, II year	Worked as student organiser of V-Lab Development Workshop (Bootcamp 2.1), organised by Department of Computer Science, Acharya Narendra Dev College, UoD, held between 11 - 15 March 2024.
Mayank Kumar B.Sc.(H) Computer Science, II year	Worked as student organiser of V-Lab Development Workshop (Bootcamp 2.1), organised by Department of Computer Science, Acharya Narendra Dev College, UoD, held between 11 - 15 March 2024.
Amul Bharti, Mohammad Zeeshan Alam, Krish, Adi Maqsood, Aditya Maurya, Priyanshu Mishra, Harshita Singh, Hardik Bhaniya, B.Sc.(H) Computer Science, II year	Participated in V-Lab Development Workshop (Bootcamp 2.1) organised by Department of Computer Science, Acharya Narendra Dev College, UoD, held between 11 - 15 March 2024.
Yash Asthana, B.Sc(H) Computer Science, II year Megha, Shubh B. Sc. (Hons) Computer Science III year	Participated in One day Workshop on "IOT and cloud computing" organised by Department of Computer Science, ANDC on 29 February, 2024.

Name of the student, Course	Details of the event
Prateek B.Sc. (H) Electronics I Year	Participated in a five-day offline workshop entitled "Internet of Things" from 26th February to 1 st March 2024, organized by SPIE Student Chapter, University of Delhi, Acharya Narendra Dev College with DBT Star College, IQAC and industry partner Brain Mentors Pvt. Ltd
Naman Beri B.Sc. (H) Electronics I Year	ORAL PRESENTATION entitled "Assessing Industrial Impact on Bhilwara Soil: A Comparative Analysis" at the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organized by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024 at Conference Centre, UoD, Delhi, India.
Naman Beri B.Sc. (H) Electronics I Year	Participated in "3D Printing Technology" on 23rd September 2023, organized by SPIE Student Chapter, University of Delhi Acharya Narendra Dev College with DBT Star College and IQAC.
	Participated in a five-day offline workshop entitled "Internet of Things" from 26th February to 1 st March 2024, organized by SPIE Student Chapter, University of Delhi Acharya Narendra Dev College with DBT Star College, IQAC and our industry partner Brain Mentors Pvt. Ltd.
Priya Ranjan B.Sc. (H) Electronics- I Year	Participated in the 5 days' workshop on Internet of Things Organized by Department of Electronics, Acharya Narendra Dev College, University of Delhi in technical collaboration with industry partner Brain Mentors Pvt. Ltd. from February 26- March 1, 2024.
Sudhanshu Kumar, B.Sc. (H) Electronics- I Year	Participated in the training workshop on IoT Organized by 5G Indigenous Test Bed O&M Team of IIT Delhi on January 25, 2024.

Name of the student, Course	Details of the event
Sudhanshu Kumar, B.Sc. (H) Electronics- I Year	Participated in the 5 days' workshop on Machine Learning with Python Interfacing organized by Department of Electronics, Acharya Narendra Dev College, University of Delhi in technical collaboration with industry partner Brain Mentors Pvt. Ltd. from September 25-29, 2023.
	Participated in the One Day offline Workshop on Arduino and Sensor Interfacing organized by Department of Electronics, Acharya Narendra Dev College, University of Delhi on January 31, 2023.
	Participated in the 'Forensic Fair' workshop organized by Department of Biomedical Science, Acharya Narendra Dev College, University of Delhi on February 15, 2024.
	Successfully completed the one-week V-Lab Development Workshop (Bootcamp 2.1) held between 11-15 March 2024 under the Aegis of DBT Star College Scheme.
	Participated in the webinar titled "Digital Frontier: Empowering Students for Academic Success" organized by Department of Computer Science, Acharya Narendra Dev College, University of Delhi under VAC-Digital Empowerment on October 4, 2023.
	Participated as delegate in TATVAVDHAN an initiative by TATVA: The Eco Club of Ramanujan College, University of Delhi on the occasion of International Forest Day and world water day on April 22, 2024 at Ghalib Conference Hall, Ramanujan College.
	Participated in the International Virtual Conference on Emerging Technologies in Materials Science (ICETM 2024) on 22.02.2024 organized by PG & Research Centre of Physics in collaboration with Consultancy cell , Jayaraj Annapackiam College for Women (Autonomous), Periyakulam-625601, Theni District, Tamil Nadu.

Name of the student, Course	Details of the event
Sudhanshu Kumar, B.Sc. (H) Electronics- I Year	Participated as student volunteer from Acharya Narendra Dev College in “In Hope: I Dare Diyva Utsav -2023” held on 4-5 December, 2023 at Thyagaraj stadium, Delhi organized by the Office of the State Commissioner for Persons with Disabilities, the Department of Social Welfare, and the Directorate of Education, Government of Delhi.
	Participated in the 5 days’ workshop on Internet of Things Organized by Department of Electronics, Acharya Narendra Dev College, University of Delhi in technical collaboration with industry partner Brain Mentors Pvt. Ltd. from February 26- March 1, 2024.
Pappu Raj B.Sc.(H) Electronics II year	Artificial Intelligence in Next Generation Communication organized by IIT Delhi, 8-9th March 2024.
Manish Yadav B.Sc. (H) Electronics II Year	One day workshop on Basics of Photography organized by ‘PICFIE - The Photographic Society’ Acharya Narendra Dev College, University of Delhi on March 14, 2024
Govind Kushwaha B.Sc. (H) Electronics III Year	“Internet of Things” five-day offline workshop organized by the SPIE Student Chapter, University of Delhi at Acharya Narendra Dev College with DBT Star College, IQAC and industry partner Brain Mentors Pvt. Ltd. Date: 26th February to 1st March 2024.
	Served as Resource Person demonstrating ‘Holography Illustration’ in the one-day offline workshop entitled “Modern optics and Photonics Experiments”, organized by the SPIE Student Chapter, University of Delhi at Acharya Narendra Dev College with DBT Star College and IQAC. Date: 28th October 2023.
	Served as Resource Person in the SPIE Optics Outreach Education Programme 2023 and as Volunteer in the Culmination of the programme with Chief Guest as “Padma Shri Prof. H.C Verma” organized by the SPIE Student Chapter, University of Delhi at Acharya Narendra Dev College. Date: 4th August - 6 September covered 8 Schools of Delhi.

Name of the student, Course	Details of the event
Govind Kushwaha B.Sc. (H) Electronics III Year	Worked as Management Team of the SPIE Student Chapter, University of Delhi at Acharya Narendra Dev College.
	"Machine Learning with Python" one day offline workshop organized by the SPIE Student Chapter, University of Delhi at Acharya Narendra Dev College with DBT Star College and IQAC. Date: 23rd September 2023.
	"3D Printing Technology" one day offline workshop organized by the SPIE Student Chapter, University of Delhi at Acharya Narendra Dev College with DBT Star College and IQAC. Date: 23rd September 2023.
	"Arduino & Sensor Interfacing" one day offline workshop organized by the SPIE Student Chapter, University of Delhi at Acharya Narendra Dev College with DBT Star College and IQAC. Date: 28th January 2023
	"Hologram Recording & Reconstruction" one day offline workshop organized by the SPIE Student Chapter, University of Delhi at Acharya Narendra Dev College with DBT Star College and IQAC. Date: 4th February 2023.
	Project Exhibitor in Culmination of SPIE Optics Outreach Education Programme 2023 demonstrated "Magnetostriiction Experiment". Date: 6th October 2023.
Suhani Mishra B.Sc(H) Electronics II Year	Technical Team member at SPIE Student Chapter, University of Delhi at Acharya Narendra Dev College.
Sakshi Singh and Harsh B.Sc. (H) Zoology I Year	Oral presentation entitled "Extraction of Sericin from cocoon and silk waste" in the International Conference on Global Scenario and Sustainable solutions in Silk industry held at Bharat Tex Expo held on February 28, 2024
Gifty Saini and Ahmed Bilal B.Sc. (H) Zoology I Year	Oral presentation entitled "Cultivating cordyceps by usings silkworm as a substrate" in the International Conference on Global Scenario and Sustainable solutions in Silk industry held at Bharat Tex Expo on February 28, 2024.

Name of the student, Course	Details of the event
Rishabh Ojha and Shilpa B.Sc. (H) Zoology I Year	Oral presentation “Reshaamitra” An online application for sericulture waste management” in the International Conference on Global Scenario and Sustainable solutions in Silk industry held at Bharat Tex Expo on February 28, 2024.
Sakshi Singh B.Sc. (H) Zoology I Year	Oral Presentation on Utilizing <i>Aloe vera</i> gel as mordant in dyeing silk fabric using <i>Jatropha curcas</i> extract in 8 th International Conference of Indian Network for Soil Contamination Research (INSCR 2024) on Exploring the Microbial World from Human Health to Environmental sustainability and 4 th International Symposium on Ciliate Biology (ISCB-2024) organized by INSCR and ANDC from April 03-05, 2024 at Conference Centre, University of Delhi, Delhi, India
Arti Kumari B.Sc. (H) Zoology I Year	Oral Presentation entitled Controlling microbes by using natural herbs instead of fully reliance on medicine in 8 th International Conference of Indian Network for Soil Contamination Research (INSCR 2024) on Exploring the Microbial World from Human Health to Environmental sustainability and 4 th International Symposium on Ciliate Biology (ISCB-2024) organized by INSCR and ANDC from April 03-05, 2024 at Conference Centre, University of Delhi, Delhi, India
Dhruv Bhasin B.Sc. (H) Zoology III Year	Participated in Bio Insight Forum, a Panel Discussion on Bioinformatics and Drug discovery held under INVICTUS 24 –Annual Fest of DTU on February 09, 2024
Sakshi Singh B.Sc. (H) Zoology I Year	Participated in Pre-Conference Workshop on Art of Scientific Writing and Communication of 8 th International Conference of Indian Network for Soil Contamination Research (INSCR 2024) on Exploring the Microbial World from Human Health to Environmental sustainability and 4 th International Symposium on Ciliate Biology (ISCB-2024) organized by FEMS in collaboration with INSCR and ANDC on April 02, 2024 at ANDC
Arti Kumari, Sakshi Singh, Khushi Singh, Seemal Singh B.Sc. (H) Zoology I Year	Attended One Day Hands on Workshop on Ayurveda and Nutrition entitled Prakriti Important tools for Health and Disease organized by Department of Botany, ANDC on November 30, 2023

Name of the student, Course	Details of the event
Aparna Chowdhury, Mahaprasad Nayak, Mamoni Panda, Ayush Kumar, Nandini Gupta, Anushka Tomar, Rishika Pandey, Manvi Kalra, Rishabh ojha B.Sc. (H) Zoology II Year	Attended 8 th International Conference of Indian Network for Soil Contamination Research (INSCR 2024) on Exploring the Microbial World from Human Health to Environmental sustainability and 4 th International Symposium on Ciliate Biology (ISCB-2024) organized by INSCR and ANDC from April 03-05, 2024 at Conference Centre, University of Delhi, Delhi, India
Manya Batra B.Sc. (H) Zoology II Year Siya Gupta B.Sc. (H) Zoology I Year	Participated in webinar titled Navigating the Digital Frontier: Empowering students for Academic Success organized by Department of Computer Science under VAC-Digital Empowerment held on October 4, 2023
Manya Batra B.Sc. (H) Zoology II Year	Volunteered in Bhumi's Daan Utsav Campaign held in the month of October, 2023
Khushboo B.Sc. (H) Zoology III Year	Participated in a seminar entitled Navigating the Digital Frontier on October 31, 2023
Manya Batra B.Sc. (H) Zoology II year	Attended Kraftshala LIVE on from Fresher to CEO on July 20, 2023
Aaryan Mani, Arnav Abhay Naryan, Rishika Pandey, Tanisha, Rishabh Ojha, Mohit Kumar, Vishwanath Kumar, Komal Kumari, Saloni, Punita Kumari, Gifty Saini, Manvi Kalra, Seemal Singh, Risha Rochna, Arti Kumari, Sakshi Singh B.Sc. (H) Zoology I Year Dhruv Bhasin B.Sc. (H) Zoology III Year	Participated in a One Day workshop on Scientific Writing and Communication organized by ANDC and sponsored by ISME on February 13, 2024

Name of the student, Course	Details of the event
<p>Dhruv Bhasin, Nandini Gupta, Mamoni Panda, Manya Batra</p> <p>B.Sc. (H) Zoology II Year</p> <p>Aaryan Mani, Prasurjya Agasti, Siya Gupta, Rishabh Ojha, Tanisha, Rishika Pandey, Harsh, Shriti Kumari, Vishwanath Kumar, Komal Kumari, Arti Kumari, Sakshi Tripathi, Punita Kumari, Pulkit Deswal, Gifty Saini, Manvi Kalra, Mohit Kumar, Seemal Singh, Risha Rochna, Sakshi Singh, Veena</p> <p>B.Sc. (H) Zoology I year</p>	<p>Participated in the Raising Awareness on Urban Quality, Climate Change, Health and e-Resilience organized by Environmental Pollution Laboratory, Department of Environmental Studies in collaboration with Department of Zoology, ANDC on November 28, 2023</p>
<p>Dhruv Bhasin</p> <p>B.Sc. (H) Zoology III Year</p>	<p>Attended Webinar under The Project Cyber Shield an initiative by Naksh Foundation and Nek Mission Foundation on the topic: Cyber Crime Against women : Opting a Futuristic Approach on July 23, 2023</p>
<p>Khushboo</p> <p>B.Sc. (H) Zoology III Year</p>	<p>Participated in a Seminar entitled Navigating the Digital Frontier and a talk on Cyber Security Awareness organized by the Department of Computer Science held on October 31, 2023</p>
<p>Prasurjya Agasti, Siya Gupta</p> <p>B.Sc. (H) Zoology I Year</p>	<p>Attended one Day Workshop on Industrial Automation Techniques organized under CSIR- Integrated Skill Initiative Programme during September 06, 2024 conducted by CSIR-Central Scientific Instruments Organization, Chandigarh</p>
<p>Manya Batra</p> <p>B.Sc. (H) Zoology II Year</p>	<p>Certificate of appreciation by Enactus INDIA 2023</p>

Name of the student, Course	Details of the event
Gifty Saini, Mohit Kumar B.Sc. (H) Zoology I Year	Attended workshop in Forensic Fair organized by Department of Biomedical Science, ANDC on February 15, 2024
Siya Gupta, B.Sc. (H) Zoology I Year	Attended one day offline workshop on 3-D Printing Technology organized by SPIE Student Chapter, University of Delhi, ANDC on September 23, 2023.
Anupama B.Sc. (H) Zoology I Year	Participated in personality debate competition organized by India-The debating forum held on December 31, 2023.
	Certificate of appreciation for participating as a delegate in IMUN ONLINE CONFERENCE 192.0 held on December 16-17, 2023.
	Participated in intercollegiate speech competition organized by Literary Ministry, Hindu College Parliament, University of Delhi held on March 16, 2024

4.2 Class Representatives

Course and Year	Name
B.Sc. (H) Biomedical Science, I Year	Kumar Tarun Singh
B.Sc. (H) Biomedical Science, II Year	Ayushi Mishra
B.Sc. (H) Biomedical Science, III Year	Yuvraj Singh
B.Sc. (H) Botany, I Year	Suryansh
B.Sc. (H) Botany, II Year	Vaibhav Khatri
B.Sc. (H) Botany, III Year	Shruti Panwar
B.Sc. (H) Chemistry, I Year	Aryan Prasad
B.Sc. (H) Chemistry, II Year	Aryan Seth
B.Sc. (H) Chemistry, III Year	Abhishek Yadav
B.Sc. (H) Computer Science, I Year	Abhijit Kumar

Course and Year	Name
B.Sc. (H) Computer Science, II Year	Sapna Kumari
B.Sc. (H) Computer Science, III Year	Yash Asthana
B.Com. (H), I Year (Sec.-A)	Tarun
B.Com. (H), I Year (Sec.-B)	Danish
B.Com. (H), II Year (Sec.-A)	Akash
B.Com. (H), II Year (Sec.-B)	Ritika
B.Com. (H), III Year (Sec.-A)	Vivek Kunwar
B.Com. (H), III Year (Sec.-B)	Shreya Gupta
B.Sc. (H) Electronics, I Year	Mohd. Farmaan
B.Sc. (H) Electronics, II Year	Jugantar Sensua
B.Sc. (H) Electronics, III Year	Vishal Gupta
B.Sc. (H) Mathematics, I Year	Ankit Thakur
B.Sc. (H) Mathematics, II Year	Sunil Kumawat
B.Sc. (H) Mathematics, III Year	Radhika
B.Sc. (H) Physics, I Year	Shivam Shukla
B.Sc. (H) Physics, II Year	Harsh Agrahari
B.Sc. (H) Physics, III Year	Ankit Singh
B.Sc. (H) Zoology, I Year	Sparsh Gwasikoti
B.Sc. (H) Zoology, II Year	Rishabh Ojha
B.Sc. (H) Zoology, III Year	Aparna Chowdhury
B.Sc. (Prog.) Physical Science with Electronics, I Year	Isha

Course and Year	Name
B.Sc. (Prog.) Physical Science with Electronics, II Year	Kausthub
B.Sc. (Prog.) Physical Science with Electronics, III Year	Anurag
B.Sc. (Prog.) Physical Science with Chemistry, I Year	Anuj
B.Sc. (Prog.) Physical Science with Chemistry, II Year	Aarsh Tripathi
B.Sc. (Prog.) Physical Science with Chemistry, III Year	Simran
B.Sc. (Prog.) Physical Science with Computer Science, I Year	Utkarsh Shekhar
B.Sc. (Prog.) Physical Science with Computer Science, II Year	Kunal Chaurasia
B.Sc. (Prog.) Physical Science with Computer Science, III Year	Jitender Prasad Arya
B.Sc. (Prog.) Life Science, I Year	Aahila Ali
B.Sc. (Prog.) Life Science, II Year	Sidharth Khanduri
B.Sc. (Prog.) Life Science, III Year	Ajit

4.3 Result Analysis

University Guidelines

The examination scheme of University of Delhi is as follows:

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

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.

1. $SGPA (Si) = \frac{\sum(Ci * Gi)}{\sum Ci}$ where Ci is the number of credits of the i th course and Gi 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.
3. $CGPA = \frac{\sum(C_i * S_i)}{\sum C_i}$ where S_i is the SGPA of the i th semester and C_i is the total number of credits in that semester.
4. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

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

Table 1: 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

College Performance

	I Year	II Year	III Year
No of students appeared	627	740	606
No of students passed	617	718	606
Pass Percentage	98.40	97.02	100

Performance Analysis: Department wise

Comparative pass%

Name of the Department	I Year	II Year	III Year
Biomedical Science	98.25	97.83	100.00
Botany	97.92	98.18	100.00
Chemistry	100.00	100.00	94.74
Commerce	98.20	97.97	99.02
Computer Science	96.67	95.60	100.00
Electronics	97.22	96.97	100.00
Mathematics	100.00	92.59	100.00
Physics	97.62	86.96	100.00
Zoology	97.92	97.37	100.00
Physical Science	98.96	96.90	100.00
Life Science	100.00	97.06	100.00

Result Analysis Semester-wise : (2022-2023)

Department-wise Percentage of Students obtaining the desired SGPA (NEP I Semester, 2022-2023)

Dept	BMS	Botany	Chem	Comm	CS	Elect	Math	Phys	Zool	PS	LS
SGPA											
9-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.56
8-9	7.02	6.38	8.33	2.73	13.56	16.67	7.14	2.38	8.33	34.38	2.56
7-8	29.82	42.55	29.17	35.45	23.73	22.22	26.19	16.67	27.08	11.46	33.33
6-7	36.84	31.91	37.50	38.18	32.20	19.44	30.95	35.71	39.58	29.17	41.03

**Department-wise Percentage of Students obtaining the desired SGPA
(NEP II Semester, 2022-2023)**

Dept	BMS	Botany	Chem	Comm	CS	Elect	Math	Phys	Zool	PS	LS
SGPA											
9-10	0.00	0.00	0.00	0.00	1.69	0.00	4.76	0.00	0.00	0.00	0.00
8-9	22.81	8.51	6.25	5.45	8.47	2.78	19.05	11.90	8.33	5.21	7.69
7-8	31.58	29.79	31.25	30.91	23.73	22.22	16.67	38.10	37.50	18.75	51.28
6-7	26.32	29.79	33.33	39.09	28.81	13.89	28.57	16.67	27.08	29.17	30.77

**Department-wise Percentage of Students obtaining the desired CGPA
(NEP I Year, 2022-2023)**

Dept	BMS	Botany	Chem	Comm	CS	Elect	Math	Phys	Zool	PS	LS
CGPA											
9-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8-9	8.77	6.38	6.25	0.91	10.17	8.33	14.29	2.38	8.33	3.13	5.13
7-8	38.60	31.91	27.08	28.18	23.73	19.44	14.29	23.81	29.17	14.58	35.90
6-7	29.82	40.43	33.33	46.36	32.20	19.44	42.86	28.57	29.17	29.17	41.03

**Department-wise Percentage of Students obtaining the desired SGPA
(CBCS III Semester, 2022-2023)**

Dept	BMS	Botany	Chem	Comm	CS	Elect	Math	Phys	Zool	PS	LS
SGPA											
9-10	0.00	7.14	0.00	0.00	0.00	0.00	1.85	6.38	2.63	3.10	1.47
8-9	28.26	23.21	6.25	4.86	7.53	6.06	18.52	10.64	26.32	6.20	14.71
7-8	30.43	30.36	15.63	29.86	19.35	18.18	18.52	25.53	31.58	15.50	38.24
6-7	28.26	19.64	40.63	40.28	25.81	24.24	22.22	19.15	15.79	25.58	20.59

Department-wise Percentage of Students obtaining the desired SGPA (CBCS IV Semester, 2022-2023)

Dept	BMS	Botany	Chem	Comm	CS	Elect	Math	Phys	Zool	PS	LS
SGPA											
9-10	2.17	7.14	0.00	0.00	3.23	0.00	3.70	0.00	5.26	2.33	2.94
8-9	32.61	19.64	15.63	1.39	11.83	3.03	7.41	14.89	36.84	9.30	7.35
7-8	32.61	32.14	18.75	15.97	17.20	9.09	14.81	25.53	28.95	20.16	33.82
6-7	17.39	19.64	46.88	27.08	19.35	18.18	12.96	17.02	15.79	26.36	36.76

Department-wise Percentage of Students obtaining the desired CGPA (CBCS II Year, 2022-2023)

Dept	BMS	Botany	Chem	Comm	CS	Elect	Math	Phys	Zool	PS	LS
CGPA											
9-10	2.17	8.93	0.00	0.00	1.08	0.00	3.70	0.00	2.63	1.55	2.94
8-9	34.78	21.43	6.25	1.39	9.68	3.03	5.56	17.02	28.95	7.75	8.82
7-8	21.74	28.57	31.25	19.44	17.20	18.18	22.22	25.53	31.58	17.05	38.24
6-7	23.91	19.64	28.13	37.50	24.73	12.12	16.67	19.15	18.42	24.03	23.53

Department-wise Percentage of Students obtaining the desired SGPA (CBCS V Semester, 2022-2023)

Dept	BMS	Botany	Chem	Comm	CS	Elect	Math	Phys	Zool	PS	LS
SGPA											
9-10	2.22	4.88	2.78	0.00	7.69	0.00	9.26	0.00	2.70	2.75	0.00
8-9	13.33	34.15	38.89	5.83	28.85	0.00	25.93	9.76	13.51	23.85	23.40
7-8	35.56	21.95	25.00	34.95	28.85	11.90	27.78	9.76	27.03	33.94	44.68
6-7	31.11	12.20	16.67	32.04	19.23	7.14	25.93	39.02	27.03	23.85	19.15

**Department-wise Percentage of Students obtaining the desired SGPA
(CBCS VI Semester, 2022-2023)**

Dept	BMS	Botany	Chem	Comm	CS	Elect	Math	Phys	Zool	PS	LS
SGPA											
9-10	2.22	7.32	0.00	0.00	5.77	2.38	1.85	4.88	5.41	4.59	2.13
8-9	6.67	36.59	11.11	2.91	44.23	9.52	18.52	4.88	16.22	27.52	25.53
7-8	40.00	17.07	44.44	21.36	19.23	23.81	25.93	29.27	45.95	31.19	34.04
6-7	28.89	29.27	16.67	47.57	15.38	21.43	18.52	39.02	21.62	25.69	21.28

**Department-wise Percentage of Students obtaining the desired CGPA
(CBCS III Year, 2022-2023)**

Dept	BMS	Botany	Chem	Comm	CS	Elect	Math	Phys	Zool	PS	LS
CGPA											
9-10	0.00	2.44	0.00	0.00	5.77	0.00	3.70	0.00	0.00	0.92	0.00
8-9	13.33	34.15	25.00	2.91	32.69	4.76	18.52	9.76	16.22	23.85	27.66
7-8	33.33	21.95	30.56	27.18	30.77	11.90	29.63	12.20	32.43	36.70	38.30
6-7	31.11	21.95	22.22	40.78	17.31	26.19	22.22	48.78	35.14	28.44	23.40

ACHIEVEMENTS OF FACULTY AND STAFF



5. Achievements of Faculty and Staff

5.1 'निष्ठा' ANDC SERVICE AWARD

College instituted निष्ठा ANDC Service Award in 2017-18 to felicitate the college employees for completing given years of service. 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 25 years of regular service and Principal completing 10 years of service at Acharya Narendra Dev College, University of Delhi 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. The following Teaching and Non-Teaching staff have completed 25 years of service in the college as on December 31, 2023 and will be recipients of निष्ठा ANDC Service Award.

Teaching Staff

S.No.	Name	Department	Date of Joining
1.	Dr Anupama Shukla	Botany	March 04, 1998

5.2 ACHIEVEMENTS OF PROF. RAVI TOTEJA, OFFICIATING PRINCIPAL

Prof. Ravi Toteja's vision and leadership have been instrumental in positioning Acharya Narendra Dev College as a premier educational institution, renowned for its academic achievements, research advancements, and commitment to skill development. His unwavering dedication to enhancing

the college's infrastructure, academic offerings, and global outreach has benefitted all the stakeholders of the College. Below is an overview of his key achievements:

5.2.1 Institutional Development and Recognition

1. **NAAC Accreditation:** Under his leadership, ANDC was accredited with an A+ grade by the National Assessment and Accreditation Council (NAAC), recognizing the institution's commitment to academic excellence.
2. **National Institutional Ranking Framework (NIRF):** The college secured the 18th position nationally and the 9th position within the University of Delhi in the NIRF rankings, a testament to its growing reputation and quality education.
3. **VC's Recognition:** The Vice Chancellor of the University of Delhi honored Prof. Ravi Toteja for his contributions to the college's success in the NIRF rankings.

5.2.2 Establishment of Skill Development and Research Centres

Prof. Toteja played a pivotal role in establishing various Skill Development Centres under the ANDC Kaushal Kendra, including:

1. Sericulture Skill Development Centre
2. Mushroom Research and Skill Development Centre (MRSDC)
3. Molecular Biology and Biotechnology Skill Centre
4. Zebra Fish Breeding and Research Skill Centre
5. Forensics Skill Centre
6. Agri-based Skill Centre
7. IT Tools and Innovation Skill Centre
8. Language Empowerment Skill Centre
9. Finbiz Skill Centre
10. Emerging Technologies skill Centre
11. Virtual Labs

5.2.2.1 Sericulture Skill Centre Development:

He was instrumental in developing the Sericulture Skill Centre from the ground up, earning the college the prestigious status of a Nodal Centre for Sericulture by the University of Delhi. The college received a grant of ₹15

lakh as seed money for the center's establishment. Additionally, a National Level Faculty Development Program (FDP) on Sericulture: Rearing and Its Applications was successfully organized under his patronage.

5.2.3 Research Excellence

5.2.3.1 Promotion of Faculty Research:

Under his leadership, the number of faculty members at ANDC registered as supervisors with the University of Delhi grew to 34. In this year, 9 Associate Professors were promoted to Professors, reflecting his commitment to enhancing academic and research capabilities.

5.2.3.2 Research Infrastructure Development:

Prof. Toteja oversaw the inauguration of multiple research labs:

- ◆ Computational and Synthetic Chemistry Lab
- ◆ Device Modelling and Simulation Lab
- ◆ Thalassemia and Cancer Screening Lab
- ◆ Advanced Chemistry Research Lab
- ◆ Mathematics Research Centre.

5.2.3.3 PMRF and Value-Added Programs:

He initiated collaborations with the PMRFs from IIT Delhi, Jamia Millia Islamia University and University of Delhi South Campus to organize value addition courses, workshops, and projects for undergraduate students, significantly enhancing their academic exposure.

5.2.4 DBT STAR College Scheme and International Conferences

5.2.4.1 DBT STAR College Scheme:

As Coordinator, Prof. Toteja led over 100 workshops, seminars, and outreach activities, enhancing the college's contributions to scientific learning and research. (Refer section 6.2 for activities organized under the scheme)

5.2.4.2 International Conferences:

Under his guidance, the college organized several international conferences and symposia, including:

- ◆ 8th International Conference on Indian Network for Soil Contamination Research (INSCR), funded by DBT, DST, INSA, FEMs, and ISME (April 2024).

- ◆ 4th International Symposium on Ciliate Biology (ISCB 2024) (April 2024).
- ◆ Co-Patron of the International Conference on Chemical and Biological Sciences (ICCBS-2024), in collaboration with multiple international institutions.

5.2.4.3 Representation at National Forums:

Prof. Toteja represented the college at the Task Force meeting of the Department of Biotechnology (DBT) in Coimbatore, showcasing the success stories of DBT-funded projects.

5.2.5 Academic and Administrative Leadership

- ◆ **Institutional Leadership Roles:** Prof. Toteja is the chairperson of key committees, including the Institutional Biosafety Committee, Animal Ethics Committee, and Internal Quality Assurance Cell (IQAC). His leadership has fostered a culture of compliance, ethics, and academic rigor at the college.
- ◆ **Research and Publications:** He has reviewed research articles for reputed academic journals and has contributed research articles in peer-reviewed publications. He is currently supervising four Ph.D. students and has guided numerous postgraduate students for their dissertations.
- ◆ **DST SERB Research Project:** As Co-PI, he is leading a DST SERB research project titled “DNA Barcoding for Ciliate Species Identification in Delhi, India”.

5.2.6 Professional Affiliations

Prof. Ravi Toteja is an active member of several professional bodies, including:

- ◆ Indian Society of Parasitology
- ◆ Association of Teachers in Biological Sciences (ATBS)
- ◆ Indian Network for Soil Contamination Research (INSCR)

5.3 CONTRIBUTION OF FACULTY TO SCHOOL/COLLEGE EDUCATION

5.3.1 Books/Chapters (in Educational Books) Published

ANNEXURE-I

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

S.No.	Faculty (Department) & e-Content
1	<p>Prof. Charu Khosla Gupta (Botany)</p> <ul style="list-style-type: none"> Fertilization (Part II) https://youtu.be/31cB80GwbD8?si=6TCICnB_A7adbj6q July 30, 2024 Fertilization (Part I) https://youtu.be/j4TLYmCzbzU?si=Qlwm1LsU1hVtucs4 July 30, 2024 Pollination (Part IV) https://youtu.be/HcTo6Ra1R6s?si=-clk_uqqg6MFD3cw June 27, 2024 Pollination (Part III) https://youtu.be/ASND30DGN-k?si=GmwzFxDUJA4xsm5D June 27, 2024 Pollination (Part II) https://youtu.be/90QoJFWiCkI?si=dljn4JCph6sjG2kM May 22, 2024 Pollination (Part I) https://youtu.be/qPpIAT9J6R4?si=U5tOEGr2Cf0l3H8m May 22, 2024 Different types of Embryo Sac Development in angiosperm https://youtu.be/7w2rj3L_Ri8?si=KHuT8aXi5civ55Lb April 29, 2024 Components of Embryo Sacs in Angiosperms https://youtu.be/RnhUAdE9oV8?si=Bhw2VaZeTze1WVy7 April 29, 2024 The Angiosperm Ovule -2 https://youtu.be/tO6BkiknOXY?si=f6hTsby_m_VSx3PvH March 20, 2024 The Angiosperm Ovule 1- https://youtu.be/_yObK_dVY8c?si=xBketCRQGFitHQil March 20, 2024 Pollen Development -IV https://youtu.be/JYVxN06AV9M?si=zxhn9SA7g_nvY6sB February 27, 2024 Pollen Development - III https://youtu.be/b7EhlygvdYk?si=gHyQLQHt6BQh7k1u February 27, 2024 Pollen Development – 2 https://www.youtube.com/watch?v=MvXc34LBfRg January 29, 2024 Pollen Development – 1 https://www.youtube.com/watch?v=EJNDPwSaK0s January 29, 2024

S.No.	Faculty (Department) & e-Content
	<ul style="list-style-type: none"> Anther- Part II https://youtu.be/3C-sT-zBAF4?si=x3hZ4v6CVg6FZYAC December 27, 2023 Anther- Part I https://youtu.be/vM4VJ2Ay1Ts?si=EXd3mYwz9tuZxQ77 December 27, 2023
2	<p>Prof. Neeti Misra (Chemistry)</p> <p>Thermodynamics and Statistical Thermodynamics for General Physical Chemistry (MCH-013) course, IGNOU, New Delhi, 2024 http://egyankosh.ac.in//handle/123456789/102490</p>
3	<p>Prof. Pankaj Khanna (Chemistry)</p> <ul style="list-style-type: none"> https://khannapankaj.wordpress.com/2024/05/31/infrared-spectroscopy/ May 31, 2024 https://khannapankaj.wordpress.com/2024/05/22/research-paper-writing-some-observations/ May 22, 2024 https://khannapankaj.wordpress.com/2024/03/25/polynuclear-hydrocarbons-ii-anthracene/ March 25, 2024 https://khannapankaj.wordpress.com/2024/03/15/polynuclear-hydrocarbons-naphthalene-anthracene/ March 15, 2024 https://khannapankaj.wordpress.com/2024/02/ February 18, 2024 https://khannapankaj.wordpress.com/2023/09/ September 29, 2023
4	<p>Prof. Surinder Kaur (Commerce)</p> <ul style="list-style-type: none"> Exporting Tally Files https://youtu.be/WSVLpKLkID0?si=ncUJaIOrKOQGM4DB December 16, 2023 Tally Practice Q. 2 https://youtu.be/tVTzVU3HJh0?si=iSXPpIX2GWtaGBMy December 05, 2023 Tally Practice Q. 1 https://youtu.be/yu45KLOH8ZE?si=saYQs3indfqIBFUe November 27, 2023 Departmental Accounting Calculation of Closing Stock, Allocation of common expenses https://youtu.be/AF7DbEm1FJE?si=geZ2Z9VRuHYwRGg https://youtu.be/2mhK0Z3RxLg?si=yrhEpq5P9VoFrl6s December 03, 2023 Departmental Accounting Allocation of common expenses and Preparation of Final Accounts https://youtu.be/ejN3v_xLaxc?si=3ymeKF6EgBIEQclg https://youtu.be/CFBpyEJ2zWE?si=2nEnErnVp7DNbuR- December 03, 2023

S.No.	Faculty (Department) & e-Content
	<ul style="list-style-type: none"> Departmental Accounting Theory https://youtu.be/sRUIzKwLGQo?si=CKw1L_ju5-Y2pHva https://youtu.be/sLpn5OD1UhA?si=q5pzoBCOGL6XTbO8 December 03, 2023
5	Prof. Arijit Chowdhuri (Physics) <ul style="list-style-type: none"> Some Applications of Closed Loop Operational Amplifiers, https://www.youtube.com/watch?v=ghC1MESj58k&list=PLNsppmbLKJ8L5-b3dqLXnhnrn-z3UsAKel&index=25 29 February 2024 Closed Loop Operational Amplifier - I & II, https://www.youtube.com/watch?v=rXzn_nc9znQ&list=PLNsppmbLKJ8L5-b3dqLXnhnrn-z3UsAKel&index=23 30 November 2023 Basics of Operational Amplifier – I & II, https://www.youtube.com/watch?v=W60Bmoa0PX4&list=PLNsppmbLKJ8L5-b3dqLXnhnrn-z3UsAKel&index=21 13 October 2023

5.3.3 Enriching School/College Education

S. No.	Faculty (Department)	Contribution	Duration
1	Dr Archana Pandey Dr Satendra singh Dr Rimpay Kaur Chowhan Dr Ritu Khosla Dr Deepshikha (Biomedical Science)	Resource Person for training faculties in “One-week National Faculty Development Program (Interdisciplinary-Science) on Forensic Chemistry” organized by UGC-MMTTC/GAD-MMTTC, SGTB Khalsa College, University of Delhi in collaboration with University of Delhi (Department of Anthropology and Skills Enhancement Committee); Acharya Narendra Dev College, DU (Department of Biomedical Science) and Forensic Science Unit, SGTB Khalsa College, University of Delhi.	April 22-30, 2024
2	Dr Rimpay Kaur Chowhan (Biomedical Science)	Resource Person for training students on “Data Presentation and Illustration” at the Pre-conference workshop of 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on ‘Art of Scientific Writing and Communication’ organized by Federation of European Microbiological Societies (FEMS) and ANDC.	April 02, 2024
3	Dr Rimpay Kaur Chowhan (Biomedical Science), Prof. Ravi Toteja (Zoology)	Resource Person for training students on “Scientific Art” at one-day Workshop on Scientific Writing and Communication organized by International Society for Microbial Ecology (ISME) and ANDC	February 13, 2024

S. No.	Faculty (Department)	Contribution	Duration
4	Prof. Seema Gupta (Chemistry)	Resource Person for “HBCSE for Orientation Cum Selection Camp (OCSC)” of Indian National Chemistry Olympiad 2024 held at Homi Bhabha Centre for Science Education (HBCSE, TIFR).	April 29-May 10, 2024
5	Prof. Pooja Bhagat, (Chemistry)	Resource person in one week FDP on “Sericulture: Rearing and its Application” organized in collaboration with Skill Enhancement Course Committee, University of Delhi, Department of Zoology, University of Delhi, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, Guru Nanak Angad Dev TLC, SGTB Khalsa College, University of Delhi and Atma Ram Sanatan Dharma College, University of Delhi, under the aegis of DBT Star College and IQAC	August 08-14, 2023
6	Prof. Manish Jain (Chemistry)	Resource person for the session “Preparation of Solutions” in a five day training workshop on Laboratory Program organized by Sri Venkateswara College, University of Delhi	January 18, 2024
7	Prof. Amit Garg (Electronics)	Resource person for “Workshop on Introduction to RTI ACT@2005” organized by ANDC	April 12, 2024
8	Dr Joita Dhar Rakshit (English)	Resource person for the hands-on workshop – “Basic Language Skills” organized by ANDC, under the aegis of DBT Star College Scheme and IQAC	August 7-11, 2023
9	Prof. Sarita Kumar (Zoology)	Resource person in the workshop on “Developing textbooks in Science for Classes 6 and 9” held at DESM, NCERT NIE Campus, New Delhi	January 29 – February 2, 2024; January 15-19, 2024
		Took classes for the students pursuing M.Sc. Public Health Entomology (PHE) course, Academic Session 2023-2025, at ICMR-RMRC, Dibrugarh, Assam - MPHE-204 “Control of Vectors of Public Health Importance”.	October - November, 2023
		Resource person in the workshop on “Modification and Development of Biology and Biotechnology Laboratory”, held at DESM, NCERT NIE Campus, New Delhi	October 9-13, 2023; July 24-28, 2023

5.4 Awards/ Honors

S. No.	Awardees' Name (Department)	Name of the Award/Honor	Awarded/ Honored by	Awarded on Date
1	Prof. Sunita Hooda (Chemistry)	Best of The Year 2023 Award	Commission for Other Backward Classes, Govt. of NCT of Delhi	December 17, 2023
2	Prof. Sunita Hooda Prof. Geetu Gambhir (Chemistry)	Teachers' Excellence Award 2023	Commission for Other Backward Classes, Govt. of NCT of Delhi	September 02, 2023
3	Prof. Sandeep Kumar Goel (Commerce)	Best Paper Award for Paper Presentation on "Empowering Women Entrepreneurs: The transformative role of mentorship"	University of Delhi during Two-day National Seminar on "Women in Decision Making Roles in Corporates", organized by Non-Collegiate Women's Education Board, University of Delhi, in collaboration with National Commission for Women.	November 02-03, 2024
4	Prof. Mamta Bhatia (Physics)	Visiting Scholar	Physics Department, Purdue University, U.S	October 01, 2023 - March 31, 2024

5.5 SESSION CHAIR/CO-CHAIR

S. No.	Faculty (Department)	Session Chair/ Co-chair	Details of the event	Date
1	Prof. Urmi Bajpai (Biomedical Science)	Session Chair on "Role of Industries, Start-ups in Developing novel interventions to tackle AMR" at	National Conference on Antimicrobial Resistance (AMR): Research Priorities & Action Plan. Organized by Research and Development Cell (RDC) Swami Rama Himalayan University, Dehradun, Uttarakhand.	April 05-06, 2024

S. No.	Faculty (Department)	Session Chair/ Co-chair	Details of the event	Date
2	Prof. Urmil Bajpai (Biomedical Science)	Session Co-chair for "Phage and Phage Therapy"	VIROCON 2023 conference 'Advancements in Global Virus Research Towards One Health' organized by ICAR-National Research Centre for Banana, Tiruchirappalli, Tamil Nadu and Indian Virological Society (IVS), New Delhi in Tiruchirappalli.	December 01-03, 2023
3	Dr Rimpay Kaur Chowhan Dr Ritu Khosla (Biomedical Science)	Session Co-chair	International Conference of Indian Network for Soil Contamination Research (INSCR-2024)	April 04, 2024
4	Prof. Charu Khosla Gupta (Botany)	Session Chair, Evaluation Panel Member	10th International Conference on Education 2024 (ICEDU-2023), held in Colombo, Sri Lanka	May 2-4, 2024
		Scientific Committee Member	6th International conference on Future of Education, 2023 held at Kuala Lumpur, Malaysia	July 6-7, 2023
5	Prof. Sunita Hooda (Chemistry)	Chairperson for an online session of Oral Presentation	International conference on "Integrative Chemical Science for Health & Environment - 2023", New Delhi, India, organized by Deshbandhu College in Association with Indian Association of Solid State Chemist and Allied Scientist, Augusta University, USA, Indian Society of Chemist & Biologist.	October 6-8, 2023
6	Prof. Pooja Bhagat (Chemistry)	Chairperson for the session on 'Women in Science'	The 8th International Conference of INSCR (Indian Network for Soil Contamination Research) and 4th International Symposium on Ciliate Biology	April 05, 2024

S. No.	Faculty (Department)	Session Chair/ Co-chair	Details of the event	Date
			The 8th International Conference of INSCR (Indian Network for Soil Contamination Research) and 4th International Symposium on Ciliate Biology	April 04, 2024
7	Prof. Pankaj Khanna (Chemistry)	Session Chair	International Conference on 'Chemical and Biological Sciences (ICCBS)' Atma Ram Sanatan Dharma College, University of Delhi	January 27-29, 2024
		Session Chair and Advisory Board Member	International Conference on "Integrative Chemical Science for Health & Environment- 2023", organized by Deshbandhu College, University of Delhi, in association with Augusta University (USA), the Indian Society of Chemists & Biologists (ISCB) and the Indian Association of Solid-State Chemists and Allied Scientists (ISCAS)	October 06-08, 2023
8	Prof. Shalu Mahajan (Commerce)	Session Chair in International E-Conference	Shri Kumarswami mahavidyalya, Ausa, Dist. Latur, Maharashtra, India	December 22, 2023
9	Prof. Arijit Chowdhuri (Physics)	Session Chair, Evaluation Panel Member	10th International Conference on Education 2024 (ICEDU-2023), organized by the International Institute of Knowledge Management and held in Colombo, Sri Lanka	May 2-4, 2024
		Scientific Committee Member	6th International conference on Future of Education, 2023 organized by the International Institute of Knowledge Management and held at Kaula Lumpur, Malaysia	July 6-7, 2023

S. No.	Faculty (Department)	Session Chair/ Co-chair	Details of the event	Date
10	Dr Sanjay Kumar Dr Satya Prakash Yadav Dr Dinesh Kumar Verma (Physics)	Session Chair	Hands-On Workshop on Arduino Microcontrollers and PCB designing organized by Department of Physics, Department of Computer Science, and IQAC at ANDC	March 18-22, 2024
11	Prof. Seema Makhija (Zoology)	Organizing Secretary	8th International Conference, Indian Network for Soil Contamination Research (INSCR) On Exploring the Microbial World From Human Health to Environmental Sustainability and 4th International Symposium on Ciliate Biology organized at Convention Centre, University of Delhi	April 02-05, 2024
		Session Chair and Conference Coordinator	International Conference on 'Chemical and Biological Sciences (ICCBS)' Atma Ram Sanatan Dharma College, University of Delhi	January 27-29, 2024

5.6 Invited Talks

S.No.	Faculty (Department)	Details
1	Prof. Urmi Bajpai (Biomedical Science)	<ul style="list-style-type: none"> Talk title: "Bacteriophage Power: Viruses as allies in combating Antibiotic Resistance" at National Conference on Antimicrobial Resistance (AMR): Research Priorities & Action Plan. Organized by Research and Development Cell (RDC) Swami Rama Himalayan University, Dehradun, Uttarakhand. April 05-06, 2024 "Coevolutionary Dynamics of Microbes, Climate Change and AMR". 8th International Conference of Indian Network for Soil Contamination Research (INSCR) & 4th International Symposium on Ciliate Biology on "Exploring the Microbial World: Human Health and Environmental Sustainability" at Convention Centre, University of Delhi. April 04, 2024.

S.No.	Faculty (Department)	Details
	Prof. Urmi Bajpai (Biomedical Science)	<ul style="list-style-type: none"> • “AMR crisis and the way forward” At the 3rd International Conference on “Antimicrobial Resistance, Novel Drug Discovery and Vaccine Development: Challenges and Opportunities” being organized by SRM University Delhi-NCR on March 18 – 20, 2024 at India Habitat Centre, New Delhi. • Panelist in “Drug discovery and repurposing” theme at the BioInsight Forum, organized by BioSoc-DTU during Invictus '24, the Annual Techfest of Delhi Technological University. February 09, 2024 at the Pragyan Hall, Delhi Technological University, ShahbadDaulatpur, Main Bawana Road, Delhi-110042 • “Bacteriophages in the pre-and post-antibiotic era” In the Luminaries Lecture Series” organized by the Department of Biotechnology, School of Engineering and Technology, School of Engineering and Technology, Manav Rachna International Institute of Research and Studies. February 01, 2024. • Lead Speaker in the session on Phage and Phage Therapy. “Investigating structural & functional diversity of mycobacteriophage endolysins: a promising avenue to combat AMR” at the VIROCON 2023 conference ‘Advancements in Global Virus Research Towards One Health’ organized by ICAR-National Research Centre for Banana, Tiruchirappalli, Tamil Nadu and Indian Virological Society (IVS), New Delhi in Tiruchirappalli, during December 01-03,2023. • “Mycobacteriophage Endolysins: Diversity in Domain Architecture and Function” in the Annual Amrita Legion for Antimicrobial Resistance Management (ALARM) two-day hybrid International Conference on “Preventing Antimicrobial Resistance Together”. At Amrita School of Biotechnology, Amritapuri Campus, Amrita University, Kollam, Kerela. November 17-18, 2023. • “Current scenario of AMR and Bacteriophage Therapy from Global Perspectives” in a Workshop entitled “Basics of Bacteriophage Biology & Clinical Applications to Combat the Emerging Antimicrobial Resistance: A Hands-on Training. At the Institute of Medical Sciences, Banaras Hindu University, Varanasi. October 03-07, 2023.

S.No.	Faculty (Department)	Details
2	Dr Sunita Jetly (Biomedical Science)	<ul style="list-style-type: none"> Delivered talk on “Cancer Prevention”, Jan Jagriti Foundation, Noida, community centre, Jal Vayu Vihar Noida. September 23, 2023 Delivered talk on “Holistic Health” invited by mera Sahar on the occasion of Pre Independence Celebrations Day, joint women programme, A276, sector 31, Noida, UP. August 14, 2023.
3	Dr Anita Narang (Botany)	Seasonal variation in browning and contamination of <i>Acacia nilotica</i> nodal explants. In: Joint Conference of 5th International Conference on Biosciences and Medical Engineering 2023 (ICBME 2023) & the 2nd International Conference on Innovative Agricultural Technology (ICIAT 2023), Bali, Indonesia, 30th August 2023, organized by Udayana University
4	Dr Vineet Kumar Singh (Botany)	Invited talk on Moriculture: Morphology, Diseases and Pest of Mulberry and its control, in One-Week National, Faculty Development Programme, SERICULTURE: REARING AND ITS APPLICATION. August 8-14, 2023, Organized by Acharya Narendra Dev College
5	Prof. Shallu Sachdeva (Chemistry)	Invited as Speaker for round table discussion at EduNext Summit on November 28, 2023 organized by Elets Technomedia in association with Microsoft, India
6	Prof Pankaj Khanna (Chemistry)	Invited Talk on the topic 'Umpolung and Retrosynthesis: A perspective' for the students of Amity Institute of Applied Sciences, on March 11, 2024.
7	Dr Sunita Narang (Computer Science)	A Webinar on Youth Empowerment in Digital Age: Embrace Change, Transform Future on 22 Nov. 2023 for the students of Maharaja Surajmal College, Guru Gobind Singh IP University.
8	Dr Sunita Narang (Computer Science) Dr Shalu Mahajan (Commerce)	A Seminar on EmpowerYouth: Navigating India's Digital Ecosystem on 26 Oct. 2023 for the students of Indus Valley School, Noida.
9	Dr Shalu Mahajan (Commerce)	Webinar on Youth Empowerment in Digital Age: Embrace Change, Transform Future organized by Maharaja Surajmal Institute Of Technology, GGSIP University on November 22, 2023
10	Prof. Amit Garg (Electronics)	Invited talk on 'Startups in Sericulture' in Skill Development Program- Economic Importance and Management of Beneficial Insects organized on March 2, 2024 by the Department of Zoology, Daulat Ram College, University of Delhi

S.No.	Faculty (Department)	Details
11	Prof. Arijit Chowdhuri (Physics)	Invited talk on 'Highly efficient low temperature operated NO ₂ gas sensors at 2nd International Conference on Recent Trends in Materials Science & Devices 2023 (ICRTMD – 2023)' held during December 29-31, 2023 organized by Research Plateau Publishers in association with Sat Kabir Institute of Technology & Management, Bahadurgarh, Haryana, INDIA.
12	Dr. Sarita Agarwal (Mathematics)	Invited talk on 'A Study of Fluctuation in the Stock Market' in the International Conference on Mathematics and Application, organized by Mata Sundri College for Women held during January 10-12, 2024
13	Prof. Arijit Chowdhuri (Physics)	Invited talk on 'Highly efficient low temperature operated NO ₂ gas sensors at 2nd International Conference on Recent Trends in Materials Science & Devices 2023 (ICRTMD – 2023)' held during December 29-31, 2023 organized by Research Plateau Publishers in association with Sat Kabir Institute of Technology & Management, Bahadurgarh, Haryana, INDIA.
14	Prof. Sarita Kumar (Zoology)	Invited Talk titled 'Silkworm Pests and Diseases' during Faculty Development Program on ' <i>Sericulture Rearing and its Application</i> ' AND College, 9 August, 2023.
15	Prof. Seema Makhija (Zoology)	<ul style="list-style-type: none"> Delivered an invited talk on Ecotoxicological Risk Assessment of Heavy metals in Ciliates by using Cellular, Molecular and Bioinformatics Approaches in 4th International Conference on Recent Trends in Life Sciences and Biotechnology organized by International Association of Zoologists, Siddhi Artha Group of Education in collaboration with Department of Biosciences and Technology, Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala and Sharda Institute of Science Technology Education & Research from December 12-14, 2023 Delivered an invited talk on 'Mastering the Craft: A Comprehensive Guide to Writing Your Dissertation / Thesis' in G.D. Goenka University, Gurugram on April 09, 2024.
16	Dr. Monica Misra (Zoology)	Delivered talk on the topic : "Nari Shakti" during the Neighborhood Youth Parliament event organized by Unnat Bharat Abhiyaan, Deshbandhu College on March 8, 2024

5.7 Conferences, Workshops, Training Programmes Organized

S.No.	Faculty (Department)	Details
1	Prof. Urmi Bajpai (Biomedical Science)	<ul style="list-style-type: none"> Organized a series of webinars during “World Antibiotic Awareness Week (WAAW 2023)” in association with The International Bacteriophage Research Consortium (IBRC) & Open Source Pharma Foundation (OSPF) and the Indian Society for Bacteriophage Research and Therapy (SBRT), from November 23-December 22, 2023. Co-organized the online workshop entitled “Genome Analysis of Bacteriophage for Clinical Applications” in association with International Bacteriophage Research Consortium (IBRC), Society for Bacteriophage Research and Therapy (SBRT), Open-Source Pharma Foundation (OSPF), Mahatma Gandhi University, Kottayam and Kerala Higher Education Research Network (KHERN) from October 25 - November 7, 2023.
2	Dr Sunita Jetly Dr Archana Pandey Dr Satendra Singh Dr Rimpay Kaur Chowhan Dr Ritu Khosla Dr Deepshikha (Biomedical Science) Prof. Charu Khosla Gupta Dr. Anupama Shukla Dr Anita Narang Dr Geetika Kalra Dr Rashmi Sharma Dr Vineet Kumar Singh (Joint Secretary) Dr Anita Thakur (Botany) Prof. Sunita Hooda Prof. Seema Gupta Prof. Pooja Bhagat (Organizing Secretary)	Organized “8th International Conference of INSCR (Indian Network for Soil Contamination Research) and 4th International Symposium on Ciliate Biology” in collaboration with Indian Network for Soil Contamination Research (INSCR) and phiXgen Pvt. Ltd. from April 03-05, 2024 at the Conference Centre, UoD, Delhi, India.

S.No.	Faculty (Department)	Details
	Prof. Geeetu Gambhir Dr Pragati Malik Dr Kavita Mittal (Chemistry) Mr Abhay Pratap Singh (Environmental Science) Prof. Ravi Toteja (Conference Vice-Chair) Prof. Seema Makhija (Organizing Secretary) Mr Ravinder Kumar Sagar Dr Aparna Sharma Dr Rahul Dev (Joint Secretary) Dr Neelgagan Singh Dr Shrankhla (Zoology)	
3	Dr Sunita Jetly (Biomedical Science)	<ul style="list-style-type: none"> Organized “Free Cancer Awareness Program” at various locations of Delhi & Uttar Pradesh, including: <ol style="list-style-type: none"> Jal Vayu Vihar, Sector 2, Noida (September 23, 2023) Luxmi Narayan Mandir Sector 56, Noida (August 06, 2023) R.C. Residency Sector 120, NOIDA (July 15, 2023) Institute of Chartered Accountants, C56,/9A Sector 62, NOIDA (July 01, 2023) Organized “Thalassemia Awareness Program” at various locations of Delhi & Uttar Pradesh, including: <ol style="list-style-type: none"> Luxmi Narayan Mandir, Sector 56, Noida (September 17, 2023)
4	Dr Archna Pandey Dr Rimpay Kaur Chowhan (Biomedical Science)	Member of the Organizing Committee for “NEP 2020 Orientation & Sensitization Programme” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by UGC-MMTTC (GAD-MMTTC), Sri Guru Tegh Bahadur Khalsa College, University of Delhi from May 14-24, 2024.

S.No.	Faculty (Department)	Details
5	Dr Archna Pandey (Convenor) Dr Satendra Singh Dr Rimpay Kaur Chowhan Dr Ritu Khosla Dr Deepshikha (Biomedical Science) Prof. Geetu Gambhir Prof. Sunita Hooda (Chemistry)	Organized “One-week National Faculty Development Program (Interdisciplinary-Science) on Forensic Chemistry” in collaboration with UGC-MMTTC/ GAD-MMTTC, SGTB Khalsa College; Department of Anthropology; Skills Enhancement Committee; and Forensic Science Unit, SGTB Khalsa College, University of Delhi from April 22-30, 2024
6	Dr Archna Pandey (Biomedical Science) Prof. Geetu Gambhir (Chemistry) Prof. Ravi Toteja (Zoology)	Organized “One-week National Faculty Development Program (Interdisciplinary-Science) on Forensic Science” in collaboration with UGC-MMTTC/GAD-MMTTC, SGTB Khalsa College; Department of Anthropology; Skills Enhancement Committee and Forensic Science Unit, SGTB Khalsa College, University of Delhi from April 06-18, 2024
7	Dr Archna Pandey (Convenor) Dr Satendra Singh Dr Rimpay Kaur Chowhan Dr Ritu Khosla Dr Deepshikha (Biomedical Science)	<ul style="list-style-type: none"> Organized a workshop on “Graphical Abstract and Career in Publishing” under the aegis of DBT Star College Scheme and IQAC on March 08, 2024 in the Department of Biomedical Science at ANDC, University of Delhi. Organized the following events as part of the annual fest of the Department of Biomedical Science- Cathexis'24 - at ANDC from February 13-15, 2024 <ul style="list-style-type: none"> ◇ A workshop on “On-site Monitoring of Heavy Metal Contaminated Drinking Water Using a Handheld LD Nova Luminometer” and an online lecture entitled ‘Recent Trends in Bioluminescence Research and Their Implications’ by Mr. Ivan Denisov ◇ Forensic’s Fair ◇ A talk entitled “Union of Mind and Body” by Dr. Archana Tayal ◇ An “Intercollege hands-on Workshop on Foldscape” - Reosurceperson: Prof. Uma Chaudhry, BCAS, University of Delhi

S.No.	Faculty (Department)	Details
8	Dr Archna Pandey Dr Satendra Singh Dr Rimpay Kaur Chowhan Dr Ritu Khosla Dr Deepshikha (Department of Biomedical Science) Dr Rashmi Sharma (Convenor) Dr Anita Thakur Dr Vineet Kumar Singh Dr Anita Thakur (Botany) Prof. Pooja Bhagat (Convenor) (Chemistry) Prof. Ravi Toteja (Patron) Prof. Seema Makhija (Convenor) Dr Rahul Dev Dr Shrankhla Dr Neelgagan Singh (Zoology)	Organized one-day workshop on “Scientific-Writing and Communication” under the aegis of DBT Star College Scheme and IQAC on February 13, 2024 at ANDC.
9	Dr Archna Pandey (Coordinator) Dr Deepshikha (Biomedical Science) Dr Rashmi Sharma Dr Sumit Sahni Dr Vineet Kumar Singh (Coordinator) (Botany) Prof. Sunita Hooda Prof. Pooja Bhagat Prof. Geetu Gambhir (Chemistry)	Organized a talk entitled “Quality Control of Variant Peptides in Proteogenomics-Catching the (Un)Usual Suspects” by Dr. Debasis Dash held on July 04, 2023 at ANDC, under the aegis of IQAC and DBT Star College Scheme.

S.No.	Faculty (Department)	Details
	Prof. Chandra Kant Samal (Computer Science) Dr Ravneet Kaur (Electronics) Prof. Arijit Chowdhuri (Physics) Prof. Seema Makhija (Coordinator) Dr Rahul Dev (Zoology)	
10	Dr Rimpay Kaur Chowhan Dr Deepshikha (Biomedical Science) Prof. Ravi Toteja Prof. Seema Makhija (Zoology)	Organized the pre-conference workshop of INSCR 2024 on “Art of Scientific Writing and Communication” held on April 02, 2024 at ANDC, under the aegis of IQAC and DBT Star College Scheme.
11	Dr Ritu Khosla (Biomedical Science)	Member of the organizing team for “One-Month Online National Faculty Induction Programme (Guru Dakshata)” organized by UGC-MMTTC/GAD-MMTTC, SGTB Khalsa College, University of Delhi from May 13-June 08, 2024.
12	Dr Deepshikha (Biomedical Science) Prof. Ravi Toteja Prof. Seema Makhija (Zoology)	<ul style="list-style-type: none"> Organized the pre-conference workshop of INSCR 2024 on “Genomics, Metagenomics and Bioinformatics in Microbial Ecology” held on April 02, 2024 at ANDC, under the aegis of IQAC and DBT Star College. Organized the INSCR-2024 Plenary Lecture entitled “The Power of Microbes and a Sustainable Planet” by Prof. Rino Rappouli held on April 02, 2024 at ANDC, under the aegis of IQAC and DBT Star College.

S.No.	Faculty (Department)	Details
13	Prof. Charu Khosla Gupta Dr Anupama Shukla Dr Anita Narang Dr Yasheshwar Dr Geetika Kalra (Convenor) Dr Rashmi Sharma Dr Mandeep Kaur Dr Anita Thakur Dr Vineet Kumar Singh (Botany)	Organized a One-day workshop on Ayurveda and Nutrition entitled "Prakriti an important tool for health and disease" held on November 30, 2023 at ANDC, under the aegis of IQAC and DBT Star College.
14	Prof. Charu Khosla Gupta (Convenor) Dr Anupama Shukla Dr Anita Narang Dr Yaheshwar Dr Geetika Kalra Dr Rashmi Sharma Dr Mandeep Kaur Dr Anita Thakur Dr Vineet Kumar Singh (Botany)	Organized a "National Symposium and a Hands-on Workshop on Ecosystem Restoration and Sustainability" from February 22-23, 2024 at ANDC, under the aegis of IQAC and DBT Star College.
15	Dr Anita Narang (Botany)	Organized a talk on "Climate change and disaster management" by Mr Kunal Satyarthi, Joint-Secretary, National Disaster Management Authority, MHA, Govt. Of India, held on October 13, 2023 at ANDC, under the aegis of IQAC and DBT Star College.
16	Dr Rashmi Sharma (Botany)	Co-Organized "National Workshop on Biological Data Analysis" from January 27-31, 2024 at ANDC, under the aegis of IQAC and DBT Star College Scheme

S.No.	Faculty (Department)	Details
17	Dr Sumit Sahni Dr Vineet Kumar Singh (Botany) Prof. Pooja Bhagat Prof. Geetu Gambhir (Coordinator) (Chemistry) Mr Abhay Pratap Singh (Environmental Science) Prof. Seema Makhija (Coordinator) Dr Aparna Sharma Dr Sweety Shrimali (Zoology)	Organized one-week National Faculty Development Programme "SERICULTURE: REARING AND ITS APPLICATION" held from August 8-14, 2023 at ANDC, under the aegis of IQAC and DBT Star College Scheme
18	Dr Vineet Kumar Singh (Botany) Prof. Sharanjit Kaur Ms. Nishu Singh (Computer Science) Prof. Seema Makhija (Zoology)	Organized "One-week Bootcamp 2.1 for V-Lab Development" held from March 11-15, 2024 at ANDC, under the aegis of IQAC and DBT Star College Scheme
19	Prof. Pooja Bhagat (Chemistry)	Organized workshop on "Introduction of RTI ACT@2005" on April 12, 2024 at ANDC, under the aegis of DBT Star College and IQAC.
20	Prof. Pooja Bhagat (Chemistry) Dr. Joita Dhar Rakshit (English)	Organized a Hands-on Workshop for college students on "Basic Language Skills" held from August 07-11, 2023 at ANDC, under the aegis of DBT Star College and IQAC.
21	Prof. Pooja Bhagat (Chemistry) Prof. Seema Makhija (Zoology)	<ul style="list-style-type: none"> Organized a workshop on "Exploring the Fundamentals of Scifinder" on March 14, 2024 at ANDC, under the aegis of DBT Star College and IQAC. Organized an e-workshop on "Learning the Basics of ChemDraw Software" on February 18, 2024, under aegis of DBT Star College and IQAC.

S.No.	Faculty (Department)	Details
	Prof. Pooja Bhagat (Chemistry) Prof. Seema Makhija (Zoology)	<ul style="list-style-type: none"> Member of the organizing committee for the “International Conference on Chemical and Biological Sciences (ICCBS-2024)” organized online by the Department of Chemistry, Atma Ram Sanatan Dharma College (University of Delhi) under the aegis of Internal Quality Assurance Cell (IQAC), in association with Kwangwoon University (South Korea), North-West University (South Africa), Acharya Narendra Dev College (University of Delhi) and SRM Institute of Science & Technology (Ghaziabad) from January 27 to 29, 2024 Organized a 40 hours certificate course on “Practical Training in Research Methodologies” for college students by PMRF of IIT-Delhi from January 05, 2023 - June 17, 2023.
22	Prof. Rashmi Thukral (Chemistry)	Organized a workshop for Undergraduate students on “Safer and Greener Chemistry Labs” on October 16, 2023 at ANDC, under the aegis of DBT Star College and IQAC.
23	Dr Kavita Mittal (Chemistry)	Organised a one-day Hands-on workshop for undergraduate students on “Herbal Cosmetics Formulation” on October 09, 2023 at ANDC, under the aegis of DBT Star College and IQAC.
24	Prof. Surinder Kaur (Commerce)	<ul style="list-style-type: none"> Organised a workshop on “Aptitude Building for CAT and other Managerial Entrance Exams” on October 05, 2023 at ANDC Organised a workshop on “Unpacking Thoughts and Emotions: Psychology Edition” on February 08, 2024 at ANDC
25	Prof. Sandeep Kumar Goel (Convenor) Dr Jitender Goel (Commerce) Dr Sada Nand Prasad (Mathematics)	Organized an Interactive Session held on October 9, 2023 on “Ganita Vs Mathematics”, organized by IQAC of Acharya Narendra Dev College, University of Delhi in collaboration with Youth4nation & Draupadi Dream Trust, New Delhi.

S.No.	Faculty (Department)	Details
26	Prof. Sandeep Kumar Goel (Commerce)	<ul style="list-style-type: none"> Member, Organizing Committee, 74th All India Commerce Conference 2023 of the Indian Commerce Association on “One Earth, One Family, One Future”, Department of Commerce, Faculty of Commerce & Business, Delhi School of Economics, University of Delhi in association with O. P. Jindal Global University, Sonipat, December 13-15, 2023. Convenor, YES+ Workshop, HarGharDhyan, Acharya Narendra Dev College under the aegis of IQAC and in collaboration with The Art of Living, October 31-November 3, 2023.
		<ul style="list-style-type: none"> Member, Organizing Committee, 74th All India Commerce Conference 2023 of the Indian Commerce Association on “One Earth, One Family, One Future”, Department of Commerce, Faculty of Commerce & Business, Delhi School of Economics, University of Delhi in association with O. P. Jindal Global University, Sonipat, December 13-15, 2023. Convenor, YES+ Workshop, HarGharDhyan, Acharya Narendra Dev College under the aegis of IQAC and in collaboration with The Art of Living, October 31-November 3, 2023. Member, Organizing Committee, Startup Conclave, Udhmodya Foundation, University of Delhi and Samarth Bharat, October 26-27, 2023. Convenor, Seminar on Exploring the Power of Breath and Mind “Know Your Mind”, exclusively for Students of ANDC, HarGharDhyan, Acharya Narendra Dev College under the aegis of IQAC and in collaboration with The Art of Living, October 16-17, 2023. Convenor, Seminar on Exploring the Power of Breath and Mind “Know Your Mind”, exclusively for Teaching and Non-Teaching Staff of ANDC, HarGharDhyan, Acharya Narendra Dev College under the aegis of IQAC and in collaboration with The Art of Living, July 19, 2023.
27	Dr Shalu Mahajan (Commerce) Dr Sunita Narang (Computer Science)	<p>Organized</p> <ul style="list-style-type: none"> A Seminar on “RiseYouth: Navigate & Innovate the Digital Contour” on 31 October 31, 2023 for students of ANDC. A Talk on “Cyber security Awareness” on October 31, 2023 by Dr. Mohit Soni, Founder and CEO, WhiteLint Global Pvt. Ltd. for students of ANDC. A Webinar on “Navigating the digital frontiers: Empowering students for academic success and digital well-being” on 4 October 04, 2023 for students of ANDC.

S.No.	Faculty (Department)	Details
28	Prof. Sharanjit Kaur (Computer Science)	Organized a “Data Science Project Exhibition” on February 29, 2024 in collaboration with Internal Quality Assurance cell under the aegis of DBT Star College Scheme 2023-24 at ANDC.
29	Dr Sunita Narang Dr Preeti Marwaha (Computer Science)	Organized Round 1 and Round 2 (January 30, 2024) of “Dark Pattern Buster Hackathon”, a national level competition, jointly organized by Acharya Narendra Dev College and IIT BHU, Varanasi.
30	Dr Sunita Narang (Computer Science)	Organized a webinar on “How to keep lungs healthy despite pollution” on August 25, 2023 by Dr. Navneet Sood, Senior Consultant in Pulmonology, Dharamshila Narayana Hospital for students and teachers of ANDC.
31	Dr. Preeti Marwaha (Computer Science)	Co-convenor for “Digital Empowerment among students, Navigating the Digital Frontier and Cyber security Awareness” on September 21, 2023. Organized the following events <ul style="list-style-type: none"> • Talk on “Navigating the Digital Frontier and Cyber security Awareness” by Dr. Mohit Soni, CEO WhiteLint on October 31, 2024 • “Hands-on Experience on Blockchain” by Dr. Ihtiram Raza Khan on March 05, 2024 • “Quantum Computing and Cyber securities: A new Era of Challenges” by Dr. Nihar Ranjan Roy on March 16, 2024 • One day workshop on “IoT and cloud Computing” by Dr Nikhil Rajput on February 29, 2024
32	Prof. Chandra Kanta Samal Ms. Nishu Singh (Computer Science)	Organized the following events A technical online talk - “Data Drive: Surfing the waves of AI Innovation” on February 25, 2024 in collaboration with IQAC under the aegis of DBT Star College Scheme at ANDC. One Day workshop on “IOT and Cloud Computing” on February 29, 2024 Hands-on Workshop on “Experience in Blockchain” organized on March 05, 2024 by the Department of Computer Science in collaboration with IQAC under the aegis of DBT Star College Scheme at ANDC. A technical online talk on the topic of “Use of Machine Learning In Video Streaming” on March 17, 2024 in collaboration with the IQAC under the aegis of DBT Star College Scheme at ANDC. A technical online talk on the topic of “Developing an Excellent Research Paper while adhering to Original Research and Publication Ethics” on March 22, 2024 in collaboration with IQAC under the aegis of DBT Star College Scheme at ANDC.

S.No.	Faculty (Department)	Details
33	Prof.Chandra Kanta Samal (Computer Science) Prof. Arijit Chowdhary (Physics)	Organized a Hands-on Workshop on “Arduino Microcontrollers and PCB Designing” organized on March 18-22, 2024 by the Department of Physics, Department of Computer Science and IQAC under the aegis of DBT Star College Scheme at ANDC.
34	Dr Sarita Agarwal (Mathematics)	Organized online workshop on GPS map Camera on September 28, 2023 at 8:30 pm. The Speaker was Mr. Sandeep Gupta, a student of B.Sc. (H) Biomedical Science, II year. Eco-warriors also attended the session and it was chaired by Mr. Dev Pravin Rathod, a student of B.Sc. (H) Biomedical Science, II year
35	Prof. Arijit Chowdhuri (Physics)	Coordinator for Popular Talk by Prof. Dhananjay V. Gadre, “Tinkering for Physics” organized on March 21, 2024 at ANDC.
36	Dr Satya Prakash Yadav (Physics)	<ul style="list-style-type: none"> Co-convenor for कार्यशाला: केंद्र सरकार की राजभाषा नीति एवं मानक शब्दावली (29/09/2023) Co-convenor for एक दिवसीय कार्यशाला: हिंदी ई-टूल्स का प्रयोग (28/05/2024)
37	Prof. Sarita Kumar (Zoology)	<p>Organized the following events</p> <ul style="list-style-type: none"> Training on ‘<i>Mosquito rearing</i>’ organized for students of Dyal Singh, June 24, 2024 Training on ‘<i>Mosquito rearing and mosquito-borne diseases</i>’ organized for students of Sri Venkateswara College, March 21, 2024 Training on ‘<i>Mosquito rearing and mosquito-borne diseases</i>’ organized for students pursuing M.Sc. in Public Health Entomology (MPHE) course at ICMR-RMRC, Dibrugarh, Assam, Nov 24, 2024 Training on ‘<i>Mosquito rearing</i>’ organized for students of Dyal Singh, June 24, 2024 National Workshop in collaboration with Environmental Pollution Laboratory (EPL), Department of Environmental Studies, University of Delhi, sponsored by Department of Science and Technology (DST), Government of India. The workshop titled ‘Raising Awareness on Urban Air Quality, Climate Change, Health and e-Resilience’ was held on November 28, 2023.

S.No.	Faculty (Department)	Details
38	Prof. Seema Makhija (Zoology)	<p>Organized the following events</p> <ul style="list-style-type: none"> Co-Organized National Workshop on Biological Data Analysis under the aegis of IQAC and DBT Star College Scheme from January 27-31, 2024 Practical Training in Research Methodologies for college students from October 28, 2023- April 27, 2024 e-workshop on 'Learning the Basics of ChemDraw Software' on February 18, 2024 Exploring the Fundamentals of Scifinder on March 14, 2024 Tools and Techniques in Biological Sciences from January 2024- March, 2024

5.8 Seminars, Symposia, Workshops, Training Programmes Participated/Attended

S. No.	Faculty (Department)	Details
1	Dr Archana Pandey Dr Rimpay Kaur Chowhan (Biomedical Science)	<ul style="list-style-type: none"> Attended AWS public sector symposium New Delhi organized by Amazon Web Services at the Leela Ambience Gurugram Hotel on September 22, 2023. Attended 26th edition of Elets World Education Summit organized by EletsTechnomedia in association with its premier Digital Learning Magazine on the theme "Navigating Education in a Globalized World" held at Vivanta by Taj, New Delhi from July 4-5, 2023.
2	Dr Rimpay Kaur Chowhan (Biomedical Science)	<ul style="list-style-type: none"> Attended webinar on "Protein engineering for biotechnology and enzyme catalysis" organized by Protein Society at Zoom on January 31, 2024. Attended webinar on "High-speed atomic force microscopy (HS-AFM) for the study of protein structure and dynamics" organized by Protein Society at Zoom on November 15, 2024. Attended webinar on "Protein Dynamics: the key to Biological Function" organized by Protein Society at Zoom on October 07, 2023.

S. No.	Faculty (Department)	Details
	Dr Rimpay Kaur Chowhan (Biomedical Science)	<ul style="list-style-type: none"> Attended webinar on “AI’s Role in Reshaping Indian Higher Education” organized by Anthology India on August 16, 2023. Attended workshop on “Evidencing benefits of probiotics on gut-brain axis in aging & neuro-degeneration” at All India Institute of Medical Science (AIIMS), Delhi from July 20-21, 2023.
3	Dr Ritu Khosla (Biomedical Science) Dr Vineet Kumar Singh (Botany) Prof. Seema Gupta (Chemistry)	Participated in a two-day workshop on “Establishment of Modalities for Skill Enhancement Courses” organized by Skill Enhancement Courses Committee, University of Delhi on March 04-05, 2024.
4	Dr Ritu Khosla (Biomedical Science)	Participated in the One-day workshop on ‘Scientific-Writing and Communication’ held at ANDC on February 13, 2024.
5	Dr Anita Thakur (Botany)	<ul style="list-style-type: none"> Attended annual National Conference on Advances in Plant Biology (APB 2024) Innovation and Strategies for Sustainable Agricultural Productivity for Viksit Bharat @2047, Hansraj College, University of Delhi, February 10, 2024 Attended International Conference on Chemical and Biological Sciences January 27–29, 2024, Atma Ram Sanatan Dharma College, University of Delhi
6	Prof. Sunita Hooda (Chemistry)	Participated in INDO-UK Webinar entitled “Future of Teaching-Learning and Assessment in Higher Education” jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education and NPTC Group of Colleges, Wales, United Kingdom held on September 01, 2023.
7	Prof. Pooja Bhagat (Chemistry)	Attended a training programme on RTI Act-Capacity Building organized by Directorate of Training: Union Territories Civil Services, Govt. of NCT of Delhi, May 20-21, 2024.
8	Prof. Rashmi Thukral (Chemistry)	<ul style="list-style-type: none"> Attended International Chemistry symposium 2023 organized by Thieme group and Department of Chemistry, University of Delhi on October 25, 2023. Attended workshop on E-resources of Delhi University and Inflight N list organized by ANDC on October 26, 2023.

S. No.	Faculty (Department)	Details
9	Prof. Manisha Jain (Chemistry)	Attended Three Days online skill development program on “Qualitative, Quantitative Analysis and Amino acid Profiling by HPLC”, October 12-14, 2023.
10	Prof. Surinder Kaur (Commerce)	Participated and completed two days Online Workshop on “Mastering Business Statistics with Excel: Practical Applications and Analysis Techniques” organized by Department of Commerce, Janki Devi Memorial College, University of Delhi on November 2-3, 2023.
11	Prof. Sandeep Kumar Goel Dr Jitender Goel (Commerce)	Attended National Webinar on ‘Financial Literacy: Prosperity and Wealth’, Committee for Promotion of Financial Literacy, University of Delhi, in collaboration with Research Affairs Committee, Rajdhani College, University of Delhi, August 7, 2023.
12	Dr Shalu Mahajan (Commerce)	Attended 74th All India Commerce Conference of Indian Commerce Association held on December 13-15, 2023 on “One Earth, One Family, One Future”, organized by Department of Commerce, Delhi School of Economics, University of Delhi in association with O. P. Jindal Global University, Sonipat.
13	Dr Jitender Goel (Commerce)	Attended 74th All India Commerce Conference of Indian Commerce Association held on December 13-15, 2023 on “One Earth, One Family, One Future”, organized by Department of Commerce, Delhi School of Economics, University of Delhi in association with O. P. Jindal Global University, Sonipat.
14	Prof. Sharanjit Kaur (Computer Science)	Successfully completed an online non-credit course of 16 hours “Epidemics - the Dynamics of Infectious Diseases” authorized by The Pennsylvania State University and offered through Coursera on July 14, 2023
15	Prof. Sharanjit Kaur (Computer Science) Prof. Anju Agrawal (Electronics) Prof. Sanjeeta Rani (Physics) Mr. Vineet Kumar Girdharwal (Zoology)	Attended the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on ‘Exploring the Microbial World from Human Health to Environmental Sustainability’ along with 4th International Symposium on Ciliate Biology, April 2-5, 2024 at Conference Centre, University of Delhi, INDIA

S. No.	Faculty (Department)	Details
16	Prof. Anju Agrawal (Electronics)	Attended Series of Workshops on Evolution of Transistor and Emerging Research Devices" as part of the Celebration of 75 Years of Invention of the Transistor organized by IEEE Electron Device Society - Delhi Chapter (New Delhi, India), The National Academy of Sciences India - Delhi Chapter and Deen Dayal Upadhyaya College (University of Delhi) from July 5 - September 21, 2023.
17	Ms Anupama Rastogi (Mathematics)	Attended Mathematics for Data Science: "A Workshop for Practitioners", VIT Bhopal University (online), July 24-28, 2023
18	Dr Sarita Agarwal (Mathematics)	Attended International Conference on Mathematics and Application, organized by Mata Sundri College for Women held during January 10-12, 2024
19	Mr Dev Om Dr Deo Datta Arya (Mathematics)	<ul style="list-style-type: none"> Attended One day Workshop on "Vedic Mathematics" on April 08, 2024 at Aurobindo College (University of Delhi). Attended International Conference on Pure and Applied Mathematics (ICPAM-2024) at Janki Devi Memorial College (University of Delhi) on February 22-23, 2024.
20	Dr Deo Datta Arya (Mathematics)	<ul style="list-style-type: none"> Attended National Seminar on "Relevance of Pandit Deen Dayal Upadhyay's Philosophy in Contemporary INDIA" on April 10, 2024. Attended One day Workshop on "Vedic Mathematics" on April 08, 2024 at Aurobindo College (University of Delhi). Attended Teacher Summit on "NEP 2020: Role of a Teacher" on November 04, 2023.
21	Prof. Sanjeeta Rani (Physics)	Attended 1st Workshop on Density Functional Theory Modelling of Materials (DFT-M) organized by the Centre for Advanced Computational Studies, Delhi from August 17-23, 2023 via Online Mode.
22	Dr Meenu Mohil (Physics)	Participated in an online lecture on "Plasma Science and Technology: An Introduction" by Hansraj College, University of Delhi on February 17, 2024

S. No.	Faculty (Department)	Details
23	Dr Priti Goyal (Physics)	<ul style="list-style-type: none"> Participated in webinar “Generative AI and its impact on the research workflow” organized by Research Academy, Elsevier on August 08, 2024 Participated and Successfully completed the module “Generative AI: New Policies, Opportunities, and risks” on November 19, 2023, Organized by Elsevier Research Academy Participated and successfully completed the module “Life after publications: How to promote your work for maximum impact” on October 27, 2023 Organized by Elsevier Research Academy Participated and successfully completed the module “Diversity, Equity & inclusion at Cell Press” on October 26, 2023 Organized by Elsevier Research Academy. Participated in “European Advanced Materials Congress”, Southampton, UK on September 23-26, 2023 Organized by International Association of Advanced Materials, Sweden Participated in International Webinar Series-2023 : “Advances on materials for renewable energy storage technology and sustainability” on September 8, 2023 organized by the Department of Physics, St. Joseph’s College Tiruchirappalli - 620002, INDIA
24	Dr Ranjit Singh (Physics)	Attended the workshop on “Advances In Optics And Metamaterials (WAOM-2024)” February 23-24, 2024 organized by Department of Physics and Material Science & Engineering, Jaypee Institute of Information Technology, Noida, India
25	Dr Rahul Dev (Zoology)	Attended and Completed the online workshop “Mastering reference and citation with Mendeley” by Ambuj Mishra at School of Environmental Sciences, JNU, organized by Curious club on May 27, 2024
26	Dr Shrankhla (Zoology)	Attended International Conference on “Global Scenario and Sustainable Solutions in Silk Industry” on February 28, 2024

5.9 Faculty as Editors/Reviewers/Advisory

S. No.	Faculty (Department)	Name of Journal/Committee
1	Prof. Urmi Bajpai (Biomedical Science)	<ul style="list-style-type: none"> Member, Advisory committee of National Conference on Antimicrobial Resistance (AMR): Research Priorities & Action Plan organized by Research and Development Cell (RDC) Swami Rama Himalayan University, Dehradun, Uttarakhand. April 05-06, 2024. Member, Advisory committee of The 4th International Conference. Theme "Harnessing Bacteriophages for Human Well-being" organized by Society for Bacteriophage Research and Therapy (SBRT), India. September 28-30, 2023 at University of Madras, Chennai.
2	Prof. Charu Khosla Gupta (Botany)	Reviewer for the 9th International Conference on Education (ICEDU 2023) held from 16th - 17th March 2023 in Bangkok, Thailand in hybrid mode.
3	Dr Anita Narang (Botany)	Reviewer of following Journals: <ul style="list-style-type: none"> Academic Journal, Kalindi College, University of Delhi Plant Science Today Journal Journal of Tropical Life Sciences
4	Prof. Sunita Hooda (Chemistry)	Reviewer of following Journals: <ul style="list-style-type: none"> Advanced Sustainable Systems Journal of Biological Macromolecules ChemistrySelect
5	Prof. Pankaj Khanna (Chemistry)	Reviewer, Chemistry - An Asian Journal
6	Prof. Sandeep Kumar Goel (Commerce)	<ul style="list-style-type: none"> Reviewer, Ramanujan International Journal of Business and Research Reviewer, Journal of Commerce and Business Studies Member, Editorial Board, Industrial Relations, Discipline Specific Elective, Bachelor of Management Studies, Semester-III (Human Resource Management Specialization), Self Learning Material, Department of Distance and Continuing Education, University of Delhi Reviewer, Business Mathematics, Discipline Specific Core, Bachelor of Commerce (Honours), Semester-III, Self Learning Material, Department of Distance and Continuing Education, University of Delhi

S. No.	Faculty (Department)	Name of Journal/Committee
7	Prof. Sharanjit Kaur (Computer Science)	<ul style="list-style-type: none"> • Advisor on the Selection Committee for ASRB, Pusa Road, March 01, 2024 • Member of College level jury at round-2 on January 30, 2024, for meticulous evaluation of the participating teams, for next level participation at the Dark Patterns Buster Hackathon (DPBH-2023) organized by Dept. of Consumer Affairs along with NIT Banaras Hindu University. • Reviewer of following Journals: <ul style="list-style-type: none"> ◇ ETASR - Engineering, Technology & Applied Science Research Data Policies ◇ Knowledge and Information System, Springer Nature ◇ For international Conference PAKDD, 24
8	Prof. Amit Garg (Electronics)	<p>Reviewer of following Journals:</p> <ul style="list-style-type: none"> • IEEE Sensors • J. Porous Materials Review • Nanoexpress • Nanotechnology • Optical and Quantum Electronics • Physica Scripta • RSC Advances • Sustainable Futures • Tensymp IEEE
9	Dr Chaman Singh (Mathematics)	<p>Reviewer of following Journals:</p> <ul style="list-style-type: none"> • Int. J. of Applied Decision Sciences • Annals of Operations Research • Int. J. of Services Operations and Informatics • Process Integration and Optimization for Sustainability

S. No.	Faculty (Department)	Name of Journal/Committee
10	Prof. Arijit Chowdhuri (Physics)	<p>Reviewer for the following Scopus indexed Journals:</p> <ul style="list-style-type: none"> • Sensors and Actuators B. • Sensors and Actuators A. • Vacuum. • Physica Status Solidi. • Ceramics International. • Journal of Alloys and Compounds. • Journal of Materials Science. • Journal of Materials Science. Materials in Electronics. • Microchemical Journal. • Optical Materials. • Arabian Journal for Science and Engineering.
11	Prof. Rachna Joshi (Physics)	<p>Reviewer of following Journals:</p> <ul style="list-style-type: none"> • Applied Radiation and Isotopes (Elsevier) • Physics of Plasmas (American Institute of Physics) • Entropy (Multidisciplinary Digital Publishing Institute, MDPI)
12	Prof. Sarita Kumar (Zoology)	<ul style="list-style-type: none"> • Member of the Scientific Advisory Committee (SAC) of ICMR-RMRC-NE, Dibrugarh, Assam • Academic Editor of <ul style="list-style-type: none"> ◊ Journal of Parasitology Research, Hindawi Publications, Wiley Inc. ◊ Book titled 'Insecticides in Pest Control - Impact, Challenges and Strategies', IntechOpen, London, UK • On Editorial Board of <ul style="list-style-type: none"> ◊ Journal of Applied and Natural Sciences, India ◊ Vector Biology Journal, USA • Associate Editor of 'Frontiers in Physiology', Switzerland • Review Editor in 'Frontiers in Medicine', Switzerland • Editor <ul style="list-style-type: none"> ◊ Parasitology, M.Sc. Zoology Course Material, IGNOU, New Delhi ◊ Insect Physiology and Toxicology (Physiology Part), M.Sc. Zoology Course Material, IGNOU, New Delhi

S. No.	Faculty (Department)	Name of Journal/Committee
	Prof. Sarita Kumar (Zoology)	<ul style="list-style-type: none"> Reviewer in Journals: <ul style="list-style-type: none"> ◇ Chemosphere (USA) ◇ Bulletin of Entomological Research (UK) ◇ Journal of Tropical Medicine (Amsterdam) ◇ SN Applied Sciences (Switzerland) ◇ Frontiers in Physiology (Switzerland) ◇ Parasitology International (Ireland)
13	Prof. Seema Makhija (Zoology)	Reviewer of following Journals: <ul style="list-style-type: none"> • Journal of Frontiers in Plant Science, section Plant Systematics and Evolution • Journal of Ecophysiology and Occupational Health (JEOH) • Journal of Bulletin of Pure and Applied Sciences • Journal of <i>Analele Universitatii din Oradea, Fascicula Biologie</i> (AUOFB) academic journal

5.10 Membership of Various Societies/Panels

S. No.	Faculty (Department)	Membership
1	Prof. Urmi Bajpai (Biomedical Science)	<ul style="list-style-type: none"> Life member <ul style="list-style-type: none"> ◇ Society for Bacteriophage Research and Therapy (SBRT), India ◇ Association of Microbiologists of India (AMI) Member, International Society for Virus Research (ISVR)
2	Dr Rimpay Kaur Chowhan (Biomedical Science)	Member of Committee for formulating syllabus of following courses under Undergraduate Curriculum Framework-2022 (UGCF- 2022)" based on National Education Policy 2020 for B.Sc. (H) Biomedical Science. <ul style="list-style-type: none"> • Bridging Ancient and Modern Biomedical Research • Tools and Techniques in Biomedical Research

S. No.	Faculty (Department)	Membership
3	Dr Rimpay Kaur Chowhan Dr Deepshikha Dr Ritu Khosla (Biomedical Science) Dr Anupama Shukla Dr Rashmi Sharma Dr Anita Narang (Botany) Mr Abhay Pratap Singh (Environmental Science) Prof. Sharanjit Kaur (Computer Science) Prof. Seema Makhija Dr Aparna Sharma Dr Rahul Dev Dr Shrankhla (Zoology)	Life Member of Indian Network for Soil Contamination Research
4	Prof. Charu Khosla Gupta (Botany)	Member, Garden Committee, University of Delhi
5	Dr Anupama Shukla Dr Anita Narang (Botany)	Life member of Delhi University Botanical Society
6	Dr Anupama Shukla (Botany)	Life member of Mycological Society of India
7	Dr Anita Narang (Botany)	Life member of Association of Teachers in Biological sciences
8	Dr Yasheshwar (Botany)	Member of Society of Ethnopharmacology (SFE-India) Membership No. SFE/22/I-2512 valid till November 30, 2027.
9	Dr Anita Thakur (Botany)	Member guideline formulating committee, Subject: B.Sc. (H) Botany Sem III, UGCF Discipline Specific Core Course - 8 - Bryophytes, Pteridophytes and Gymnosperms, October 13, 2023
10	Prof. Manisha Jain (Chemistry)	Life member of <ul style="list-style-type: none"> Indian Society of Analytical Scientists – Delhi Chapter (LM -1871) , India Association of Chemistry Teachers (LM 226), Promoting Excellence in Chemistry Education c/o Homi Bhabha Centre for Science Education (TIFR) , India Life member (ID 28065) of Indraprastha Vigyan Bharati (VIBHA)

S. No.	Faculty (Department)	Membership
11	Prof. Surinder Kaur (Commerce)	Lifetime member of <ul style="list-style-type: none"> Indian Commerce Association Indian Accounting Association
12	Prof. Sandeep Kumar Goel (Commerce)	Lifetime member of <ul style="list-style-type: none"> Indian Commerce Association Indian Accounting Association Joint Secretary, Indian Commerce Association, Delhi NCR Chapter. Executive Member, Indian Accounting Association, Delhi Chapter.
13	Dr. Shalu Mahajan (Commerce)	Lifetime member of <ul style="list-style-type: none"> Indian Commerce Association Indian Accounting Association
14	Prof. Sharanjit Kaur (Computer Science)	Lifetime member of Computer Society of India (00129794)
15	Dr. Sunita Narang (Computer Science)	Life member of Computer Society of India
16	Prof. Amit Garg (Electronics)	Member of Society of Photo-Optical Instrumentation Engineers (SPIE), USA
17	Prof. Sada Nand Prasad (Mathematics)	Life time member of Operational Research Society of India.
18	Dr Chaman Singh (Mathematics)	<ul style="list-style-type: none"> Vice-President and Life time member of the Association for Advancement in Combinatorial Sciences. Life time member of Operational Research Society of India. Vice-President of the Meerut Chapter of Operational Research Society of India.
19	Dr Sarita Agarwal (Mathematics)	<ul style="list-style-type: none"> Life Member of the Society of Mathematical Sciences, University of Delhi, India Life Member of Ramanujan Mathematical Society, Tiruchirapalli, India

S. No.	Faculty (Department)	Membership
20	Prof. Arijit Chowdhuri (Physics)	<ul style="list-style-type: none"> Life member <ul style="list-style-type: none"> Indian Association of Physics Teachers (IAPT) (OM No. 7197) Plasma Science Society of India (PSSI) (LM 975) Society for Materials Chemistry (SMC), Bhabha Atomic Research Centre, Mumbai – 400 085, India (LM-1878) Member (1027) Division of Plasma Physics, Association of Asia Pacific Physical Societies, (AAPPS - DPP)
21	Prof. Rachna Joshi (Physics)	Life member of <ul style="list-style-type: none"> Indian Association of Physics teachers (IAPT) (OM No. 7196) Indian Laser Association, Membership No. - 1465 Plasma Science Society of India (PSSI) (LM 1766) Indian Society of Atomic and Molecular Physics, Membership No. - 1664 Division of Plasma Physics, Association of Asia Pacific Physical Societies, Membership No. - 2110
22	Prof. Sarita Kumar (Zoology)	<ul style="list-style-type: none"> Member of the Scientific Advisory Committee (SAC) of ICMR-RMRC-NE, Dibrugarh, Assam for reviewing ongoing scientific endeavours and new project proposals Life member of <ul style="list-style-type: none"> Indian Science Congress, Delhi Chapter Indian Society of Parasitology, Lucknow National Academy of Vector Borne Diseases, Bhubaneswar Association of Teachers in Biological Sciences (ATBS)
23	Prof. Seema Makhija (Zoology)	Life member of <ul style="list-style-type: none"> Indian Society of Cell Biology. Association of Teachers in Biological Sciences (ATBS) International Society of Protistologists (ISOP)

S. No.	Faculty (Department)	Membership
24	Dr Monica Misra (Zoology)	Member of Indian Society of Developmental Biologists (from January 17, 2023 onwards)
25	Mr. Vineet Girdharwal (Zoology)	Member of Bombay Natural History Society (BNHS)

5.11 Other Involvements

S. No.	Faculty (Department)	Details
1	Prof. Urmi Bajpai (Biomedical Science)	<p>Advisor, TechInvention Lifecare Pvt. Ltd., Mumbai on the following projects:</p> <ul style="list-style-type: none"> Design & Development of Recombinant Lysins against ESKAPE Pathogens and <i>E.coli</i> (September 2021-March 2024). Development of recombinant lysins against drug-resistant <i>Escherichia coli</i> causing urinary tract infections appropriate expression system, approved for funding under BIRAC's BIG scheme, Department of Biotechnology, Govt. of India (May 2022-November 2023).
2	Dr Rimpay Kaur Chowhan (Biomedical Science)	<ul style="list-style-type: none"> Subject Expert and Paper Setter for PAN India level entrance examinations at National Testing Agency (NTA) Research work presented by the student won Best Poster award at INSCR 2024 held on April 03-05, 2024. Escorted students for educational trips: <ul style="list-style-type: none"> 'Viksit Bharat Ambassadors – Nari Shakti' in the presence of Ms Smriti Irani, Hon'ble Union Minister for Women and Child Development, India on the occasion of Women's Day, at Delhi University's Sports Complex. March 07, 2024. G20 University Connect Finale programme organized by Government of India in the presence of Mr Narendra Modi, Hon'ble Prime Minister, India at Bharat Mandapam in New Delhi. September 14, 2023.
3	Prof. Shallu Sachdeva (Chemistry)	<ul style="list-style-type: none"> Event Coordinator of PROJECT AMRIT- Introductory session – A water cleaning and conservation initiative- organized by ANDC, Sant Nirankari Charitable Foundation in collaboration with the Ministry of Culture in February 2024. Delivered lectures in CEC in October 2023 on the topic- 'Energy In the Environment'.

S. No.	Faculty (Department)	Details
4	Prof. Manisha Jain (Chemistry)	<ul style="list-style-type: none"> Member, Committee for formulation of Undergraduate Curriculum Framework (UGCF) based on National Education Policy (NEP) 2020 for <ul style="list-style-type: none"> B.Sc.(H). Chemistry, Department of Chemistry, University of Delhi, 2023-till date. B.Sc. Life Science, Department of Chemistry, University of Delhi, 2023-till date. B.Sc. Physical Science, Department of Chemistry, University of Delhi, 2022-till date. Published a book 'Spandan', a collection of self-written Hindi poems, 2023, Walnut Publications, ISBN: 978-93-5911-441-5 (September 2023)
5	Prof. Pankaj Khanna (Chemistry)	Committee Member for UG Semester VII and VIII dissertation on Major Academic Projects at the Department of Chemistry, University of Delhi.
6	Prof. Sandeep Kumar Goel (Commerce)	<ul style="list-style-type: none"> Honorary Director, ANDC inStart Foundation, Section 8 Company at ANDC, 2023-24. Panelist, Startup Evaluation Meeting, ANDC inStart Foundation, May 2, 2024. Part-Time Assistant Coordinator, IGNOU Learning Support Centre (07191) at ANDC, 2023-24. Assistant Academic Coordinator, School of Open Learning, Learner Support Centre at ANDC, 2023-24 Superintendent, School of Open Learning Examinations at ANDC, 2023-24. Nodal Officer (ANDC) for 'HarGharDhyan', an initiative of the Art of Living under Memorandum of Agreement with University of Delhi, Delhi, 2023-24.
7	Prof. Sharanjit Kaur (Computer Science)	V-lab Development of Computational Domain at AND College (still to be uploaded on college website), 2023-24
8	Dr Preeti Marwaha (Computer Science)	Coordinator for National Level program DPBH-23 conducted on March 15, 2024 by IIT-BHU in collaboration with Department of Consumer affairs, Govt. of India

S. No.	Faculty (Department)	Details
9	Prof. Chandra Kanta Samal (Computer Science)	<ul style="list-style-type: none"> Served on the college-level jury for Round 2, evaluating detailed submissions from participating teams for their progression in the Dark Patterns Buster Hackathon (DPBH-2023) by the Department of Consumer Affairs in partnership with IIT Banaras Hindu University held on March 15, 2024. External examiner for the evaluation of the Ph.D. thesis titled "Neutrosophic Logic: Bridging Gaps in Healthcare Informatics, Recommender Systems, and Medical Image Analysis" was submitted by Siti Kantha Mallik in pursuit of the Doctor of Philosophy (Ph.D.) degree on May 30, 2024 at KIIT Deemed to be University, Bhubaneswar, Odisha. External examiner for the evaluation of the Ph.D. thesis, titled "Recommended System for Forecasting Exchange Rate Prediction Using Deep Learning" was submitted by Madhumita Panda for the Doctor of Philosophy (Ph.D.) degree on February 5, 2024 at Chitkara University, Punjab. Evaluator, Ph.D. Thesis, Amity University, Uttar Pradesh, January 2024. Faculty Volunteer, 74th All India Commerce Conference 2023 of the Indian Commerce Association on "One Earth, One Family, One Future", Department of Commerce, Faculty of Commerce & Business, Delhi School of Economics, University of Delhi in association with O. P. Jindal Global University, Sonipat, December 13-15, 2023. Academic Counselor, School of Open Learning, University of Delhi for B.Com. (Hons.) and B.Com. Public Contact Programme Classes. Academic Counsellor, Indira Gandhi National Open University for M.Com. Counselling Sessions. Moderator, BBA (BFSI) Semester-II Question Papers, DSEU Dwarka Campus, July 20, 2023.
10	Prof. Anju Agrawal (Electronics)	Adjudged the Inter-school S.T.E.M. Fest-Robotron'23, Delhi Public School, Mathura Road on August 11, 2023.
11	Prof. Amit Garg (Electronics)	Honorary Director, ANDC inStart Foundation, Section 8 Company at ANDC, 2023-24.

S. No.	Faculty (Department)	Details
12	Dr Roopesh Tehri (Mathematics)	Supervisor for UG dissertation of Mayank Rathi, B.Sc. (H) Mathematics, Sem VI on the topic - "Synchronization of Chaos in Electronic Circuit"
13	Dr Sarita Agarwal (Mathematics)	<ul style="list-style-type: none"> For taking oath for Mera Pehla Vote Desh ke liye from Ministry of Information and Broadcasting, Ministry of Education, Ministry of Youth Affairs and Sports on March 01, 2024 Received WWF volunteer certificate for Campus Bird Count during, February 16-19, 2024 Received Certificate of Participation for successfully completing the quiz on Renewable Energy Quiz on November 20, 2023 Received Certificate of Participation for successfully completing the quiz on 9 years: Seva, Sushasan aur Garib Kalyan Mahaquiz 2023 Received Certificate of Participation for successfully completing the quiz on Chandrayaan 3 Mahaquiz
14	Prof. Arijit Chowdhuri (Physics)	<ul style="list-style-type: none"> Subject Expert for Level – 2 evaluation of INSPIRE Fellowship applications pertaining to Physical Sciences, March 13, 2024 at INSA, New Delhi Subject Expert for Level – 2 evaluation of INSPIRE Fellowship applications pertaining to Physical Sciences, October 27, 2023 at ARIES, Nainital, UK
15	Prof. Sarita Kumar (Zoology)	<ul style="list-style-type: none"> External expert in the Expert Group Meeting of Scientific Advisory Committee, RMRC NE, Dibrugarh, held on April 5-6, 2024 Expert in the Doctoral Committee meeting for Ph.D. (Life Sciences) programme of IGNOU held on April 2, 2024. External subject expert in the interview panel for the post of PGT (Biology) at Mata Jai Kaur Public School, Ashok Vihar, February 17, 2024 External expert in the Expert Committee formulated to finalize the syllabus of Integrated Pest Management (APM-01), a skill-based course for BDP program, IGNOU, January 30, 2024 External expert for the upgradation of CSIR-JRF to CSIR-SRF of Ms. Nida Andlib, Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, January 22, 2024

S. No.	Faculty (Department)	Details
	Prof. Sarita Kumar (Zoology)	<ul style="list-style-type: none"> External expert in the Expert Committee formulated to finalise the course and Curriculum Framework of the B.Sc. degree (multidisciplinary) programme under UGC-CCFUP 2022, IGNOU; November 3, 2023.
16	Prof. Seema Makhija (Zoology)	Member, Committee of Courses, Department of Zoology w.e.f. December 20, 2023

5.12 Faculty Registered for Ph.D. Programme

S. No.	Faculty (Department)	Title of thesis	Institution	Month,Year of Registration
1	Ms Sangeeta Relan (Commerce)	Gender Diversity and Corporate Governance	Delhi School of Economics, University of Delhi	January 2022
2	Ms Anuradha Sarin (Commerce)	Employee Behaviour, Work Systems and Employee Performance- An Exploratory Study in Select Organisations	Department of Commerce, Delhi School of Economics, University of Delhi	September, 2019
3	Ms. Bhumika Chauhan (Zoology)	Morphological and Molecular Studies on Intestinal Parasites of Freshwater Fish, <i>Channa striata</i> (Snakehead Murrel) From Meerut Region	Chaudhary Charan Singh University	March 31, 2022

5.13 Faculty Development Programmes/ Refresher Courses Attended by Faculty

S. No.	Faculty (Department)	Name of the Course	Organized by	Duration
1	Dr Satendra Singh Dr Rimpay Kaur Chowhan Dr Deepshikha (Biomedical Science) Dr Anupama Shukla Dr Anita Narang Dr Rashmi Sharma Dr Mandeep Kaur Dr Anita Thakur Dr Vineet Kumar Singh (Botany) Prof. Pooja Bhagat Dr Kavita Mittal Mr Namonarayan Meena (Chemistry) Prof. Surinder Kaur Ms Poonam Chauhan Ms Rupali Pabreja Prof. Sandeep Kumar Goel Dr Jitender Goel (Commerce) Dr Sunita Narang Ms Priyanka Sharma Ms Shiva Saini Ms Nishu Singh (Computer Science) Prof. Anju Agrawal Dr Ravneet Kaur (Electronics) Dr Monika Bhattacharya Mr Abhay Pratap Singh (Environmental Science) Ms Seema Gupta Dr Sarita Agarwal (Mathematics) Prof. Mamta Bhatia Prof. Manisha Verma Prof. Rachna Joshi	NEP 2020 Orientation and Sensitization Programme	UGC-MMTTC (GAD-MMTTC), SGTB Khalsa College, University of Delhi	June 04-14, 2024

S. No.	Faculty (Department)	Name of the Course	Organized by	Duration
	Prof. Arijit Chowdhuri Dr Priti Goyal Dr Ambika Dr Pradeep Kumar Gupta Dr Satya Prakash Yadav Dr Dinesh Kumar Verma (Physics) Prof. Sarita Kumar Prof. Ravi Toteja Prof. Seema Makhija Dr Aparna Sharma Dr Rahul Dev Dr Shrankhla Mr Vineet Girdharwal (Zoology)	NEP 2020 Orientation and Sensitization Programme	UGC-MMTTC (GAD-MMTTC), SGTB Khalsa College, University of Delhi	June 04-14, 2024
2	Dr Satendra Singh Dr Rimpay Kaur Chowhan Dr Ritu Khosla Dr Deepshikha (Biomedical Science)	Forensic Science (Interdisciplinary)	UGC-MMTTC/ GAD-MMTTC), SGTB Khalsa College, University of Delhi in collaboration with University of Delhi (Department of Anthropology and Skills Enhancement Committee); Acharya Narendra Dev College, DU (Department of Biomedical Science) and Forensic Science Unit, SGTB Khalsa College, University of Delhi.	April 06-18, 2024
3	Dr Rimpay Kaur Chowhan (Biomedical Science)	Professional Development Programme, a 2 credit Swayam Course on 'National Education Policy 2020: Professional Development Programme	Indira Gandhi National Open University (IGNOU)	Nov 01-30, 2023

S. No.	Faculty (Department)	Name of the Course	Organized by	Duration
4	Dr Deepshikha (Biomedical Science)	AI Tools for e-Content Development and Teaching-Learning	UGC-MMTTC (GAD-MMTTC), SGTB Khalsa College, University of Delhi	April 01-12, 2024
5	Dr Geetika Kalra Dr Mandeep Kaur (Botany)	Faculty Development Programme on Hydroponics and aeroponics farming	University of Delhi, Department of Botany and SEC Committee, Swami Shradhanand College, University of Delhi, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, CCS Hisar Agriculture University and GAD Teaching Learning Centre, SGTB Khalsa College	September 04 - 10, 2023
6	Dr Mandeep Kaur (Botany)	FDP on Biofertilizers and Organic Farming	University of Delhi (Department of Botany and SEC Committee, Swami Shradhanand College , University of Delhi, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, CCS Hisar Agriculture University and GAD Teaching Learning Centre, SGTB Khalsa College	August 07-13, 2023

S. No.	Faculty (Department)	Name of the Course	Organized by	Duration
7	Prof. Sunita Hooda (Chemistry) Prof. Sanjeeta Rani Prof. Manisha Verma (Physics)	One Week National level Online Faculty Development Program on Outcome Based Education and Application of Generative AI in Teaching and Research, organized by the from	DST-CURIE-AI center of Sri Padmavati Mahila Visvavidyalayam (SPMVV University), Tirupati, in association with IPSR solutions limited	March 18-23, 2024
8	Prof. Seema Gupta (Chemistry)	NEP 2020 Orientation and Sensitization Programme	UGC-MMTTC (GAD-MMTTC), SGTB Khalsa College, University of Delhi	November 13-24, 2023
9	Prof. Geetu Gambhir (Chemistry)	One-Week Online National Faculty Development Program on Cancer Awareness	Indian Cancer Society, Delhi; Delhi School of Public Health, Institute of Eminence, University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of the Ministry of Education, Government of India.	August 21-28, 2023
10	Ms Poonam Chauhan (Commerce)	FDP on NEP 2020 & OBE Aligned Practicum Driven Commerce Education	Deen Dayal Upadhyay college and Department of Commerce , Faculty of Commerce and Business , Delhi School of Economics ; University of Delhi	May 14-15, 2024

S. No.	Faculty (Department)	Name of the Course	Organized by	Duration
11	Dr Sunita Narang (Computer Science)	Online Faculty development program on AI in Education under PMMMNMTT, MHRD	Teaching Learning Centre, Ramanujan College, University of Delhi in association with Sri Guru Gobind Singh College of Commerce, University of Delhi.	March 29-April 04, 2024
12	Dr Sarita Agarwal (Mathematics)	Two weeks online Refresher Course	Training Learning Centre & Department of Mathematics Ramanujan College (University of Delhi)	July 13-26, 2023
		NEP 2020 Orientation & Sensitization Programme	UGC – MMTC (GAD- MMTC) Shri Guru Tegh Bahadur Khalsa College, University of Delhi	January 09-18, 2024
13	Dr Shalu Dhanda (Physics)	Rietveld Refinement of X-ray diffraction	Center for Advanced Computational Research, New Delhi, India	February 14-20, 2024
		Online Faculty Development Programme on “Data Analytics using Machine Learning	Birla Institute of Technology	June 03-07, 2024
		One week online FDP on “DFT modelling of Materials: Nanomaterials, Thin Films”	Centre for Advanced Computational Research, Delhi, India	July 14-20, 2023

S. No.	Faculty (Department)	Name of the Course	Organized by	Duration
14	Dr Meenu Mohil (Physics)	One week online Faculty Development Programme on "Data Analytics using Machine Learning"	Birla Institute of Technology	June 03-07,2024
		One week online FDP on "DFT modelling of Materials: Nanomaterials, Thin Films"	Centre for Advanced Computational Research, Delhi, India	July 14-20, 2023
15	Dr Ranjit Singh (Physics)	Online one-week Faculty Development Programme on "BLENDED LEARNING: Concepts and Tools"	Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching	July 01-07, 2023
16	Dr V. Bhasker Raj (Physics)	One-Week National Faculty Development Program on "Basic Skill in Experimental Physics"	Skill Enhancement Course Committee, University of Delhi in collaboration with the Department of Physics, Daulat Ram College and Guru Angad Dev Teaching Learning Centre, a Centre under PMMMNMTT, Ministry of Education, Government of India	July 17-23, 2023
17	Dr Sanjay Kumar (Physics)	One Week National Faculty Development Program (FDP) on Basic Skills in Experimental Physics	Daulat Ram College	July 17-23, 2023

S. No.	Faculty (Department)	Name of the Course	Organized by	Duration
18	Mr Ravinder Kumar Sagar Dr Rahul Dev Dr Neelgagan Singh Dr Shrankhla Mr Vineet Girdharwal (Zoology)	One-Week Faculty Development Program (FDP) on Sericulture (Skill Enhancement Course Committee, UoD)	In collaboration Shaheed Rajguru College of Applied Sciences for Women; Atma Ram Sanatan Dharma College; Department of Zoology, University of Delhi and Guru Angad Dev Teaching Learning Centre, a Centre under PMMMNMTT, Ministry of Education, Government of India from held at Acharya Narendra Dev College.	August 8-14, 2023
19	Dr Shrankhla (Zoology)	One-Week National Faculty Development Program : FDP on Skill Development for Sustainable Aquaculture	Shaheed Rajguru College of Applied Sciences for Women; Atma Ram Sanatan Dharma College; Department of Zoology, University of Delhi and Guru Angad Dev Teaching Learning Centre, a Centre under PMMMNMTT, Ministry of Education, Government of India	June 19-25, 2023

5.14 Details of Teaching Staff on leave/Lien w.e.f July 2023 to June 2024:-

S. No.	Name, Designation	Department	Period	Nature of Leave
1	Dr Gagan Dhawan	Biomedical Science	26.07.2022 to 25.07.2025	On Lien
2	Ms. Sadhna Gupta	Commerce	11.09.2023 to 29.09.2023	Medical Leave
3	Prof. Monisha Khanna Kapur	Zoology	28.08.2023 to 23.11.2023	Child Care Leave
4	Dr Meenu Mohil	Physics	9.10.2023 to 22.11.2023 04.01.2024 to 10.05.2024	Child Care Leave
5	Prof. Mamta Bhatia	Physics	25.09.2023 to 25.03.2024	Earned Leave
6	Dr Manisha Jain	Chemistry	16.10.2023 to 30.10.2023	Child Care Leave
7	Prof. Rachna Joshi	Physics	18.12.2023 to 22.03.2024	Child Care Leave
8	Dr Priti Goyal	Physics	29.11.22 to 31.10.23	Child Care Leave
9	Prof. Urmi Bajpai	Biomedical Science	18.01.2024 to 17.01.2025	Sabbatical Leave
10	Dr Rashmi Sharma	Botany	18.01.2024 to 15.03.2024	Child Care Leave
11	Prof Anju Agrawal	Electronics	22.04.2024 to 17.05.2024	Medical Leave
12	Dr Shalu Mahajan	Commerce	23.04.2024 to 07.05.2024	Child Care Leave
13	Prof. Geetu Gambhir	Chemistry	14.05.2024 to 07.06.2024	Earned Leave
14	Prof. Neelu Dheer	Chemistry	18.05.2024 to 13.06.2024	Earned Leave
15	Prof. Sarita Kumar	Zoology	08.05.2024 to 13.06.2024	Earned leave

Details of Non-Teaching Staff on leave w.e.f July 2023 to June 2023:-

S. No.	Name & Designation	Department	Period	Nature of Leave
1	Ms. Kavita Yadav	Laboratory Assistant (Chemistry)	30.10.2023 to 22.11.2023 11.12.2023 to 29.12.2023 18.01.2024 to 23.02.2024	Child Care Leave
2	Ms. Reetu Mangla	Jr. Assistant	12.02.2024 to 21.05.2024	Earned Leave & Medical Leave

5.15 Research Publications by Faculty in Journals, Magazines, National and International Conferences and Seminars

ANNEXURE-I

5.16 Achievements of Non-teaching staff

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

S. No.	Name, Designation	Department	Period	Nature of Leave
1	Mr. Anil Kishore Godiyal	Accounts	4.10.2023 to 23.06.2024	Proceeded on Deputation at NIA
2.	Mr. Rajender Singh, Mali awarded with Best Mali Award in 66 th Annual Flower Show 2024.			

5.17 Scale Upgradation/Appointments of Teaching/ Non-teaching Staff

5.17.1 Teaching staff: Details of promotion of teaching staff from July, 2023 to June, 2024

S. No.	Name	Designation	Level	Date of Promotion
1	Dr Sanjeeta Rani	Professor	14	13.09.2023
2	Dr Manisha Verema	Professor	14	03.06.2023
3	Dr Manisha Jain	Professor	14	13.10.2023
4	Dr Neeti Misra	Professor	14	13.10.2023

S. No.	Name	Designation	Level	Date of Promotion
5	Dr Surinder Kuar	Professor	14	09.07.2021
6	Dr Sandeep Kumar Goel	Professor	14	30.09.2023

5.17.2 Non-Teaching Staff: Details of promotion of non-teachings staff from July 2023 to June 2024

S.No.	Name & Designation	Department	Promotion	Date
1	Mr. Vaneet Kumar	Physics	Laboratory Assistant	14.09.2023
2	Mr. Vinod Kumar	Library	Library Assistant	21.07.2023

5.17.3 Non-Teaching staff: List of MACP cases of non-teaching staff from July, 2023 to June, 2024

S. No.	Name (Designation, Department)	MACP	Date
1	Ms. Namrta Arora (Librarian)	3rd	23.04.2023
2	Mr. Anil Kishore Godiyal	2nd	21.10.2023

FLAGSHIP SCHEMES@ANDC



6. Flagship Schemes@ANDC

6.1 UNNAT BHARAT ABHIYAN

Project Coordinator: Dr Sunita Jetly (Biomedical Science)

The Unnat Bharat Abhiyaan's mission is to facilitate collaboration between higher educational institutions and the rural communities of India in order to identify development obstacles and devise effective solutions that foster sustainable progress. Additionally, it seeks to establish a positive feedback loop connecting society and an all-encompassing academic system. This entails offering knowledge and practical skills for emerging professions, as well as enhancing the capacities of both the public and private sectors in addressing the developmental requirements of rural India.

Acharya Narendra Dev College (ANDC) is among the institutions taking part in the Unnat Bharat Abhiyan (UBA) initiative, with the Indian Institute of Technology, Delhi serving as the Regional Coordinating Institute.

6.1.1 Adopted Areas

Under Unnat Bharat Abhiyan, ANDC has adopted following five rural areas in South Delhi:

1. Govindpuri Slum Area
2. Okhla Industrial Area
3. Pul Pehladpur

6.1.2 Activities under Unnat Bharat Abhiyan

During the academic session of 2022-23, the following activities were conducted under UBA@ANDC

- ◆ On July 1, 2023, in collaboration with the college's Eco Club, 'Paritantra', and NSS, UBA@ANDC organized "Pledge taking ceremony on the occasion of Van Mahotsav". The UBA@ANDC volunteers were invited to take a pledge to plant trees and protect the environment. The pledge emphasized individual responsibility in promoting greenery, reducing pollution, advocating for sustainable practices and also raised awareness about the ban on single-use plastics and the Swachata Abhiyan (cleanliness campaign).
- ◆ From July 18 to August 31, 2023, UBA@ANDC conducted "Stationery collection and distribution drive". The stationery collection and distribution drive was a resounding success, illustrating the power of community action in supporting education. Such initiatives play a crucial role in bridging the resource gap for underprivileged students, ensuring that every child has the tools they need to succeed academically.
- ◆ On July 27, 2023, UBA@ANDC organized a "village visit to Nehru Camp Govindpuri" for Food Donation Drive to the needy people.
- ◆ On August 15, 2023, the Independence Day, UBA@ANDC team in collaboration with NSS@ANDC, commemorated "Har Ghar Tiranga," distributing flags to volunteers and college staff.
- ◆ On August 26, 2023, in collaboration with Arjun Nagar community residence welfare association, UBA@ANDC conducted "Menstrual hygiene awareness and pad distribution drive" at Maanmati hospital, Safdarjung enclave to promote understanding and support for menstrual health among women and girls in our community. The drive aimed to empower women and girls to manage their menstrual health with dignity and confidence. By combining education with access to sanitary products, the initiative contributed to reducing stigma and promoting better hygiene practices among women and girls.
- ◆ On September 5, 2023, UBA@ANDC in collaboration with Lakshmi Narayan Mandir Trust, Bhore Living Humanly Foundation, NSS@ANDC and Eco-club 'Paritantra', organised "Awareness Programme: Eye and

Organ donation” in the college. Our eminent guests were Shri Bal Ram (Medical Social Service Officer, AIIMS Delhi) and Mrs Kamlesh Saini (Sister-in-charge & Transplant Coordinator, AIIMS Delhi). This event was conducted to educate the community about the importance and impact of these life-saving acts. The initiative aimed to dispel myths, provide accurate information, and encourage individuals to consider becoming donors.

- ◆ On September 17, 2023, UBA@ANDC, in collaboration with Bhori Living Humanly Foundation, Delhi State Blood Cell, Maulana Azad Medical College and Lakshmi Narayan Mandir Trust, organised “Thalassemia Awareness Drive and Free Screening Camp” at Shree Lakshmi Narayan mandir in Sector-56, Noida to educate the community about thalassemia, its implications, and the importance of early detection. The initiative aimed to raise awareness, provide screening services, and promote genetic counseling for at-risk individuals. The screening camp offered free complete blood count (CBC) tests to attendees and HPLC for the suspected individuals. Trained healthcare staff conducted the screenings, providing immediate results and counseling for those identified at risk. By combining education with accessible health services, the initiative aimed to empower individuals to take proactive steps in managing their health.
- ◆ On September 25, 2023, UBA@ANDC, in collaboration with Bhori Living Humanly Foundation, Delhi State Blood Cell, Maulana Azad Medical College and UBA@DBC, organised “Thalassemia Awareness Drive and Free Screening Camp” at Deshbandhu College to educate the community about thalassemia, its implications, and the importance of early detection. Dr Ranjana Mishra (Senior Consultant- Clinical Genetics) was invited for the talk and also as a consultant for the blood report of the camp. The initiative aimed to raise awareness, provide screening services, and promote genetic counseling for at-risk individuals. The screening camp offered free complete blood count (CBC) tests to attendees and HPLC for the suspected individuals. Trained healthcare staff conducted the screenings, providing immediate results and counseling for those identified at risk. By combining education with accessible health services, the initiative aimed to empower individuals to take proactive steps in managing their health.

- ◆ On October 1, 2023, UBA@ANDC organised “Ek Tareekh Ek Ghanta Ek Saath”, a nationwide cleanliness drive started by the Prime Minister Narendra Modi in India, at 10 AM to celebrate Gandhi Jayanti and promote hygiene and sanitation. The campaign’s goals included paying tribute to Mahatma Gandhi, spreading awareness about hygiene and sanitation, and making India garbage free.
- ◆ On November 3, 2023, UBA@ANDC, in collaboration with Bhor Living Humanly Foundation, Delhi State Blood Cell, Maulana Azad Medical College, NSS@ANDC and Eco-club ‘Paritantra’, organised “Thalassemia Awareness Drive and Free Screening Camp” at ANDC to educate the community about thalassemia, its implications, and the importance of early detection. Dr Ranjana Mishra (Senior Consultant- Clinical Genetics) was invited for the talk and also as a consultant for the blood report of the camp. The initiative aimed to raise awareness, provide screening services, and promote genetic counseling for at-risk individuals. The screening camp offered free complete blood count (CBC) tests to attendees and HPLC for the suspected individuals. Trained healthcare staff conducted the screenings, providing immediate results and counseling for those identified at risk. By combining education with accessible health services, the initiative aimed to empower individuals to take proactive steps in managing their health.
- ◆ On November 29, 2023, UBA@ANDC, in collaboration with Bhor Living Humanly Foundation, Dharamshila Rahat Medical Center, NSS@ANDC and Eco-club ‘Paritantra’, organised “Cancer Awareness and Free screening camp” at ANDC. Dr Sushma Dhar (Oncologist, DRMC) to educate the community about cancer prevention, early detection, and the importance of regular screenings. The event aimed to raise awareness about various types of cancer, risk factors, and available screening options. Free screenings for breast and cervical cancer through mammograms and Pap smears and health consultations with oncologists was provided.
- ◆ On February 9, 2024, UBA@ANDC, in collaboration with Bhor Living Humanly Foundation, Delhi State Blood Cell, Maulana Azad Medical College, organised “Thalassemia Awareness Drive and Free Screening Camp” at Shivaji College to educate the community about thalassemia, its implications, and the importance of early detection. Dr Ranjana Mishra (Senior Consultant- Clinical Genetics) was invited for the talk and also as a consultant for the blood report of the camp. The initiative

aimed to raise awareness, provide screening services, and promote genetic counseling for at-risk individuals. The screening camp offered free complete blood count (CBC) tests to attendees and HPLC for the suspected individuals. Trained healthcare staff conducted the screenings, providing immediate results and counseling for those identified at risk. By combining education with accessible health services, the initiative aimed to empower individuals to take proactive steps in managing their health.

- ◆ On February 25, 2024, UBA@ANDC, in collaboration with NSS@ANDC and Eco-club 'Paritantra', organized "Project Amrit: Clean Water, Clean Mind", an initiative of Sant Nirankari Mission in collaboration with Ministry of Culture, at Yamuna Bank. This program aimed to educate the community on water hygiene, conservation, and overall well-being.
- ◆ From February 26 to March 3, 2024, UBA@ANDC in collaboration with NSS@ANDC and Eco-club 'Paritantra,' organised "Voting Awareness Week" on the theme 'Mera Pehla Vote Desh ke Liye'. During this, we organized various events to create awareness among youths and the peoples of the community about the importance of vote and elections in the democracy. Youths took the voters pledge and we conducted a village visit also in Nehru Camp, Govindpuri. A invited talk on Significance of Vote in Democracy by Shri Aditya Raj (Member of Youth Parliament, Bihar) was also organized.
- ◆ On March 19, 2024, UBA@ANDC, in collaboration with Bhor Living Humanly Foundation, Delhi State Blood Cell, Maulana Azad Medical College and NSS@IHE, organised "Thalassemia Awareness Drive and Free Screening Camp" at Institute of Home Economics to educate the community about thalassemia, its implications, and the importance of early detection. Dr Ranjana Mishra (Senior Consultant- Clinical Genetics) was invited for the talk and also as a consultant for the blood report of the camp. The initiative aimed to raise awareness, provide screening services, and promote genetic counseling for at-risk individuals. The screening camp offered free complete blood count (CBC) tests to attendees and HPLC for the suspected individuals. Trained healthcare staff conducted the screenings, providing immediate results and counseling for those identified at risk. By combining education with accessible health services, the initiative aimed to empower individuals to take proactive steps in managing their health.

UBA@ANDC in collaboration with NSS, ANDC and Eco Club 'Paritantra' organize a food drive every Thursday of the week to assist individuals in need across various areas in Noida city. They offer assistance to individuals dealing with difficult situations. The students make an effort to connect with those living in makeshift shelters near the construction zones. The food they provide brings joy to the children.

6.2 DBT STAR COLLEGE SCHEME

Coordinator: Prof. Ravi Toteja (Officiating Principal)

Co-Coordinator: Dr Archna Pandey (Department of Biomedical Science), Prof. Seema Makhija (Department of Zoology)

Department Coordinators: Dr Archna Pandey (Department of Biomedical Science), Dr Rashmi Sharma (Department of Botany), Prof. Sunita Hooda (Department of Chemistry), Prof. Chandra Kant Samal (Department of Computer Science), Dr Ravneet Kaur (Department of Electronics), Prof. Arijit Chowdhuri (Department of Physics), Prof. Seema Makhija (Department of Zoology)

Department of Biotechnology (DBT) has recommended 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 in 2017. 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. College was granted STAR STATUS after the 8th Task Force Meeting held from August 25-26, 2020. The Task Force after reviewing the work done by the college recommended awarding the Star Status to the participating departments of the college with one-time non-recurring grant of Rs. 15.00 lakhs (per department) and recurring grant of Rs. 5.00 lakhs per year per department along with the contingency of Rs 1.00 lakhs per year and travel grant of Rs 2.00 lakhs per year for a period of three years. The college has been thus upgraded to Star Status and the financial support by DBT is extended for another 3 years i.e. from May 21, 2021 to May 21, 2024. The College has received an amount of Rs 2,18,40,357 under STAR STATUS Scheme so far. The Task Force meeting of the Department of Biotechnology (DBT) was held in Coimbatore at RVS College of Arts and Science from February 7-9, 2024 to review the advancements and progress of the DBT STAR Scheme. More than 60 Colleges presented the progress of their work under this scheme. The meeting brought together key stakeholders

including scientists, researchers, government officials, and policymakers to assess the ongoing projects and initiatives under the DBT STAR Programme. Discussions likely revolved around project milestones, research outcomes, funding allocation, and future directions for enhancing interest of students in research and science. ANDC also presented its progress. The college was awarded grade A+. This year the Mathematics Department of the College has also been selected for strengthening component under DBT Star College Scheme.

6.2.1 Development of Skill Centers and Virtual labs@ANDC

Acharya Narendra Dev College's emphasis on the establishment of skill center programs signifies a proactive approach in imparting students with hands-on and relevant expertise. These centers have the potential to significantly enhance students' capabilities, preparing them for success in their selected domains and the Professional realm. Moving forward, these skill centers will open avenues for students to engage in internships, cooperative programs, and industry projects, enabling them to acquire practical experience.

6.2.1.1 Sericulture Skill Development Centre

Co-ordinators: Prof. Seema Makhija and Mr Sanjay Vohra

Given the promising employment and entrepreneurship opportunities in the sericulture industry, Acharya Narendra Dev College has established a Sericulture Skill Development Centre in Sericulture. The centre has been established under the aegis of DBT STAR and Skill Enhancement Courses Committee. It is a nodal centre for sericulture course in the University of Delhi. The primary goal is to provide students with comprehensive skills and knowledge in sericulture techniques. The center aims to offer extensive expertise in sericulture skills and methodologies, coupled with hands-on experience in breeding, rearing, harvesting cocoons, and post-cocoon processing. This year college organized a 7 Day Faculty Development Program on *Sericulture: Rearing and its Applications* for the faculty of University of Delhi in which hands on experience was given on rearing methods for mulberry silkworm. Students of various colleges visited the centre this year. The students pursuing sericulture presented their ideas in a silk expo held on February 28, 2024 and ideas of four students were appreciated by the judges. The infrastructure of the centre has been enhanced by the grant of Rs. 15 lakhs received from the University of Delhi. Students have also conducted summer project entitled 'From Silk to Shine: Leveraging Sericin for Superior Shampoo Products: Shampoo Production Using Sericin'.

6.2.1.2 Mushroom Research and Skill Development Centre (MRSDC)

Coordinators: Dr Anupama Shukla, Dr Anita Narang and Dr Vineet Kumar Singh

The Mushroom Research and Skill Development Center (MRSDC) at Acharya Narendra Dev College is operating under the DBT-STAR status scheme. Its primary objective is to offer a mushroom culture facility to students enrolled in the SEC course focused on Mushroom Cultivation Technologies. Apart from imparting skills related to cultivating diverse mushroom varieties, MRSDC has expanded its role to encompass a wide array of activities. These include engaging in research, ensuring high-quality spawn production, conducting outreach programs, delivering training sessions, and extending its services to dispel prevalent myths surrounding mushroom cultivation and consumption. Mushroom technology is hailed as an environment friendly approach with the potential to address various societal and environmental challenges, such as air pollution, malnutrition, unemployment, and promoting women empowerment. The Mushroom Research and Skill Development Centre (MRSDC) organised a visit for the students on November 21, 2023 to the Mushroom Summit, at the Deepak Paintal Conference Centre, University of Delhi to enhance their knowledge about all the facets of mushroom cultivation and its immense potential as an Entrepreneurial opportunity for them. The summit introduced them to the industry and Academia and their linkage in this field. On March 18, 2024, the Centre organised a visit to the Mushroom Centre at the Shaheed Rajguru College of Applied Sciences for Women. They were taken around the centre to show them the different stages and the methodology of cultivating different mushrooms like *Button*, *Oyster* and *Cordyceps*.

6.2.1.3 Agri-Based Skill Centre

Coordinators: Dr Geetika Kalra, Dr Mandeep Kaur

The Agri-Based Skill Centre at our college specializes in hydroponics and biofertilizers, offering comprehensive training in modern agricultural techniques. Students learn about hydroponic systems, nutrient solutions, and environment control. They also gain expertise in the production and application of biofertilizers, which are environmentally friendly alternatives to chemical fertilizers. The center provides hands-on experience in setting up and managing hydroponic farms and organic farming. This empowers students to invest in urban farming and can contribute to sustainable agriculture, food security, and environment conservation.

6.2.1.4 Zebrafish (*Danio rerio*) Culture Lab

Coordinator: Dr Monica Misra;

Co-Convener: Ms Bhumika Chauhan

मत्स्य Lab -Zebrafish Culture facility, established at Acharya Narendra Dev College through the support of the DBT Star Scheme, aims to inspire and engage budding scientists in research pursuits. It provides a hands-on experience in laboratory practices, delving into the captivating realm of live animal research and nurturing a more empathetic approach towards our environment and its creatures. Notably, we stand as the second college within the University of Delhi to initiate the development of a zebrafish lab. The College is in the process of Registration of Internal Animal Ethical Committee (IAEC). Once approved by the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Govt. of India, the breeding of fishes and study of various life stages and behavioural patterns will be done to establish patterns in the fish and its resemblance to humans. This year an Inter-College workshop was organized by the facility for Students from all the colleges of University of Delhi and about 51 students attended the workshop. Following UG Projects are furnished in the Lab:

- ◆ Zebrafish breeding after 120 hours post fertilization
- ◆ To study the Effects of Ethanol Exposure on different Developmental Stages of Zebrafish
- ◆ To investigate the effects of different diets on the growth and development of Zebrafish.

6.2.1.5 Forensics Skill Centre

Co-ordinators: Dr Archana Pandey, Dr Ritu Khosla and Dr Satendra Singh

Forensic science is the use of scientific methods to examine evidence obtained from the crime scene so as to aid in prosecution of perpetrators of crime or absolve an innocent person from suspicion. Students attaining forensics science-based skills can either work with government investigation organizations like CBI, CID, IB, CFSL, and so on, or they can opt for private organizations like Media Houses, Hospitals, or Research Centers. Department of Biomedical Science is running Forensic Science as skill course since 2015 and currently after NEP we are having two SEC courses as Basics in Forensic Science and Forensic Chemistry and an upcoming DSE on Advanced techniques in Forensic Science. The department has resources for training and providing services for many forensic techniques like fingerprint

development, footprint development, questioned document verification, features and depth analysis of handwriting and ink analysis using TLC. We have conducted various national level workshops for faculty, Non teaching staff as well as students. In 2017, a large scale workshop was conducted for training the staff of University of Delhi to check the authenticity of the marksheets. In April 2024, the department also conducted two FDPs back to back where faculties from DU and across India participated and were also given hands on training.

6.2.1.6 Molecular Biology and Biotechnology Skill Centre

Co-ordinator: Prof. Ravi Toteja and Prof. Seema Makhija

The Molecular Biology and Biotechnology Skill Centre aims to cultivate a skilled workforce capable of driving advancements in biotechnology and molecular biology while preparing individuals for impactful careers in science and technology. Through a combination of practical training, research opportunities, and ethical awareness, the centre seeks to contribute positively to society and the economy. Students trained in molecular biology and biotechnology has a wide range of job opportunities across various sectors. Some of the potential career paths are: Research and Development, Biotechnology Companies, Pharmaceutical Industry, Healthcare and Clinical Labs to name a few.

6.2.1.7 Emerging Technologies E-Hub

Coordinator: Prof. Amit Garg

Emerging Technologies E-Hub is a skill centre that imparts training which is aligned with Industry 4.0 standard in the contemporary domains like PCB design and fabrication, Artificial Intelligence and Machine Learning, Cloud Computing, 3D design and printing, Augmented and Virtual Reality, Web development using MERN, Mobile Application developments, drone technology, Robotics, IoT etc. It aims to produce skilled manpower in these domains which can contribute to India's swift progression to becoming a developed nation.

6.2.1.8 Language Empowerment Skill Centre

Coordinators: Prof. Pooja Bhagat, Dr Joita Dhar Rakshit

The Language Empowerment Skill Centre at our college is dedicated to fostering language Proficiency and cultural understanding. The center offers a wide range of language courses, catering to students of all levels and

interests. The center employs experienced language instructors who utilize innovative teaching methods to create engaging and interactive learning experiences. The center organizes language programs and workshops to enhance students' language skills and broaden their global perspectives.

6.2.1.9 Virtual Labs, IT Tools & Innovations Skill Centre

Coordinator: Prof. Seema Makhija and Dr Vineet K. Singh

Conveners: Dr Sanjeeta Rani, Prof. Sharanjit Kaur, Dr Anita Narang, Dr Neeti Mishra

The IT Tools and Innovation Skill Centre at our college is dedicated to equip students with the latest IT skills and fostering a culture of innovation. A key focus of the center is on developing and training students to create Virtual Labs. The center's expertise in virtual lab development enables students to explore complex concepts, experiment with different variables, and learn at their own pace. By cultivating these skills, the center prepares students for the digital age and empowers them to contribute to technological advancements.

6.2.1.9.1 Virtual Lab at ANDC (V-Lab@ANDC)

Acharya Narendra Dev College pioneered the concept of a Virtual Lab (V-Lab), aiming to grant undergraduate science students remote access to various labs via the internet. This initiative marked the college as the trailblazer in implementing V-Lab within the University of Delhi. The course design for various labs and experiments available on V-Lab@ANDC is forward-thinking, adopting a four-quadrant model for e-content, aligned with the principles of the National Education Policy (NEP)-2020. The V-Lab@ANDC website is curated and managed by students themselves, covering four domains: Biological Science, Chemical Science, Electronics, and Physical Science; encompass seven departments: Biomedical Science, Botany, Chemistry, Computer Science, Electronics, Physics, and Zoology.

6.2.1.9.1.1 Bootcamps for V-Lab Development.

This year two Bootcamps were organized:

- ◆ One-week Bootcamp 2.1 for V-lab Development (March 11-15, 2024)
- ◆ Five day Bootcamp on 'V-Lab Development 2.2 and Bootcamp on 'V-Lab Development (Building Blocks of Simulator)' (April 24-28, 2023)
- ◆ **Conveners:** Prof. Seema Makhija, Prof. Sharanjit Kaur, Prof. Pooja Bhagat. and Dr Vineet K Singh

6.2.1.9.1.2 Names of students involved in Virtual Lab

S. No.	Name	Course	Project	Mentors
1.	Ayush Chaudhary Pranjal Verma Ravi Tomer	B.Sc.(P) Computer Science	Merge sort using recursion	Prof. Sharanjit Kaur Ms Nishu Singh Ms Gunjan Rani (Computer Science)
2	Ayush Bhardwaj Arpit Bhardwaj	B.Sc. (H) Computer Science	Depth First Search	Prof. Sharanjit Kaur Ms Gunjan Rani (Computer Science)
3.	Ayush Bhardwaj Arpit Bhardwaj	B.Sc. (H) Computer Science	Breadth First Search	Prof. Sharanjit Kaur Ms Gunjan Rani (Computer Science)
4.	Avishkaar Pawar	B.Sc.(H) Computer Science	Hamming Code	Prof. Sharanjit Kaur (Computer Science)
5.	S. Kanak Megha	B.Sc.(H) Computer Science	Priority scheduling	Prof. Sharanjit Kaur (Computer Science)
6.	Mayank Kumar Nishant Pratap Singh	B.Sc.(H) Computer Science	Search Algorithms	Prof. Sharanjit Kaur (Computer Science)
7.	Ayush Chaudhary Ravi Tomer Pranjal Verma Chetna Panchal Divya Mishra	B.Sc. (P) Computer Science	Vehicle Tracking System	Prof. Chandra Kanta Samal Ms Gunjan Rani (Computer Science)
8.	Arpit Bhardwaj	B.Sc. (H) Computer Sc.	D2C selling portal for farmer produce based on nearest traversal of demands	Dr Preeti Marwaha (Computer Science)
9.	Awani Sharma Ayush Bhardwaj Yuvraj Saroha Utkarsh Tiwari	B.Sc. (H) Computer Science	Digital Empowerment of students of Acharya Narendra Dev College	Dr Sunita Narang (Computer Science) Dr Shallu Mahajan (Commerce)

S. No.	Name	Course	Project	Mentors
10.	Ayush Yadav Pranav Singh Shrishti Rawat Riyansh Sharma	B.Sc. (H) Computer Sc.	WanderLust	Ms Gunjan Rani Prof. Sharanjit Kaur (Computer Science)
11.	Chandan Kumar Shorya Bhatnagar Shubh Sankhyadhar	B.Sc. (H) Computer Sc.	Translating Court Judgments into regional languages	Ms Gunjan Rani Dr Mahesh Kumar (Computer Science)
12.	Dinesh Kumar Mihir Kumar Sah	B.Sc. (H) Computer Sc. Semester IV	Free Online Repository for Various Stages in Crop Production	Ms Nishu Singh (Computer Science)
13.	K. Kanak Megha	B.Sc. (H) Computer Sc. Semester IV	D2C:Portal for selling agricultural produce using greedy algorithm	Dr Preeti Marwah (Computer Science)
14.	Priyam Tripathi	B.Sc. (H) Computer Sc.	Impact of AI Model	Dr Mahesh Kumar (Computer Science)
15.	Sheelam Saroj	B.Sc.(H) Zoology	Mitosis using acetocarmie staining technique	Prof. Ravi Toteja, Prof. Seema Makhija (Zoology)

6.2.1.9.1.3 Tutorial Lectures recorded by Faculty

CEC Gurukul lectures recorded by Prof. Charu Gupta, Department of Botany

1. Anther- Part I , December 27, 2023 <https://youtu.be/vM4VJ2Ay1Ts?si=EXd3mYwz9tuZxQ77>
2. Anther- Part II, December 27, 2023 <https://youtu.be/3C-sT-zBAF4?si=x3hZ4v6CVg6FZYAC>
3. Pollen Development-1, January 29, 2024 <https://www.youtube.com/watch?v=EJNDPwSaK0s>
4. Pollen Development-2, January 29, 2024 <https://www.youtube.com/watch?v=MvXc34LBfRg>
5. Pollen Development – III, February 27, 2024 <https://youtu.be/b7EhlygvdYk?si=gHyQLQHt6BQh7k1u>
6. Pollen Development –IV, February 27, 2024 https://youtu.be/JYVxN06AV9M?si=zxhn9SA7g_nvY6sB

7. The Angiosperm Ovule 1, March 20, 2024 https://youtu.be/_yObK_dVY8c?si=xBketCRQGFItHQil
8. The Angiosperm Ovule 2, March 20, 2024 https://youtu.be/tO6BkiknOXY?si=f6hTsbym_VSx3PvH
9. Components of Embryo Sacs in Angiosperms, April 29, 2024 <https://youtu.be/RnhUAdE9oV8?si=Bhw2VaZeTze1WVy7>
10. Different types of Embryo Sac Development in angiosperm, April 9, 2024 https://youtu.be/7w2rj3L_Ri8?si=KHuT8aXi5civ55Lb

6.2.2 New Initiatives under DBT STAR College Scheme

6.2.2.1 Value Addition Courses by Acharya Narendra Dev Kaushal Kendra

S.No.	Name of the Course/ Workshop	Period	Hours	No of Students attended the Course/Workshop
1	Practical Training in Research Methodologies for college students	October 28, 2023-April 27, 2024	40	08
2	e-workshop on "Learning the basics of ChemDraw Software"	February 8, 2024	04	06
3	'Exploring the Fundamentals of Scifinder'	March 14, 2024	03	11
4	Tools and Techniques in Biological Sciences: 2 nd Edition	January, 2024-March, 2024	30	32

Practical Training in Research Methodologies for College Students

Course Convenors: Prof. Pooja Bhagat and Prof. Seema Makhija

The college conducted certificate courses namely "Practical Training in Research Methodologies" specifically for undergraduate students. The course was designed by Prime Minister Research Fellows (PMRF) of IIT Delhi. It was a 40 Hrs certificate course. The course aimed to expand students' horizons beyond the classroom, imparting practical skills outside the curriculum to foster a deeper connection with the world and guide towards rewarding career choices. Many students harbor untapped potential for impactful research and possess abundant knowledge, yet without motivation and clear direction, they may veer towards alternative career trajectories. Hence a 40-hour course was introduced with added value to the curriculum in an

effort to teach or advise more and more students about the potential career in research. Course work was taught by the 10 PMRF Scholars of IITD on Saturdays and Sundays. The course was comprised of 5 units which were as follows:

1. Tutorials on the Chemdraw Software (08 hours)
2. Chemical bonding in conjugated π -systems – Theory and Computation (08 hours)
3. Tutorials on the Origin Software (08 hours)
4. How to Perform a Reaction (08 hours)
5. Theoretical Vs Practical (08 hours)

Main attractions of the course were:-

- ◆ Training by PMRF (Prime Minister's Research Fellow) scholars from IIT Delhi.
- ◆ No fee was charged for this course.
- ◆ Certificate was provided after successful completion of the course.
- ◆ Students got the opportunity to work in the laboratories at IIT Delhi.

E-workshop on 'Learning the Basics of ChemDraw Software'

Workshop Convenors: Prof. Pooja Bhagat and Prof. Seema Makhija

The college organized an e-workshop on "Learning the Basics of ChemDraw Software" on February 18, 2024, under the aegis of DBT-STAR College Scheme and Viksit Bharat Abhiyan. The aim was to familiarize students with the essential tool for creating chemical structures and to delve deeper into its functionalities. The workshop was conducted virtually using a combination of live demonstrations, interactive sessions, and hands-on exercises. Participants were provided with access to the ChemDraw software and relevant learning materials prior to the workshop. The sessions were structured to cover both basic and advanced aspects of ChemDraw. Mr Ankit Rai, Prime Minister Research Fellow (PMRF), a PhD Scholar from the Department of Materials Science & Engineering at IIT Delhi, served as the resource person. The workshop saw active participation from nine students and concluded with an interactive assessment session.

Workshop on 'Exploring the Fundamentals of SciFinder'

Workshop Conveners: Prof. Pooja Bhagat and Prof. Seema Makhija

The college organized a workshop on 'Exploring the Fundamentals of

SciFinder' on March 14, 2024, as part of the DBT-STAR College Scheme and Viksit Bharat Abhiyan. The aim was to familiarize the participants with the functionalities and applications of SciFinder, a comprehensive scientific research tool widely used in academia and industry. The workshop sought to enhance participants' research skills and enable them to effectively utilize SciFinder for their scientific inquiries. Mr Ankit Rai, a PhD Scholar from the Department of Materials Science & Engineering at IIT Delhi, served as the resource person. The workshop saw active participation from eleven students and concluded with an interactive session.

Tools and Techniques in Biological Sciences: 2nd Edition

Course Co-ordinator: Prof. Seema Makhija and Prof. Pooja Bhagat

Through this course, students not only acquire fundamental laboratory skills but also enhance their research learning and practical experience in biology. By engaging in experiments ranging from safety procedures to culturing techniques and biochemical assays, students develop critical thinking and problem-solving abilities essential for conducting scientific research. They learn to analyse and interpret data, critically evaluate research literature, and effectively communicate their findings through presentations and scientific writing. Moreover, hands-on experience in bacterial culturing, transformation, and environmental sample analysis fosters a fundamental understanding of microbiological experiments. In addition to laboratory skills, the inclusion of research paper presentations further enriches students; research learning and practical experience in biology. By presenting selected research topics to their peers, students hone their abilities in research writing, critical analysis, and communication. They learn to effectively summarize complex scientific concepts, articulate their ideas clearly, and respond to questions and feedback from their audience. This comprehensive approach not only strengthens their theoretical knowledge but also cultivates practical skills necessary for future careers in biology research and related fields.

6.2.3 International Conferences

This year, college organized two international conferences by the grant received from INSA, DST and Department of Biotechnology (DBT). Such support plays a pivotal role in encouraging academic interactions, sharing knowledge, and promoting collaborative research initiatives. Organizing International conferences holds numerous advantages for both ANDC and the wider academic fraternity.

6.2.3.1 Organized 8th International Conference of Indian Network for Soil Contamination Research (INSCR) along with 4th International Symposium for Ciliate Biology (ISCB)

on Exploring the Microbial World: From Human Health to Environmental Sustainability was organized on April 03-05, 2024 jointly by Indian Network for Soil Contamination Research (INSCR), Acharya Narendra Dev College and PhixGen in association with of Kirori Mal College, Gargi College, Swami Shraddhanand College, Ramjas College, Hansraj College, Hindu College, Shivaji College, Deen Dayal Upadhyaya College, SGTB Khalsa College, Miranda House, Deshbandhu College, Bhaskaracharya College of Applied Sciences, University of Delhi, Symbiosis International University, Dev Bhoomi Uttarakhand University and Jamia Millia Islamia. The conference was sponsored by Indian National Science Academy-IUMS, Department of Biotechnology (DBT) and Department of Science & Technology (DST), Govt. of India. The dignitaries for the inaugural session included the Honourable Patron of the conference; Prof. R C Sobti, Prof. T. Ramamurthy, Guest of Honour; Co-patron Prof. Balaram Pani, Dean Colleges and Prof. Shree Prakash Singh, Director South Campus; Prof. Sudeshna Mazumdar, Chairperson, ANDC, Prof. Rup Lal (INSCR President and Conference Chair) and Prof. Ravi Toteja, Conference co-chair and Officiating Principal, Acharya Narendra Dev College. This year 80 international and national speakers presented their cutting edge research data to more than 600 participants. This year a special session was held on Entrepreneurship and Innovation in Sciences aimed to explore the dynamic intersection between scientific innovation and entrepreneurial endeavors. With a focus on fostering an ecosystem conducive to innovation, the session featured esteemed speakers who shared insights, experiences, and success stories in the field. First keynote lecture by was by Dr Jitendra Kumar (Managing Director, BIRAC) on "*BIRAC-Catalyzing the Biotech Innovation Ecosystem in India*". Dr Dhruv Rana (CEO, ANDC inStart Foundation) on "*ANDC inStart Foundation: Our journey, impact and how we support startups*". He shared the journey, impact, and initiatives of the ANDC inStart Foundation in supporting startups and fostering innovation ecosystems. A special session was kept on April 4, 2024 for faculty to present the research that they carried out in UG/PG Colleges. Participating colleges/universities included the University of Haryana, University of Allahabad, ICAR-NBAIM, Central University of Tamil Nadu, IIT Delhi, Jamia Millia Islamia, University of Jammu, and many colleges of the University of Delhi. The faculties were judged based on their presentation, content, work, and time. A total of 22 faculties were selected for presentation out of which two best presenters were shortlisted and awarded in valedictory

ceremony. A session of Oral Presentations by UG/PG/PhD Students was held on Day 3 (April 5, 2024). A total of 40 participants registered for the oral presentation from various colleges in India and research institutes from the country. This dynamic session provided students with a platform to present their research projects, innovative ideas, and academic endeavors in a concise and engaging format, fostering interdisciplinary exchange, collaboration, and scholarly dialogue among peers, faculty, and industry Professionals. A few of them joined online also. All participants presented very well and with great enthusiasm. After each presentation, there was a question answer session conducted by chairpersons and co-chairs. Students delivered engaging and informative presentations, effectively communicating their research objectives, methodologies, results, and conclusions within the allocated time frame. Based on the content of the presentation, their way of presenting, and the question-answer session, participants were evaluated and the best three were awarded in the valedictory ceremony. Another landmark of this Conference was International Symposium on Ciliate Biology (ISCB 2024) that was held on April 05, 2024 in hybrid mode in collaboration with INSCR. The scientific content of the symposium included a wide gamut of aspects of ciliate biology: Biodiversity, Ecology, Evolution, Systematics, Genomics, Epigenetics, DNA Barcoding and Proteomics. Eleven Speakers of International repute enlightened the gathering about their research work. The symposium also gave opportunity to UG/PG students and research scholars to present their research work in oral and poster sessions. One of the highlights of the conference was that the First Meeting of the Indian Society of Ciliate Biology was chaired by Dr Komal Kamra. This society is proposed to be an affiliate society of INSCR in GB Meeting. The symposium provided a platform for the ciliate interest group to exchange information, present the latest research findings, and establish collaborations and networking opportunities for students wishing to take up doctoral or postdoctoral research on ciliates.

Poster presentation session provided a comprehensive overview of current research and advancements in the field of microbiology. The session attracted a diverse group of researchers, scholars, and industry professionals keen on exploring the latest discoveries and innovations. There were a total of 90 posters which were evaluated by judges and presenters explained their research, the novelty of the study, and future applications of their work to judges. Looking at the great number of participation and enthusiasm, total of 10 posters were selected as the best posters. From fundamental insights into microbial ecology to practical applications in healthcare and

industry, the session highlighted the diverse and impactful contributions of microbiology to science and society.

The valedictory session marked the conclusion of an insightful and engaging conference on microbial world, bringing together experts, researchers, and enthusiasts from around the world where Dr Jitendra Kumar was the Chief Guest and Prof. Mrutyunjay Suar and Dr Garima Gupta was guest of honour. The session reflected on the key takeaways, advancements, and future directions in microbiology research and conservation.

6.2.3.2 Co-organized International Conference on Chemical and Biological Sciences (ICCBS-2024):

The Department of Chemistry of Acharya Narendra Dev College (University of Delhi) under the aegis of Internal Quality Assurance Cell (IQAC) and DBT Star College scheme co-organized three days International Conference on Chemical and Biological Sciences (ICCBS-2024), Atma Ram Sanatan Dharma College (University of Delhi) in association with Kwangwoon University (South Korea), North-West University (South Africa), and SRM Institute of Science & Technology (Ghaziabad) from January 27-29, 2024. The conference aimed to unite the global academic community in a shared endeavor, to explore the latest developments and breakthroughs in the domains of Chemistry, Computational Chemistry, Drug Development, Bioenergy, Bioinformatics, Plasma Biosciences, Environment, Plasma Physics, and Biological Sciences. The conference included keynote session, invited and oral talks. The Conference attracted 282 participants from various backgrounds, including experts, researchers and academics. The conference featured 38 invited speakers from countries including the USA, Brazil, Singapore, South Korea, South Africa, Japan, UAE, and Canada, enriching the discussions with their expertise. A total of 221 oral presentations were delivered, covering a wide range of topics within the chemical and biological sciences domain. The event also included the recognition of excellence through 12 Best Oral Presentation Awards, acknowledging outstanding contributions and innovative research. Furthermore, prominent journals ChemBioChem and Chemistry and Biodiversity of Wiley Publisher will publish special issues dedicated to the conference's submitted papers, enhancing the dissemination of cutting-edge research and fostering ongoing collaboration within the scientific community. The conference covered key themes, including Advances in Chemical Synthesis, Biological Systems and Applications, Environmental Impact and Sustainability, Computational Modeling and Data Analysis, and Emerging Technologies and Innovations, and it comprehensively explored

the subject matter. Insights gained from discussions during the conference revealed emerging trends, challenges, and opportunities in the chemical and biological sciences, setting the stage for future collaborations, research endeavors, and advancements. In conclusion, the International Conference on Chemical Biological Sciences was a testament to the collaborative efforts and dedication of the global scientific community, driving forward the frontiers of knowledge and innovation in the field.

6.2.3.3 Co-Organized Fostering Sustainable Catalysis (FSC 2024):

The international conference on Fostering Sustainable Catalysis, FSC-2024, organized by Department of Chemistry, University of Delhi and Maharaja Surajmal Brij University from January 19-20, 2024. The special lectures by eminent scientists on fostering sustainable catalysis with the theme of Application of Sustainable Catalysis for the Human Wellbeing, brings together chemists from India and France with complementary and diverse expertise in the general areas of homogeneous and heterogeneous catalysis, green chemistry, and sustainability, comprising the efficient and safe fabrication of useful complex molecules and materials, the production/storage of renewable energy, biomass transformations, biodegradable polymer formation/recycling and the development of new catalytic systems based on abundant metals. The exchange of information and ideas aimed at promoting innovations and discovering new applications in advanced catalysts, clean synthetic methods, catalytic processes for industry.

6.2.3.4 Co-organized Annual Convention of Chemists (ACC 2023):

60th Annual Convention of Chemists (ACC 2023), organized on December 20-21, 2023 by the Indian Chemical Society, which is part of the Centennial Jubilee Celebration. It was held to celebrate the society's remarkable journey over a century, and embark on an exciting new chapter, of exploring the critical role of chemistry in the next zero goal, circular economy, and sustainability. The conference included participation by leading industries, academics, Noble Laureates and students, international Chemical Societies and Padma awardees. Hon'ble Shri Nitin Gadkari, Cabinet Minister for Road Transport was the Chief Guest. This event provided a platform for eminent academicians to share their research and connect with seasoned scientists from India and around the world. The exchange of ideas and mentorship undoubtedly would shape the future in this field. The exciting and enlightening event highlighted the continued growth and success of the Indian Chemical Society. The 60th Annual Convention of Chemists

was a resounding success, fostering collaboration, inspiring innovation, and enriching our understanding of the chemistry that shapes our world.

6.2.4 International/National Workshops

6.2.4.1 Workshop on Art of Scientific Writing and Communication:

A workshop on “*Art of Scientific Writing and Communication*” was organized by the Federation of European Microbiological Societies (FEMS) & Indian Network for Soil Contamination Research (INSCR) in collaboration with Acharya Narendra Dev College (ANDC), the University of Delhi on April 02, 2024, in Seminar Room at ANDC. This workshop was organized with the motive to upskill young minds for students who are keen on learning scientific writing and how to publish in high-impact journals. The workshop touched on various elements of scientific papers like titles, abstracts, introductions, methods, results, tables and figures, discussions, references, etc. The workshop provided a platform for researchers, postgraduate & undergraduate students, and even school students to learn to present their findings and review their works in the form of graphics. The workshop enlightens on how to become effective writers using research data and represent it in the easiest and best possible way. It also shed light on the format of a scientific manuscript, peer review, funding etc. The workshop was conducted in offline mode and total of 51 registrations were received from students and faculties from various universities and research institutes in India. The workshop started with the introductory remarks and welcome address by Prof. Ravi Toteja, officiating Principal, ANDC in the presence of Prof. Rup Lal (FEMS Ambassador, India). He mentioned about the foundation of this workshop and he appreciated the efforts made by Prof. Rup Lal to organize this important workshop under the umbrella of FEMS. He also introduced the participants to the workshop and college. He also emphasized on the importance of sciences in today's world. It was followed by a very interesting and captivating session on “From an editor's perspective” by Prof. Jana Jass, Editor-in-Chief, FEMS Microbes. Prof. Jana Jass explained in detail about the Editorial Process in FEMS Journals. She gave important tips about manuscript preparation emphasizing key points in methodology, results and figures, discussion, and the importance of introduction of a manuscript. She also acknowledged the hard work of reviewers in reviewing the submitted draft. She also spoke about Journal policies on publication ethics set out by the Commission on Publication Ethics (COPE). The session was followed by “Introduction to the Federation of European Microbiological

Societies (FEMS) and its activities” by the Ambassador of FEMS in India, Prof. Rup Lal. He presented the FEMS activities conducted in India from the year 2022-2024 and also informed the audience about the upcoming events of FEMS in 2025. The next session was an “Introduction to FEMS Journals (Publishing in FEMS Journals)” conducted by Dr Gauri Garg Dhingra. FEMS journals play a crucial role in the field of microbiology and are a reputable source of scientific research and advancements in microbiology. The audience was briefed about the portfolio of 7 journals that FEMS publishes in Oxford University Press. All journals, except FEMS Microbiology Letters, are fully Open Access. The students were apprised about the importance of open-access journals. The scope of each journal was explained with their major highlights. The audience was also informed about various Journal Awards and Prizes which FEMS offers to support its mission of advancing microbiology for the benefit of society.

6.2.4.2 Workshop on Genomics, Metagenomics & Bioinformatics in Microbial Ecology:

A workshop on “*Genomics, Metagenomics & Bioinformatics in Microbial Ecology*” was organized by the International Society for Microbial Ecology (ISME) & Indian Network for Soil Contamination Research (INSCR) in collaboration with Acharya Narendra Dev College (ANDC), University of Delhi on April 02, 2024. This workshop was organized with various modules designed for UG/PG/PhD students to provide them with detailed knowledge of different bioinformatics tools for genomics data analysis, phylogeny, metagenomics, etc. This workshop was organized with the motive to upskill young minds for students who are keen on learning Bioinformatics. A total of 64 participants attended the workshop in offline mode at the computer lab of ANDC. The pre-conference workshop was started with an introductory remark and welcome address by Prof. Ravi Toteja, Officiating Principal, Acharya Narendra Dev College (ANDC), University of Delhi. Prof. Toteja welcomed all the participants and gave opening remarks about the importance of such a program to be run along with the academic endeavours of the students and the need for such a workshop for students to inculcate interdisciplinary abilities. This was followed by Introduction to ISME and Activities of ISME held in INDIA for propagating microbial ecology by Prof. Rup Lal, Senior ISME Ambassador, ANDC, University of Delhi. The talk provided attendees with valuable insights into ISME's role in advancing microbial ecology research globally and its specific activities and collaborations within India. By sponsoring workshops worldwide and promoting excellence in

research, ISME plays a pivotal role in advancing scientific knowledge and addressing societal challenges through microbial ecology. Afterwards, Dr Utkarsh Sood, Kirori Mal College, University of Delhi introduced the different ISME journals and provided an in-depth overview of the journals affiliated with the International Society for Microbial Ecology (ISME). The session aimed to familiarize attendees with the diverse range of journals available under the ISME umbrella, their scope, and their significance in advancing microbial ecology research worldwide. Then, a recorded message was given by Prof. Thulani Makhalanyane, Editor in chief, Reviews and Perspectives, The ISME Journal & Professor at Stellenbosch University. He provided attendees with valuable insights into the frontiers of microbial ecology research and the role of ISME journals in advancing the field. By sharing expertise, best practices, and perspectives on current trends and challenges, the editor empowered attendees to navigate the complex landscape of microbial ecology research and contribute meaningfully to scientific knowledge and innovation.

6.2.4.3 Hands-On Training Workshop on Arduino Microcontrollers and PCB Designing

Coordinator: Prof. Arijit Chowdhary, Prof. Chandra Kanta Samal

Date: March 18-22, 2024

No. of Participants: 42

Department of Physics, Department of Computer Science and Internal Quality Assurance Cell (IQAC), Acharya Narendra Dev College, University of Delhi organised a “Hands-on workshop on Arduino Microcontrollers and PCB designing” from March 18-22, 2024 under the aegis DBT STAR College scheme. The two-day hands-on workshop on Arduino microcontrollers was designed and conducted with the objective of introducing college students to the fundamentals of microcontroller programming and interfacing, with a focus on the versatile and widely used Arduino platform. Hosted by the aforementioned departments, this workshop took place on 18 & 19th March 2024 drawing enthusiastic participation from students across various disciplines eager to delve into the realms of electronics and embedded systems. Ms Babita Sharma and Mr Satyam Garg were the resource persons for the same.

Building upon the foundational knowledge from the first day, the second day of the workshop was structured around more complex projects and an introduction to the Internet of Things (IoT) using Arduino. The two-day

hands-on workshop on Arduino microcontroller successfully achieved its goal of introducing college students to microcontroller programming and interfacing, with an emphasis on practical learning and project-based activities. The enthusiastic participation and positive feedback from the students underscored the growing interest in embedded systems and IoT, areas that are rapidly evolving and have immense potential for innovation. As technology continues to advance, workshops like these play a crucial role in equipping the next generation of engineers and technologists with the skills and knowledge to lead future developments.

6.2.4.4 Three-Day Hands-On Workshop on Designing and Fabrication of Printed Circuit Boards (PCBs)

Coordinator: Prof. Arijit Chowdhary, Prof. Chandra Kanta Samal

Date: March 18-22, 2024

No. of Participants: 42

The workshop began with an opening address by Mr Arun Kumar who highlighted the workshop's objectives and the significance of PCBs in the current electronics industry. Following this, the first day was structured to introduce participants to PCB design fundamentals and familiarize them with essential software tools. PCB design process was also the focus. Participants were taught how to use simulation software to model and analyze their circuit designs for performance under various conditions. Mr Arun Kumar demonstrated simulations involving signal integrity, power integrity, and electromagnetic interference (EMI). Hands-on activities included running simulations on designs created by participants, interpreting results, and making necessary adjustments to their designs. The final day was dedicated to the fabrication and assembly process of PCBs, providing participants with a comprehensive view of bringing their designs to life.

The three-day workshop on PCB design and fabrication provided a unique platform for college students to gain valuable insights and practical experience in the electronics manufacturing process. By covering a broad range of topics from basic design principles to advanced simulation techniques and fabrication processes, the workshop equipped participants with the skills necessary to excel in their future projects and careers in electronics engineering. The success of this workshop underscores the importance of hands-on learning experiences in technical education and the department's commitment to fostering innovation and excellence in engineering.

6.2.4.5 Workshop on Graphical Abstract and Career in Publishing

Convenor: Dr Archna Pandey

Organizing Team: Dr Satendra Singh, Dr Rimpay Kaur Chowhan,
Dr Ritu Khosla and Dr Deepshikha

Date: March 08, 2024

Number of Participants: 72

The Department of Biomedical Science at Acharya Narendra Dev College, University of Delhi, organised a workshop titled “Graphical Abstract and Careers in Publishing” aimed at educating participants on the importance of graphical abstracts in scientific publications and exploring career opportunities in the publishing sector. Dr Lipsa Panda, the Communication Head at Elsevier, delivered an engaging presentation highlighting the significance of graphical abstracts and providing insights into their creation process. She stressed how graphical abstracts enhance research visibility and comprehension, offering techniques to transform written content into visually appealing summaries for better reader understanding. Participants gained valuable knowledge and skills essential for improving the visibility of their research and exploring career paths in publishing. Dr Lipsa Panda’s expertise greatly enriched the workshop experience, empowering attendees to effectively communicate their research findings and pursue opportunities in the publishing field.

6.2.4.6 One Day Workshop Hands on Experience in Blockchain

Coordinator: Prof. Chandra Kanta Samal

Date: March 05, 2024

No. of Participants: 128

This workshop was divided into two sessions, each focusing on different aspects of blockchain technology and its practical applications. In the first session, participants were introduced to the Concept of blockchain as a decentralized digital ledger that transparently records transactions viewable by anyone. The session delved into the workings of Solana, a blockchain platform utilizing proof-of-stake consensus mechanisms. The second session focused on Ethereum and Ether, a cryptocurrency similar to Bitcoin. Participants learned about Ethereum as a decentralized platform and its role as a repository for Ether. Hands-on experience was provided with Solidity, a programming language used to develop smart contracts on the

Ethereum blockchain. Participants also created wallets on Meta-mask and Phantom and gained insight into private keys, public addresses, and other essential tools and norms within the Crypto-World. Overall, participants found the workshop to be highly informative and enriching. The hands-on activities and practical demonstrations were particularly well-received, as they provided valuable insights into real-world applications and usage scenarios.

6.2.4.7 Workshop on Internet of Things

Faculty Advisor (ANDC SPIE Student Chapter): Prof. Amit Garg

Event Convenor (DBT STAR Coordinator): Dr Ravneet Kaur

Date: February 26 - March 01, 2024

Number of participants: 50

SPIE ANDC conducted a 5-day workshop on IoT with Brain Mentors Pvt. Ltd. from 26th February 2024 to 1st March 2024. Immersed in the intricacies of smart devices, sensor networks, and data analytics, participants discovered the workshop as a crucible that honed their skills and ignited their creative sparks. The impact of this newfound knowledge is anticipated to resonate long after the workshop, fostering a community driven by a relentless pursuit of technological excellence. From its inception to its culmination, the workshop embodied the essence of innovation, providing participants with a comprehensive understanding of IoT's ever-evolving landscape. Enthusiastically embracing the challenge, participants delved into unraveling the complexities of interconnected devices, sensor networks, and the transformative power of data-driven insights. It was a hands-on workshop that was beginners friendly. All the participants were divided into 15 teams and each team comprised of three members. On the first day, students were given a basic introduction to IoT and informed about the communication protocols, and by the end of the evening students had completed the setup of their respective Raspberry Pi boards, downloaded the Operating system and connected with the micro-computer with the Laptop. On the first day, students were able to implement a basic program related to Blinking of LED. On the second day, participants were asked to implement complex tasks including a traffic light controller, and were given more exposure to the working of various sensors like PIR sensors, buzzers, ultrasonic sensors, and temperature and humidity sensors. Furthermore, on the third day, students started with the revision of the code related to the

ultrasonic sensor, buzzer, and PIR sensor. Students learned more about the Bluetooth module and learned how to tackle the problems related to interfacing with the laptop. On the fourth day, a basic introduction to Databases and SQLite was given to students using Raspberry Pi. Since many students were facing problems related to networking and connecting the Bluetooth module, they were guided by the mentor on how to do troubleshooting related to this sensor. Sensor interfacing related to OLED was completed and how to display messages on the screen with the line of code. Using ultrasonic sensors and humidity sensors, students have learned how to collect data and upload it on the cloud platform. Finally, on the five days, an alternative approach was introduced to connect the Bluetooth module with the laptop. Students were asked to implement a complex project, namely making a motion detection using a PIR sensor which first includes uploading data on the Thingspeak (cloud platform) and then again fetching the same data. This marks real-time decision-making using data that is fetched a second time from the cloud. And then do decision-making based on the data depicting the change in the angle of the servo motor. Ultimately, it was an engaging workshop and showed the real-time application of IoT.

6.2.4.8 One Day Workshop on IOT and Cloud Computing

Coordinator: Prof. Chandra Kanta Samal

Date: February 29, 2024

Number of Participants: 80

Acharya Narendra Dev College is an educational and research-oriented hub of eminence of India under University of Delhi. It envisages Proffering quality education to its students while emboldening them with diverse exposure and hands-on research. The speaker conducted the sessions with valuable content with focus on the following topics:

1. **Session I:** Cloud Computing
2. **Session II:** IoT (Internet of Things)

Overall, the workshop sessions offered a balanced blend of theoretical insights and hands-on experiences, empowering attendees with the knowledge and skills needed to navigate the dynamic landscapes of cloud computing and IoT. The session was attended by around 80 participants. It was very valuable and informative not only for students but also for the faculties. Participants were interactive and showed keen interest in the workshop.

6.2.4.9 National Symposium & Hands on Training on Ecosystem Restoration & Sustainability

Convenor- Prof. Charu Khosla Gupta

Date: February 22-23, 2024

Number of Participants: 80

The two-day symposium on ecosystem restoration for sustainable development, aimed to address the pressing issues of habitat loss, species extinction, and climate change-induced landscape degradation. With a focus on India's commitment to achieving land degradation neutrality by 2030, the symposium brought together stakeholders from academia and government bodies to discuss innovative approaches and collaborative efforts for ecological restoration. The Symposium included: Ecological Restoration for India's Commitment to the Bonn Challenge and UN Decade of Ecosystem Restoration (2021-2030). The symposium provided a platform for interdisciplinary dialogue and knowledge exchange on the challenges and opportunities associated with ecosystem restoration. By bringing together experts, practitioners, and students, the event underscored the importance of collaborative action in addressing the ecological crisis and advancing sustainable living practices.

6.2.4.10 Intercollege Hands-on Workshop on Foldscope

Convenor: Dr Archana Pandey

Organizing Team: Dr Satendra Singh, Dr Rimpay Kaur Chowhan, Dr Ritu Khosla and Dr Deepshikha

Date: February 14, 2024

Number of Participants: 100

The Foldscope workshop, hosted by the Department of Biomedical Science as part of their annual fest Cathexis'24. The workshop was led by Professor Uma Chaudhary from Bhaskaracharya College of Applied Sciences, University of Delhi. Approximately 100 students from various colleges of the University of Delhi and other universities attended the workshop. Professor Chaudhary and her team provided hands-on experience with the Foldscope Microscope. The workshop began with a brief introduction to the microscope, highlighting its importance, origin, and the underlying idea behind its creation. Participants were then guided through the assembly process of the Foldscope, using simple materials such as paper cuttings, pieces of magnets, and a lens. The demonstrators explained the concept

thoroughly, and the team was supportive and cooperative in assisting the students to understand and assemble the microscope. By the end of the workshop, each participant had successfully assembled their own Foldscope Microscope, allowing them to explore the world of tiny organisms. This hands-on experience sparked curiosity among the students about microscopic organisms and their environment, enhancing their understanding of the microbiological world. Overall, the workshop provided a valuable learning opportunity for students, enabling them to engage with microscopy in a practical and meaningful way.

6.2.4.11 National Workshop on Biological Data Analysis

Convenor: Dr Rashmi Sharma, Dr Archana Pandey and Prof. Seema Makhija

Date: January 27-31, 2024

Number of Participants: 37

The Biological Data Analysis Workshop conducted at Acharya Narendra Dev College, University of Delhi, spanning five days, provided a comprehensive platform for students from diverse academic backgrounds to delve into the intricacies of data analysis in the realm of biology. With attendees ranging from undergraduate students to Ph.D. scholars hailing from disciplines such as Zoology, Botany, Biomedical Sciences, Computational Biology, Microbiology, and others, the workshop aimed to equip participants with essential skills and knowledge crucial for navigating the rapidly evolving landscape of biological research. The workshop was in online mode. It included a 45 minute lecture by different experts and 3-hr hands-on session by Alok Anand every day. This workshop included “Gen AI 4 Healthcare,” Biomedical Image Data Analysis, Fundamentals of Biostatistics, Personalized Medicine and Big Data in Healthcare, and Prompt Engineering for Biomedical Data Sciences

In conclusion, the Biological Data Analysis Workshop facilitated an enriching learning experience for participants, offering a holistic understanding of the pivotal role of data analysis in driving breakthroughs in biological research and healthcare. By bridging the gap between theoretical knowledge and practical application, the workshop served as a catalyst for fostering a new generation of adept and skilled Professionals poised to tackle the challenges and opportunities in the field of biological data analysis. Throughout the workshop, spanning from Day 1 to Day 5, participants engaged in immersive, three-hour hands-on sessions dedicated to R programming for Biological Data Analysis, by Alok Anand. These sessions commenced with a comprehensive introduction to programming fundamentals,

gradually progressing towards advanced topics such as data visualisation and statistical analysis techniques tailored for biological datasets. Under the guidance of expert instructors, students gained practical experience in leveraging R's powerful capabilities, equipping them with the skills necessary to manipulate, analyse, and visualise biological data effectively, thus fostering a deeper understanding of the principles and methodologies underlying biological research.

6.2.4.12 Workshop on Ayurveda and Nutrition

Convenor: Dr Geetika Kalra

Date: November 30, 2023

Number of Participants: 75

Workshop on Aryurveda and Nutrition was organized by the Department of Botany. The workshop emphasized on the ayurvedic way of taking care of body and mind. Resource person, Dr Ramesh Guguloth explained in detailed manner about individual prakriti and shared a questionnaire to assess ones'sprakriti and advised to act accordingly. Ayurveda is a traditional Indian system of medicine, emphasizes a holistic approach to health, striving to maintain balance between mind, body, and spirit. Ayurvedic practices encompass herbal remedies, dietary guidelines, and lifestyle recommendations customized to an individual's unique constitution or dosha. Ayurveda offers a holistic approach to restoring balance in the body, mind, and consciousness, addressing the root causes of our discomfort and promoting overall well-being.

6.2.4.13 National Workshop on Raising Awareness on Urban Air Quality, Climate Change, Health and e-Resillience

Convenor: Prof. Ravi Toteja and Prof. Seema Makhija

Date: November 28, 2023

Number of Participants: 77

Promoting environmental awareness and responsibilities, Acharya Narendra Dev College, University of Delhi, organized the National Workshop in collaboration with Environmental Pollution Laboratory (EPL), Department of Environmental Studies, University of Delhi, sponsored by Department of Science and Technology (DST), Government of India. The workshop titled 'Raising Awareness on Urban Air Quality, Climate Change, Health and e-Resillience' was hosted by Department of Zoology, ANDC, on November

28th, 2023. Prof. Ravi Toteja, officiating principal, ANDC, welcomed the guests and initiated the program by lighting the lamp along with invited speakers and faculty members. Chief guest Prof. Shachi Shah, Head, SOITS, IGNOU addressed the audience and highlighted the importance of science and different visions in it for the world. Prof. Chirashree Ghosh, Department of Environmental Studies, University of Delhi, was the key resource person of the event. She along with her team emphasized on the actual causes and condition of air in the National Capital. She kept the session quite interactive and passed the valuable information to the budding youth. Students were made aware about the lung health and were given knowledge about spirometer also in the hands on session led by Dr Arun Kumar where he actually tested the lung health of two of the individuals from the audience and interpreted the results and their importance as well. Air quality session was followed by the much needed lecture of the time by Prof. Namita Rajput, Shri Aurobindo College, University of Delhi, on 'Creating safe campus: Understanding and Implementing UGC guidelines for Gender Sansitization'. She imparted such required information in a very friendly manner and awared all about the rules and punishments under different sections as mentioned by UGC for the prevention of sexual harrasment of women in the work place. After this informative session, students were bought back to the nature by interesting talk delivered by Mr Gaurav, Assistant Professor, Ramanujan College, University of Delhi, on 'Snakes in the city'. Being someone immersed in snakes and their study, he succeeded in developing the students' interest in the same as well by displaying the real images and videos of his own encounters with snakes of the Capital region. He also delivered lecture on different classes and species of snakes found and their basis of classification.

6.2.4.14 Workshop on Machine Learning with Python

Faculty Advisor, ANDC SPIE Student Chapter: Prof. Amit Garg

Event Convenor, DBT STAR Coordinator: Dr Ravneet Kaur

Date: September 25-29, 2023

Number of participants: 40

SPIE Student Chapter, ANDC, in collaboration with Brain Mentors Pvt Ltd, organized a comprehensive 5-day workshop on Machine Learning with Python from September 25 to September 29, 2023. Guided by the esteemed industry trainer Mr Kumar Kaushik, the workshop aimed to provide an in-depth exploration of machine learning, data science, and Python, emphasizing their real-world applications. With a commitment to

fostering expertise in emerging technologies, SPIE ANDC welcomed over 40 participants to this immersive learning experience. The main themes of the workshop were:

1. Introduction to AI and Python Basics
2. Building Python Foundations
3. Exploring NumPy and Jupyter Lab
4. Introduction to Pandas for Data Manipulation
5. Building a Recommendation Program

The workshop successfully equipped participants with valuable knowledge and hands-on experience, aligning with SPIE ANDC's commitment to nurturing expertise in emerging technologies.

6.2.4.15 Workshop on 3D Printing Technology

Faculty Advisor, ANDC SPIE Student Chapter: Prof. Amit Garg

Event Convenor, DBT STAR Coordinator: Dr Ravneet Kaur

Date: September 23, 2023

Number of participants: 35

On September 23, 2023, the SPIE Student Chapter at Delhi University hosted a one-day workshop centered on 3D printing technology. The primary objective of the workshop was to equip students with a thorough comprehension of 3D printing technology, encompassing its historical evolution, diverse types of 3D printers, and its wide-ranging industrial applications. Mr Shivansh Bhatnagar, a former member of the SPIE Chapter, served as the workshop's resource person, adhering to the Train the Trainer philosophy. He underwent a six-month dissertation supervised by the Chapter's Faculty Advisor, Prof. Amit Garg, to gain expertise in this domain. The workshop was divided into two sessions: a theoretical session and a practical demo session. In the theoretical session, the resource person introduced the participants to the history and progress of 3D printing technology. He also discussed the different types of 3D printers and their industrial applications. In this session, participants learned the basics of Blender and how to use it to create simple 3D models. The second session was a practical demo session. In this session, participants were divided into seven groups of five students each. Each group was given a hands-on demo on a Flash Forge 3D printer. The participants learned a lot about 3D printing technology. They also had the opportunity to get hands-on experience with 3D printers. The workshop was a valuable learning experience for all participants.

6.2.4.16 Hands on Workshop on Basic Language Skills

Convenor: Prof. Pooja Bhagat

Date: August 07-11, 2023

Number of Participants: 15

Acharya Narendra Dev College (University of Delhi) organised a Hands on Workshop–Basic Language Skills under the aegis of DBT Star College Scheme and IQAC from August 7-11, 2023. Prof. Ravi Toteja, Officiating Principal of the college, was the patron of the workshop. Under his able guidance and with the help and support of Prof. Pooja Bhagat, coordinator of the event, the 5 day workshop was conducted successfully. 15 students of the college participated in the workshop. Dr Joita Dhar Rakshit, Assistant Professor, Department of English, ANDC, was the resource person of the hands on workshop. She covered the 4 basic skills of language – listening, speaking, reading and writing – on the first four days. The last day was dedicated to revision, queries, doubts and clarifications. During the course of the workshop, the participants were given hands on experience in the language lab of the college. Using the Orell software in the language lab, they had practical sessions on the four basic skills of language. The students found the hands on experience interesting and very helpful and enthusiastically attended all the sessions. On the last day, certificates were given to those participants who had successfully completed the 5 day workshop by Prof. Ravi Toteja. Overall, the participants responded positively and expressed the desire to participate in more such workshops in the future.

6.2.5 Training Courses Conducted by the College for the Faculty:

6.2.5.1 FDP on “NEP Orientation and Sensitization”

Convenor: Prof. Ravi Toteja and Prof. Seema Makhija

Date: June 04-14, 2024

Acharya Narendra Dev College, in association with UGC-Malaviya Mission Teacher Training Centre (MMTTC) under the aegis of UGC and the Ministry of Education organized an online Faculty Development Programme (FDP) on “NEP Orientation and Sensitization”. The programme took place and consisted of live online sessions via Zoom. It aimed to provide an in-depth understanding of the National Education Policy (NEP) and its implementation in higher education. The programme was free of charge, and participants were required to keep their video cameras on during sessions, as attendance was monitored and compiled through screenshots

for UGC compliance. The FDP spanned 8 days, with two live sessions (each session of 1.5 hours) conducted each day, totalling 16 sessions. The schedule was as follows:

Day	Date	Session 1 (05:00-06:30 PM)	Session 2 (06:30-08:00 PM)
Day 1	June 04, 2024	Higher Education and Society -I by Prof. A.K. Bakhshi	NEP Overview and Higher Education and Society - II by Prof. Ved Prakash
Day 2	June 05, 2024	Skill Development - Part 1 by Prof.Ved Prakash	Curriculum Development, Teaching-Learning, and Assessment - I by Prof.Vimal Rarh
Day 3	June 06, 2024	Student Diversity and Inclusive Education by Prof. Sarita Passey	ICT and Learner-Centric Models by Prof. A.K. Bakhshi
Day 4	June 07, 2024	Research and Development-I by Prof. Bibhu Prasad Sahoo	Academic Leadership, Governance, and Management - Autonomy and Choice by Prof. Ved Prakash
Day 5	June 11, 2024	Indian Knowledge Systems by Dr Shimla	Skill Development - II by Prof. A.K. Bakhshi
Day 6	June 12, 2024	Practical Skills for the Use of ICT in Teaching & Research by Dr Arun Julka	Research and Development – II by Prof. Jaswinder Singh
Day 7	June 13, 2024	Holistic and Multidisciplinary Education by Prof. Shakila T. Shamsu	Information and Communication Technology - II by Sh. N.K. Sinha
Day 8	June 14, 2024	Academic Leadership, Governance, and Management - II by Prof. A.K. Bakhshi	Curriculum Development, Teaching-Learning, and Assessment - II by Prof.Vimal Rarh

This FDP provided participants with a thorough understanding of the National Education Policy (NEP) and its impact on higher education. The sessions emphasized the importance of skill development, curriculum innovation, and effective teaching and assessment practices. Additionally, the use of ICT tools was highlighted as a key component in enhancing both teaching and research processes. Participants also gained insights into the role of academic leadership and governance, with discussions focused on fostering institutional autonomy and promoting inclusive, sustainable practices in higher education. Regular feedback was taken from participants,

and for assessment, two online quizzes, each lasting 40 minutes, were conducted. Only after successfully completing these quizzes were FDP completion certificates provided.

The program served as an important step in aligning faculty members with the goals of NEP 2020, equipping them with essential tools for academic excellence. The interactive sessions engaged participants from various institutions, fostering discussions on the challenges and opportunities brought by the NEP. Overall, the FDP succeeded in fulfilling its mission of creating a more informed and prepared faculty body, ready to adapt and implement NEP reforms in their respective academic roles.

6.2.5.2 FDP on Forensic Chemistry

Convenors: Prof. Ravi Toteja (Department of Zoology), Dr Archna Pandey (Department of Biomedical Science) and Prof. Geetu Gambhir (Department of Chemistry)

Organising team: Department of Chemistry: Prof. Sunita Hooda, & Department of Biomedical Science: Dr Satendra Singh, Dr Ritu Khosla, Dr Rimpay Kaur Chowhan and Dr Deepshikha

Date: April 22-30, 2024

Number of Participants: 76

A one-week Faculty Development Program on Forensic Chemistry was organized by UGC-MMTTC (formerly GAD-TLC) in collaboration with three esteemed academic units at the University of Delhi: Acharya Narendra Dev College, the Department of Anthropology, and the Forensic Science Unit at SGTB Khalsa College. The program took place daily from April 22nd to April 30th, 2024, from 4:00 to 7:30 pm. Seventy-six faculty members from various colleges across India participated in the program, with technical sessions conducted online via the Zoom platform. The FDP commenced with an inaugural session under the patronage of Prof. Yogesh Singh, Vice Chancellor of the University of Delhi. Prof. Payal Mago, Chairperson of the Skill Enhancement Courses Committee and Director of SOL, University of Delhi, was the Guest of Honor. Notable dignitaries included Dr VimalRarh, Coordinator of UGC-MMTTC; Prof. Ravi Toteja, Principal of ANDC; Prof. S M Patnaik, Head of the Department of Anthropology; and Prof. G S Sodhi, Former Professor & Forensic Science Expert at SGTB Khalsa College. The program comprised 12 technical sessions covering various topics aligned with the SEC-based syllabus of Forensic Chemistry, delivered by experts in their respective fields. Each session was followed by discussions and Q&A sessions

with the participants. Daily feedback was collected from all participants, culminating in an overall assessment of the FDP as per UGC norms, Prof. Sodhi delivered the keynote address, providing insights into forensic chemistry, its fields, and its significance. Dr Rajvanshi, Former Additional Director; Head of Forensic Faculty at LNJP National Institute of Criminology, Forensic Science, shared insights on “Fire/Arson: Composition and Analysis” from his extensive 40+ years of experience. Dr Ritu Saxena, Deputy Medical Superintendent and Head of the Emergency Medicine Department at Lok Nayak Hospital, delved into the topic of “Poisons: Classification and Detection” offering a comprehensive overview and detection strategies. The FDP concluded with a Valedictory session wherein Prof. Vimal explained the assessment pattern faculties should follow for their students, emphasizing the importance of rubric-based assessment. The process of completing assignments given to the participants for the FDP completion was also elaborated. The highlight of the FDP was a one day hands-on session organized at and by the Department of Biomedical Science, ANDC. The hands-on session was attended by six faculties in physical mode and for others who joined through zoom, all the demonstrations were streamed live. Handbooks were provided to all the participants for writing/pasting their own results for each experiment. The workshop included sessions including fingerprint development by physical methods using powders and chemically by iodine fuming, 3D footprint upliftment, Handwriting and Ink composition analysis, Estimation of alcohol in liquor samples, usage of phenolphthalein in trap cases, etc.

6.2.5.3 FDP on Forensic Science

Convenors: Prof. Ravi Toteja (Principal, ANDC), Dr Archana Pandey (Department of Biomedical Science) and Prof. Geetu Gambhir (Department of Chemistry)

Date: April 06-18, 2024

Number of Participants: 83

A nine-day Faculty Development Program (FDP) on Forensic Science was conducted by UGC-MMTTC (formerly GAD-TLC) in partnership with three esteemed academic units of the University of Delhi: Acharya Narendra Dev College, the Department of Anthropology, and the Forensic Science Unit at SGTB Khalsa College. The program took place from April 06-18, 2024, with sessions held daily from 4:00 to 7:30 pm. Eighty-three faculty members from colleges across India participated, with technical sessions conducted online via the Zoom platform. The FDP commenced with an inaugural session presided over by Prof. Yogesh Singh, Vice Chancellor of the University of

Delhi, and Prof. Payal Mago, Chairperson of the Skill Enhancement Courses Committee and Director of SOL, University of Delhi, as the Guest of Honor. Notable dignitaries included Dr Vimal Rarh, Coordinator of UGC-MMTTC; Prof. Ravi Toteja, Principal of ANDC; Prof. S M Patnaik, Head of the Department of Anthropology; and Prof. G S Sodhi, Former Professor; Forensic Science Expert at SGTB Khalsa College. Dr Ritu Khosla, Assistant Professor at ANDC, anchored the session. Prof. S M Patnaik delivered the keynote address, providing insights into forensic science, its fields, and its importance.

Sixteen technical sessions, aligned with the SEC-based syllabus of the University of Delhi on Basic Forensic Science, were conducted by experts in their respective fields. Each session was followed by discussions and Q&A sessions with the participants. Daily feedback was collected and consolidated into an overall assessment of the FDP. Topics covered included Forensic Biology, Crime Ethnographies, Anthropological Inputs into Forensic Death Investigations, and the Role of Forensic Anthropology in Personal Identification. The FDP concluded with a Valedictory session wherein Prof. Vimal elucidated the assessment pattern for faculties to follow for their students, emphasizing the importance of rubric-based assessment. The process of completing assignments given to participants for the FDP completion was also explained.

6.2.5.4 FDP on Sericulture: Rearing and its Applications

Coordinators: Prof. Seema Makhija

Co-Cordinators: Prof. Pooja Bhagat, Prof. Geetu Gambhir, Mr Sanjay Vohra

Date: August 08-14, 2023

Number of Participants: 21

University of Delhi (Skill Enhancement Course Committee) in Collaboration with Acharya Narendra Dev College, University of Delhi (under the aegis of DBT STAR COLLEGE and IQAC) Department of Zoology, University of Delhi, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, Guru Nanak Angad Dev TLC, SGTB Khalsa College, University of Delhi, Atma Ram Sanatan Dharma College, University of Delhi has organized one week FDP on 'Sericulture: Rearing and its Applications' from August 08, 2023 to August 14, 2023. The aim of the FDP was to enhance the skill of the participants by providing hands-on training and insight knowledge in the field of sericulture.

There were 21 participants who are faculty members in different colleges of Delhi University. Total four sessions were conducted everyday. During

the FDP eminent scientists like Dr S. B. Dandin, Director (Rtd), CSB & Ex VC, Dr N. Krishna Kumar, Former Director, NBAIR, (ICAR), Dr Thallapally Mogili, Scientist (Rtd), Central Sericultural Research and Training Institute, Mysuru and Dr Deepti Gupta, Professor, IIT Delhi. They enlightened all the participants with the latest development in the field of Sericulture. Various aspects of Sericulture covered during the FDP were:

1. Scenario of Sericulture in India
2. Rearing of silk worm
3. Post Coccon Technology
4. Use of Pupae in Livestock Feed and Cosmetics
5. Biotechnological applications of insect-plant interactions in silkworms

All the faculty participants were assessed after the FDP by following the UGC norms like assignments, tests and submission of project proposals.

6.2.6 Outreach Activities - College Level

6.2.6.1 PRAYAS Project with NCERT:

Department of Education In Science and Mathematics has for the very first time launched a scheme named PRAYAAS (Promotion of Research Attitude in Young and Aspiring students 2023 – 2024). In this scheme school students had to send a research Project in collaboration with College & were selected for the Project titled Evaluation of digested sludge from Sewage Treatment Plant (STP) as fertilizer and safe usage in crop production and land reclamation. Lovely Public Sr. Sec. School, P.D.Vihar was selected in collaboration with HEI partner ANDC. Under urban private school category only 5 schools were selected & out of that from all over Delhi the Project of only Lovely Public Sr.Sec School in collaboration with Acharya Dev Narendra Dev College got selected. Two school students are working in this project. A total grant of Rs. 50,000/- was sanctioned.

6.2.6.2 Free Health Camp in Collaboration with NSS@ANDC:

The Department of Biomedical Science at Acharya Narendra Dev College, University of Delhi, truly demonstrated its dedication to community health through the meticulously organized Free Health Camp held on February 14th and 15th, 2024. The event provided a wide range of essential medical services within the college premises, aiming not only to address immediate health needs but also to instill a sense of health awareness among attendees. The comprehensive array of services offered at the Health Camp exemplified

a holistic approach to healthcare. With eye examinations conducted by seasoned optometrists from Centre for Sight, attendees gained valuable insights into ocular health and received personalized guidance for maintaining optimal vision. Crucial health screenings such as blood pressure, blood sugar, and cholesterol assessments, along with Electrocardiogram (ECG) tests, were administered by a Proficient team of healthcare experts, facilitating early detection and prevention of potential health issues.

The presence of esteemed general physicians and gynecologists from Apollo Hospital further ensured that attendees received thorough consultations and tailored treatment recommendations for a wide spectrum of health concerns, including women's health and reproductive well-being. Dental health also received meticulous attention through Clove Dental's comprehensive dental check-ups, providing attendees with expert advice on oral hygiene maintenance and preventive dental care strategies. The collaborative efforts between the Department of Biomedical Science and its healthcare partners played a pivotal role in the seamless execution and resounding success of the Free Health Camp. By rendering vital healthcare services accessible to all, the event not only promoted health awareness but also underscored the importance of proactive health management within the community.

Initiatives like the Free Health Camp reflect the Department of Biomedical Science's commitment to societal well-being and set a commendable precedent for promoting holistic health and wellness among its constituents. In conclusion, the event epitomized a concerted endeavor towards advancing community health, emphasizing the significance of preventive healthcare practices, and fostering a culture of well-being among participants.

6.2.6.3 Scientific Writing and Communication:

The one-day ISME sponsored Hands on Workshop on "Scientific Writing and Communication" was organized jointly by Acharya Narendra Dev College, University of Delhi and PhiXgen Pvt. Ltd., under the aegis of IQAC and DBT Star College Scheme on February 13, 2024. This workshop was organized with the motive to upskill young minds for students who are keen on learning scientific writing and how to publish in high impact journals. The workshop touched on various elements of scientific paper like title, abstract, introduction, methods, results, tables and figures, discussion, references etc. The workshop provided a platform to researchers, postgraduate & undergraduate students and even school students to learn to present their findings and review their works in the form graphics. The workshop enlightens

on how to become effective writers using research data and represent it in easy and best possible way. It also shed light on the format of a scientific manuscript, peer review, funding etc. The workshop was conducted in offline mode and total of 97 student registrations were received along with around 20 faculty members from University of Delhi. The Workshop was conducted with a total number of 97 participants (school students, undergraduate, postgraduate and PhD students and faculty) to gain knowledge and hands on training on various aspects of scientific writing and communication.

6.2.6.4 Forensic's Fair, the Workshop on Forensic Science:

The highly anticipated Forensic Science workshop, "Forensic's Fair," was organised on February 15, 2024 with an aim to familiarize participants with a range of forensic techniques, including fingerprint analysis, ink analysis, footprint development, iodine fuming, and document verification. Drawing a diverse crowd of over 100 attendees registered from various colleges of University of Delhi and other universities reflected the growing interest in forensic science among students and the importance of such educational initiatives. The event commenced with an in-depth talk by Dr Satendra Singh, who provided a comprehensive explanation of the principles and methodologies involved in each forensic technique. Following the talk, volunteers divided participants into small groups, each assigned to a specific forensic technique for simultaneous demonstrations. These demonstrations were designed to provide hands-on experience and practical insights. Following the demonstrations, participants had the opportunity to develop their fingerprints with the assistance of volunteers. This hands-on activity allowed participants to apply their newly acquired knowledge and experience the process firsthand. Overall, the forensic workshop was highly informative and engaging, providing participants with valuable insights into various forensic techniques. The event successfully achieved its objectives of educating and empowering participants with essential forensic skills and knowledge.

6.2.6.5 One Day Inter-College Hands-on Workshop on Foldscope:

Organised Intercollege workshop on February 14, 2024, where, approximately 100 students from various colleges of the University of Delhi and other universities participated. The resource person invited was Prof. Uma Chaudhary from Bhaskaracharya College of Applied Sciences, University of Delhi. Prof. Chaudhary and her team provided hands-on experience with the Foldscope Microscope. The workshop began with a brief introduction to the microscope, highlighting its importance, origin, and the underlying idea

behind its creation. Participants were then guided through the assembly process of the Foldscope, using simple materials such as paper cuttings, pieces of magnets, and a lens. The demonstrators explained the concept thoroughly, and the team was supportive and cooperative in assisting the students to understand and assemble the microscope. By the end of the workshop, each participant had successfully assembled their own Foldscope Microscope, allowing them to explore the world of tiny organisms. This hands-on experience sparked curiosity among the students about microscopic organisms and their environment, enhancing their understanding of the microbiological world. Overall, the workshop provided a valuable learning opportunity for students, enabling them to engage with microscopy in a practical and meaningful way.

6.2.6.6 SPIE Optics Education Outreach Programme 2023

SPIE, the International Society for Optics and Photonics, has a longstanding commitment to outreach initiatives. The College was proud recipients of SPIE Optics Outreach Education Programme 2023 grant. Teaching optics education at the X standard level can be challenging for educators. Traditional methods like using old blackboards and presentations may not be as effective when it comes to providing hands-on experience with real 3D operations using Ray Optics Kits and helping students understand the physical presence of optical instruments. However, integrating these practical elements significantly enhances the learning experience, enabling students to visualize complex concepts at a deeper level. Student Chapter at Acharya Narendra Dev College (ANDC) adopted a unique approach for its Optics Outreach Activity in 2023 across various schools. This approach places practical, hands-on experiences at the forefront of the outreach program. Aligned with the new education policy of 2020, which emphasizes practical knowledge in teaching physics, the University of Delhi's ANDC SPIE Student Chapter conducted workshops in 22 schools across Delhi. Notably, half of these schools were government-funded institutions with a total student participation of around 1200. The workshops were conducted in the months of August and September, 2023. The culmination of SPIE Optics Outreach Education Programme marked a significant event in the annals of Acharya Narendra Dev College, as we had the privilege of hosting a distinguished physicist and educator, Professor H.C. Verma, as our Chief Guest on 06 October, 2023. As part of our initiative, we distributed Ray Optics Kits and optical instruments, which were conceived and designed by the Chapter, to every participating school free of charge.

6.2.6.7 One Day Inter-College Workshop on Rearing and Breeding of Zebra Fish Opportunity and Scope:

Organised Intercollege workshop for students from different college of the University of Delhi on September 23, 2023. The zebrafish workshop is a vital platform for students. The goal is to impart essential knowledge and skills related to zebrafish as a model organism. Participants learnt zebrafish husbandry, genetics and techniques enabling them to build interest for scientific research in zebrafish.

6.2.6.8 Outreach Activities by Different Departments:

Biomedical Science:

1. Prof. Urmi Bajpai delivered a talk on “AMR crisis and the way forward” at the 3rd International Conference on “Antimicrobial Resistance, Novel Drug Discovery and Vaccine Development: Challenges and Opportunities” being organized by SRM University Delhi-NCR. India Habitat Centre, New Delhi. March 18 – 20, 2024
2. Prof. Urmi Bajpai chaired 6th session “Session VI” at the 3rd International Conference on “Antimicrobial Resistance, Novel Drug Discovery and Vaccine Development: Challenges and Opportunities” being organized by SRM University Delhi-NCR. India Habitat Centre, New Delhi. March 19, 2024
3. Prof. Urmi Bajpai was a panelist in “Drug discovery and repurposing” theme at the BioInsight Forum, organized by BioSoc-DTU during Invictus ‘24, the Annual Techfest of Delhi Technological University. February 29, 2024
4. Prof. Urmi Bajpai gave Invited Talk on “Bacteriophages in the pre-and post-antibiotic era” In the Luminaries Lecture Series” organized by the Department of Biotechnology, School of Engineering and Technology, School of Engineering and Technology, ManavRachna International Institute of Research and Studies. February 01, 2024
5. Prof. Urmi Bajpai delivered a talk on “Investigating structural & functional diversity of mycobacteriophage endolysins: a promising avenue to combat AMR” at the VIROCON 2023 conference ‘Advancements in Global Virus Research Towards One Health’ organized by ICAR-National Research Centre for Banana, Tiruchirappalli, Tamil Nadu and Indian Virological Society (IVS), New Delhi in Tiruchirappalli. December 01-03 2023

6. Prof. Urmi Bajpai was a co-chair in the session on “Phage and Phage Therapy” at the VIROCON 2023 conference ‘Advancements in Global Virus Research Towards One Health’ organized by ICAR-National Research Centre for Banana, Tiruchirappalli, Tamil Nadu and Indian Virological Society (IVS), New Delhi in Tiruchirappalli. December 01-03 2023
7. Prof. Urmi Bajpai delivered a talk on Mycobacteriophage Endolysins: Diversity in Domain Architecture and Function” at the Annual Amrita Legion for Antimicrobial Resistance Management (ALARM) two-day hybrid International Conference on “Preventing Antimicrobial Resistance Together” At Amrita School of Biotechnology, Kerala. November 17-18, 2023
8. Prof. Urmi Bajpai was a Panelist in “Community Round Table” at the Annual Amrita Legion for Antimicrobial Resistance Management (ALARM) two-day hybrid International Conference on “Preventing Antimicrobial Resistance Together” At Amrita School of Biotechnology, Kerala November 17-18, 2023
9. Prof. Urmi Bajpai was a Panelist in “Community Round Table” at the Annual Amrita Legion for Antimicrobial Resistance Management (ALARM) two-day hybrid International Conference on “Preventing Antimicrobial Resistance Together” At Amrita School of Biotechnology, Kerala. November 17-18, 2023
10. Prof. Urmi Bajpai moderated talk of Dr Sougata Hazra Associate Professor, Department of Biosciences and Bioengineering, Joint Faculty, Centre for Nanotechnology, IIT Roorkee, India during online workshop “Genome Annotation of Bacteriophages for Clinical Applications”. November 03, 2023.
11. Prof. Urmi Bajpai moderated talk of Dr Kiran Kondabagil, Professor, Department of Biosciences and Bioengineering, IIT Bombay, Mumbai, India during online workshop “Genome Annotation of Bacteriophages for Clinical Applications”. October 31, 2023, 7.30-8.30 p.m
12. Prof. Urmi Bajpai delivered a talk on “Current scenario of AMR and Bacteriophage therapy from global perspectives” in a Workshop entitled “Basics of Bacteriophage Biology & Clinical Applications to Combat the Emerging Antimicrobial Resistance: A Hands-on Training at the Banaras Hindu University, Varanasi. October 03, 2023

13. Prof. Urmi Bajpai delivered a talk on “Bacteriophages: the dark matter of the biospheres” in a symposium on “Data Driven Approaches to Understand Biological Systems at the CSIR-IGIB, Mathura Road. April 29, 2023.
14. Dr Sunita Jetly organised Free Cancer Awareness Program at various locations of Delhi & Uttar Pradesh, including:
 - a. Jal Vayu Vihar, Sector 2, Noida (September 23, 2023)
 - b. Luxmi Narayan Mandir Sector 56, Noida (August 06, 2023)
 - c. R.G. Residency Sector 120, NOIDA (July 15, 2023)
 - d. Institute of Chartered Accountants, C56,/9A Sector 62, NOIDA (July 01, 2023)
15. Dr Sunita Jetly organised Thallesemia Awareness Program at various locations of Delhi & Uttar Pradesh, including:
 - a. Luxmi Narayan Mandir, Sector 56, Noida (September 17, 2023)
 - b. Dr Sunita Jetly delivered talk on “Cancer Prevention”, Jan Jagriti Foundation, Noida, community centre, Jal Vayu Vihar Noida. September 23, 2023
16. Dr Sunita Jetly delivered talk on “Holistic Health” invited by mera Sahar on the occasion of Pre Independence Celebrations Day, joint women programme, A276, sector 31, Noida, UP. August 14, 2023.
17. Dr Rimpay Kaur Chowhan delivered a talk on “Scientific Art & Creating Graphical Abstracts” in One day workshop on “Scientific Writing and Communication” organized by ANDC and ISME. February 13, 2024.

Botany:

Dr Anita Narang was invited speaker in the joint conference of 5th International Conference on Biosciences and Medical Engineering & 2nd International Conference on Innovative Agricultural Technology at Bali, Indonesia from August 30-31, 2023

Visits:

1. Visit to Mushroom Cultivation Centre at Shaheed Rajguru College of Applied Sciences for Women: Dr Anupama Shukla and Dr Anita Narang had taken 25 students on March 18, 2024.

Chemistry:

Swachh Bharat Club and Department Of Chemistry organized the following workshop in the college under the aegies of DBT Star Scheme:

1. Tracking Life Cycle of Wet/Dry Waste in and Around the Institute
2. Cleanliness Drive
3. Identify plastic and e-waste in and around institute
4. Identify events that generate maximum waste.
5. Create Questionnaire to conduct interview of stakeholders
6. Swachhata Pakhwada Rally

Computer Science:

1. Prof. Sharanjit Kaur, Poster Presentation title “ Identifying structural hierarchy in social organisms using k-core Decomposition ” at the 8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on ‘Exploring the Microbial World from Human Health to Environmental Sustainability’ and 4th International Symposium on Ciliate Biology (ISCB-2024), organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024 at Conference Centre, UoD, Delhi, India.
2. Prof. Sharanjit Kaur, college level jury at round-2, for meticulous evaluation of the participating teams, for next level participation at the Dark Patterns Buster Hackathon (DPBH-2023) organized by Deptt of Consumer Affairs alongwith NIT Banaras Hindu University.
3. Prof. Sharanjit Kaur, Advisor on the Selection Committee for ASRB in February 2024
4. Prof. Chandra Kanta Samal, college level jury at round-2, for meticulous evaluation of the participating teams, for next level participation at the Dark Patterns Buster Hackathon (DPBH-2023) organized by Deptt of Consumer Affairs alongwith NIT Banaras Hindu University.

Visits

1. Organized an educational visit to National Science Centre, Pragati Maidan, New Delhi for the 2nd year students of B.Sc. (H) Computer Science on February 22, 2024.

Electronics:

1. Dr Ravneet Kaur participated as Resource Person in a five-day workshop on “Development of Learning Outcomes based activities in Biology, Chemistry, Physics and Mathematics at Secondary Stage (Level II).” held at DESM, NCERT, New Delhi from August 21-25, 2023.
2. Dr Ravneet Kaur participated as Resource Person in a five-day workshop on “Online Course in Teaching of Science at Middle Stage.” held at DESM, NCERT, New Delhi from July 31-August 4, 2023.
3. Dr Ravneet Kaur participated as Resource Person in a five-day workshop on “Development of Audio Video Resources based on Laboratory Manual in Science at Upper Primary Stage.” held at DESM, NCERT, New Delhi from July 10-14, 2023.
4. Prof. Anju Agrawal acted as a judge in the Inter-School S.T.E.M. Fest-Robotron’23, Delhi Public School, Mathura Road on August 11, 2023.
5. Prof. Anju Agrawal trained Raghav Aggarwal and Jaysal Manchanda of Delhi Public School, Sector 12, R. K. Puram, New Delhi on Portfolio Website Development for two months (July 01-August 31, 2023).
6. Prof. Anju Agrawal trained Anushka Bhargava and Arjun Bhargava of Delhi Public School, Mathura Road, New Delhi on Coding Bootcamp for one month (February 01-29, 2024).
7. Dr Ravneet Kaur and Dr Monika Bhattacharya served as Expert Reviewer for IT related Vocational Education courses at Bhartiya Shiksha Board (BSB).

Physics:

1. Two month long hands-on training of five students on advanced thin film deposition and characterization equipment at Smart Materials and Devices Laboratory at Miranda House, University of Delhi, Delhi – 110007 during June – July 2023.

Zoology:

1. Prof. Sarita Kumar took classes for the students pursuing M.Sc. Public Health Entomology (PHE) course, Academic Session 2023-2025, at ICMR-RMRC, Dibrugarh, Assam - MPHE-204 ‘Control of Vectors of Public Health Importance’.

2. Prof. Sarita Kumar was Resource person in the workshop on 'Modification and Development of Biology and Biotechnology Laboratory', NIE, DESM, 24-28th July, 2023.
3. Prof. Sarita Kumar was Resource person in the workshop on 'Modification and Development of Biology and Biotechnology Laboratory', NIE, DESM, 9-13th October, 2023.
4. Prof. Sarita Kumar was Resource person in the workshop on 'Developing textbooks in Science for Classes 6 and 9', NIE, DESM, 15-19th January, 2024; 29th January-2nd February, 2024.
5. Prof. Sarita Kumar Delivered a talk on 'Silkworm Pests and Diseases' during Faculty Development Program on '*Sericulture Rearing and its Application*', AND College, 9 August, 2023.
6. Prof. Sarita Kumar is Member of the Scientific Advisory Committee (SAC) of ICMR-RMRC-NE, Dibrugarh, Assam for reviewing ongoing scientific endeavours and new project proposals.
7. Prof. Sarita Kumar was External expert in the Expert Committee formulated to finalise the course and Curriculum Framework of the B.Sc. degree (multidisciplinary) programme under UGC-CCFUP 2022, IGNOU; 3rd November, 2023.
8. Prof. Sarita Kumar was External expert in the Expert Committee formulated to finalise the syllabus of APM-01 (Integrated Pest Management), a skill-based course for BDP program, IGNOU, 30th Jan 2024.
9. Prof. Sarita Kumar was Expert in the Doctoral Committee meeting for Ph.D. (Life Sciences) Programme of IGNOU, held in 2nd April, 2024.
10. Prof. Sarita Kumar conducted interviews for the post of PGT (Biology) at Mata Jai Kaur Public School, Ashok Vihar, 17th February 2024
11. Prof. Ravi Toteja delivered an invited talk on Enhancing Education: The importance of internship and undergraduate research on March 01, 2024 in FDP organized by National Institute of Educational planning and Administration (NIEPA).
12. Prof. Sarita Kumar was External expert in the Expert Group Meeting of Scientific Advisory Committee, RMRC NE, Dibrugarh held on 5-6 April, 2024.

13. Prof. Seema Makhija delivered an invited talk on Ecotoxicological Risk Assessment of Heavy metals in Ciliates by using Cellular, Molecular and Bioinformatics Approaches in 4th International Conference on Recent Trends in Life Sciences and Biotechnology organized by International Association of Zoologists, Siddhi Artha Group of Education in collaboration with Department of Biosciences and Technology, Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala and Sharda Institute of Science Technology Education & Research.
14. Prof. Seema Makhija delivered a talk and conducted workshop on 'Facinating World of Microbes, Protozoans and Career Opportunities' in G.D. Goenka University, Gurugram on May 16, 2023.
15. Students of Sri Venketeswara College, studying Insect Vector and Diseases, visited the mosquito rearing laboratory on March 21, 2024.
16. Students pursuing M.Sc. in Public Health Entomology (MPHE) course at ICMR-RMRC, Dibrugarh, visited the Insect Pest & Vector laboratory and ANDC on November 24, 2023.
17. Undergraduate Students from different colleges of University of Delhi visited the Sericulture Skill centre as a part of their curriculum on October 21, 2023, students of B.Sc life sciences, Sem VI from Shivaji College and students of B.Sc., Sem I from Maitreyi College visited the sericulture facility. On 3rd Nov 2023, B.Sc Life Sciences, Sem VI students from Zakir Hussain College, also came to visit the silkworm culture. During the visits, students were briefed about the sericulture practices and visited the mulberry garden. They observed the various stages of silk moth. Hands-on training was given on the post-cocoon treatments including stifling, deflossing, degumming and reeling the silk from the cocoons on mulberry silkworm.

Visits

1. Department of Zoology organized one-day educational trip under the aegis of DBT-STAR college scheme to National Zoological Park, New Delhi on March 07, 2024. Total of 40 students of B.Sc. (H) Zoology 4th semester along with 3 staff members visited the park to observe behavior of various animals for their Animal Behaviour paper.
2. Organized Students educational trip to the National Centre for Disease Control, New Delhi on April 19, 2024.
3. Organized Students educational trip to the Entomological Department, ICAR, PUSA, New Delhi on February 08, 2024.

4. Organized a visit to IGIB, South Campus, Mathura Road for the undergraduate students of B.Sc. (H) Zoology III Year on April 12, 2024. They demonstrated Zebrafish culturing and introduced the students to Next Generation Sequencing

6.2.7 Interdisciplinary Projects under DBT STAR College Scheme

The grant received by DBT has helped in enhancing scientific exposure of undergraduate students via participation in various interdisciplinary projects/ routine lab work conducted under DBT-STAR college scheme.

S.No.	Title	Mentor/s	Students
1	Hierarchical Structures in Multilayer Network	Prof. Sharanjit Kaur (Computer Science)	Piyush Singh Rohan Sagar B.Sc.(H) Computer Science, Year III
2	Application of Sutras- I	Dr Sarita Agarwal (Mathematics)	Gaurav Kumar B.Sc.(H) Mathematics, Year II
3	Credit Risk Managment	Ms Gunjan Rani (Computer Science)	Ayush Chaudhary Pranjal Verma Chetna Panchal B.Sc. (Prog.) Physical Science with Computer Science, Year III
4	Studying Catalytic Behaviour of Copper (II)- Glycinate Complex for Organic Oxidation Reactions.	Prof. Manisha Jain (Chemistry)	Devansh Dwivedi B.Sc.(H) Chemistry, Year II
5	Synthesis, Characterization and Application of Some 2D Materials	Prof. Arijit Chowdhuri (Physics) Prof. Charu K. Gupta (Botany)	Ayush K. Chaubey Shubhra Priyadarshini Kausthub Rawat B.Sc.(H) Physics, Year II
6	Synthesis & Characterization of Some 2D Materials	Prof. Arijit Chowdhuri (Physics) Prof. Charu K. Gupta (Botany)	Harsh Agrahari B.Sc.(H) Physics, Year II
7	Temperature Dependence Study of Reaction Between Potassium Permanganate and Oxalic Acid for Quantitative Determination	Prof. Manisha Jain (Chemistry)	Tanvi Kaushik B.Sc.(H) Chemistry, Year I

S.No.	Title	Mentor/s	Students
8	APNASTYLE-A Fashion Web Application Using Html, CSS And Javascript	Ms Shiva Saini (Computer Science)	Kartik Rawat Babita Bhuarya B.Sc.(H) Mathematics, Year II
9	Cultivation of Oyster and Milky Mushrooms	Dr Anupama Shukla Dr Anita Narang (Botany)	Sanket Jain Vishal Kumar Pal B.Sc.(H) Botany, Year II
10	Synthesis of chemo sensors for heavy metal ion detection	Prof. Pooja Bhagat Prof. Seema Gupta (Chemistry)	Aradhy Srivastava Muskan Saini B.Sc.(Prog.) Life Sciences, II year
11	Analysis of Soil Microbiota of Different Soil Samples in Delhi and the Effect of Agrochemicals in it.	Prof. Seema Makhija Prof. Ravi Toteja (Zoology)	Vijayalakshmi P A B.Sc.(H) Zoology, Year II
12	Evaluating the Influence of Environmental Education on University Students' Awareness and Actions: A Survey-Based Study at Delhi University	Prof. Seema Makhija Prof. Ravi Toteja Mr Abhay Pratap Singh (Environment Science)	Ajit Narayan Jha Akshay Kumar Anurag Parida B.Sc. (Prog.) Life Sciences, Year II
13	Investigating the Toxicological Impact of Pb in <i>Euplotes aediculatus</i>	Prof. Seema Makhija Prof. Ravi Toteja (Zoology)	Nandini Gupta Ankur Ghosh B.Sc. (H) Zoology, Year II Anshika Tyagi Urvashi Arora B.Sc.(Prog.) Life Sciences, Year II
14	Isolation and Screening of Plastic Degrading Bacteria from Dumped Soil Area.	Prof. Seema Makhija Prof. Ravi Toteja (Zoology)	Rimjhim Shukla Vinita Kumari Kamna Sharma B.Sc.(Prog.) Life Sciences, Year II
15	<i>In-silico</i> Design of RT-PCR Primers and Full Length Primers for SARS-CoV-2 Virus Genes	Prof. Seema Makhija Prof. Ravi Toteja (Zoology)	Saloni Ghosh Muskan Yadav B.Sc. (H) Zoology, Year I
16	Optimization of Recombinant Interferon Beta Expression in <i>Escherichia Coli</i> through Systematic Variation of Induction Parameters	Prof. Ravi Toteja Prof. Seema Makhija Dr Rahul Dev (Zoology)	Himank Raj Singh Rishabh Ojha Pratham Singhal B.Sc. (H) Zoology, Year II

S.No.	Title	Mentor/s	Students
17	Evaluation of <i>In silico</i> Anti-hyperglycemic Potential of Traditional Anti-Diabetic Plants.	Prof. Ravi Toteja Prof. Seema Makhija Dr Rahul Dev (Zoology)	Priyanshu Pradhan Mahaprasad Nayak Aditya Raj Mishra Pratikshya Panda Devansh Bharti Mamoni Panda B.Sc.(H) Zoology, Year II
18	In-silico Design of RT-PCR Primers Against SARS-CoV-2Virus and Full-Length Primers of Spike Proteins	Prof. Seema Makhija Prof. Ravi Toteja (Zoology)	Khushboo B.Sc.(H) Zoology, Year III
19	Determination of Stability Constant of The Aspartic Acid-Aluminium Metal Ion Complex Using pH-Metric Method	Prof. Manisha Jain Prof. Shallu Sachdeva (Chemistry)	Anushka Yadav Abhay Patel B.Sc. (Prog.) Life Sciences, Year II
20	Determination of Stability Constant of The Copper(II)-Glycine Complex Using pH- Metric Method		
21	Perception of Youth on Grammarly's Usefulness	Dr Sunita Narang Ms Priyanka Sharma (Computer Science)	Valiya Talib Vikrant Kumar TusharVashistha B.Sc.(H) Mathematics, Year II
22	Analysis of the Perception and Adaptation of Senior Citizens in Digital Age	Dr Sunita Narang (Computer Science) Dr Shalu Mahajan (Commerce)	Kriti Misra HimanshuYadav B.Sc.(H) Computer Science, Year I
23	Measurement of Cyber Security Index(CSI) via Exposure, Adaptive Capacity and Sensitivity	Dr Sunita Narang Dr Preeti Marwaha (Computer Science)	Prince Preksha Anushka B.Sc.(H) Biomedical Sciences, Year III
24	Tailoring Properties of Novel Composites Through the Integration of Reduced Graphene Oxide.	Prof. Geetu Gambhir Prof. Sunita Hooda (Chemistry)	MukeshKumar Ananya Singh B.Sc.(H) Chemistry, Year I

S.No.	Title	Mentor/s	Students
25	A Comprehensive Investigation and Biosynthesis of Withania Somnifera Based Nanoparticles Aimed at Elucidating their Antimicrobial Properties and Efficacy.	Prof. Sunita Hooda Prof. Geetu Gambhir (Chemistry) Dr Anita Narang (Botany)	Hirtik Singh Rathore Saarthak Kumar B.Sc.(H) Biomedical Sciences, Year III
26	Synthesis of Magnetic Graphene Oxide and Trehalose Nanocomposite as a Promising Adsorbent for Metals from Waste Water.	Prof. Sunita Hooda Prof. Geetu Gambhir (Chemistry) Prof. Sanjeeta Rani Prof. Manisha Verma (Physics)	Anirudh Karnam Shalini B.Sc.(Prog.) Life Sciences, Year II
27	Xanthan Gum Graphene Oxide Nanocomposites: Synthesis, Characterizations and Applications	Prof. Geetu Gambhir Prof. Sunita Hooda (Chemistry)	Ajay Kumar Singh B.Sc.(Prog.) Physical Science with Chemistry Muskan Sharma B.Sc.(H) Chemistry, Year II
28	Effect of Selected Incense Sticks Ash Extract on Luminescence Response from Bioluminescent Bacteria	Dr Ranjeev Ranjan Dr Archana Pandey (Biomedical Science)	Lazi Parween B.Sc.(H) Biomedical Sciences, Year II
29	To Study Effect of Air Pollution on Pollinator Behaviour and Plant-Pollinator Interaction in Native Tree Species of Delhi.	Dr Vineet K Singh Prof. Charu K. Gupta (Botany) Prof. Arijit Chowdhuri (Physics)	Vaibhav Khatri Aniket Raj B.Sc.(H) Botany, Year II
30	Synthesis of magnetic Nanoparticles and their Role in Enzyme Catalysis	Prof. Seema Gupta Prof. Pooja Bhagat (Chemistry) Dr Satendra Singh (Biomedical Science)	Rohit Kumar Barnwal BSc.(H) Chemistry, Year II
31	To Synthesise Multifunctional Composite Polymer-Based Materials in Incorporating Magnetite Particles and Study their Dielectric Properties	Prof. Manisha Verma Prof. Sanjeeta Rani (Physics) Prof. Sunita Hooda (Chemistry)	Kunwar Sugam Anugrah B.Sc. (H) Physics, Year II

S.No.	Title	Mentor/s	Students
32	Literature Review and Ultrasonic Assisted Excretion from Indian Medicinal Plants.	Prof. Pankaj Khanna (Chemistry)	Astha Omar Manisha B.Sc.(H) Chemistry, Year I
33	From Boom to Bust: Exploring Dynamics of Company's Rise and Fall	Prof. Sandeep K. Goel Dr Jitender Goel (Commerce)	Aanchal Singh Supriya Kumari Riya Padhan B. Com (H), Year I
34	A Study on Digital Transformation in Indian Banking Sector	Prof. Sandeep K. Goel Dr Jitender Goel (Commerce)	Richa Sharma Akash B. Com (H), Year III
35	A Study on Green Marketing Initiatives of Select Indian FMCG Companies	Prof. Sandeep K. Goel Dr Jitender Goel (Commerce)	Simrat Kaur Prabhnoor K.Sekhon Mhachoni Yanthan B. Com (H), Year II
36	Unveiling Insider Trading: Impact on Market Integrity and Investor's Confidence	Prof. Sandeep K. Goel Dr Jitender Goel (Commerce)	Khushi, Annukumari B. Com (H), Year I
37	Women Entrepreneurship: Issues and Challenges	Prof. Sandeep K. Goel Dr Jitender Goel (Commerce)	Devanshi Agarwal Nivedita Verma B. Com (H), Year I
38	Fractal Analysis and dimensionality reduction of OGLE data for Stellar object characterization	Dr Dinesh Kumar Verma (Physics)	NamanThakur B.Sc.(H) Physics, Year I
39	Synthesis of heterocyclic compounds of potential biological importance.	Prof. Pankaj Khanna Dr Kavita Mittal (Chemistry)	Kajal Dubey Mayank Kushvaha B.Sc.(H) Chemistry, Year I
40	Women's Empowerment through Microfinance	Ms Sangeeta Relan Ms Anuradha Sarin (Commerce)	Rahul Malik Kushank Sharma B. Com (H), Year II
41	Article 370's Repeal: A Catalyst for J&K's Economic Revival	Ms Sangeeta Relan Ms Anuradha Sarin (Commerce)	Manav Kumar Samriddhi Singh B. Com (H), Year II

S.No.	Title	Mentor/s	Students
42	Calculating the bandgap of Graphene based Single Electron Transistor (SET) by DFT modelling in Quantum Espresso.	Prof. Sanjeeta Rani Prof. Manisha Verma Dr Priti Goyal (Physics)	Samyak Marathe B.Sc.(H) Physics, Year II
43	To Study the Effect of Environmental Pollution on the Morphological and Anatomical characters of Leaves in <i>Cassia fistula</i> Species of Delhi.	Prof. Charu K. Gupta Dr Anupama Shukla Dr Vineet K Singh (Botany)	Hari Om Sharan B.Sc.(H) Botany, Year III
44	Assessing the Impact of COVID-19 and its Vaccination on the Reactivation of Varicella-ZosterVirus	Dr Ritu Khosla DrArchnaPandey (Biomedical Science)	Aishani Vashisht B.Sc.(H) Biomedical Sciences, Year I
45	Facial Recognition System	Dr Ravneet Kaur Dr Monika Bhattacharya (Electronics)	Priya Ranjan Anju Purohit Nikhil Kumar B.Sc.(H) Electronics, Year I
46	Zebrafish Breeding after 120 hours Post Fertilization	Dr Monica Misra Ms Bhumika Chauhan (Zoology)	Ayush Kumar Tushar B.Sc.(H) Zoology, Year II
47	A Detailed study of Lyapunov Exponents, the Lorenz Attractor, and the Rossler Attractor	Mr Pawan Kumar Dr Dinesh Kumar Verma (Physics)	Raj Gola B.Sc.(H) Physics, Year I
48	Exploring Chaos theory and Lorentz Attractor	Dr Dinesh Kumar Verma (Physics)	Vaibhav Srivastava B.Sc.(H) Physics, Year I
49	Exploring Chaos and Nonlinear Dynamics with the Chua Circuit	Dr Dinesh Kumar Verma (Physics)	Nanda Gopal Jena B.Sc.(H) Physics, Year I
50	Studies on the Effect of Rancid Oils on Luminescence Response from Bioluminescent Bacteria	Dr Rajeev Ranjan Dr Archana Pandey (Biomedical Science)	Kumar Tarun Singh B.Sc.(H) Biomedical Sciences, Year II

S.No.	Title	Mentor/s	Students
51	Study of Cytotoxic and Genotoxic Effect of UV Radiation on Root Tips of <i>Allium cepa</i> L.	Dr Anita Narang Dr Anupama Shukla (Botany)	Vanshika Arora Niharika Mathur Sandeep Kumar Sidharth Khanduri Priyanka B.Sc.(Prog.) Life Sciences, Year I
52	Study of Cytotoxic & Genotoxic effects of UV radiations on <i>Alliumcepa</i> L.	Dr Anita Narang Dr Anupama Shukla (Botany)	Kavya Jain Khushi Gautam Sargam Nimesh DevamVarshney B.Sc.(Prog.) Life Sciences, Year I
53	Effect of Leachates from the Plastic-Coated Paper Cups On Luminescence Emission from Bioluminescent Bacteria.	Dr Archna Pandey Dr Rajeev Ranjan (Biomedical Science)	Dhanisht Bhushan B.Sc.(H)Biomedical Sciences, Year I
54	Temporal Characteristics of Sunspots and Its Prediction Using Machine Learning	Dr Meenu Mohil (Physics)	Ravishekhhar Jha Suraj Singh Vijay Rawat B.Sc.(H)Physics, Year II
55	Calculating the Bandgap of Graphite Based Single-Electron Transistor(SET) by DFT Modeling in Quantum Espresso	Prof. Sanjeeta Rani Prof. Manisha Verma Dr Priti Goyal (Physics)	Ankit Kumar BSc.(H)Physics, Year II
56	DFT based Electrical & Mechanical Studies of Si Doped with Phosphorus	Prof. Sanjeeta Rani Prof. Manisha Verma Dr Priti Goyal (Physics)	Utkarsh Singh B.Sc.(H) Physics, Year II
57	Skill Development in Chemical Synthesis	Dr Vikrant Kumar (Chemistry)	Anshuman Satapathy Devesh Raj Pathak Jai Kumar Chourasiya B.Sc.(Prog.) Life Sciences, Year I
58	MDM2 Polymorphism Analysis to Uncover Novel Mechanism for Cancer Resistance	Dr Rimpay Kaur Chowhan Dr Archna Pandey (Biomedical Science)	Hariom Chaudhary B.Sc.(H) Biomedical Sciences, Year II

S.No.	Title	Mentor/s	Students
59	A Survey on the Evolving Use of Students Mobile Learning Practices in Education	Dr Sarita Kumar (Zoology)	Pulkit Deswal Siya Gupta B.Sc.(H) Zoology, Year II
60	Survey and Synthesis of Heterocyclic Compound.	Prof. Neeti Misra Dr Kavita Mittal (Chemistry)	Divyanshu Singh Hardik Khurana B.Sc. (Prog.) Physical Science with Chemistry, Year II
61	The Role of Ascorbic Acid in Germination of Tomato Seedlings and reviewing the role of SOD in combating ROS stress in plants	Dr Anita Thakur Dr Geetika Kalra (Botany)	Anjali Kumari Saumya Marathe B.Sc.(H) Botany, Year II
62	The Role of Jasmonic acid and Salicylic acid in alleviating the effect of heavy metal stress on the male fertility in different plant species.	Dr Anita Thakur Prof. Charu K Gupta Dr Vineet K Singh (Botany)	Ekta Pinkii B.Sc.(H) Botany, Year II
63	Application of Mathematics in Kerala during 14 th to 16 th Centuries	Dr Sarita Agarwal (Zoology)	Shifana N B.Sc.(H) Mathematics, Year II
64	To Study Consumption & Adverse Effects of Preservative INS 211 (Sodium Benzoate) in Humans Through Survey	Dr Ravinder K Sagar (Zoology)	Koyel Das Shiwani Kumari Komal Kumari Aayushi Goyal B.Sc.(H) Biomedical Sciences, Year III
65	Shampoos and Cosmetic Products from Sericin	Prof. Sarita Kumar Mr Sanjay Vohra Prof. Ravi Toteja Prof. Seema Makhija Dr Shrankhla (Zoology)	Gifty Saini Manvi Kalra Rishika Pandey Seema B.Sc.(H) Zoology, Year I
66	Chaos-based Secure Communication: A Prototype with Chua's Circuits.	Prof. Amit Garg (Electronics) Dr Roopesh Tehri (Mathematics)	Govind Kushwah Sneha Singh Drishti B.Sc.(H) Electronics, Year II

S.No.	Title	Mentor/s	Students
67	4Bit Computational Code Conversion Calculator	Dr Ravneet Kaur Dr Monika Bhattacharya (Electronics)	HimanshuVerma B.Sc.(H) Electronics, Year II
68	Clinic Connect	Prof. Anju Agrawal Prof. Ravneet Kaur (Electronics)	Suhani Mishra Diksha Singh B.Sc.(H) Electronics, Year II
69	From Logic Gates to Computing: Building an 8-bit Computer using Integrated Circuits	Prof. Anju Agrawal Dr Ravneet Kaur Dr Monika Bhattacharya (Electronics)	Naman Beri Dilsher Mirza Mohammad Ain Ali Abdul H. Mallik Manish Yadav B.Sc.(H) Electronics, Year II
70	Use Of Artificial Intelligence in Account and Auditing	Prof. Surinder Kaur CA Yask Sain (Commerce)	Sushant Anand B. Com (H), Year II
71	IndAS-29 Financial reporting in Hyper inflationary Economics	Prof. Surinder Kaur CA Yask Sain (Commerce)	Vivek Kunwar Ankit Goyal B. Com (H), Year II
72	Role of Financial Literacy in Stock Market Participation Among the Indian Youth	Prof. Surinder Kaur (Commerce)	Harshpreet Kaur Vanshika Mittal B. Com (H), Year II Vaamsi Jajoria B.Sc. (H) Biomedical Science, Year II
73	Corporate Governance	Prof. Surinder Kaur CA Yask Sain (Commerce)	Priya Rana Bhavna Baghel B. Com (H), Year II
74	Rise of Inflation and Poverty in Bihar, India	Prof. Surinder Kaur (Commerce)	Pragati Arora Ayush Pandey B. Com (H), Year II
75	Financial Literacy and its effect on Career Choices	Prof. Surinder Kaur CA Yask Sain (Commerce)	Vishesh Parashar Khushi Preksha Saini B. Com (H), Year II

S.No.	Title	Mentor/s	Students
76	Floral Traits Influence over Pollinator Niche Partitioning in Co-Flowering Species of Capparis in semi-Arid regions of Restored Ecosystem of Delhi.	Prof. Charu K. Gupta Dr Vineet K Singh (Botany)	Ujjwal Kumar B.Sc.(H) Biomedical Sciences, Year II
77	Standardizing Bacterial Culture for Industrial Cellulose Production.	Dr Archana Pandey Dr Rimpay Kaur Chawhan (Biomedical Science)	Jassi Goyal Khushi Bhatt B.Sc.(H) Biomedical Sciences, Year III
78	Futurescope of AI in Cybersecurity.	Dr Preeti Marwaha (Computer Science)	Ananya B.Sc.(H) Computer Science, Year I
79	Effect of acetamiprid on the Growth, Development and Morphology of Aedes aegypti Larvae.	Prof. Sarita Kumar (Zoology)	Yashasvi Divyanshu Harsh Manthan B.Sc.(H) Zoology, Year I
80	Comparative Studies of Some Organic Compounds and Their Reactions Using Computational Methods (DFT)	Prof. Neeti Misra (Chemistry)	Nidhi Singh Hridya S Warriar Rishika B.Sc. (H) Chemistry, Year II
81	Automation of Electro-Optic Effect Experiment	Prof. Amit Garg (Electronics)	Pratyoi Prayash Bora BSc. (Hons.) Physics Priyanshu Gupta B.Sc. (Prog.) Physical Science with Electronics, Year I
82	Detection of Adulterants in Dairy Products	Dr Shrankhla (Zoology)	Sabhyata Singh B.Sc.(H) Biomedical Sciences, Year II
83	Effect of Zinc and Copper Nanoparticles and their Different Concentration on Seed Germination	Dr Anita Thakur (Botany)	Anushka Jain Niharika Sehgal Tanisha Singh B.Sc.(H) Biomedical Sciences, Year II
84	A Comparative Analysis of Financial Inclusion Indices in Indian Metropolitan Cities	Dr Shalu Mahajan (Commerce) Dr Sunita Narang (Computer Science)	Shreya Gupta Kunal Kumar B. Com (H), Year II

S.No.	Title	Mentor/s	Students
85	Startup Accelerators and Incubators: Do They Really Enhance Business Performance?	Mr Sanjay Vohra Mr Dhruv Rana	Ashish Raushan B.Sc. (Prog.) Life Sciences, Year II
86	Prediction of Sunspots using Archival Data	Prof. Subhash Kumar (Physics)	Archit Sharma Navya Mogha Vishwajeet Kumar Aarsh Tripathi B.Sc.(Prog.) Physical Science with Chemistry, Year II
87	Studying Thalassemia and Its Carrier Status Survey with Mutation Analysis	Dr Sunita Jetly Dr Deepshikha (Biomedical Science)	Anushka Tomar Manya Batra Varsha Malik B.Sc.(H) Zoology, Year II
88	A Comparative Study of Growth Media and Nutrient Regime.	Dr Geetika Kalra Dr Mandeep Kaur (Botany)	Ritu Pandey Akanksha Kumari Vaibhav Sharma Pragati Matharu B.Sc.(H) Botany, Year II
89	Effect of Functionalized Silver Nanoparticle on Free and Immobilized form of Bioluminescent Bacteria	Dr Archana Pandey Dr Rajeev Ranjan (Biomedical Science)	Aisha Gupta B.Sc.(H) Biomedical Sciences, Year II
90	Exploring the Potential of Synthetic Biology in Terraforming Martian Atmosphere	Dr Deepshikha Dr Archana Pandey (Biomedical Science)	Prashant Tiwari Niharika Sharma Alia Siddiqui Yash Singh B.Sc.(H)Biomedical Sciences, Year II
91	Synthesis of Deep Eutectic Solvents and their Potential in Preparation of Silver Nanoparticles	Prof. Seema Gupta Prof. Pooja Bhagat (Chemistry)	Gounshi Kumar B.Sc. (H) Chemistry, year I
92	Designing Anti-Aging Compounds based on Resveratrol and Sirtuin Activation	Dr Deepshika (Biomedical Science)	Shantanu BSc.(H) Biomedical Sciences, Year II
93	Optimizing Mobile Phone Price Prediction using Supervised Learning Techniques	Ms Gunjan Rani (Computer Science)	Adi Maqsood Nishant Pratap Singh B.Sc.(H) Computer Science, Year II

S.No.	Title	Mentor/s	Students
94	Existence of Free market in India	Ms Anuradha Sarin Ms Sangeeta Relan (Commerce)	Latika Joshi B.Sc.(H) Computer Science
95	Developing a Multi-Platform Detection System for Dark Patterns	Dr Preeti Marwaha (Computer Science)	Ishitva Joshi B.Sc.(H) Computer Science, Year I
96	Is IPO an Exit Vehicle for Early Stage Investors	Ms Sadhna Gupta Ms Sangeeta Relan (Commerce)	Mohd Hassan Sumit Rathour B. Com (H), Year II
97	Exploring Pollution Dynamics:A Data Mining Approach for Air Quality and Environmental Analysis Across India	Ms Gunjan Rani (Computer Science)	Mayank Kumar Aditya Maurya B.Sc.(H) Computer Science, Year II
98	Predictive Data Mining: Uncovering Influential Attributes for Forest Fire	Prof. Sharanjit Kaur (Computer Science)	Harsh Arora Ansh Sharma B.Sc.(H) Computer Science, Year II
99	PrositAug: Your Personal Physique trainer	Ms Nishu Singh Prof. Vibha Gaur (Computer Science)	Yash Asthana B.Sc.(H) Computer Science,Year II
100	Gen Z's Way of Investing in Stock Market	Dr Shalu Mahajan (Commerce)	Anuj Jain Lokesh Lohan Ashutosh Sharma B. Com (H), Year II
101	Identification and Measurement of Deceptive Design Practices in E-Commerce Platforms	Prof. Vibha Gaur (Computer Science) Dr Ravneet Kaur (Electronics)	Ritu Raj Divyanshu Sharma Sumit Kumar Tiwari B.Sc.(Prog.) Physical Science with Computer Science, Year I
102	Mushroom Cultivation using Different Types of Substrate.	Dr Anupama Shukla Dr Anita Narang Dr Mandeep Kaur (Botany)	Hitesh Choudhary Mahima Kumari Ankit Kumar Jha B.Sc.(H) Botany, Year II

S.No.	Title	Mentor/s	Students
103	Currency Evolution: Exploring Digital Transformation in Banking	Dr Shalu Mahajan (Commerce)	Shruti Kumari Karuna Roy B. Com (H), Year II
104	Diving into the World of Lithium Ion Batteries: Evolution, Performance and Beyond	Dr Pragati Malik Dr Bhawna Kaushik (Chemistry)	Simran Phabrani Nitish Kumar Pahariwal B.Sc. (Prog.) Physical Science with Chemistry, Year II Ansh Karnwal Virendra Kumar Sah B.Sc.(H) Chemistry, Year I
105	Financial Stress and Suicide	Ms Sadhna Gupta Ms Anuradha Sarin (Commerce)	Muskan Rishav Kumar Aparna Chaurasia B. Com (H), Year II
106	Electromate	Prof. Anju Agarwal Dr Ravneet Kaur (Electronics)	Charu Abhinav Saxena B.Sc.(H) Electronics, Year III
107	Digital forensic integrity system using blockchain	Prof. Chandra Kant Samal (Computer Science)	Jitendra Prasad Arya Shivanshi Rajpoot Arnav Aswal B.Sc. (Prog.) Physical science with Computer science, Year II
108	Evolution of Financial Transaction from Banking to UPI	Dr Sunita Narang Ms Shiva Saini (Computer Science)	Atul Singh Rishik Chaudhary B.Sc.(H) Computer Science, Year II
109	Mining Credit Card Data for Exploring Patterns	Prof. Sharanjit Kaur (Computer Science)	Harshita Singh Hardik Bhaniya B.Sc.(H) Computer Science, Year II
110	To Compare the Viable Numbers of Microbes Present in the Rhizosphere Soil of Native Trees of Delhi Growing Different Habitat	Dr Mandeep Kaur Dr Anupama Shukla (Botany)	Komal B.Sc.(H) Botany, Year II Esha Beniwal Nitish Kumar Yadav B.Sc.(H) Botany, Year I

S.No.	Title	Mentor/s	Students
111	Analysis of the Tolerance level of Plants in Vertical Garden	Prof. Charu K Gupta Dr Vineet K Singh (Botany)	Srijal Priya Sneha Kumari B.Sc.(H) Botany, Year II
112	Botanical Extract as Sustainable Catalysts for Organic Transformation	Prof. Rashmi Thukral (Chemistry)	Devanand Singh Shashank B.Sc.(H) Chemistry, Year II
113	Assessing the Impact of COVID-19 and its Vaccination on the Reactivation of Varicella-Zoster Virus	Dr Ritu Khosla Dr Archana Pandey (Biomedical Science)	Sandeep Gupta B.Sc.(H) Biomedical Sciences, Year II
114	Detection of Adulterants in Spices & Ghee	Dr Shrankhla (Zoology)	Shalini Verma B.Sc.(H) Biomedical Sciences, Year III
115	Enhancing Student Engagement and Academic Success through ClgMart: A Research Proposal	Dr Monika Bhattacharya Dr Ravneet Kaur (Electronics)	Naman Thapliyal Vansh Harsh Singh B.Sc.(H) Electronics, Year III
116	Revolutionizing Prosthetics: BioHybrid Limbs & Muscle Preservation Research	Prof. Ravi Toteja Prof. Seema Makhija Mr Ravinder Kumar Sagar (Zoology) Prof. Rachna Joshi (Physics)	Arnav Abhay Narayan Year I B.Sc.(H) Zoology, Year I

6.2.8 Invited Talks

Biomedical Science:

S.No.	Name of guest/ Faculty	Designation	Title	Date
1	Dr Archana Tayal	Psychologist and Career Analyst	Union of Mind and Body	February 15, 2024
2	Mr Ivan Denisov	Core team member of Limited Liability Company, Digital Sensory Technologies, Russia	Recent Trends in Bioluminescence Research and Their Implications	February 15, 2024

S.No.	Name of guest/ Faculty	Designation	Title	Date
3	Prof. Uma Chaudhary	Professor, Bhaskaracharya College of Applied Science, University of Delhi	Foldscope : History and Applications	February 14, 2024
4	Dr Mzia Kutateladze	Director, G. Eliava Institute of Bacteriophages, Microbiology, and Virology & President of the Eliava Foundation	Georgia's Experience and Perspective on Phage Therapy	December 22, 2023
5	Dr Gopal Nath	Banaras Hindu University	Compassionate Phage Therapy : Experience from India	December 19, 2023
6	Dr Jonathan Irdell	Infectious Diseases Physician, Westmead Hospital, Sydney	Phage Australia	December 11, 2023
7	Dr Robert Chip Schooley	Professor, University of California, San Diego and co- director of IPATH	Unsettled Issues in Phage Therapeutics	December 05, 2023
8	Dr Gina Suh	Infectious Disease Specialist, Mayo Clinic, USA	Phage Therapy Compassionate Use Cases: Mayo Clinic Experience	November 23, 2023
9	Dr Debasis Dash	Chief Scientist, Informatics & Big Data	Quality Control of Variant Peptides in Proteogenomics- Catching the (Un) Usual Suspects	July 04, 2023

Botany:

S.No.	Invited Speaker	Affiliation	Title	Date
1	Ms Shisba Chawla	Advocate, Supreme Court	Cyber Law	March 12, 2024
2	Dr Dheeraj Mittal	IFoS	Mission LiFE: An India-led global mass movement to nudge individual and community action to protect and preserve the environment and biodiversity	February 23, 2024
3	Professor Radhey Shyam Sharma	Professor, , University of Delhi	Ecological Entrepreneurship for Nurturing Viksit Bharat for Peace, Progress, and Prosperity	February 23, 2024
4	Prof. Yamini Gupt	Professor, University of Delhi	Valuation of Ecosystem Services in Urban Parks	February 22, 2024
5	Dr M. Shah Hussain	Associate Professor, University of Delhi	Ecological Restoration for India's Commitment to the Bonn Challenge and UN Decade of Ecosystem Restoration (2021-2030)	February 22, 2024
6	Dr Jaspreet Kaur Dhanjal	Assistant Professor, IIIT, Delhi	Personalized Medicine and Big Data in Healthcare	January 30, 2024
7	Dr Neel Das	Senior AI Expert, Roche Healthcare	Prompt Engineering for Biomedical Data Sciences	January 31, 2024
8	Dr Sumeet Patiyal	Post Doc. Fellow, NIH, USA	Fundamentals of Biostatistics	January 29, 2024
9	VasuDev Singh	Deep Learning Researcher	Biomedical Image Data Analysis	January 28, 2024
10	Dr Hara Prasad Mishra	Pharmaceutical Physician & AI Researcher Gen AI 4 Healthcare	Artificial Intelligence	January 27, 2024

S.No.	Invited Speaker	Affiliation	Title	Date
11	Dr Ramesh Guguloth	Assistant Professor, A&U Govt Tibbia College, Delhi	Talk on ayurveda and nutrition	November 30, 2023
12	Ms Neha Rawat	Assistant Professor, A&U Govt Tibbia College, Delhi	Prakriti - Important tool for health and disease	November 30, 2023
13	Mr Kunal Satyarthi	Joint Secretary (Advisor) National Disaster Management Authority, Ministry of Home Affairs, Gol	Climate Change and Disaster Management	October 13, 2023

Chemistry:

S. No.	Invited Speaker	Affiliation	Title	Date
1	Mr Devansh Vashistha	Advocate	Patents and IPR	March, 19, 2024.
2	Prof. Alok Srivastava	P. U. Chandigarh	G20 Initiative LiFE from the perspective of Energy issue	January 31, 2024

Computer Science:

S.No.	Invited Speaker	Affiliation	Title	Date
1	Dr Narendra Nath Dalei	Associate Professor, Department of Economics, Central University of Himachal Pradesh	Developing an Excellent Research Paper while adhering to Original Research and Publication Ethics	March 22, 2024
2	Mr Sudesh Chandel	Principal Data Scientist in AT&T India Pvt. Ltd., Hyderabad	Use of Machine Learning In Video Streaming	March 17, 2024
3	Dr Nihar Ranjan Roy	Associate Professor, Department of Computer Science, Sharda University, Greater Noida, U.P.	Quantum Computing & Cyber Security: A New Era of Challenges	March 16, 2024

S.No.	Invited Speaker	Affiliation	Title	Date
4	Ms Aakansha Rehan	Senior Data Scientist in Capgemini IT Pvt. Ltd. Services Gurugram, Haryana.	Data Drive: Surfing the waves of AI Innovation	February 25, 2024
5	Dr Navneet Sood	Senior Consultant in Pulmonology, Dharamshila Narayana Hospital.	How to keep your lungs health despite pollution"	August 25, 2023

Electronics:

S.No.	Name of guest/ faculty	Designation	Title	Date
1	Prof. H.C. Verma	Retired Prof., Dept. Of Physics, IIT Kanpur	TALK SHOW during Optics Outreach Culmination	October 06, 2023

Physics:

S. No.	Name of guest/ faculty	Designation	Title	Date
1	Prof. Dhananjay V. Gadre	Professor at the Netaji Subhas University of Technology in the Department of Electronics and Communication Engineering and founder Director of CEDT and TI-CEPD.	'Tinkering for Physics'	March 21, 2024

Zoology:

S.No.	Invited Speaker	Affiliation	Title	Date
1	Dr Thallapally Mogili	Scientist (Retd.) Central Sericultural Research and Training Institute, Mysuru	Propagation, Pruning and Cultivation of Mulberry	August 09, 2023
2	Prof. V.B. Upadhyay	Head, Deptt of Zoology (Retd.) DDU Gorakhpur University, Gorakhpur, Uttar Pradesh	Basics of Sericulture	August 09, 2023

S.No.	Invited Speaker	Affiliation	Title	Date
3	Dr Sardar Singh	Scientist D and Head, RSRS, CSB, Sahaspur, Dehradun	Hatching of eggs and Chawki silkworm rearing technique	August 10, 2023
4			Different Techniques of late age silk worm Rearing	
5	Mr Surinder Bhat	Scientist D, Silk Technical Service Center, CSB, Premnagar, Dehradun	Post coccon Technology	August 11, 2023
6	Dr Deepti Gupta	Professor, IIT Delhi	Extraction and applications of sericin biomolecule	August 12, 2023
7	Dr Yeruva Thirupathaiah	Scientist-C, CSRTI, Mysuru	Use of Pupae in Livestock Feed and Cosmetics	August 12, 2023
8	Dr K.M. Vijaya Kumari,	Director CMER&TI, Lahdoigarh, Jorhat, Assam	Eri and Muga Sericulture in India	August 14, 2023
9	Dr Vivek Kumar Choudhary	Scientist Incharge & Field Biologist, Tughlaqabad Biodiversity Park CEMDE, University of Delhi	Integrating Tasar cultivation in an ecological restoration process for conservation of Vanya silkworm and development of sustainable livelihood option for local tribal at a degraded mined-out area of Purnapani, Odisha"	August 14, 2023
10	Prof. Chirashree Ghosh	Professor, Department of Environmental Science, University of Delhi	Actual causes and condition of air in the National Capital Delhi	November 28, 2023
11	Prof. Shachi Shah,	Professor & Head, SOITS, IGNOU	Importance of science and different visions in it for the world	November 28, 2023



S.No.	Invited Speaker	Affiliation	Title	Date
12	Prof. Namita Rajput	Shri Aurobindo College, University of Delhi	Creating Safe campus: Understanding and Implementing UGC guidelines for gender Sanitization"	November 28, 2023
13	Mr Gaurav ,	Assistant Professor, Ramanujan College, University of Delhi	Snakes in the city	November 28, 2023
14	Dr Devraj Joshi	Associate ProfessorTribhuvan UniversityNepal	ISME activities in Nepal and organisation of SASME (South Asian Symposium for Microbial Ecology)	February 13, 2024
15	Prof. Rup Lal	ISME Ambassador, India Acharya Narendra Dev College University of Delhi	Introduction to ISME and Activities in India,and Importance of Scientific Writing and Communication: How to publish in ISME journals	February 13, 2024
16	Dr Jasvinder Kaur	Assistant Professor Gargi College University of Delhi	"Scientific reading exercise" Section A: How to read a paper	February 13, 2024
17	Dr Pushplata	Assistant Professor Department of Zoology University of Delhi	Scientific reading exercise" Section B: Peer-Review Process	February 13, 2024
18	Dr Utkarsh Sood	Assistant Professor Kirori Mal College University of Delhi& Editor ISME Communications	Introduction to ISME Journals	February 13, 2024
20	Dr Alan Warren	Natural History Museum, London	What have Ciliates Done for us	March 05, 2024

COLLEGE ACTIVITIES



7. College Activities

7.1 ACTIVITIES ORGANISED BY IQAC

The Committee organized, and presided over many workshops, seminars and conferences to provide the latest information and training to the students and the staff. The IQAC also ensured the submission of Annual Performance Assessment Reports (APARs) by the staff to update the personal improvement records of all stakeholders. The Committee also performed the screening of the applications for promotions of the staff members.

7.2 ACTIVITIES OF STAFF COUNCIL COMMITTEES

7.2.1 Annual Events Committee

Convenor: Dr Sumit Sahni & Dr Vineet Kumar Singh (Botany)

Acharya Narendra Dev College celebrated its Annual Day, honouring the achievements of its students, faculty, and staff on December 12, 2023. The event was graced by esteemed dignitaries, including the Chief Guest Dr Meena Mishra, Scientist 'H', Director, Solid State Physics Laboratory (SSPL); Guest of Honor Professor Balaram Pani, Dean Colleges, University of Delhi and our Chairperson Prof Sudeshna Mazumdar-Leighton. The program commenced with a heartfelt homage to Acharya Narendra Dev Ji, followed by the university kulgeet. The lamp lighting and Saraswati Vandana set a spiritual tone for the event.

The Secretary, Staff Council Dr Geetika Kalra welcomed the audience, and the Principal Prof. Ravi Toteja presented a comprehensive Annual Report highlighting the college's progress and accomplishments throughout the year. The much-awaited release of the College Magazine, INSIGHT, was another highlight of the event. The Chief Guest delivered an inspiring address, sharing valuable insights and motivating the students and faculty. The Guest of Honor and Chairperson also addressed the gathering, offering their words of encouragement and support. The highlight of the event was the निष्ठा Award & Annual Prize Distribution ceremony, where meritorious students were recognized for their outstanding academic achievements and contributions to the college. This year निष्ठा award was presented to one teaching staff Prof. Amit Garg, Department of Electronics and 23 non-

teaching staff for completing 25 years of service. The Best Student Silver Jubilee Award for the year 2022-2023 was given to Vridhi Singh of Botany (H) IIIrd Year, for her impressive all-round performance. The program concluded with a vote of thanks and the national anthem, leaving a lasting impression on all attendees. The Annual Day served as a platform to showcase the college's vibrant culture, academic excellence, and commitment to holistic development. It was a day of celebration, inspiration, and pride for the entire Acharya Narendra Dev College community.

7.2.2 Cultural Events Management Committee

Convenors: Dr Pragati Malik (Chemistry), Dr Anita Thakur (Botany) and Dr Deo Datta (Mathematics)

- ◆ On May 01, 2024, the college organized a farewell party for the graduating seniors. The students came up with ideas like a themed party, an award ceremony, and giving out titles to create memories of their college days.
- ◆ The college's cultural committee hosted a lively freshers' party on March 06, 2024 to welcome the new first-year students. The students could familiarize themselves with the college and interact with their senior peers. Dressed in their festive best, the students participated in enjoyable gaming activities and had the chance to mingle and get to know one another. It was clear that the incoming students were brimming with innovative ideas and a spirited enthusiasm.
- ◆ Embracing the essence of Indian culture and unity, Navratri is a vibrant celebration showcasing color, action, music, and togetherness. As the nine-day festivities approached, the College Campus hosted the Dandiya Evening on October 19, 2023. Adorned in traditional attire and exuding a dolled-up charm, the attendees showcased their dancing prowess. Preparations for the event included sending invitations and decorating the venue, culminating in a night filled with a riot of colors and a blend of music, leaving the revelers with cherished memories of the joyous celebrations.

7.2.3 National Service Scheme (NSS)

Convenor: Dr Sunita Jetly (Biomedical Science)

The National Service Scheme (NSS) Unit at Acharya Narendra Dev College, University of Delhi, has consistently been instrumental in promoting

social responsibility, community service, and active citizenship among students. Throughout the year, the unit organized a variety of activities designed to raise awareness, foster empathy, and contribute to societal welfare. Below is a summary of some of the key initiatives undertaken by the NSS Unit.

- ◆ **Aarohi:** The NSS Unit successfully organized the first edition of its annual fest, Aarohi'23. The event kicked off with a lamp lighting ceremony, followed by the inauguration of the annual newsletter, Surabhi. The chief guest, Mr. Krishan Kumar Gupta, the first and founding volunteer of NSS, spoke about the history, achievements, and future of the NSS. The fest also featured an inter-NSS panel discussion, a quiz competition, and a presentation. The event was attended by 62 participants.
- ◆ **Angdan Mahotsav:** On August 03, 2023, an online pledge-taking ceremony was organized by the NSS Unit at Acharya Narendra Dev College, following the directives of the Ministry of Health and Family Welfare, Government of India. 38 volunteers participated in the ceremony, which aimed to raise awareness about the importance of organ donation. To further promote the cause, reels and posters were shared on the college's official social media handles.
- ◆ **Eyes and Organ Donation Awareness Drive:** On September 05, 2023, the college organized an Eyes and Organ Donation Awareness Drive. The event featured guest speakers, including Mr. Balram, a national awardee and the best transplant coordinator, and Mrs. Kamlesh Saini, an AIIMS awardee. The session was well-received, with 120 attendees learning about the significance of organ donation and its impact on saving lives.
- ◆ **Van Mahotsav:** Van Mahotsav or Tree Plantation Week was celebrated from July 01-07, 2023, with a series of activities aimed at promoting environmental sustainability and the importance of trees. The NSS Unit organized an online pledge-taking ceremony encouraging participants to commit to planting and protecting trees. A total of 32 participants joined the pledge.

On July 4th, the NSS Unit conducted a Hug A Tree activity on campus to honor the sacrifices of the Chipko Movement and raise awareness about the importance of conserving trees. This activity saw the participation of 8 individuals.

The week concluded with a plantation drive on July 7th, where 5 participants actively contributed to planting trees on the college campus, further reinforcing the commitment to environmental conservation.

- ◆ **Meri Mati, Mera Desh:** On August 09, 2023, the NSS Unit at Acharya Narendra Dev College organized an online pledge-taking ceremony to honor the nation's history and freedom fighters. 47 volunteers participated in this ceremony. As part of the event, informative reels were shared under the series titled '*Veeron ka Vandan*', which highlighted the contributions of unsung warriors of India's freedom struggle.

Additionally, volunteers took selfies with soil and the national flag and uploaded them on the government's designated platform. A total of 23 selfies were posted as part of the campaign.

Under the MMMD (*Meri Maati Mera Desh*) initiative, which focuses on honoring the nation, a kalash was filled with rice donated by the college's staff and students. The kalash was then presented to the respective regional officer, following a kalash yatra. A total of 35 volunteers participated in this meaningful event.

The NSS volunteers also attended the closing ceremony of MMMD Season 2 on October 31, 2023, held at Kartavya Path in the presence of the Hon'ble Prime Minister. 17 volunteers participated in this national event, further showcasing their commitment to the country and its values.

Instagram Reels' *Veeron Ko Vandan*'

<https://www.instagram.com/reel/Cvu5SKlus5g/?igshid=MzRIODBiNWFIZA==>

<https://www.instagram.com/reel/CvwzhU0py2U/?igshid=MzRIODBiNWFIZA==>

- ◆ **Independence Day and Har Ghar Tiranga:** On August 14, 2023, a Tiranga awareness event was organized at the college, where national flags were distributed to students and staff. A group of 10 volunteers led the initiative, promoting the Selfie with *Tiranga* campaign to encourage everyone to take photos with the flag and share them on social media. Additionally, participants were urged to set the *Tiranga* as their social media display picture to show solidarity and pride. Volunteers and faculty members also took an

E-pledge, committing to respect and uphold the values represented by the national flag. The event aimed to foster a sense of national pride and unity among the college community in celebration of Independence Day.

- ◆ **NSS Day:** On September 24, 2023 a series of community service activities were carried out with active participation from volunteers, aimed at supporting the needy and raising awareness in various sectors:

River Cleaning Drive: In collaboration with the YSS Foundation, a river cleaning drive was held at Kalindi Kunj Ghat. A total of 7 volunteers participated in the initiative to help clean the river and promote environmental awareness.

Clothes, Books, and Stationery Donation: A charitable donation event took place where 75 pairs of clothes were distributed among needy individuals, and 50 books and stationery sets were given to underprivileged children. This activity saw the involvement of 40 volunteers.

Donation to School in Noida: A whiteboard and essential teaching materials were donated to a school in Noida dedicated to supporting needy children. 6 volunteers participated in this effort to enhance the learning environment for these children.

Electoral Awareness Survey: An Electoral Awareness Survey was conducted in the Kalkaji Constituency, where 90 people were surveyed. It was found that 22 individuals did not have voter ID cards. Volunteers helped complete their online registration to ensure their inclusion in the electoral process. This initiative engaged 25 volunteers.

- ◆ **Ek Tareekh, Ek Ghanta:** On October 01, 2023, a cleanliness drive was conducted in the locality of Govind Puri to mark the eve of Gandhi Jayanti. As part of the initiative, 50 volunteers dedicated one hour to clean and beautify the neighbourhood surrounding of their college. The event was aimed at promoting cleanliness and honouring the principles of Mahatma Gandhi, fostering a sense of civic responsibility and community involvement.
- ◆ **Clean India Campaign:** Several impactful cleanliness and awareness initiatives were carried out throughout October 2023, with significant participation from volunteers:

On October 03, 2023, a *Swachchhata* Plog Run was organized both in the college campus and the locality of Govind Puri. A total of 23 volunteers participated in the event, combining jogging with litter collection to promote cleanliness and environmental consciousness.

On October 07, 2023, a cleanliness drive was conducted at Nehru Bal Chikitsalaya. 13 volunteers took part in cleaning and organizing the premises of the hospital to create a healthier environment for the children being treated there.

A pledge-taking ceremony was organized at the college on October 17, 2023, where 38 volunteers participated. The ceremony aimed to encourage commitment to cleanliness, social responsibility, and the values of civic engagement.

On October 31, 2023, a cleanliness drive took place in the college, where volunteers cleaned the NSS room and research wing. 24 volunteers dedicated their time to maintaining the cleanliness of these important areas within the college, contributing to a better academic and research environment.

- ◆ **Thalassemia Screening Camp:** On November 03, 2023, a Thalassemia Awareness and Screening Camp was organized at the college in collaboration with Maulana Azad Medical College, Bhore Living Humanly Foundation, and the Delhi State Blood Cell. The camp, supervised by Dr Ranjana Mishra from Yashoda Hospital, aimed to raise awareness about Thalassemia and provide screening. Over 100 people attended, with more than 60 individuals screened for the condition, promoting health awareness and community support.
- ◆ **Cancer Screening Camp:** On November 29, 2023, a Cancer Awareness and Screening Camp was organized at the college in collaboration with Dr B. R. Ambedkar Center for Biomedical Research, Bhore Living Humanly Foundation, and Delhi School of Public Health. The camp, supervised by Dr Sushma Dhar from Dharamshila Rahat Medical Center, aimed to raise awareness about cancer and offer screening services. The camp was attended by over 100 people, and more than 60 individuals were screened for cancer, contributing to health education and early detection efforts in the community.
- ◆ **National 'Voters' Day:** A pledge-taking ceremony was organized on the college campus, where NSS volunteers pledged to cast their vote in the upcoming elections, provided they met the minimum

eligibility criteria. A total of 43 attendees participated in the ceremony, reinforcing the importance of civic engagement and responsible voting.

◆ **Electoral Awareness SVEEP Activities** (March, 2024)

A summary of the events organized by the college NSS as part of an awareness drive on voting rights and responsibilities in early March 2024. These activities were designed to raise awareness and encourage the youth to actively participate in the electoral process, especially first-time voters, while also making the learning process fun and engaging.

Village (Urban Slums) Visit for Voter Awareness: On March 02, 2024, 15 volunteers from NSS and UBA units visited Nehru Camp Village to raise voter awareness by interacting with locals, discussing voting rights, addressing questions, and encouraging participation in the upcoming Lok Sabha elections.

Invited Talk (Online): On March 02, 2024, 42 participants attended a Google Meet session led by Aditya Raj, Member of Youth Parliament, on the significance of voting in democracy, followed by an engaging discussion that the volunteers found enlightening.

Open Discussion (Online) On March 03, 2024, 37 volunteers participated in a Google Meet session moderated by Afshar Ajmeri, President of NSS Unit, where they shared their excitement about voting for the first time and discussed challenges in raising awareness about voting rights.

Demonstration of 'How to Use VVPAT & EVM On March 04, 2024, 23 participants attended a demonstration in College campus, led by Mr. Abhay Pratap Singh, to familiarize first-time voters with the use of VVPAT and EVMs in the voting process.

Flash Mob Dance On March 05, 2024, NSS volunteers, in collaboration with Maayra: The Dance Society, performed flash mob dances across the college campus to raise awareness about voting rights, followed by discussions with the audience.

Quiz Competition (Online) On March 05, 2024, 16 participants took part in an engaging quiz on Google Forms about electoral rights and responsibilities, with Gyanvi Singh emerging as the winner.

Slogan Writing Competition From March 03 to 05, 2024, 4 participants took part in an online competition on Google Forms,

submitting slogans on the importance of voting, with Vivek Kumar's slogan being selected as the best entry.

Electoral Song Performance on March 06, 2024, volunteers, in collaboration with Dhun: The Music Society, performed the Electoral Song given by the Election Commission of India on campus to inspire students about the significance of voting through the power of music.

◆ **Other Activities and Events:**

- ❖ Group discussion on the occasion of International Youth Day on August 12, 2023, attended by 33 volunteers.
- ❖ 8 volunteers participated in Chaupal: A discussion on social service with Goonj organization on August 20, 2023.
- ❖ On August 25, 2023, a webinar on "How to Keep Your Lungs Healthy Despite Pollution" was conducted with Dr Navneet Sood, Senior Pulmonologist, as the guest speaker, and was attended by 90 participants.
- ❖ Observation of Hindi Pakhwada in collaboration with Hindi Parishad of the college from September 14-29, 2023, attended by 40 volunteers.
- ❖ 10 volunteers participated in Shaheed Utsav at Thyagraj Stadium organized by the Govt. of NCT Delhi.
- ❖ Distribution of nutritious meals among needy children every Thursday except gazetted holidays.
- ❖ Regular awareness through social media accounts.

7.2.4 Eco-Club 'Paritantra'

Convenor: Dr Sunita Jetly (Biomedical Science)

- ◆ The year began by organising 'World Water Week' from August 20 to 24, 2023.
- ◆ On September 01, 2023, three Eco-warriors attended a workshop on 'Youth Empowerment towards Circular Economy and Resource Efficiency' organised by Hartima, the environment society of Hansraj College in association with Indian Youth Climate.
- ◆ On Zero Carbon Emission Day i.e., September 21, 2023, Inter College Debate Competition was organised, title of the debate - 'Can India achieve net zero carbon emission by 2070?' in which the students

of PGDAV College, Maharaja Agarsen College and Satyavati College participated and discussed the possibility of net zero carbon mission by 2070. Judges of the event were- Dr Sunita Jetly, Dr Sarita Agarwal, Mr Abhay Pratap Singh, Dr Deepshikha and Dr Sanjay Kumar.

- ◆ The Yamuna Clean-Up project was held in association with NSS and UBA on World River Day (September 24, 2023).
- ◆ On September 28, 2023, an online workshop on GPS Camera was conducted. The Eco warriors attended the workshop in which Mr Sandeep Gupta, BMS-II was the speaker and chaired by Mr Dev Parveen Rathod, BMS-II.
- ◆ “*Ek-Tareek Ek-Ghanta*” event was organised in collaboration with NSS and UBA on October 01, 2023, where the Eco warriors cleaned some parts of Govind Puri.
- ◆ The second Yamuna Clean-Up was conducted again at Kalindi Kunj Ghat on the occasion of Gandhi Jayanti (October 02, 2023).
- ◆ On October 07, 2023, Heritage Walk was conducted, the Eco warriors assembled to take a tour in the Tughlakabad Biodiversity Park and observed dragonfly and damselfly.
- ◆ Organised a Pollution Awareness Week from November 01 to 07, 2023. where the Eco club “Paritantra” spread awareness in Govind Puri regarding pollution caused by crackers burst during Diwali.
- ◆ On November 03, 2023, the Eco-club ‘Paritantra’ in collaboration with NSS organised a Thalassemia Awareness program. Teaching staff, non-teaching staff and the students came forward to check Thalassemia.
- ◆ On November 04, 2023, Eco warriors participated in the cleanliness drive at Sanjay Van and their actions were welcomed by WWF (World Wildlife Fund) India.
- ◆ NSS in collaboration with Eco Club ‘Paritantra’, organised a special talk on Constitution Day (November 26, 2023).
- ◆ On November 29, 2023, Eco Club ‘Paritantra’ and NSS in collaboration with Unnat Bharat Abhiyan organised a Cancer Awareness program.
- ◆ On December 08, 2023, Eco club ‘Paritantra’ in collaboration with the Environmentalist Foundation of India organised India Environment Masterclass. This was the awareness program regarding environment conservation.

- ◆ On February 05, 2024, Eco -Club 'Paritanta' organised the talk on Project Amrit.
- ◆ From February 09 to 10, 2024, the Eco warriors went to India Gate for the Mission LiFE, being organised by WWF (World Wildlife Fund) India under the Ministry of Forest, Environment and Climate Change.
- ◆ From February 16 to 19, 2024, WWF (World Wildlife Fund) India organised the Campus Bird Count. The college received a certificate of appreciation for counting the bird on the campus.
- ◆ On February 25, 2024, a Yamuna Clean-Up project was organised at Chatt Ghat, ITO Delhi. Eco warriors stormed through the bank of river Yamuna and collected the garbage.
- ◆ On March 05, 2024, NSS in collaboration with Eco Club and Unnat Bharat Abhiyan organised a reel making competition titled, "*Mera Pehla Vote Desh Ke Liye*", it was a well-received event.
- ◆ On Earth Hour Day (March 23, 2024), the warriors spread awareness for switching off non-essential lights at Lodhi Garden.
- ◆ Eco- Club 'Paritantra' finished its wonderful year by organising a talk by Dr Vivek Chaudhary on Earth Day (April 22, 2024) and the ECO-Club 'Paritantra' celebrated the Environment Day on June 05, 2024.

7.2.5 Sashakt

Convenor: Dr Anita Narang (Botany)

The ICC (Internal Complaints Committee) has been in place to address the complaints from students pertaining to sexual harassment issues. The institution gives a comfortable space to the girl students to come out and share their problems without any fear. The complaint is kept confidential and the committee meets to resolve the issue at the earliest.

'Sashakt' is a society for women's empowerment which undertakes numerous initiatives to spread awareness in the college to address women related issues through street plays, organisation of various competitions like poster making, slogan writing etc. The activities carried out during the past year are summarized as follows:

- ◆ On November 07, 2023, Sashakt hosted a movie screening of the Bollywood blockbuster "Pink" at the seminar hall. Participants discussed how they felt about the way the movie portrayed societal views and the legal obstacles that women confront. Preconceptions,

the significance of consent, the representation of gender roles, and the role of lobbying in advancing gender equality were among the important subjects covered.

- ◆ Sashakt in collaboration with the Mentoring and Counselling Society of Acharya Narendra Dev College conducted an online creative writing contest on the topic , “Unrealistic Expectations and its Effects on Self-Esteem.” The contest saw outstanding submissions on the topic and was a resounding success.
- ◆ Sashakt, in collaboration with the Mentoring and Counselling Society of Acharya Narendra Dev College, conducted a digital poster-making competition on the topic ‘Breaking Barriers and Sexual Exploitation’. The competition aimed to harness the creativity and artistic skills of participants while promoting awareness and engagement on the theme. The event showcased the talent and innovation of participants while contributing to broader awareness and advocacy efforts.
- ◆ A video was made aimed at capturing the perspectives and sentiments of the students of ANDC regarding International Women’s Day. The video was produced by Sashakt and featured students from various academic disciplines sharing their thoughts on the significance of Women’s Day and the challenges women face today. This emphasises the importance of education, advocacy, and support for women’s rights.
- ◆ The core team members of the Women Empowerment Society at Acharya Narendra Dev College produced a video to commemorate International Women’s Day. The video featured core team members of the Women Empowerment Club delivering messages of empowerment, encouragement, and solidarity. The video was released on Women’s Day through the society’s official Instagram page and circulated in the college through WhatsApp.
- ◆ On the occasion of International Women’s Day, our society convenor Dr Anita Narang attended the Women and Mental Health Summit organised by Bharat Dialogues in India International Cultural Centre. The summit featured keynote speeches from experts in mental health, gender studies, psychology, and public policy. These speakers provided insights into current research, innovative interventions, and policy recommendations aimed at addressing women’s mental health needs.

- ◆ Sashakt, the Women Empowerment Society of Acharya Narendra Dev College, organised a talk, headed by Adv. Shisba Chawla, a renowned personality in the field of cyber security on cyber awareness on March 12, 2024 in the seminar room. The talk covered a range of topics related to cyber safety and empowerment. An interactive session followed the presentations, allowing participants to engage directly with speakers, ask questions, and seek advice on specific cyber safety issues.
- ◆ On the occasion of International Women's day the society conducts an online quiz competition Strivia'24. The quiz covered a wide range of topics, including: Historical achievements and milestones in women's rights movements, contributions of women in science, arts, politics, and social activism, contemporary challenges and ongoing efforts for gender equality worldwide. The event showcased the importance of celebrating Women's Day through educational initiatives that empower individuals with knowledge and inspire action for gender equality.
- ◆ In celebration of International Women's Day and the power of creative expression, Sashakt - The Women Empowerment Society of Acharya Narendra Dev College hosted the "ASTITVA" Mono Act Competition. ASTITVA provided a valuable platform for creative expression and advocacy for gender equality. Sashakt, through this competition, aimed to celebrate the power of feminine talent and inspire participants to use their voices to advocate for a more equitable society.
- ◆ The Sashakt Women Empowerment Society and The Mentoring and Counselling Society of Acharya Narendra Dev College jointly hosted an Inter-College Group Discussion on October 12, 2023. This event provided a platform for undergraduate students from various colleges to engage in a thought-provoking discussion on critical themes impacting young adults. The event was open to all undergraduate students. The Inter-College Group Discussion fostered a space for intellectual exchange and critical thinking amongst participants. The collaborative effort by Sashakt and The Mentoring and Counselling Society provided a valuable opportunity for young minds to engage in meaningful discussions and create a supportive community.

- ◆ Sashakt - The Women Empowerment Society of Acharya Narendra Dev College hosted an online, via google meet, inter-college extempore competition on the theme of Gender Inclusivity on March 08, 2024. The Sashakt Women Empowerment Society's Inter-College Extempore Competition on Gender Inclusivity proved to be a successful platform for students to engage in meaningful discourse on a critical social issue and fostering a dynamic and thought-provoking environment.

7.2.6 Dhwani: Theatre-An Enabling Experience

Convenor: Dr Monica Misra (Zoology)

- ◆ **Summer Workshop:** The summer workshop is a cornerstone of Dhwani society. It is dedicated to enhancing teamwork, creativity, and performer confidence. Held during the summer break, the workshop focused on the discipline and effort required in theatre through a variety of intellectual and practical activities. Participants explored characterization, scriptwriting, and built their confidence as performers. Physical exercises prepared them for the physical demands of open-air stage performances, such as street plays. Professional director Mr Suraj Pratap Singh also contributed by offering insights into NEST, an advanced theatre course. The workshop concluded with the group completing a small production.
- ◆ **Teacher's Day:** "Teachers can change lives with just the right mix of chalk and challenges." -Joyce Meyer. On September 05, 2023, for Teacher's Day, we presented a skit titled "*Kitaabon ke Paar*" as a tribute to our college teachers. The performance was a heartfelt expression of appreciation, recognizing the significant impact teachers have in shaping students' lives and inspiring them to reach their potential. It served as a token of gratitude for their guidance and dedication.
- ◆ **Hindi Divas:** On the occasion of Hindi Divas, Dhwani presented a contemporary Hindi play to present the versatility of the Hindi language in contemporary fiction. The play follows the shenanigans of a trio of corporate employees while trying to dethrone their despotic CEO for an attempt at a better work life. The play was staged on September 15th, 2023.

- ◆ **Flower Fest:** Street play “पेड़ोंकीगूंज” was performed at the Annual Flower Show of University of Delhi held on March 1, 2024. The production was an attempt to educate the audience about the sacrifices women made during the Chipko Movement of Uttarakhand and the khejri tree felling in the erstwhile state of Jaipur. The play showcased the courage of simple women in saving the trees even in absence of their male counterparts,
- ◆ **Auditions:** As in previous years, the auditions for the society garnered a great response, especially from first-year students eager to get involved. The society’s first street play performance on campus attracted a large audience, reflecting the enthusiasm of the newcomers. The auditions were conducted in two phases: October 07-09, 2023 (Phase 1) and February 20-21, 2024 (Phase 2). In total, over 40 students were selected to join our team and participate in upcoming activities and performances.
- ◆ **Sahir’24:** During the 2023-24 session, our society organized two major theatre competitions, with Sahir, the annual Street Play competition, being the highlight. As one of the most prominent events in the Delhi Collegiate Theatre Circuit, Sahir attracted a large number of registrations and was conducted in two phases: Prelims and Finals.
 - ❖ **Prelims:** Held on April 01, 2024, the prelims saw over 25 teams competing. After careful deliberation, the judges selected 10 teams to advance to the finals.
 - ❖ **Finals:** The finals took place on May 04, 2024, featuring 10 competitive performances and one non-competitive performance. The event was judged by esteemed theatre artists from Asmita Theatre Group and Tarun Kohli, who evaluated the performances with great expertise.
- ◆ **Theatre Gallery:** The Annual Theatre Gallery was the culmination event of the year, offering an immersive theatrical experience where the audience and performers shared the same platform. This year’s play focused on a group of young individuals struggling with loneliness and inner demons. The preparation began in March 2024, with performances held on April 16th, 18th, and 19th. The event attracted a large audience of students and faculty, with faculty tickets priced at 40 rupees. The play received an overwhelmingly positive response, with many moved emotionally by the performance, which featured original music composed by the society members.

7.2.7 IT Committee

Convenor: Prof. Seema Makhija (Zoology)

Following items have been purchased in this year to upgrade IT facilities in the College:

- ◆ Interactive Smart Panels were purchased and installed in the undergraduate labs.

Following technology advancement initiatives were taken on the website of the college by I.T. Committee:

- ◆ Regular updates to the college website were made w.r.t. updating content, creation of new pages and mobile responsive corrections as applicable.
- ◆ College launched the SmartProf ANDC, official college app to help increase engagement of all stakeholders (students, faculty, and non-teaching staff) for important notices and updates internal to college. The application which is available both on Google and Apple app stores contains a digital notice board that the college admin can customize to even a unique student, group of students, a particular year or all students level, thus giving flexibility to personalize the notices. Every message sent broadcasts a push notification to the user device for increased engagement.
- ◆ The optional paper form module was further enhanced as per requirement of NEP framework to take student preferences for optional papers for different paper types (SEC, VAC, AEC, GE, DSE) in an organized and system driven manner with proper validations in place. The system eliminates human error and automates the tricky process as it involves multiple permutation/combination and the accompanying manual work to sort through Google form entries in the conventional process.
- ◆ Online Submission of Scholarship forms by the students.
- ◆ Multilingual Website
- ◆ The college also developed and used the I-Card module which was linked to the I-Card printing machine thus helping streamline the process from feeding of information to generation of I-Card. The I-Card module generates a dynamic PDF configured to the specifications of the printer to print an I-Card to the exact dimensions in college specific customized design. This has greatly helped college admin to independently generate I-Cards as and when required.

- ◆ The V-Lab initiative of the college was also deployed on the College cloud server and continues to operate from there. Further the student team developing and maintaining the module were given restricted and secure access to the college cloud server for deployment of files w.r.t the V-Lab module.
- ◆ Implementation of Search Feature.

The Language Admission Module continued to operate conducting the entire process from Applicant Registration, Application Submission, online 3-step Verification (by Dealing Assistant, Convenor & Principal), Online Fee Payment and generation of Language Student I-Card.

7.2.8 Library Committee

Convenor: Prof. Seema Gupta (Chemistry)

• Library Resources	
• Total No. of books	34849
• Magazines & Journals Subscribed	19
• New books added	607
• E-Resources	

Login Id for accessing e-resource of Delhi University Library System & N-List has been created for the students & faculty.

Workshops& Seminars

A workshop on “E-Resources of Delhi University and UGC Inflight N-Lists” was organized by the Library on October 26, 2023 at 12.00 pm. Around 50 participants had attended the event including Faculty members, Research scholars, Undergraduate students and the Library staff. Ms Bhawana Vashistha from Central Reference Library enlightened the participants with e-resources of Delhi University.

Book Exhibition

- ◆ Library has organized a two day Annual Book Exhibition from October 05-06, 2023 in the library for faculty and students. Many renowned Publishers & Book Sellers like Prentice Hall of India, Unilib Book Dist. Pvt. Ltd., Asian Book Centre, Narosa Publishing House, Pearson Education, S.Chand & Co., Cambridge University Press, Orange Books International, Viva Books Pvt.Ltd., Orient Blackswan Pvt. Ltd. displayed their books in the library. Faculty and students selected books for the library as well as for their personal use.

- ◆ M/s New Age International Pvt. Ltd. has displayed their publications in the Library on October 19 2023. The Publisher has donated 33 books of their publications to the Library.

7.2.9 Sports Committee

Convenor: Dr Chaman Singh (Mathematics)

Chief Coach: Dr Satyapal Singh (Physical Education)

Building upon the success of the previous year and with the continued support of our Principal Sir, Dr Ravi Toteja, the sports committee of our college with the enthusiastic response of the students managed to take sports in our college to a new high. Dr Satyapal Singh the youngest Daronacharya Awardee and the Chief Coach and Assistant Professor Physical Education of ANDC with the help of specific coaches (guest faculties) train the students for enhancing sports activities in the college. To enhance the sports activities and for better coordination, the sports president and 13 team coordinators were made among the students.

- ◆ The Yoga Day was celebrated on 21st June in the college premises. Mass participation of students was seen, and staff of the college was also present during the event.
- ◆ In the 1st semester, Fit India Movement and Sports league was organized. Fit India ANDC Sports league Tournament-2023-24 was started in the month of October. It started with flag march and oath taking ceremony requesting students to play with sportsmen spirit. Dr Ravi Toteja, Principal, ANDC met every course student and wished them luck. Over 800 students' boys and girls of all the courses took part in different team events including 12 Cricket teams, 11 Football teams, 13 Basketball teams, 18 Volleyball teams and 17 Kabaddi teams, Badminton events, Athletics, Chess and Carrom. Main purpose of the league was to enhance sports zeal among students and increase their physical fitness. It helped students in boosting up their confidence.
- ◆ In the 2nd semester, Fit India Movement and Knockout Tournament was organized. Fit India ANDC Sports Knockout Tournament-2023-24 was started on 1st February. Over 500 students' boys and girls of all the courses took part in different team events.
- ◆ The annual sports day was celebrated on February 16, 2024. The annual sports day started with the welcome of the honorable chief guest Mr Shivpal Singh, Olympian, who has participated in Tokyo

Olympic Games-2020 in Javelin Throw with Mr Neeraj Chopra. Our respected Principal Prof. Ravi Toteja welcomed her by giving her a planter. Students of the respective departments actively participated in the march past. The Principal Prof. Ravi Toteja enlightened the students with his views on the occasion. Ph.D. scholars and non-teaching staff of the college enthusiastically participated in 100 m race. Students of various courses took part in 4x200m relay race for boys and girls. In Prize distribution ceremony, all the winners and runners-up were presented with trophies and certificates by the chief guest and Principal. B. Sc. (Hons) Zoology won the intra college champions trophy, whereas B. Sc. (Hons) Computer Science won the runner-up trophy. Mr Shivpal Singh motivated the students to make a carrier in sports with her encouraging words.

7.2.10 Alumni Affairs Committee

Convener: Prof. Manisha Jain (Chemistry)

- ◆ With the efforts of College administration and alumni affairs committee, the college alumni association got formally registered with the name 'ANDC ALUMNI NETWORK' as per Govt. rules with seven office bearers to begin with.
- ◆ The office bearers are: President:
Prof. Prashant Singh (B.Sc. (H) Chemistry 2003)
Vice President : Dr Yash Mangla (B.Sc. (H) Botany 2006)
Secretary: Ms Ankita Nagpal, (B.Sc. (H) Chemistry 2012 batch)
Treasurer: Advocate Sudhir Ahlawat (B.Sc. (H) physics 2014)
Executive Members: Dr Monika Mishra (B.Sc. (G) Group B of 2006),
Mr Abhay Pratap Singh (B.Sc. (H) Zoology of 2011 batch), Ms Swati Mourya (B.Sc.(H) Zoology 2014)
- ◆ Alumni Affairs Committee Organised an Alumni Meet 2023 on December 17, 2023, in College premises. After many years, the event was well received with 103 alumni registering for the event. They attended the event with their families and a total gathering of 218 people including teaching, non-teaching and support staff was present. In this Alumni Meet 28 alumni of all streams from Batch 1996-2000, were felicitated by the college with a plaque and certificate of appreciation. The newly formed Alumni association and its office bearers were introduced to the attendees. The undergraduate students representing college societies, Myra, Dhun

and Dhvani entertained the alumni with their skilled performances of classical dance, folk dance, Bollywood dance, songs and short play. A contributory lunch was hosted by the college for all attendees.

- ◆ Alumni Affairs committee also organised two department wise, online alumni meets, for Chemistry Department and Botany department to introduce ANDC ALUMNI NETWORK office bearers and to connect the Alumni back to their departments. The online meets were well appreciated by the attending alumni.
- ◆ Alumni Affairs committee in collaboration with ANDC Alumni Network (AAN), organised a lecture on April 19, 2024 by Col. Subhajeet Naha, retired from Indian Army and an alumnus of B.Sc. (H) Chemistry 1999 batch. He delivered a talk on 'Understanding the Tech Career Space in AI and the Digital Era'. The talk was the first, in the series of Popular Lectures planned by AAN.

7.2.11 PICFIE, The Photographic Society

Convenor: Dr Rajesh Chaudhary (Biomedical Science)

The Photography Society at Acharya Narendra Dev College, University of Delhi has achieved significant milestones during the academic year.

- ◆ The society recruited new members, organized photowalks to historical sites, captured the essence of various college events, and organized a one day workshop on the 'basics of photography'. These accomplishments highlight the society's commitment to promoting photography as an art form and providing a platform for budding photographers to showcase their talents.
- ◆ With the continued dedication and enthusiasm of our members, the society looks forward to further growth and success in the coming years.

7.2.12 Garden Committee

Convener: Prof. Manisha Jain (Chemistry)

- ◆ The Garden Committee in coordination with Gardeners of ANDC maintained the aesthetic beauty of the green spaces in college premises for their grass cover, seasonal and perennial plants.
- ◆ Number of flower pots was increased and new perennial plants like Areca palm and floral creepers were increased in number. Seasonal

flowering plants cineraria, petunia, dianthus, marigold (double), gazania, dahlia(double), pansy, salvia, liliun and begonia were planted all over the college lawns in pots, flower beds and hanging baskets to make the college campus look colourful, fragrant and aesthetically beautiful in the winter season.

- ◆ ANDC participated in the 66th Annual Flower show 2024 of University of Delhi on March 01, 2024 in which ANDC gardener, Mr Rajinder, was awarded 'Best Gardener' Award.

7.2.13 Dhun (Music Society)

Convenor: Prof. Anju Agrawal (Electronics)

- ◆ **Farewell:** DHUN's performance at the Farewell on May 01, 2024, was a fitting tribute to the graduating class, marked by emotional depth and musical excellence. The society crafted a set list that blended nostalgia with celebration, ensuring the outgoing batch was honored with unforgettable melodies.
- ◆ **Fresher's day:** Fresher's Day was held on March 06, 2024. The Music Society's performance on Freshers' Day was a captivating showcase that set the perfect tone for welcoming new students to campus. The Freshers' Day performance not only introduced the new students to the immense talent within the society but also set the stage for a year full of musical creativity and excellence.
- ◆ **Collaboration with NSS:** The collaboration between DHUN and the National Service Scheme (NSS) on March 06, 2024, to encourage voting was a powerful and engaging performance aimed at raising civic awareness. Held in the campus just before the national elections, the performance combined music with a strong social message, drawing a large and attentive crowd.
- ◆ **Northeast Fest:** In the month of February, DHUN also performed at the NORTHEAST Society fest held on the North Campus, DU.
- ◆ **Open Mic Competition:** Members of DHUN performed in an open mic competition organized by Blank Voice Studio in the month of December.
- ◆ **Diwali Mela Sahyog:** DHUN performed at Diwali Mela Sahyog on the college campus on November 08, 2023. The uplifting beats, lyrics, and vibes had the audience swinging on their feet with big

and beautiful smiles. Arguably the best appreciation we ever got.

- ◆ **Collaboration with SPIE:** DHUN collaborated with SPIE on October 07, 2023 and inaugurated their event with kulgeet and Saraswati Vandana.
- ◆ **Auditions:** The auditions started from September 26, 2023 onwards. This year it was an exciting and diverse talent showcase. Held over several days, the auditions attracted students from various academic backgrounds. The selection process was divided into vocal and instrumental categories, with participants performing solo pieces of their choice in genres ranging from classical to contemporary. After several rounds of rigorous assessment, the Music Society welcomed new members who showed exceptional promise and dedication.

7.2.14 MAAYRA (Dance Society)

Convenor: Dr Monica Misra (Zoology)

- ◆ **NSS Day Celebration:** On September 25, 2023, during the NSS Day celebration at Acharya Narendra Dev College, Mrigakshi Shrivastava from Maayra performed a captivating Bharatanatyam dance, showcasing the timeless elegance and rich cultural heritage of this classical Indian art form. The performance highlighted intricate footwork, expressive hand gestures (mudras), and effective storytelling, drawing the audience into its beauty and complexity. The performance was a resounding success, with the audience deeply captivated and responding enthusiastically to Mrigakshi's skill and artistry.
- ◆ **Diwali Mela (Sahyog'23):** On November 08, 2023, during Sahyog, the Diwali Mela at Acharya Narendra Dev College, Maayra showcased both traditional and contemporary dance styles that captivated the audience. The performances at the Diwali Mela were not only a source of entertainment but also served as a medium to promote cultural heritage. The dance beautifully captured the essence of Diwali, celebrating joy, unity, and cultural diversity.
- ◆ **Alumni Meet:** On December 17, 2023, during the Alumni Meet, Maayra members prepared a vibrant mix of performances, blending cultural and Western dance styles. Each routine was carefully crafted

to engage and entertain the audience, reflecting the diversity of the society.

- ◆ **Classical Workshop:** On March 04, 2024, Maayra organized a successful classical dance workshop to promote traditional dance forms and improve participants' skills. Ananya played a key role in leading the workshop, demonstrating techniques and movements specific to each dance style. The session was well-received, with participants appreciating Ananya's expertise and the engaging structure of the workshop, leaving with a deeper understanding of classical dance and a motivation to continue their training.
- ◆ **Voter's day:** On March 05, 2024, for Voter's Day, a dance performance was held to promote the importance of voting and civic participation. Dancers Vidhi, Unnati, Disha, and Arpita creatively conveyed this message by blending contemporary and traditional styles, symbolizing the connection between modern society and cultural heritage.

7.2.15 TARK (Debating Society)

Convenor: Dr Yasheshwar (Botany)

TARK, the Debating Society of ANDC, has been one of the most active Societies of the college. Its name has been derived from the initial letters of the words: Think, Argue, Refute, and Kindle. During its journey of five years, TARK has achieved huge success with its members having won various prizes at the college as well as national level.

Events and competitions organized by TARK Society

- ◆ September 20, 2023: Jointly organized Hindi Debate with Hindi Parishad on "यह सदन हमारे देशका आधिकारिक नाम 'इंडिया' से बदल कर 'भारत' किए जाने का समर्थन करता है।"
- ◆ September 25, 2023: TARK and Hindi Parishad jointly organized साहित्यिक परिचर्चा
- ◆ October 20, 2023: Aagman – Intercollege Debate Competition on "This House believes that women reservation should be implemented"
- ◆ November 06, 2023: Let's TARK on "Legal Recognition to non-heterosexual unions Would dilute heterosexual marriages"
- ◆ March 11, 2024: Panel Discussion on "Minimum Support Price: Need of the Hour"

Events and competitions attended by members of TARK

- ◆ August 12, 2023: Kalaam, Creative Writing Competition organized by Abhivyanjana, Debating, Poetry, and Creative Writing Society of Motilal Nehru College – 2nd Position
- ◆ October 07, 2023: Abhivyakti, Creative Writing Competition organized by Rendezvous, the Annual Cultural Fest of IIT Delhi – 2nd Position
- ◆ February 07, 2024: Tejas Gurtu Memorial Debate, organized by Chakrerview: Debating Society of Maharaja Agrasen College
- ◆ February 10, 2024: Debate Competition organized by Aarambh, the Debating Society of Ram Lal Anand College
- ◆ February 19, 2024: Hindi Creative Writing Competition organized by Hindi Parishad of Motilal Nehru College (Eve.)
- ◆ April 04, 2024: Kavyam, Hindi Poetry Competition organized by Pravah, Annual Cultural Fest of PGDAV College (Eve.)
- ◆ April 10, 2024: Swasiddha, Hindi Creative Writing Competition organized by Spilled Ink, Creative Writing Society of Dayal Singh College
- ◆ April 14, 2024: Mahadevi Verma Memorial Creative Writing Competition organized by Abhivyanjana, Debating, Poetry, and Creative Writing Society of Motilal Nehru College
- ◆ April 30, 2024: Geoconclave, Inter-college Debate Competition organized by JIMs Geoconclave Participants: Ujjwal Kumar, Kumar Tarun Singh, Naman Thakur and Aman Umar Vaishya

7.2.16 Enactus

Convener: Prof. Surinder Kaur (Commerce)

Enactus society is dedicated to sustainable development and strives to create a brighter future through various on-going projects. Our on-going projects are:

Project KAAGAZ: In this initiative, our primary focus is on the reuse of waste paper and advocating for sustainability by gathering discarded paper and transforming it into environmentally friendly products through recycling.

Project ABHYUDAY: To impart fundamental understanding of the digital realm, financial management, and health awareness to children affiliated with non-governmental organizations (NGOs), enabling them

to attain independence and make informed decisions for themselves and their families, we meticulously assessed various NGOs.

Enactus ANDC successfully organized a series of events during the 2023-24 academic year, aimed at enhancing societal development and fostering community engagement. Below is a summary of the key events and activities conducted throughout the year:

- ◆ **Orientation (August 24, 2023):** The academic year began with an orientation session held in the seminar hall of Acharya Narendra Dev College. The purpose of the event was to introduce new members to the society's mission, values, and responsibilities, helping them understand the impact of Enactus ANDC's work.
- ◆ **Paper Donation Drive at Venkateshwara College (August 28, 2023):** Project Kaagaz conducted a paper donation drive at Venkateshwara College, focusing on environmental sustainability and the reuse of paper. This initiative aimed to create a lasting impact on community welfare by reducing paper waste and promoting the conservation of resources.
- ◆ **Meet and Greet (September 12, 2023):** Enactus ANDC organized a meet and greet at the college campus to engage with new members. The event aimed to familiarize freshers with the society's ongoing projects and activities, helping to integrate them into the Enactus community.
- ◆ **Paper Collection Drive (September 12, 2023):** The paper collection drive was held on the same day at Acharya Narendra Dev College. This successful initiative aimed to reduce paper waste while supporting individuals and organizations in need through the collection of recyclable paper.
- ◆ **Daan Utsav (October 06, 2023):** As part of the annual celebration of Daan Utsav, a cloth donation drive was conducted on the college campus. This event, observed from October 2 onwards, encouraged students and staff to contribute clothing items to those in need, fostering a spirit of giving.
- ◆ **Visit to Panchvati (October 17, 2023):** A visit to Panchvati, an assisted living facility, was organized by Enactus ANDC. Twelve volunteers participated, spending time with the residents and engaging in meaningful conversations, which made for a truly heartwarming experience.
- ◆ **Diwali Mela (October 2023):** The Diwali Mela featured a lively stall set up by Enactus ANDC, offering engaging activities like the "Let's

Argue” competition, Free Hugs, and DIY stickers. The stall attracted numerous students, fostering a sense of community. Concurrently, the society conducted another paper donation drive, successfully collecting 65 kg of paper for recycling.

- ◆ **Momentum 2023 (November 04, 2023):** Enactus ANDC participated in Momentum 2023, organized by Enactus North Cap University. This event aimed to facilitate networking and collaboration among Enactus teams from various colleges through engaging activities and challenges.
- ◆ **Second Visit to Panchvati (January 07, 2024):** Five volunteers from Enactus ANDC visited Panchvati once again, dedicating their time to socializing with the residents. The visit was aimed at uplifting the spirits of the elderly and creating a day filled with joy and activities.
- ◆ **Psychology Workshop (February 08, 2024):** A psychology workshop was conducted in the seminar hall of Acharya Narendra Dev College, where Ms Saloni, the college counselor, led a thought-provoking session. The workshop focused on exploring feelings and thoughts, providing valuable insights into mental well-being.
- ◆ **Ascendancy 2024 (February 10-11, 2024):** Enactus ANDC participated in Ascendancy 2024, hosted by Enactus IIITD at the Indraprastha Institute of Information Technology, Delhi. The event focused on fostering entrepreneurship and social innovation among students from Enactus chapters across the country.
- ◆ **Mentor Connect (February 17, 2024):** The society attended Enactus India Mentor Connect 2024 at Ramjas College, which was a great opportunity for the team to gain insights from experienced mentors and further enrich their knowledge.
- ◆ **Partnership with Pehchaan- The Street School (March 17, 2024):** Enactus ANDC partnered with Pehchaan- The Street School, a nonprofit organization dedicated to providing education and career training to underprivileged children in the Delhi NCR region.
- ◆ **Shri Ram Economic Summit (March 20-21, 2024):** The society participated in the Shri Ram Economic Summit, hosted by Shri Ram College of Commerce. This annual flagship event offered a unique platform for intellectual discourse and opportunities for students to engage with pressing economic issues.
- ◆ **Farewell (May 10, 2024):** To conclude the academic year, Enactus ANDC held a farewell event to celebrate the contributions of

the senior members. A highlight of the day was a treasure hunt, providing a memorable send-off for the outgoing members.

Enactus ANDC remains dedicated to its mission of driving social change and sustainable development. Through these events and initiatives, the society continues to empower students and communities, contributing to a better future for all.

7.3 DEPARTMENTAL ACTIVITIES

7.3.1 Department of Biomedical Science

Teacher-in-Charge: Dr Archana Pandey

- ◆ Co-organised NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) along with UGC-MMTTC (GAD-MMTTC), Sri Guru Tegh Bahadur Khalsa College, University of Delhi from May 14-24, 2024.
- ◆ Organised Farwell party to formally bid adieu to the batch of 2021-2024 on May 01, 2024.
- ◆ Organised “One-week National Faculty Development Program (Interdisciplinary-Science) on Forensic Chemistry” in association with UGC-MMTTC/GAD-MMTTC, SGTB Khalsa College, University of Delhi, ANDC, University of Delhi, Department of Anthropology and Skills Enhancement Committee, University of Delhi; Forensic Science Unit, SGTB Khalsa College, University of Delhi from April 22-30, 2024
- ◆ Organised One-week National Faculty Development Program (Interdisciplinary-Science) on Forensic Science” in association with UGC-MMTTC/GAD-MMTTC, SGTB Khalsa College, University of Delhi, ANDC, University of Delhi, Department of Anthropology and Skills University of Delhi of Delhi from April 06-18, 2024
- ◆ Co-organised 8th International Conference of INSCR (Indian Network for Soil Contamination Research) and 4th International Symposium on Ciliate Biology, in association with INSCR and other departments of Acharya Narendra Dev College, UoD from April 03-05, 2024 at Conference Centre, University of Delhi, Delhi, India.
- ◆ Co-organised pre-conference workshop of INSCR 2024 on ‘Art of Scientific Writing and Communication’ held on April 02, 2024

- ◆ Organised workshop on “Graphical Abstract and Career in Publishing” with Dr Lipsa Panda as the resource person on March 08, 2024.
- ◆ On the occasion of Women’s day (March 08, 2024) organized, Panel Discussion with female alumni of the Department of Biomedical Science, notably, Dr Lipsa Panda (Communication Manager, Elsevier), Dr Poonam Gupta (DHR-Women Scientist Fellow, HMSR), Dr Debanjana Chakravarty (Postdoctoral Scientist, University of California) and Ms Mrityika Adhikary (M.Sc. student, JNU) at ANDC, University of Delhi.
- ◆ Students were escorted for attending the event - ‘Viksit Bharat Ambassadors – Nari Shakti’ in the presence of Ms Smriti Irani, Hon’ble Union Minister for Women and Child Development, India, at Delhi University’s Sports Complex. March 07, 2024.
- ◆ Organised Freshers Party celebrations to welcome the batch of 2023 on March 06, 2024.
- ◆ The following events were organized during “Cathexis’24” the annual fest of the Department of Biomedical Science at ANDC from February 13-15, 2024
 1. Workshop on ‘On-site Monitoring of Heavy Metal Contaminated Drinking Water Using a Handheld LD Nova Luminometer’ and an online lecture entitled ‘Recent Trends in Bioluminescence Research and Their Implications’ by Mr Ivan Denisov.
 2. Forensic Science workshop called ‘Forensic’s Fair’.
 3. Talk entitled ‘Union of Mind and Body’ by Dr Archana Tayal
 4. An ‘Intercollege hands-on Workshop on Foldscope’ resource person invited was Professor Uma Chaudhary from Bhaskaracharya College of Applied Sciences, University of Delhi.
 5. Panel Discussion with participants from different colleges to discuss trolling on social media and its impact on mental health of youth using the theme title of “Not All Jokes are Jokes”.
 6. Free Health Camp in collaboration with NSS@ANDC .
 7. Screening of Movie “The Vaccine War”.
- ◆ Co-organised One-day workshop on ‘Scientific-Writing and Communication’ held at ANDC and ISME on February 13, 2024.

- ◆ Organised Five Day Workshop on Online RBPT Based National Workshop on Biological Data Analysis with R from January 27-31, 2024.
- ◆ Organized and moderated a Webinar Series featuring clinicians with experience in delivering Phage Therapy from November 23-December 22, 2023.
- ◆ Organized an online workshop “Genome Annotation of Bacteriophages for Clinical Applications” from October 25-November 7, 2023.
- ◆ Students were escorted for attending the event - G20 University Connect Finale programme organized by Government of India in the presence of Mr Narendra Modi, Hon'ble Prime Minister, India at Bharat Mandapam in New Delhi on September 14, 2023.
- ◆ Co-organised talk entitled ‘Quality Control of Variant Peptides in Proteogenomics-Catching the (Un)Usual Suspects’ by Dr Debasis Dash at ANDC, University of Delhi on July 04, 2023.

7.3.2 Department of Botany

Teacher-in-Charge: Dr Geetika Kalra

- ◆ Organized a talk on “Climate change and disaster management” by Mr Kunal Satyarthi, Joint-Secretary, National Disaster Management Authority, MHA, Govt. Of India, held on October 13, 2023 at ANDC, under the aegis of IQAC and DBT Star College.
- ◆ Organised one day Workshop on Ayurveda and Nutrition for Value Added Course on November 30, 2023.
- ◆ Organised two-day Workshop on Ecosystem restoration and Sustainability’ on February 22-23, 2024.
- ◆ Organised Saumya Saxena Memorial Lecture on Environment, Development and Happiness on April 30, 2024. Guest Speaker was Prof Dinabandhu Sahoo, Head Department of Botany; University of Delhi.

7.3.3 Department of Chemistry

Teacher-in-Charge: Dr Vikrant Kumar Attri

“Synergia”, an annual fest was successfully organized by Abhikriya, (The Chemical Society) Department of Chemistry, Acharya Narendra

Dev College on 19 March, 2024 in the seminar hall of the college. Event started off by paying respect to the statue of Acharya Narendra Dev Ji. It was done by adorning the statue of Acharya Narendra Dev Ji with a garland by Principal of the college, Prof. Ravi Toteja and faculty of chemistry department followed by lamp lighting ceremony. Prof. Seema Gupta then welcomed the distinguished guests of the event and the students. The guest of the event was Mr DaveshVashistha, founder of D.Vashishtha& Partners, Intellectual Property Law Firm and alumnus of ANDC, B.Sc. Chemistry Hons, 2007.

Mr Davesh delivered an inspiring talk entitled “Patents and IPR” and enlightened the students by introducing them to the importance of patents. He also educated the students on an interesting topic of plagiarism.

Additionally, various fun events such as “ChemChronicle: The Debating Science” (The Debate Competition) on the topic of “Preference for Natural Substitutes in Consumer Products Increase Chemophobia”, “Tug of War”, “Chemquest” and “Chemspiracy” (The Treasure Hunt) were organized wherein students from other colleges also participated with great enthusiasm. Event was concluded by announcing the winners of the aforementioned competitions and felicitating them with cash prizes and certificates.

7.3.4 Department of Commerce

Teacher-in-Charge: Prof. Surinder Kaur

The department successfully organized a series of events aimed at enhancing student engagement and development.

The key events included:

- ◆ Farewell on May 1, 2024 was successfully hosted by 1st and 2nd year students to bid farewell to the final-year students of B.com (Hons).
- ◆ Freshers on March 06, 2024 was meticulously organized and hosted by the 2nd and 3rd-year students of the Department of Commerce, to welcome new students and foster a sense of community among them.
- ◆ A seminar on Aptitude Building for CAT and Other Management Entrances was organised on October 05, 2023. It emphasised on developing interpersonal skills, communication skills, and quantitative aptitude to excel in entrances like CAT, GMAT, XAT, and more.

- ◆ Orientation Programme was organised on August 17, 2023. It aimed to familiarise the incoming freshers with the department's offerings, faculty, and academic atmosphere.

7.3.5 Department of Computer Science

Teacher-in-Charge: Dr Preeti Marwaha

- ◆ Turing society of Department of Computer Science in collaboration with Internal Quality Assurance cell under the aegis of DBT Star College Scheme 2023-24 of the Acharya Narendra Dev College organized a technical online talk on the topic of "Developing an Excellent Research Paper while adhering to Original Research and Publication Ethics" on March 22, 2024. The webinar aimed to provide attendees with comprehensive insights into the process of conducting research, writing research papers effectively, and adhering to publication ethics.
- ◆ Hands on workshop was organised on Arduino Microcontrollers and PCB designing, Department of Physics, Department of Computer Science and Internal Quality Assurance Cell (IQAC), Acharya Narendra Dev College, University of Delhi from March 18-22, 2024 under the aegis DBT STAR College scheme.
- ◆ Turing society of Department of Computer Science in collaboration with Internal Quality Assurance cell under the aegis of DBT Star College Scheme 2023-24 of the Acharya Narendra Dev College organized a technical online talk on the topic of "Quantum Computing & Cyber Security: A New Era of Challenges" on March 16, 2024. The session was on quantum computing, shedding light on its profound impact on cyber security and career pathways.
- ◆ Turing society of Department of Computer Science in collaboration with Internal Quality Assurance cell under the aegis of DBT Star College Scheme 2023-24 of the Acharya Narendra Dev College organized a technical online talk on the topic of "Use of Machine Learning In Video Streaming" on March 17, 2024. The session was aimed to elucidating the disparity between live streaming and video-on-demand (VOD) services.
- ◆ Workshop on One-week Bootcamp 2.1 for V-lab Development, Under the aegis of IQAC and DBT Star College Scheme, Computer Science Department in collaboration with V-Lab@ANDC under Viksit Bharat Abhiyaan, March 11-15, 2024.

- ◆ The Department in collaboration with Internal Quality Assurance Cell, Acharya Narendra Dev College under the aegis of DBT Star College Scheme 2023-24 organised One Day Workshop Hands on Experience in Blockchain on March 05, 2024 in two sessions.
- ◆ The Department in collaboration with Internal Quality Assurance cell under the aegis of DBT Star College Scheme 2023-24 of the Acharya Narendra Dev College organized a Data Science Project Exhibition, Convenor Prof Sharanjit Kaur, February 29, 2024.
- ◆ Turing Society, Under the IQAC and the aegis of DBT Star College Scheme of Computer Science Department, organized a One Day workshop on IOT and Cloud Computing on February 29, 2024 in two sessions by Dr Nikhil Rajput, Assistant Professor, Ramanujan College, University of Delhi.
- ◆ Turing society of Department of Computer Science in collaboration with Internal Quality Assurance cell under the aegis of DBT Star College Scheme 2023-24 of the Acharya Narendra Dev College organized a technical online talk on the topic of “Data Drive: Surfing the waves of AI Innovation” on February 25. 2024.
- ◆ Navigating the cyber security digital frontier awareness on October 30, 2023.

7.3.6 Department of Electronics

Teacher-in-Charge: Dr Vishal Dhingra

- ◆ Five days workshop on Internet of Things, February 26 to March 1, 2024.
- ◆ Five days workshop on Machine Learning with Python Interfacing in technical collaboration with industry partner Brain Mentors Pvt. Ltd., September 25-29, 2023.
- ◆ One-day workshop on 3D Printing Technology, September 23, 2023.

7.3.7 Department of Mathematics

Teacher-in-Charge: Ms Anupama Rastogi

- ◆ The Department of Mathematics has been selected for strengthening components in the month of December 2023 under DBT Star College Scheme.
- ◆ The Department of Mathematics comprises eleven regular and five visiting faculty members. At present Dr Gaurav Sharma is Teacher

in Charge of the department and Dr Chaman Singh is Program Coordinator of B.Sc. Physical Sciences PMC.

- ◆ The Department has a highly qualified bunch of experienced young and dynamic faculty members, most of them being Ph.D. holders with specialization in recent and advanced fields of Algebra, Differential Equations, Space Dynamics and Operation Research.

7.3.8 Department of Physics

Teacher-in-Charge: Mr Pawan Kumar

The department organized the following events:

- ◆ Two hours talk on Tinkering for Physics by Prof. Dhananjay V. Gadre on March 21, 2024.
- ◆ Workshop on Arduino Microcontrollers and PCB designing, March 18-22, 2024.

7.3.9 Department of Zoology

Teacher-in-Charge: Prof. Seema Makhija

International Conferences:

- ◆ Organized 8th International Conference of Indian Network for Soil Contamination Research (INSCR) along with 4th International Symposium for Ciliate Biology (ISCB) on Exploring the Microbial World: From Human Health to Environmental Sustainability jointly with Indian Network for Soil Contamination Research (INSCR).
- ◆ Two Pre-Conference Workshops were also organized during the Conference:
 - ❖ Pre-Conference Workshop on Art of Scientific Writing and Communication on April 02, 2024.
 - ❖ Pre-Conference Workshop on Genomics, Metagenomics & Bioinformatics in Microbial Ecology on April 02, 2024.
- ◆ Co-organized three days International Conference on Chemical and Biological Sciences (ICCBS-2024) being organized by the Department of Chemistry under the aegis of Internal Quality Assurance Cell (IQAC), Atma Ram Sanatan Dharma College (University of Delhi) in association with Kwangwoon University (South Korea), North-West University (South Africa), and SRM Institute of Science & Technology (Ghaziabad) from January 27- 29, 2024.

Faculty Development Programs:

- ◆ Organized Seven Day Faculty Development Program on Sericulture: Rearing and its Applications for the faculty of University of Delhi in which hands-on experience was given on rearing methods for mulberry silkworm.
- ◆ Co-Organized online FDP on “NEP Orientation and Sensitization” from June 04-14, 2024 in association with UGC-Malaviya Mission Teacher Training Centre (MMTTC) under the aegis of UGC and the Ministry of Education.

Interdisciplinary Workshops

- ◆ Organized National Workshop in collaboration with Environmental Pollution Laboratory (EPL), Department of Environmental Studies, University of Delhi, sponsored by Department of Science and Technology (DST), Government of India. The workshop titled ‘Raising Awareness on Urban Air Quality, Climate Change, Health and e-Resilience’ was held on November 28, 2023.
- ◆ Organized One-week Bootcamp 2.1 for V-lab Development in collaboration with Department of Computer Science under the aegis of IQAC and DBT Star College Scheme from January 11-15, 2024 for the first year and second year students of all streams of the college.
- ◆ Organized one-day ISME sponsored Hands on Workshop on “Scientific Writing and Communication” under the aegis of IQAC and DBT Star College Scheme on February 13, 2024.
- ◆ Co-Organized National Workshop on Biological Data Analysis with Department of Botany under the aegis of IQAC and DBT Star College Scheme from January 27-31, 2024.

Visits

- ❖ Organized one-day educational trip under the aegis of DBT-STAR college scheme to National Zoological Park, New Delhi on March 7, 2024. Total of 40 students of B.Sc. (H) Zoology 4th semester along with 3 staff members visited the park to observe behaviour of various animals for their Animal Behaviour paper. Delhi Zoological Park is home to large species of birds and multiple exceptional animals such as White Tiger, Royal Bengal Tiger, Gaur, Jaguar, Rhinoceros, Elephants, Asiatic Lion and lion-trailed monkey. This trip had been an incredible

learning experience for the students to understand wildlife and conservation efforts.

- ❖ Organized Students educational trip to the National Centre for Disease Control, New Delhi on April 19, 2024.
- ❖ Organized a visit to IGIB, South Campus, Mathura Road for the undergraduate students of B.Sc. (H) Zoology III Year on April 12, 2024. They demonstrated Zebrafish culturing and introduced the students to Next Generation Sequencing.
- ❖ Organized Students educational trip to the Entomological Department, ICAR, PUSA, New Delhi on February 08, 2024.

Invited Talks:

The Department of Zoology at Acharya Narendra Dev College, University of Delhi, organized its annual fest, Symbiox 2024, on Tuesday, March 05, 2024. The event was a vibrant blend of academic enlightenment and engaging activities, drawing participation from both students and faculty. The highlight of the fest was an insightful talk titled “What Have Ciliates Ever Done to Us” by Dr Alan Warren, a distinguished researcher from the Natural History Museum, London. The talk, which explored the ecological and biological significance of ciliates, was attended by an enthusiastic audience of students, faculty, and researchers.

Society Function:

On March 05, 2024, Department also organized its Annual Fest Symbiox 2024 with a variety of fun and competitive events designed to test the knowledge, creativity, and skills of the participants. Some of the key events included Quizzard/ Wiz escape, Compulsive Lyres, Brain binder, Lens the Biota to name a few. An award ceremony was held to honor the winners of the various competitions. The combination of academic talks and engaging events fostered a sense of community and collaboration, making it a memorable day for all participants.

Release of Departmental Magazine Camouflage 2023:

Following the talk, the Departmental Magazine, Camouflage was officially released by the department heads and dignitaries present. The magazine, a collaborative effort by students and faculty, showcased

recent developments in zoology, along with articles, research findings, and creative pieces contributed by students.

Link to the Camouflage 2023: [https://www.andcollege.du.ac.in/uploads/voiceofandc/Camouflage%2023%20\(1\).pdf](https://www.andcollege.du.ac.in/uploads/voiceofandc/Camouflage%2023%20(1).pdf)

7.4 हिंदी परिषद @ आचार्य नरेंद्र देव महाविद्यालय

7.4.1 हिंदी परिषद का गठन:

आचार्य नरेंद्र देव महाविद्यालय में हिन्दी भाषा और साहित्य के प्रचार-प्रसार को बढ़ावा देने के लिए हिन्दी परिषद् की स्थापना का प्रस्ताव लागू किया गया है। प्राचार्य के मार्गदर्शन में, डॉ. सुनीता जटेली को संयोजक बनाया गया, और डॉ. रश्मि शर्मा एवं डॉ. सत्य प्रकाश यादव को सह-संयोजक का कार्यभार सौंपा गया। वर्तमान में, 25 छात्र/छात्राएं इस परिषद में सक्रिय भूमिका निभा रहे हैं।

हिन्दी परिषद् का गठन हमारे महाविद्यालय में हिन्दी भाषा और साहित्य को प्रोत्साहित करने और बढ़ावा देने का एक कदम है। परिषद का उद्देश्य छात्र/छात्राओं में हिंदी शब्दावली के प्रति जागरूकता उत्पन्न करना तथा साथ ही साथ हिंदी की समझ को भी विकसित करना है।

7.4.2 संभावित कार्यक्षेत्र:

हिन्दी परिषद् विभिन्न कार्यक्षेत्रों में गतिविधियों का आयोजन करेगी जैसे कि कविता पाठ, नाटक, भाषण प्रतियोगिता, लेख-लेखन प्रतियोगिता, और साहित्यिक सम्मेलन। इन गतिविधियों के माध्यम से हम छात्र-छात्राओं को हिन्दी साहित्य के साथ जुड़ने का मौका प्रदान करेंगे और उन्हें इसे समझने के लिए प्रेरित करेंगे। हिन्दी परिषद् कविता पाठ और प्रतियोगिता आयोजित करेगी जिससे छात्र-छात्राएं अपनी रचनात्मकता को प्रदर्शित कर सकें। साहित्यिक सम्मेलन का आयोजन करके हम विद्यार्थियों को विभिन्न विषयों पर विचार-विमर्श के लिए एक साथ आने का अवसर देंगे। समय-समय पर समसामयिक विषयों पर वाद-विवाद प्रतियोगिता का आयोजन भी किया जाएगा।

7.4.3 प्रतीक चिन्ह:



7.4.4 सारिणी:

क्रम संख्या	गतिविधियाँ	कार्यक्रम	दिनांक	विवरण
1	हिंदी पखवाड़ा (14-29 सितम्बर 2023)	हिंदी परिषद् आचार्य नरेंद्र देव महाविद्यालय का औपचारिक उदघोष, प्रतीक चिन्ह अनावरण एवं हिंदी पखवाड़ा का शुभारंभ।	14/09/2023	मुख्य वक्ता — प्रो बिर्जेन्द्र कुमार, संकाय सदस्य हिंदी विभाग, भीमराव अंबेडकर महाविद्यालय, दिल्ली विश्वविद्यालय
		रचनात्मक लेखन प्रतियोगिता	18/09/2023	सहयोग: राष्ट्रीय सेवा योजना समिति
		मंचीय नाटक की प्रस्तुति : मेरा पैसा मुझी को बाँटे	19/09/2023	सहयोग:- ध्वनि: रंगमंच समिति
		वाद विवाद प्रतियोगिता: विषय: हिंदी माध्यम में शिक्षा को राष्ट्रहित में उपयोगी मानना चाहिए	20/09/2023	सहयोग:- तर्क वाद विवाद समिति
		प्रश्नोत्तरी प्रतियोगिता (हिंदी शब्दावली)	21/09/2023	सहयोग:-उन्नत भारत अभियान:
		सामूहिक परिचर्चा: विषय: जैव चिकित्सा विज्ञान का महत्व	23/09/2023	सहयोग:-जैव चिकित्सा विभाग
		साहित्यिक परिचर्चा	25/09/2023	सहयोग:-तर्क वाद विवाद समिति
		कार्यशाला (केंद्र सरकार की राजभाषा नीति एवं मानक शब्दावली) एवं हिंदी पखवाड़ा का समापन।	29/09/2023	मुख्य वक्ता — विनीता तिवारी, सहायक निदेशक हिंशियो (म.), राजभाषा विभाग गृह मंत्रालय
2	सामूहिक परिचर्चा	विषय : युवा नीति	12/10/2023	
3	एक दिवसीय कार्यशाला	विषय : हिंदी इ टूल्स का अनुप्रयोग	01/12/2023	मुख्य वक्ता : डॉ. ओम प्रकाश, सहायक आचार्य, हिंदी विभाग, दिल्ली विश्वविद्यालय
4	विचार संगोष्ठी एवं प्रश्नोत्तरी प्रतियोगिता	विषय: विश्व हिंदी दिवस	10/01/2024	प्रश्नोत्तरी प्रतियोगिता के विजेता: प्रथम : अफशार अजमेरी द्वितीय : अनिकेत राज तृतीय :उज्जवल कुमार

क्रम संख्या	गतिविधियाँ	कार्यक्रम	दिनांक	विवरण
5	नारा लेखन प्रतियोगिता	विषय : मातृभाषा दिवस	22/02/2024	स्थान- ऑनलाइन पद्धति
6	एक दिवसीय कार्यशाला	विषय : हिन्दी ई-टूल्स के अनुप्रयोग	28/05/24	मुख्य वक्ता : डॉ. ओम प्रकाश, सहायक आचार्य, हिंदी विभाग, दिल्ली विश्वविद्यालय

INTERNAL COMPLAINTS COMMITTEE



8. Internal Complaints Committee

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

1. Dr Anita Narang, Associate Professor (Botany) - Presiding Officer
2. Dr Ranjeet Singh, Associate Professor (Physics)
- Teacher Member
3. Dr Geetika Kalra, Associate Professor (Botany) - Teacher Member
4. Ms Sangeeta Goswami, Laboratory Assistant (Botany) - Non-teaching Staff Member
5. Mr Vikram Kumar (Office Attendant) – Non -teaching Staff Member
6. Mr Saarthak Kumar (B.Sc. (H) Biomedical Science, II Year) – Student Member
7. Ms Anushka (B.Sc. (H) Biomedical Science, II Year) - Student Member
8. Ms Swati Maurya - Research Scholar
9. Ms Leena Zaveri - External Member

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

STATUS REPORT OF ICC AS ON JUNE 2024

No. of complaints of sexual harassment received in the year	00
Number of complaints disposed of during the year	00
Number of cases pending for more than 90 days	NA

INSTITUTIONAL BIOSAFETY COMMITTEE (IBSC)



9. Institutional Biosafety Committee (IBSC)

In accordance with the Notification of the Ministry Environment and Forests vide Gazette Notification no. GSR 1037(E) dated December 12, 1989 notified under the E.P. act 1986, the Department of Biotechnology (DBT) has evolved the “Regulations and Guidelines on Biosafety of Recombinant DNA Research and Bio containment, 2017” for achieving personal and environmental safety in the use of genetically manipulated organisms in research, manufacture and applications. The constitution of the Institutional Biosafety Committee (IBSC) is mandatory in R&D Centers at Institutions/ Universities/Industries/any other organization which intends to carry out or are engaged in research activities involving genetic manipulation of genetic materials, microorganisms, plants and materials.

All the ongoing projects (extramural and intramural) in the college are assessed, reviewed and cleared by this committee. The project is presented in the prescribed format to the committee for its review. Project investigator apprises the committee on the nature of the experiments and the available lab facilities and safety measures. The IBSC of ANDC is constituted as per DBT, Government of India guidelines and its composition is as follows:

ACKNOWLEDGEMENT
1. We thank the college (VIT) for providing us the opportunity to gain hands on experience and learning skills.
2. The principal Prof. Dr. T. S. for his encouragement and support.
3. The Science Officer and the Head of the Department of Zoology for continuous monitoring.
4. Prof. Dr. S. S. (VIT), Department of Zoology.
5. Prof. Dr. S. S. (VIT), Department of Zoology.
6. Prof. Dr. S. S. (VIT), Department of Zoology.
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73. Prof. Dr. S. S. (VIT), Department of Zoology.
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75. Prof. Dr. S. S. (VIT), Department of Zoology.
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98. Prof. Dr. S. S. (VIT), Department of Zoology.
99. Prof. Dr. S. S. (VIT), Department of Zoology.
100. Prof. Dr. S. S. (VIT), Department of Zoology.



LIST OF IBSC MEMBERS:

S.No.	Committee Composition	Name and Affiliation
1	Chairman	Prof. Ravi Toteja, Officiating Principal, Acharya Narendra Dev College
2	DBT Nominee	Dr Asif Mohammad, Group leader and Scientist, Parasite Cell Biology Group, ICGEB, New Delhi
3	Member Secretary	Prof. Urmi Bajpai, Department of Biomedical Science, Acharya Narendra Dev College
4	Outside Experts	Dr Geetha Vani Rayasam, Scientist H, Council of Scientific and Industrial Research (CSIR)
		Prof. Rama Chaudhry, Dean (Research), Head, Department of Microbiology, All India Institute of Medical Sciences, New Delhi
5	Biosafety Officer	Dr Mohammad Faruq, Principal Scientist, CSIR-Institute of Genomics and Integrative Biology (IGIB)
6	Internal Experts	Prof. Monisha Khanna Kapur, Department of Zoology, Acharya Narendra Dev College
		Prof. Seema Makhija Department of Zoology, Acharya Narendra Dev College
		Dr Sunita Jetly, Department of Biomedical Science, Acharya Narendra Dev College

FOREIGN LANGUAGE COURSES



10. Foreign Language Courses

Convenor: Dr Geetika Kalra

The foreign language center of the college offers one-year part time certificate, diploma and advanced diploma courses in French, German, Spanish and Russian. The following courses are running in the current academic session.

S.No.	Course	Number of students admitted
1	Certificate in German	14
2	Certificate in Spanish	21
3	Certificate in French	21
5	Advance Diploma in Spanish	22

COLLEGE DEVELOPMENT



ANDC Kaushal Kendra

**SERICULTURE
SKILL CENTRE**



**IT TOOLS &
INNOVATIONS
SKILL CENTRE**



**FORENSICS
SKILL CENTRE**



**AGRI-BASED
SKILL CENTRE**



**MUSHROOM
RESEARCH
SKILL CENTRE**

**ZEBRAFISH
BREEDING AND
RESEARCH
SKILL CENTRE**



**LANGUAGE
EMPOWERMENT
SKILL CENTRE**



**MOLECULAR
AND
BIOTECHNOLOGY
SKILL CENTRE**

**BIOLOGY
AND
BIOTECHNOLOGY
SKILL CENTRE**

11. College Development

The Financial Grants received by the Institution in 2023 – 2024 from various agencies are as follows

- ◆ Grants from Directorate of Higher Education, GNCTD in 2023- 2024

1	GIA Salary INR	45,99,23,000
2	GIA other than salary INR	1,69,47,000

- ◆ Infrastructure Grants to PWD from Directorate of Higher Education, GNCTD in 2023- 2024

1.	Structural Safety Audit of old building of the college: INR	13,62,900
2.	Construction of Temporary shed classroom, toilet block & repair and renovation. INR	74,91,200

- ◆ Grants Received from University of Delhi

Skill Development	INR	15,00,000
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- ◆ Grant From DBT

DBT Star College Scheme	INR	37,40,357
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- ◆ Extra Mural Grants From Various Agencies Conferences and Projects INR 21,09,116

CAREER COUNSELLING AND PLACEMENT CELL



12. Career Counselling and Placement Cell

Convenor: Dr Kavita Mittal

Placement Officer: Mr Sanjay Vohra

The College has an active Career Counselling 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 counselling seminars.

Although our students are opting to higher studies more than the jobs, but on the brighter side, large number of students attended recruitment and preplacement drives. Placement cell has organised career counselling talks and sessions like Career In Civil Services' for their future preparation in various fields. Webinars have been conducted often to enlighten and familiarize students with the corporate society. Placement cell also provide a platform for some add-on courses which are free of cost to the students such as "Google Career Certificate Courses" in collaboration with TATA Strive and with Learning Links Foundation.

Some of the companies that visited ANDC campus were Schneider Electric, Accenture, Radiant Tech Solutions, Wipro Limited, Dell Technologies, Unacademy, Byju's, Bajaj Capital Ltd., QX Global Group, Monster.com, Swiggy, Infosys, Banks, ICICI Lombard General Insurance Company Limited, NatWest (RBS), The Leading Solutions Pvt. Ltd., Concentrix, Winspark Innovations Learning Pvt Ltd, Delta X, WNS Global Services (P) Ltd, Rising Ed. Tech Company, The Vedica Scholars Programme for Women, GlobalFoundries Inc., Apna Campus, Ruhvenile, Skillenza, EDU-Station, Ensvee, School 2 Campus, Tata Consultancy Services, Learning Link Foundation, Zuno corporations, Tata Strive, Connection Media, Team Lease Digital, Intellipaat, Instaveritas.

This year 31 students were selected and placed via online/ offline/ campus interviews. Various opportunities have been given for online/ offline internships as well. A total of 92 students were selected for interning with various companies. Students get registered with Internshala, University of Delhi and have completed internships with different reputed companies throughout the year to boost up their career. The placement cell is in process of signing MoUs with companies like Monster.com and IMS Proschool as this will ensure to conduct various events for a year and providing more opportunities to the students.

12.1 PLACEMENT OFFERS/ PRE-PLACEMENT OFFERS/ INTERNSHIPS RECEIVED (JULY 2023-JUNE 2024)

Date	Company Name	Number of Offers
July, 2023	Sarathi Softech Pvt. Ltd.	01
July, 2023	WNS Global Services Pvt. Ltd.	01
July, 2023	NTPC Vidyut Vyapar Ltd.	01
July, 2023	Inovatiq Technologies OPC Private Limited	01
July, 2023	Rising Advisory Services Pvt Ltd.	01
August, 2023	CPM India Sales & Marketing Pvt Ltd.	01
August, 2023	Global Foundries Engineering Private Limited	02
August, 2023	Encardio Rite Electronics Pvt. Ltd.	01
August, 2023	B.S. R. Co. & LLP	01
August, 2023	Morgan Stanley	01
August, 2023	Shiksha Udaan capital	01
August, 2023	iENERGIZER IT SERVICES PRIVATE LIMITED	01
August, 2023	Win Sparks Innovations Learning Pvt Ltd	01
September, 2023	TransCurators	01
February, 2024	IndiaFirstLife Ltd.	03
December, 2023	F 13 Enhance Pvt. Ltd.	01
December, 2023	Cars24 Services Pvt. Ltd	01
April, 2024	Bajaj Capitals	11
January, 2024	Ozibook Tech Solutions Private Limited	01

12.2 SEMINARS CONDUCTED

S.No.	Speaker	Details of the Event	Date
1	Mr. Aayush	Preplacement talk (Bajaj Capital Ltd.)	15th March, 2024
2	Ms. Shree	Workshop on "Higher Education in US"	20th February, 2024

12.3 VICE-CHANCELLOR INTERNSHIP SCHEME, UNIVERSITY OF DELHI (2024)

S. No.	Name of the Student	Course	Batch
1	Himanshu Yadav	B. Sc. (H) Computer Science, II Sem	2023-2027
2	Naina Shukla	B. Sc. (P) Physical Sciences, II Sem	2023-2027

12.4 INTERNSHIP OFFERS RECEIVED DURING JULY 2023-JUNE 2024

S. No.	Name of the Company	Number of offers
1	BookWithUVA	23
2	Pfect Outfits	12
3	AM & Associates Chartered Accountants	01
4	Ernst & Young Services Private Limited	01
5	Marck Securities Pvt Ltd.	01
6	BFY-Better fitness for you	01
7	IFFCO-TOKIO General Insurance Co. Ltd.	01
8	Minting Passion	01
9	Conscript HR Advisors Pvt Ltd	01
10	Sort Wind Private Limited	01



S. No.	Name of the Company	Number of offers
11	Jankalyan Multipurpose Education Society	02
12	Green Goods Packaging Pvt Ltd	01
13	ADSMIT MEDIA (Financial Marketing Internship- trainee.)	01
14	InAmigos Foundation	05
15	Infinite Thinking Solutions (ITS)	01
16	Nestle India Ltd.	01
17	Unimax laboratories	01
18	Believer Corporation	01
19	Hamari Pahchan NGO	02
20	Artify	01
21	Crazy for success Foundation	01
22	Dynastymart Retail(OPC) PrivateLimited	01
23	KSHITIKSHA FOUNDATION	01
24	Imperfecto	01
25	Marpu Foundation	07
26	Muskurahat Foundation	06
27	NLTI LAWKIFY PVT LTD	01
28	Tare Zameen Foundation	01
29	Encardio Rite Electronics Private Limited	01
30	Earth 5R	04
31	Youth Empowerment Foundation	01
32	Team Everest	05
33	IIT Delhi- Rendezvous	02
34	AngelOne - Jayesh Bhanushali	01

ANNEXURE I



Annexure I

RESEARCH PUBLICATIONS IN SCOPUS INDEXED JOURNALS

S. No.	Department/Publication Details
Department of Biomedical Science	
1.	Raman, S. K., Reddy, D. S., Jain V, Bajpai U., Misra A. and Singh A. K. (2024). Mycobacteriophages: a therapeutic approach for mycobacterial infections. Drug Discovery Today, 29(7), 104049. DOI:10.1016/j.drudis.2024.104049
2.	Das, R., Arora, R., Nadar, K., Saroj, S., Singh, A. K., Patil, S. K., Raman, Misra, A. and Bajpai U. (2024). Insights into the genomic features and lifestyle of B1 subcluster mycobacteriophages. Journal of Basic Microbiology, 66(6), 2400027. DOI: 10.1002/jobm.202400027
3.	Chaudhary, R. and Madan, S. (2024). Sighting of Large Branded Swift Pelopidas sinensis (Mabille, 1877) (Hesperiidae: Hesperinae) in Delhi, India. Journal of Threatened Taxa, 16(3), 25013–25015. DOI: 10.11609/jott.8715.16.3.25013-25015
4.	Wang, Q., Bian, Y., Dhawan, G., Zhang, W., Sorochinsky, A. E. and Makarem. A. (2024). FDA approved fluorine-containing drugs in 2023. Chinese Chemical Letters, 35(11), 109780. DOI: 10.1016/j.cclet.2024.109780
5.	Shah, S., Das, R., Chavan, B., Bajpai, U., Hanif, S. and Ahmad, S. (2023). Beyond antibiotics: Phage-encoded lysins against Gram-negative pathogens. Frontiers in Microbiology, 14, 1170418. DOI: 10.3389/fmicb.2023.1170418
6.	Singh, I., Dhawan, G., Gautam, H. K. and Kumar, P. (2023). Monosaccharide-mediated nanosilver particles: Synthesis, characterization, biological evaluation and dye degradation potential. Trends in Carbohydrate Research, 15 (3), 1-14. DOI: 10.13140/RG.2.2.10819.58400
7.	Agarwal, N., Khanna, M. and Dhawan, G. (2023). Identification of suitable house-keeping genes during chikungunya virus infection, Indian Journal of Medical Microbiology, 42, 49–52. DOI: 10.1016/j.ijmmb.2023.01.007
8.	Wang, N., Mei, H., Dhawan, G., Zhang, W., Han, J. and Soloshonok, V. A. (2023). New Approved Drugs Appearing in the Pharmaceutical Market in 2022 Featuring Fragments of Tailor-Made Amino Acids and Fluorine, Molecules, 28, 3651. DOI: 10.3390/molecules28093651

S. No.	Department/Publication Details
9.	Chaudhary, R. and Dey, S. (2023). Volkameria inermis, a new larval host plant of Common Shot Silverline Spindasisictis (Lepidoptera: Lycaenidae) in India. Journal of Bombay Natural History society 120(2). DOI: 10.17087/jbnhs/2023/v120/165944
10.	Ranjan, R., Alamanova, A., Sarangova, A. and Kratasyuk, V. A. (2023). Implication of storage conditions on luminescence response from Photobacterium phosphoreum in free and immobilized form. Luminescence: the journal of biological and chemical luminescence, 38(6), 717-721. DOI: 10.1002/bio.4499
Department of Botany	
11.	Sharma, A., Mishra, M., Samal, R. R., Dagar, V. S., Kumar, M., Shukla, A. and Kumar, S. (2024). Influence of Cassia occidentalis leaf and stem extracts on the life parameters of Aedes aegypti (Linnaeus, 1762). Journal of Applied and Natural Science, 16(2), 752-761. DOI: 10.31018/jans.v16i2.5642
12.	Shukla, A. and Narang, A. (2024). Developmental Studies of Indian Laboulbeniomyces II- Peyritschella sp. Kavaka 60(1): 55-63. DOI:10.36460/Kavaka/60/1/2024/55-63
13.	Narang, A., Kaur, S. and Shukla, A. (2024). Seasonal variation in contamination and browning of Acacia-nilotica nodal explants in vitro. Journal of Applied and Natural Science. 16(1): 102-109. DOI: 10.31018/jans.v16i1.5303
14.	Dharmani, A. B., Verma, M., Rani, S., Narang, A., Singh, M. R., Saya, L. and Hooda, S. (2024). Unravelling groundwater contamination and health-related implications in semi-arid and cold regions of India. Journal of Contaminant Hydrology, 261, 104303. DOI: 10.1016/j.jconhyd.2024.104303
15.	Jaiswal, A. K., Yasheshwar, Salar, S., Shamim, Yadav, D. K., Aggarwal, M., Sharma, S., Ekkbal, R. and Gaurav. (2024). Multi-targeted therapeutic exploration of Tamarix gallica flowers for anti-ulcer activity and associated complications. Journal of Ayurveda and Integrative Medicine, 15, 1-9. DOI: 10.1016/j.jaim.2024.100947
16.	Yadav, P., Nehra, A., Kalwan, G., Bhardwaj, D., Yasheshwar, Rani, V., Agarwala, N., Tuteja, N., Gill, R., Ansari, M. W. and Gill, S. S. (2024). Harnessing Jasmonate, Salicylate, and Microbe Synergy for Abiotic Stress Resilience in Crop Plants. Journal of Plant Growth Regulation, 0123456789. DOI: 10.1007/s00344-023-11218-2
17.	Yasheshwar, Gaurav, Ekkbal, R., Gupta, P. and Gyawali, R. (2024). System Pharmacological Approach to Investigate and Validate Multitargeted and Therapeutic Effect of Furocoumarins of Apium graveolens L. for Treatment of Kidney Disease. Advances in Pharmacological and Pharmaceutical Sciences, 1-13. DOI: 10.1155/2024/5543561
18.	Hemlata, Bhatt B.J., Kaur M. and Narwal A. (2024). Synergistic larvicidal efficacy of essential oil of Citrus limon (L.) SS and Euphorbia milii (Des Moul.) against the third instar larvae of dengue vector Aedes aegypti (Linnaeus 1762) (Diptera: Culicidae) International Journal of Mosquito Research 11(4): 16-20. DOI: 10.22271/23487941.2024.v11.i4a.782

S. No.	Department/Publication Details
19.	Gupta, C. K. (2023). Modified Ovule Clearing Technique to Examine Monosporic Apinagia-type Embryo sac Development in <i>Indotristicha ramosissima</i> (Podostemaceae-Tristichioideae). <i>International Journal of Plant and Environment</i> , 9(04), 378-381. DOI: 10.18811/ijpen.v9i04.12
20.	Chowdhuri, A. and Gupta, C. K. (2023). Gauging the Assessment of Some Anthropogenic Factors Driving Climate-Change. <i>Current World Environment</i> , 18(2), 614. DOI: 10.12944/CWE.18.2.16
21.	Joshi, N., Gupta, C. K., Mangla, Y. and Chowdhuri, A. (2023). Green Plants as a Sustainable Solution to Air Pollution. <i>International Journal of Plant and Environment</i> , 9(02), 102-112. DOI: 10.18811/ijpen.v9i02.02
22.	Shukla, A., Narang, A. and Kaur, S. (2023). Effect of Adenine Sulphate on in vitro micropropagation of <i>Acacia holosericea</i> A. Cunn. ex G. Don leaflets and leaf rachis explants. <i>Journal of Tropical Life Science</i> . 13(3): 497-502. DOI: 10.11594/jtls.13.03.08
23.	Narang, A., Shukla, A., Kaur, S. (2023). Developmental Studies of Indian Laboulbeniales - <i>Dimeromyces anisolabis</i> (Ascomycota, Laboulbeniomycetes). <i>Kavaka</i> . 59(2): 85-91. DOI: 10.36460/Kavaka/59/2/2023/85-91
24.	Ali, S., Ekbbal, R., Salar, S., Yasheshwar, N., Ali, S. A., Jaiswal, A. K., Singh, M., Yadav, D. K., Kumar, S. and Gaurav, N. (2023). Quality Standards and Pharmacological Interventions of Natural Oils: Current Scenario and Future Perspectives. <i>ACS Omega</i> , 8(43), 39945–39963. DOI: 10.1021/acsomega.3c05241
25.	Ekbbal, R., Akhtar, M. S., Al-Shaqha, W. M., Yasheshwar, Kumar, S., Jaiswal, A. K., Aggarwal, M., Yadav, D. K., Ul Islam, M. and Gaurav. (2023). Regulation of Interleukin 2, Proto-Oncogene c-Fos and Poly (ADP-Ribose) Glycohydrolase Genomic Expression by Rosmarinic Acid in Attenuation of Diabetes and Associated Complications. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 37(6), 3321–3331. DOI: 10.23812/j.biol.regul.homeost.agents.20233706.329
26.	Misra, M., Chauhan, B., Ekbbal, R., Yadav, S., Gaurav, N. kaur and Yasheshwar, Y. (2023). Exploring antihypertensive effect of rutin through system based computational analysis. <i>Annals of Phytomedicine An International Journal</i> , 12(1), 1–7. DOI: 10.54085/ap.2023.12.1.69
27.	Misra, M., Chauhan, B., Vashishta, N. and Yasheshwar, Y. (2023). Recent advances in therapeutic potential of phytochemicals in cancer research through Zebrafish (<i>Danio rerio</i>) F. Hamilton: A promising experimental model. <i>Annals of Phytomedicine An International Journal</i> , 12(2), 1–23. DOI: 10.54085/ap.2023.12.2.7
28.	Monica, M., Bhumika, C., Ankita, R., Vridhi, S., Hirday, S., Shivam, S and Yasheshwar, Y. (2023). Exploratory Factor Analysis of the Psychological and Health Factors Associated with Online Education During the COVID-19 Pandemic. <i>International Journal of Zoological Investigations</i> , 9(2), 308–316. DOI: 10.33745/ijzi.2023.v09i02.032

S. No.	Department/Publication Details
29.	Yadav, P., Rao, Y. R., Yasheshwar, Kaula, B. C., Siddiqui, Z. H., Messelmani, M. Al, Sahoo, R. K., Ansari, M. W., Pongiya, U. D., Rakwal, R., Tuteja, N. and Gill, S. S. (2023). Ethylene inhibitors improve crop productivity by modulating gene expression, antioxidant defense machinery and photosynthetic efficiency of <i>Solanum lycopersicum</i> L. cv. Pusa Ruby grown in controlled salinity stress conditions. <i>South African Journal of Botany</i> , 161, 66–77. DOI: 10.1016/j.sajb.2023.07.060
Department of Chemistry	
30.	Saya, L., Singh, W. R. and Hooda, S. (2024). Design and performance assessment of novel Fe ₃ O ₄ decorated nanoblend of guar gum/graphene oxide flakes and CuO for mitigation of fluoroquinolones from wastewater. <i>Journal of Water Process Engineering</i> , 57, 104577. DOI: 10.1016/j.jwpe.2023.104577
31.	Dharmani, A. B., Verma, M., Rani, S., Narang, A., Singh, M. R., Saya, L. and Hooda, S. (2024). Unravelling groundwater contamination and health-related implications in semi-arid and cold regions of India. <i>Journal of Contaminant Hydrology</i> , 261, 104303. DOI: 10.1016/j.jconhyd.2024.104303
32.	Saya, L., Arya, B., Rastogi, K., Verma, M., Rani, S., Sahu, P.K., Singh, M.R., Singh, W.R. and Hooda, S., (2024). Recent advances in sensing toxic nerve agents through DMMP model simulant using diverse nanomaterials-based chemical sensors. <i>Talanta</i> , 272, 125785. DOI: 10.1016/j.talanta.2024.125785
33.	Singh M. B., Bhagat P. and Singh P. (2024). A Comparative Study to understand the potential of DES [ChCl-PD] towards HCN binding. <i>Ionics</i> , 30, 3661-3677. DOI: 10.1007/s11581-024-05515-3
34.	Garg, M., Tyagi, P., Sachdeva, S., Mathew, S. R and Agarwal, A. (2024). Quality assessment of value-added Indian recipe papad prepared from dehydrated carrot pomace powder. <i>Journal of Applied and Natural Science</i> , 16(1), 445-456. DOI: 10.31018/jans.v16i1.5401
35.	Yadav, S., Mansi, Misra, N., Khanna, P. and Khanna, L. (2024). Novel 10,11-Dihydro-5H-dibenzo[b,f]azepine Triazoles Hybrids: Synthesis, in vitro Antioxidant activity and Xanthine oxidase inhibition and Computational study. <i>Journal of Molecular Structure</i> , 1312, 138639. DOI: 10.1016/j.molstruc.2024.138639
36.	Mansi, Balyan, U., Bhutani, C., Khanna, L., Rao, S., Singh, R. and Khanna, P. (2024). Ultrasound-Assisted Extraction, Optimization, Phytochemical Screening and Analysis of Phenolics from <i>Cycas zeylanica</i> and Antioxidant Activity Evaluation. <i>Chemistry & Biodiversity</i> , 21(4). DOI: 10.1002/cbdv.202301436
37.	Verma, A., Pathak, G., Kumar, S., Khatrri, V., Chhatwal, R. J. and Arya, D. K. (2024). Multicomponent Synthesis of Structurally Diverse Spiroheterocycles using Bio-organic Catalyst in Aqueous Medium. <i>Current Organocatalysis</i> , 11(4), 321-329. DOI: 10.2174/0122133372287369240124062533

S. No.	Department/Publication Details
38.	Hooda, S., Rani, S., Raj, V. B., Chowdhuri, A., Gautam, D., and Verma, M. (2023). Effect of Ferrite Nanomaterials on the thermal stability of Biopolymer and Graphene oxide Blend. <i>Rasayan Journal of Chemistry</i> , 16(3). DOI: 10.31788/RJC.2023.1638445
39.	Saya, L., Singh, W. R. and Hooda, S. (2023). Adsorptive removal of ciprofloxacin from aqueous medium by magnetic guar gum grafted graphene oxide nano composite. <i>Journal of Environmental Chemical Engineering</i> , 11(5), 110766. DOI: 10.1016/j.jece.2023.110766
40.	Rani, S., Ali, S. K., Kumar, P., Anugrah, K. S., Saya, L., Gambhir, G., Gautam, D., Hooda, S. and Verma, M. (2023). Novel multicomponent functionalized biopolymers with enhanced thermal and dielectric properties. <i>Polimery</i> , 68(7-8), 386-395. DOI: 10.14314/polimery.2023.7.4
41.	Khanna, L., Mansi, Talwar, S., Misra, N., Jain, S. C. and Khanna, P. (2023). The Molecular Docking, MD Simulations and ADME studies of Phytoconstituents of <i>Plumeria alba</i> as potential antidiabetics. <i>Indian Journal of Chemistry</i> , 62(11). DOI: 10.56042/ijc.v62i11.5091
42.	Yadav, S., Misra, N., Mansi, Khanna, P., Jain, M. and Khanna, L. (2023). A DFT study on substituents, solvent, and temperature effect and mechanism of Diels–Alder reaction of hexafluoro-2-butyne with furan. <i>Journal of Molecular Modeling</i> , 29(12). DOI: 10.1007/s00894-023-05754-7
43.	Mansi, Bhutani, C., Khanna, P., Jain, M., Talwar, S., Yadav, S. and Khanna, L. (2023). The Recent Report on Schiff Bases and their Complexes as DNA Binders. <i>Current Organic Chemistry</i> , 27(20), 1799–1813. DOI: 10.2174/0113852728277676231024062455
44.	Dheer, N., Kalra, A.K., Singh, D., Ujjain, S.K., Ahuja, P., Kumar, R., Singh, P., Johar, N.K., Singh, M. R. and Kanojia R. (2023). Mild steel corrosion inhibition by nicotinamide as a green inhibitor: An electrochemical, thermodynamic and theoretical insight. <i>International Journal of Corrosion and Scale Inhibition</i> , 12(4): 1645-1667. DOI: 10.17675/2305-6894-2023-12-4-13
45.	Yadav, S., Kaushik, S., Dheer, N., Kumar, S., Singh, G., Chaudhary, M.Y. and Gupta, M. (2023). Experimental investigation of anti-corrosive behaviour of <i>Beta vulgaris</i> : A green approach. <i>Journal of Applied and Natural Science</i> , 15(3), 1315-1325. DOI: 10.31018/jans.v15i3.4969
46.	Koranne, K., Turakhia, S., Jha, V.K., Gupta, S., Ravi, R., Mishra, A., Aggarwal, A.K., Jha, C.K., Dheer, N. and Jha A.D. (2023). The Mizoroki–Heck reaction between in situ generated alkenes and aryl halides: cross-coupling route to substituted olefins <i>RSC Advances</i> , 13, 22512 DOI: 10.1039/d3ra03533f
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131.	Falswal, J., Dey, D. and Kumar, S. (2023). First record of <i>Lipotriches</i> (<i>Rhopalomelissa</i>) <i>burmica</i> from India along with a checklist of species from India (Hymenoptera: Halictidae: Nomiinae). <i>Fragmenta Entomologica</i> , 55(2): 171-176. ISSN: 2284-4880 (Online); ISSN: 0429-288X (Print). DOI: https://doi.org/10.13133/2284-4880/1447
132.	Yadav, S., Kaushik, S., Dheer, N., Kumar, S., Singh, G., Chaudhary, M. Y. and Gupta, M. (2023). Experimental investigation of anti-corrosive behaviour of <i>Beta vulgaris</i> : A green approach. <i>Journal of Applied and Natural Science</i> , 15(3), 1315-1325. ISSN: 2231-5209 (Online). ISSN: 0974-9411 (Print). DOI: 10.31018/jans.v15i3.4969.

Research Publications in Peer Reviewed Journals

S. No.	Department/Publication Details
1.	Chaudhary, R., Sharma, M., Chhimwal, S. and Kumar, V. (2023). New additions to the checklist of Butterflies of Corbett Tiger Reserve, Uttarakhand, India. Bionotes, Vol 25 (1-2): 69-74. ISSN 0972- 1800
2.	Chaudhary, R, (2023). Confirmation of <i>Dichrostachys cinerea</i> (L.) Wight & Arn. as larval host plant of the African Babul Blue butterfly <i>Azanus jesous</i> (Guérin-méneville, 1849) (Insecta: Lepidoptera: Lycaenidae) in India. Bionotes, 25 (3): 7-9. ISSN 0972- 1800
3.	Chaudhary, R. (2023). Sighting of Common Cerulean <i>Jamides celeno</i> (Cramer, [1775]) (Insecta: Lepidoptera: Lycaenidae) in Aravallis of Haryana bordering Delhi, India. Bionotes, 25 (3): 22-23. ISSN 0972- 1800
4.	Rasaily, Ankita. (2023). A Transcultural Interrogation of Nepali Identity in India: Race, Ethnicity and Contemporary Literature. Anthology The Research, Social Research Foundation, Kanpur. DOI: 10.5281/zenodo.10421447

Book Chapters and Books

S. No	Details
Department of Biomedical Science	
1.	Jetly, S., Singh, S., Khatri, M., Banswal, S. and Pandey, A. (2024) Human Adult T-Cell Leukemia Virus Type 1 (HTLV1). In: Bhukya, P.L., Subbaiyan, A. (eds) Emerging Human Viral Diseases, Volume II. Springer, Singapore. https://doi.org/10.1007/978-981-97-4480-0_27
Department of Botany	
2.	Yasheshwar, Mishra, A. K. and Kumar, M. (2024). Recent Advancements in Sustainable Agricultural Practices Harnessing Technology for Water Resources, Irrigation and Environmental Management", Springer, ISBN 978-981-97-2154-29789819 721542.
3.	Thakur A. (2023) Melatonin: Role in Plant Signaling, Growth and Stress Tolerance Phytomelatonin in normal and challenging environments Chapter 5: Melatonin Metabolism in Seeds: Physiological and Nutritive Aspects. pg. 91-104. DOI: 10.1007/978-3-031-40173-2
Department of Chemistry	
4.	Gulati, S., Himshweta, Rana, M., Ansari, N. and Sachdeva, S. (2023). Application of Nanosponges for Aquifer Bioremediation. In: Gulati, S. (eds) Nanosponges for Environmental Remediation . Springer, Cham. Online ISBN-978-3-031-41077-2. DOI: 10.1007/978-3-031-41077-2_17
5.	Ahuja, P., Ujjain, S.K., Singh, M.R., Dheer, N. and Kanojai, R. (2023). Wearable Supercapacitors. In: Sustainable Materials for Electrochemical Capacitors (Eds., Inamuddin, Tariq Altalhi, Sayed Mohammed Adnan, Scrivener Publishing LLC, USA. Online ISBN: 9781394167104. pp: 339-359. https://doi.org/10.1002/9781394167104.ch14

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6.	Bhawna, Borah, S.J., Kumar, S., Sharma, R., Kumari, J., Dheer, N., Gupta, A., Kumar, V. and Kumar, D. (2023). Organic Small Molecule Materials and Display Technologies for OLDEs. In: Organic Light Emitting Diode (OLED) Toward Smart Lighting and Displays Technologies, (EDs. Singh L., Dubey R and Rai R. N. CRC Press, New Delhi. ISBN: 9781003260417, pp. 26. DOI: 10.1201/9781003260417
Department of Commerce	
7.	Sarin, A. and Relan, S. (2024). Women and STEM: Plugging the gap between education and workforce participation. Gender and Society. ISBN: 978-93-93093-94-2.
8.	Sarin, A. and Relan, S. (2024). "Want a son?" Why? Gender and Culture. ISBN: 978-93-93092-56-4.
Department of Computer Science	
9.	Jain K, Kaur S. and Rani G. (2024). Applications of Multitarget Regression Models in Healthcare. In Machine Learning in Healthcare and Security. pp. 103-118. CRC Press. DOI: 1201/9781003388845
10.	Narang, S., Rani, G. (2024). R Programming for Business Analytics. Authors Press. ISBN: 978-93-6095-582-3 2024
11.	Narang, S., Kumar, M. (2024). Back-End Web-Development. Authors Press. ISBN: 978-93-6095-260-0
Department of Electronics	
12.	Vashista, S., Kumar, D., Kaur, R., Agrawal, A. and Singh, S. K. (2024). IoT-Based Landslide Detection System. In CRC Press eBooks (pp. 491–497). DOI: 10.1201/9781003430469-57
13.	Jha, A., Gaire, P., Kaur, R. and Bhattacharya, M. (2023). IoT-Based smart Drainage System. In Lecture notes in networks and systems (pp. 233–242). DOI: 10.1007/978-981-99-5085-0_23
14.	Gaur, V., Sinha, A. and Kaur, R. (2023). An intelligent COVID management system for pre-schools. In Lecture notes in networks and systems (pp. 255–265). DOI: 10.1007/978-981-99-5085-0_25
15.	Kumar, A., Ashish, Kumar, S., Singh, U. and Singh, N. S. (2024). Crystal Growth Techniques for Perovskite Photovoltaic Applications. Futuristic Trends in Chemical, Material Sciences & Nano Technology, IIP Series, Vol. 3, Book 8, Part 4, Chapter 2. e-ISBN: 978-93-5747-865-6.
Department of Mathematics	
16.	Aarya, D.D., (2023). Probability and Statistics. AG Publishing House. ISBN: 978-81-19338-47-4
17.	Aarya, D.D., (2023). Fundamental of Python Programming. SAN Internationals. ISBN: 978-81-966737-7-2

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Department of Physics	
18.	Joshi, R. (2024). Relativistic energy calculations for Modified Hulthen Potential, In, Futuristic Trends in Physical Sciences, Ed. M. Chattopadhyay, R. Selva Kumar, S. Kaothekar, R. Borah, S. L. Talwar, M. Kaur, H. K. Pandey and S. Singh, IIP Series, Volume 3, Book 2, Part 2, Chapter 3, page 160-172, Iterative International Publishers (IIP), Karnataka, India. e-ISBN: 978-93-5747-478-8. DOI: 10.58532/V3BKPS2P2CH3.
19.	Chowdhuri, A. (2024). Growth of WO ₃ -SnO ₂ Composite Using Chemical Method for NO ₂ Sensing. Recent Advances in Nanomaterials: Springer Proceedings in Materials. Vol. 27, pp 269–273 DOI:10.1007/978-981-99-4878-9
20.	Chowdhuri, A. (2024). A Comparative Study of Antimony Telluride and Bismuth Telluride for Thermoelectric Generation. Recent Advances in Nanomaterials: Springer Proceedings in Materials Vol. 27, pp 275 – 279. DOI:10.1007/978-981-99-4878-9
Department of Zoology	
21.	Kumar, S. (2024). Mosquito-borne diseases: Insight, Implications and Challenges; Dreamtech Press, New Delhi, India, pp: , ISBN: 978-93-91540-76-0
22.	Saya, L., Samal, R.R., Panmei, K., Lanbiliu, P., Divya, Gautam, D., Kumar, S. and Hooda, S. (2024). Gellan gum-based hydrogels as useful biomedical material; In: Application of Gellan Gum as a Biomedical Polymer; Ed(s). Amit Kumar Nayak, Md Saquib Hasnain; Elsevier Science. Chapter 6, pp: 584. ISBN: 978-0-32391-815-2; eBook ISBN: 978-0-32397-243-7
23.	Harsha, Kumar, M., Kumar, P., Solanki, R. and Kapur, M. K. (2024). Bioactive Potential of Streptomyces Spp. Against Diverse Pathogenic Fungi. In Advances in Antifungal Drug Development: Natural Products with Antifungal Potential. pp. 567-589. Singapore: Springer Nature Singapore. DOI: 10.1007/978-981-97-5165-5_21
24.	Yasheshwar et al. (eds) (2024). Recent Advancements in Sustainable Agricultural Practices. Published by Springer Nature. Chapter 8: Nanotechnology-Mediated Agriculture Water Management Bhumika Chauhan, Monica Misra and Samina Mazhar. pg. 151-159. ISBN : 978-981-97-2154-2.
25.	Kumar, S. (2024). Mosquito-borne diseases: Insight, Implications and Challenges Dreamtech Press, New Delhi, India, pp; ISBN: 978-93-91540-76-0
26.	Kumar, S. (2024). eGyanKosh- a National Digital Repository. Indira Gandhi National Open University (IGNOU), New Delhi. Block 2, Master of Science (Zoology), Parasitology (MZOE 001), Unit-4: Plasmodium Species and Unit-5: Leishmania Species. https://egyankosh.ac.in/handle/123456789/102041
27.	Kumar, S. (2024). eGyanKosh- a National Digital Repository. Indira Gandhi National Open University (IGNOU), New Delhi. Block 4, Unit-11: Parasites of Lymphatic System, Master of Science (Zoology), Parasitology (MZOE 001). http://egyankosh.ac.in/handle/123456789/102054

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28.	Kumar, S. (2024). eGyanKosh- a National Digital Repository. Indira Gandhi National Open University (IGNOU), New Delhi. Block 5, Unit 13: Ectoparasites of Animals, Master of Science (Zoology), Parasitology (MZOE 001). http://egyankosh.ac.in/handle/123456789/102060
29.	Sharma, A. (2023). eGyanKosh- a National Digital Repository. Indira Gandhi National Open University (IGNOU), New Delhi. Elective course: Animal Behaviour and Animal Welfare Ethics (MZOE-002) for M.Sc. Zoology, Block 1: Introduction to Animal Behaviour: Concept and Evolution, Unit 3: Complex Behaviour and Patterns and Unit 4: Learning and Cognitive Behaviours. http://egyankosh.ac.in/handle/123456789/104330 http://egyankosh.ac.in/handle/123456789/104332
30.	Sharma, A. (2023). eGyanKosh- a National Digital Repository. Indira Gandhi National Open University (IGNOU), New Delhi. Elective course: Animal Behaviour and Animal Welfare Ethics (MZOE-002) for M.Sc. Zoology, Block 2: Systematic Approach To Understand Important Animal and Human Behaviour, Unit 9: Parental Care. http://egyankosh.ac.in/handle/123456789/104347
31.	Shrimali, S. (2023). eGyanKosh- a National Digital Repository. Indira Gandhi National Open University (IGNOU), New Delhi. Elective course: Animal Behaviour and Animal Welfare Ethics (MZOE-002) for M.Sc. Zoology, Block 1: Introduction to Animal Behaviour: Concept and Evolution. Unit5: Homeostasis and Behaviour. http://egyankosh.ac.in/handle/123456789/104337
32.	Shrimali, S. (2023). eGyanKosh- a National Digital Repository. Indira Gandhi National Open University (IGNOU), New Delhi. Elective course: Animal Behaviour and Animal Welfare Ethics (MZOE-002) for M.Sc. Zoology, Block 2: Systematic Approach To Understand Important Animal And Human Behaviour, Unit 7: Altruism and Unit 10: Human Behaviour and its Regulating Factors. https://egyankosh.gkpad.com/ http://egyankosh.ac.in/handle/123456789/104348

Papers in Conference Proceedings

SNo.	Authors	Title of Paper	Dates of conference and details of paper published in the proceedings
1.	Prof. Urmi Bajpai	Phage-encoded lysins as promising antibacterials against uropathogenic Escherichia coli.	JAC-Antimicrobial Resistance, 5, dlac133-014. Conference proceeding. September 2023.
2.	Dr Anita Thakur	Effect of environmental pollution in modulating levels of reactive oxygen species in some native trees of Delhi	International Conference on Chemical and Biological Sciences, January 27 – 29, 2024, Atma Ram Sanatan Dharma College, University of Delhi.

SNo.	Authors	Title of Paper	Dates of conference and details of paper published in the proceedings
3.	Ms Rupali Pabreja	A Study of The Relationship Between Transformational Leadership and Wellbeing of Employees With Disabilities At Workplace	International Conference held on Recent Global Innovations, Challenges and Trends in Multidisciplinary Research held on December 18-19, 2023 organized by B.B.D. Government College, Chimanpura (Shahpura),Jaipur, Rajasthan, India.
4.	Prof. Sharanjit Kaur	Modeling Behavioral and Epidemic Dynamics in Social Contact Networks.	International Conference on Advances in Social Networks Analysis and Mining (ASONAM'23) . November 6-9, 2023
		Role of Node Centrality for Information Dissemination in Delhi Metro Network.	International Conference on Advances in IoT and Security with AI. March 24-25,2023
		Regression chain model for predicting epidemic variables.	International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction and Behavior Representation in Modeling and Simulation
5.	Prof. Vibha Gaur	Classification of Mobile Price Using Machine Learning	International Conference on Computing & Communication Systems for Industrial Applications (ComSIA-2024), Vol-3682, New Delhi, India, May 10-11, 2024, ISSN: 1613-0073.
6.	Prof. Anju Agrawal Dr Ravneet Kaur Dr Monika Bhattacharya	Automatic License Plate Detection and Recognition using Deep Learning and Image Processing.	Proceedings of the International Symposium on Computing and Intelligent Systems (SCI 2024), Vol. 3682, 1-18. ISSN: 1613-0073.
7.	Prof. Anju Agrawal Dr Ravneet Kaur Dr Monika Bhattacharya	IoT based Smart Traffic Controller System	IoT Based Smart Traffic Controller System," 2023 Second International Conference on Informatics (ICI), Noida, India. (November 23, 2023). pp. 1-5. doi:10.1109/ICI60088.2023.10421439.

SNo.	Authors	Title of Paper	Dates of conference and details of paper published in the proceedings
8.	Prof Sanjeeta Rani Prof Manisha Verma	Enhancement of dielectric energy in Chitosan added Magnetic Graphene Oxide .	International Conference on ICHE-2023 International conference on Integrative Chemical Science for Health and Environment (ICHE-2023), October 6-8, 2023 organized by Deshbandhu College, University of Delhi, New Delhi, INDIA
9.	Prof. Manisha Verma	Nanocomposites of Cobalt Oxide grafted Magnetic Tamarind as a promising Bioadsorbent for Reactive Blue19 Dye.	International Conference on ICHE-2023, International conference on Integrative Chemical Science for Health and Environment (ICHE-2023), October 6-8, 2023 organized by Deshbandhu College, University of Delhi, New Delhi, INDIA
10.	Prof Sanjeeta Rani Prof Manisha Verma	Study of Role of Nyquist Plot and Graphical Analysis of Electrochemical Impedance Spectroscopy Data for biopolymer added magnetite samples.	International Conference on ICHE-2023 International conference on Integrative Chemical Science for Health and Environment (ICHE-2023), October 6-8, 2023 organized by Deshbandhu college, University of Delhi, New Delhi, INDIA
11.	Prof. Amit Garg	A Pedagogical Approach to STEM Education using Mixed Reality	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) April 03-05, 2024, Conference Centre, UoD, Delhi, India

SNo.	Authors	Title of Paper	Dates of conference and details of paper published in the proceedings
12.	Prof. Amit Garg	Intelligent micro-irrigation system	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD), April 03-05, 2024, Conference Centre, UoD, Delhi, India
13.	Prof. Amit Garg	Effect of AlN nucleation layer on the properties of AlGaIn/thin-GaN heterostructure grown by MOVPE	XXII International Workshop on Physics of Semiconductor Devices, Indian Institute of Technology Madras, December, 14-17, 2023.
14.	Prof. Amit Garg	Environment-friendly approach to rGO-TMD composite synthesis for use as a supercapacitor.	34th MRSI CONCLAVE IIT BHU. December 12-16, 2023.
15.	Prof. Amit Garg	Effect of Sonication Time on Synthesis of MoS ₂ Nanosheets	ICC- 2023, October 9-10 ,2023, , Rajasthan Bikaner
16.	Prof. Amit Garg	Reduction of Biocatalyst Cost in Industrial Biotechnology through Enzyme Immobilization over Graphene Oxide	International Conference & Workshop on Addressing Antibiotics Abuse in Community using Biosensing Technologies, August 25-27, 2023.
17.	Prof. Sarita Kumar (Zoology)	Comparative influence of the diflubenzuron on the adult emergence and detoxification enzymes expression in the laboratory-bred and field-collected strains of <i>Aedes aegypti</i> L. (Diptera: Culicidae).	16th International Conference of Medical Arthropodology (ICMA-2023) on "Emerging and Re-emerging Infectious Vector-borne and Zoonotic Diseases: Impact of Climate Change and Global Warming" VBZ-16, pp: 46, University of Calicut, Kerala, December 13-15, 2023.

Presentations in Conference

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
1.	Dr Archna Pandey Dr Ritu Khosla	To study the rise in Shingles cases as an aftermath of COVID-19	Paper Presented	INSCR International Conference on 'Exploring the Microbial World from Human Health to Environmental Sustainability, April 03-05, 2024
2.	Hariom Chaudhary, Dr Archna Pandey Dr Rimpay Kaur Chowhan	Genome and Transcriptome Data Analysis for Novel Target Identification and Characterization	Poster Presented	International conference on Structural Biology and Drug Discovery organized by the University School of Biotechnology, Gautam Buddha University, India, October 11-12, 2023.
3.	Dr Rimpay Kaur Chowha Ajay Kumar Singhmar Dr Archna Pandey	To study interactions of SARS-CoV-2's surface and secretory proteins with amyloidogenic proteins responsible for cardiac amyloidosis	Poster Presented	3rd International Conference on Antimicrobial Resistance, Novel Drug Discovery and Vaccine Development organized by the SRM University, March 18-20, 2024.
4.	Hariom Chaudhary, Dr Archna Pandey Dr Rimpay Kaur Chowhan	MDM2 polymorphism analysis uncovers novel mechanism for cancer resistance	Poster Presented (Won Best Poster Award)	INSCR International Conference on 'Exploring the Microbial World from Human Health to Environmental Sustainability, April 03-05, 2024.
5.	Arijit Chowdhuri, Charu Khosla Gupta Vineet K. Singh	Effect of habitat restoration on reproductive fitness of <i>Cassia fistula</i> L.- an ecologically important native tree in Delhi NCR	Paper presented	International Conference on Chemical and Biological Sciences (ICCBS 2024) organized by Atma Ram Sanatan Dharma College, University of Delhi, India. pp 158, January 27-29 2024.

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
6.	Adiya Vatsa, Roja Sharma, Mitali Saini, Charu Khosla Gupta, Vineet Kumar Singh	Impacts of heavy metals on plants and the efficacy of phytohormones in their mitigation: exploration of sustainability and food security"	Paper presented	International Conference on Chemical and Biological Sciences (ICCBS 2024) organized by Atma Ram Sanatan Dharma College, University of Delhi, India. pp 183, January 27-29 2024.
7.	Pooja Devi, Nitin Joshi, Anita Thakur, Geetika Kalra, Arijit Chowdhuri, Charu Khosla Gupta	Effect of environmental pollution in modulating levels of reactive oxygen species in some native trees of Delhi	Paper presented	International Conference on Chemical and Biological Sciences (ICCBS 2024) organized by Atma Ram Sanatan Dharma College, University of Delhi, India. pp 119, January 27-29 2024.
8.	Dr Anupama Shukla Dr Anita Narang	Study of development in the Laboulbeniales	Poster Presented	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024) organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD), April 03-05, 2024.

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
9.	Dr Satendra Singh Dr Sumit Sahni Dr Anupama Shukla Dr Anita Narang	Enhancing Antibiotic (Kanamycin) efficacy against <i>Micrococcus luteus</i> with <i>Zingiber officinale</i> : A Synergistic Approach	Poster Presented	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024) organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD), April 03-05, 2024.
10.	Dr Anupama Shukla, Dr Anita Narang Dr Sumit Sahni	Indian Laboulbeniomyces	Poster Presented	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024) organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD), April 03-05, 2024.

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
11.	Dr Anita Narang	Unveiling environmental effects on ground water and soil health -An Indian case study	Poster Presented	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024) organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD), April 03-05, 2024.
12.	Dr Anita Narang Prof. Sunita Hooda Prof. Manisha Verma	Enhancement of dielectric energy in Chitosan added magnetic graphene oxide	Poster Presented	Integrative Chemical Science for Health & Environment-2023, organized by Deshbandhu College, University of Delhi, October 6-8, 2023,
13.	Prof. Geeta Gambhir Prof. Anita Narang Prof. Manish Verma Prof. Sunita Hooda	Nanocomposites of Cobalt Oxide grafted Magnetic Tamarind as a promising Bioadsorbent for Reactive Blue19 Dye	Poster Presented	Integrative Chemical Science for Health & Environment-2023, organized by Deshbandhu College, University of Delhi, October 6-8, 2023,
14.	Dr Anupama Shukla	Laboulbeniomyces: The Cryptic Fungi	Paper Presented	International Conference on Chemical and Biological Sciences - 2024 (ICCBS-24), January 28 2024, organized by Atma Ram Sanatana Dharma College, University of Delhi
15.	Dr Anita Narang Dr Anupama Shukla	In vitro regeneration of Acacia holosericea A. Cunn ex G. Don through cotyledonary nodes	Paper Presented	International Turkic World Biology Congress, November 23, 2023, organized by Akhmet Yassawi University

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
16.	Dr Anupama Shukla, Dr Anita Narang	The Laboulmeniales: an enigma	Paper Presented	International Turkic World Biology Congress, November 24, 2023, organized by Akhmet Yassawi University
17.	Dr Anita Narang	Assessment of synergistic effect of Azardiarachta indica extract in limiting the growth of Micrococcus luteus by kanamycin	Paper Presented	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024
18.	Dr Anita Narang	Mass propagation of Acacia nilotica seedling explants through tissue culture	Paper presented (online)	International Conference on Chemical and Biological Sciences - 2024 (ICCBS-24), January 28, 2024, organized by Atma Ram Sanatana Dharma College, University of Delhi
19.	Dr Anita Narang, Dr Anupama Shukla	In vitro regeneration of Acacia holosericea A. Cunn ex G. Don through cotyledonary nodes	Paper presented (online)	International Turkic World Biology Congress, November 23, 2023, organized by Akhmet Yassawi University
20.	Dr Anupama Shukla, Dr Anita Narang	The Laboulmeniales: an enigma	Paper presented (online)	International Turkic World Biology Congress, November 24, 2023, organized by Akhmet Yassawi University

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
21.	Dr Anita Narang	Seasonal variation in browning and contamination of Acacia nilotica nodal explants	Invited speaker	Joint Conference of 5th International Conference on Biosciences and Medical Engineering 2023 (ICBME 2023) & the 2nd International Conference on Innovative Agricultural Technology (ICIAT 2023), Bali, Indonesia, August 30, 2023, organized by Udayana University
22.	Prof. Surinder Kaur, Dr Anita Narang	Sustainable approach to manage agro-waste through cultivation of edible mushrooms	Co-presenter	Joint Conference of 5th International Conference on Biosciences and Medical Engineering 2023 (ICBME 2023) & the 2nd International Conference on Innovative Agricultural Technology (ICIAT 2023), Bali, Indonesia, August 31, 2023, organized by Udayana University
23.	Dr Yasheshwar	Role of Automatic Irrigation System for Efficient Water Management	Paper Presented	6th Jammu and Kashmir Agricultural Science Congress Diversification of Agriculture for Self-Reliant Mountain Agroecology, February 8-10, 2024
24.	Dr Geetika Kalra and Dr Anita Thakur	Exploring the efficacy of exogenous application of antioxidants and antioxidative enzymes in mitigating stress thereby enhancing crop productivity and stress tolerance.	Poster Presented	Advances in Plant Biology(APB-2024) Innovations and strategies for sustainable agricultural productivity for Viksit Bharat @ 2047 Organized by Department of Botany, Hansraj College in collaboration with MH-MMTTC on February 10, 2024

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
25.	Prof. Sunita Hooda, Prof. Manisha Verma, Prof. Geetu Gambhir ,	Nanomaterials-based chemosensors for detecting toxic nerve agents via DMMP simulant	Poster Presented	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organized by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024 at Conference Centre, UoD, Delhi, India.
26.	Prof. Sandeep Kumar Goel	Gender Parity on Corporate Boards - The Road Ahead	Paper Presented	9th Annual International Commerce Conference on 'Viksit Bharat in AmritKal', Department of Commerce, Delhi School of Economics, University of Delhi in collaboration with DeenDayalUpadhyaya, College, University of Delhi, March 14-15, 2024.
27.	Prof. Sandeep Kumar Goel	A Bibliometric Analysis on Smart Mobility in Urban Areas: A Metro Urban Transit	Paper Presented	74th All India Commerce Conference 2023 of the Indian Commerce Association on 'One Earth, One Family, One Future', Department of Commerce, Faculty of Commerce & Business, Delhi School of Economics, University of Delhi in association with O. P. Jindal Global University, Sonapat, December 13-15, 2023.

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
28.	Prof. Sandeep Kumar Goel	Empowering Women Entrepreneurs: The transformative role of mentorship	Paper Presented	Two-day National Seminar on 'Women in Decision Making Roles in Corporates', Non-Collegiate Women's Education Board, University of Delhi, in collaboration with National Commission for Women, Conference Centre, University of Delhi, November 2-3, 2023.
29.	Prof. Sunita Hooda Dr Anita Narang Prof. Geetu Gambhir Prof. Manisha Verma Prof. Sanjeeta Rani	Unveiling environmental effects on groundwater and soil health - An Indian case study	Poster Presented	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organized by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024 at Conference Centre, UoD, Delhi, India.
30.	Ms Sangeeta Relan	Empowering Women Entrepreneurs: The transformative role of mentorship.	Paper Presented	Two-day National Seminar organised by the Non-Collegiate Women's Education Board in collaboration with the National Commission of Women, November 2-3, 2023.
31.	Ms Sangeeta Relan	Women on Corporate Boards: A Study on Non-financial Impact.	Paper Presented	Third International Conference in Humanities and Social Sciences, Management and Educational Technology, ENTENTE, 23, held at NIIT University, Neemrana, Rajasthan (November 30-December 2, 2023)

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
32.	Ms. Sangeeta Relan	Gender Parity on Corporate Boards - The Road Ahead	Paper Presented	9th Annual International Commerce Conference, Viksit Bharat in Amrit Kal, organized by the Department of Commerce, Delhi School of Economics, University of Delhi in collaboration with Teen Dayal Upadhyaya, College, University of Delhi, March 14-15, 2024.
33.	Prof. Surinder Kaur	Digital Marketing- An Analysis of the Perspective of Consumers in India	Paper Presented	74th All India Commerce Conference of the Indian Commerce Association on "One Earth One Family One Future" – An International Seminar hosted by Department of Commerce, Faculty of Commerce & Business, Delhi School of Economics, University of Delhi in association with O. P. Jindal University Sonapat from December 13-15, 2023
34.	Prof. Surinder Kaur	Building an Inclusive and Sustainable Economy: The Pradhan Mantri Mudra Yojana (PMMY)	Paper Presented	6th International Conference of Multinational Enterprise and Sustainable Development (MESD'23) Association organized by the Department of Commerce, Faculty of Commerce and Business, Delhi School of Economics, University of Delhi on November 29-30, 2023.

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
35.	Ms Anuradha Sarin	Empowering Women Entrepreneurs: The transformative role of mentorship.	Paper Presented	Two-day National Seminar organised by the Non-Collegiate Women's Education Board in collaboration with the National Commission of Women, November 2-3, 2023.
36.	Ms Anuradha Sarin	Women on Corporate Boards: A Study on Non-financial Impact.	Paper Presented	Third International Conference in Humanities and Social Sciences, Management and Educational Technology, ENTENTE, 23, held at NIIT University, Neemrana, Rajasthan (November 30-December 2, 2023)
37.	Ms Anuradha Sarin	Gender Parity on Corporate Boards - The Road Ahead	Paper Presented	9th Annual International Commerce Conference, Viksit Bharat in Amrit Kal, organised by the Department of Commerce, Delhi School of Economics, University of Delhi in collaboration with Teen Dayal Upadhyaya, College, University of Delhi on March 14-15, 2024.
38.	Dr Shalu Mahajan	Impact of environment, social, and governance factors on Sustainable business growth: an insightful review	Poster Presented	9th INDAM Conference, 2024 on Creating Impact through Responsible Leadership & Sustainable Business Practices organised by INDAM & Goa Institute of Management during January 11-13, 2024 at Goa Institute of Management, Goa.

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
39.	Dr Joita Dhar Rakshit	Decolonizing the Colonial Gaze: Representation of India in the Travel Narratives of British Women Travellers	Paper Presented	Indian Council of Social Science Research (ICSSR) Delhi sponsored International Conference on 'Modernism, India and the Colonial Gaze' organized by the Department of English, Daulat Ram College, University of Delhi on February 1-2, 2024
40.	Prof. Geetu Gambhir Dr Anita Narang Prof. Manisha Verma Prof. Sunita Hooda	Nanocomposites of Cobalt Oxide grafted Magnetic Tamarind as a promising Bioadsorbent for Reactive Blue19 Dye	Poster Presented	International conference on Integrative Chemical Science for Health & Environment, ICHE-2023, organized by Deshbandu College in Association With Indian Association of Solid State Chemist and Allied Scientist, Augusta University, USA, Indian Society of Chemist & Biologist, October 6-8, 2023.
41.	Prof. Sunita Hooda Prof. Manisha Verma Prof. Sanjeeta Rani	Study of Role of Nyquist Plot and Graphical Analysis of Electrochemical Impedance Spectroscopy Data for biopolymer added magnetite samples	Poster Presented	International conference on Integrative Chemical Science for Health & Environment, ICHE-2023, organized by Deshbandu College in Association With Indian Association of Solid State Chemist and Allied Scientist, Augusta University, USA, Indian Society of Chemist & Biologist, October 6-8, 2023.

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
42.	Dr Satendra Singh Prof. Pradeep Kumar Prof. Ranjana Ray Chaudhuri Dr Indu Tucker Sidhwani Prof. Seema Gupta	Green Synthesis of Copper Nanocomposites from Lab Waste: A Sustainable Approach for Environmental and Antibacterial Applications	Paper presented	International Conference on Chemical and Biological Sciences (ICCBS-24), online, January 27- 29, 2024
43.	Prof. Seema Gupta Prof. Pooja Bhagat	Synthesis of Magnetic Nanoparticles and their Role in Enzyme Catalysis	Poster Presented	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024 at Conference Centre, UoD, Delhi, India

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
44.	Prof. Pooja Bhagat Prof. Seema Gupta	Integrated Deep Eutectic Solvents and Nanoparticles: A Pathway Towards Green Chemistry Principles and Sustainability Goals	Poster Presented	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organised by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024 at Conference Centre, UoD, Delhi, India
45.	Dr Satendra Singh Prof. Pradeep Kumar Prof. Ranjana Ray Chaudhuri, Dr Indu Tucker Sidhwani Prof. Seema Gupta	Utilization of Green Chemistry Principles to Derive Synthesis of Copper Nanocomposite (Cu ₂ O-Cu(OH) ₂) From Lab Waste For Environmental And Antibacterial Applications	Poster Presented	International Conference and Workshop on "Twelve Principles of Green Chemistry and UN-SDGs, being organized by Green Chemistry Network Centre, Hindu College, University of Delhi at the Research Centre, Hindu College, University of Delhi on November 9-10, 2023

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
46.	Prof. Shallu Sachdeva	Computational Chemistry	Paper presented	International Conference on Advances in Pharmaceutical Sciences: Bridging Academia and Industry organized by Department of Chemistry, St. Stephens College in March 2024
		Schiff bases as anti-inflammatory agents and antioxidants		The Second Online International Conference on Research Methodology (ICRM 2023) organized by Dr Shakuntala Misra National Rehabilitation University, Lucknow, UP and Science Tech Institute by Manraj Kuwar Singh Educational Society, Lucknow, UP on October 28, 2023
47.	Prof. Rashmi Thukral	Botanical Extracts as Sustainable Catalysts for Organic Transformations	Poster Presented	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), organized by INSCR and Acharya Narendra Dev College, University of Delhi (UoD) from April 03-05, 2024 at Conference Centre, UoD, Delhi, India
		Plant Extracts As Biocatalyst for Organic Synthesis		International Conference and workshop on twelve principles of Green Chemistry organized by Green Chemistry Network Centre Hindu College D.U on November 9-10, 2023.

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
	Prof. Rashmi Thukral	Green Catalysts :Unveiling the potential of plant extracts in Organic Synthesis	Poster Presented	Science Fair organized by Department of Chemistry Dyal Singh College, D.U on February 28-29, 2024.
		Organocatalyst for Organic Transformation:A Sustainable Approach	Paper presented	International Conference on Chemical and Biological Sciences (ICCBS-24), ARSD College, University of Delhi, January 27-29, 2024
48.	Prof. Dinesh Kumar Arya	An efficient and environmentally friendly multicomponent synthesis approach using Indiumtriflate to synthesize structurally varied spiroannulated benzothiazolopyrimidines.	Paper presented	International Conference on Crossroad of Chemistry, Biology & Atmospheric Environment: Modern Prospective Organized by Department of Chemistry, University of Delhi. February 26 to 28, 2024.
49.	Prof. Pankaj Khanna	Ultrasound-assisted extraction, antioxidant activity and insecticidal activity of Cycas sp.	Poster Presented	International Conference on Crossroads of Chemistry, Biology & Atmospheric Environment: A Modern Prospective, organized by Department of Chemistry on February 26-28, 2024.
		Insecticidal study on rice plant pests: Nilaparvata lugens using Cycas sp. leaves extracts		60th Annual Convention of Chemists 2023, held at IIT Delhi Campus from December 20-21, 2023.
		Green synthesis & In-vitro studies of dicoumarol derivatives.		60th Annual Convention of Chemists 2023, held at IIT Delhi Campus from December 20-21, 2023.

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
50.	Prof Neeti Misra, Prof Pankaj Khanna Prof Manisha Jain	A DFT study to understand the mechanism of DA reaction of hexafluoro-2-butyne and mono-substituted furans	Poster Presented	60th Annual Convention of Chemists 2023, held at IIT Delhi Campus from December 20-21, 2023.
51.	Prof Pankaj Khanna	Synthesis of Novel Inclusion Complexes of Chromone-based Schiff Bases and their Molecular Docking Studies with 1BNA	Paper presented	International Conference on 'Chemical and Biological Sciences (ICCBS)', organised by Atma Ram Sanatan Dharma College, University of Delhi from January 27-29, 2024.
		Synthesis of Novel Indole Derivatives of Biological Importance		International Conference on 'Integrative Chemical Science for Health & Environment-2023,' organized by Deshbandhu College, University of Delhi, from October 06-08, 2023.
52.	Prof. Anju Agrawal Dr Ravneet Kaur Dr Monika Bhattacharya	Assessing Industrial Impact on Bhilwara Soil: A Comparative Analysis	Paper Presented	8th International Conference of Indian Network for Soil Contamination Research (INSCR-2024) on 'Exploring the Microbial World from Human Health to Environmental Sustainability' and 4th International Symposium on Ciliate Biology (ISCB-2024), from April 03-05, 2024 at Conference Centre, UoD, Delhi, India.
53.	Prof. Amit Garg	Functionalization of PGE using GO for its Biocompatibility in Protein Sensing	Paper Presented	34th MRSI CONCLAVE IIT BHU. December 12-16, 2023

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
54.	Dr Ravneet Kaur	Five-day workshop on Development of Audio Video Resources based on Laboratory Manual in Science at Upper Primary Stage.	Resource Person	Department of Education in Science and Mathematics, NIE Campus, NCERT New Delhi from July 10, 2023
55.	Dr Ravneet Kaur	Five-day workshop on "Online Course in Teaching of Science at Middle Stage	Resource Person	Department of Education in Science and Mathematics, NIE Campus, NCERT New Delhi from July 31-August 8, 2023.
56.	Dr Ravneet Kaur	Five-day workshop on Development of Learning Outcomes based activities in Biology, Chemistry, Physics and Mathematics at Secondary Stage (Level II)	Resource Person	Department of Education in Science and Mathematics, NIE Campus, NCERT New Delhi, August 21-25, 2023.
57.	Prof. Udaibir Singh	Investigation of the di-/piezo-/ferro-electric properties of Yttrium doped $0.49\text{BiFeO}_3 - 0.20\text{Pb}(\text{Mg } 1/3 \text{ Nb } 2/3) \text{O}_3 - 0.31\text{PbTiO}_3$ ternary ceramic at MPB	Paper Presented	2nd International Conference on Recent Advances in Functional Materials (RAFM-2024), ARSD College, University of Delhi, March 14-16, 2024.
58.	Dr Sarita Agarawal	A Study of Fluctuation in the Stock Market	Paper Presented	International Conference on Mathematics and Application, organized by Mata Sundri College for Women held during January 10-12, 2024
59.	Prof. Mamta Bhatia	STEM and STEAM Power for Women Empowerment	Invited Lecture	Indiana University, U.S, February 22, 2024
60.	Prof. Mamta Bhatia	Comparative study of space and time dependent spectra and Tritium Production Rate in blanket of Li_2O for a futuristic Fusion Reactor	Poster Presented	American Conference on Neutron Scattering, ACNS 2024, Knoxville, Tennessee, U.S, June 23-27, 2024

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
61.	Dr Anita Narang Prof. Sunita Hooda Prof. Sanjeeta Rani Prof. Manisha Verma	Enhancement of dielectric energy in Chitosan added Magnetic Graphene Oxide	Poster Presented	International conference on Integrative Chemical Science for Health and Environment (ICHE-2023) organized by Deshbandhu College, October 6-8, 2023.
62.	Prof. Geetu Gambhir Dr Anita Narang Prof. Manisha Verma Prof. Sunita Hooda	Nanocomposites of Cobalt Oxide grafted Magnetic Tamarind as a promising Bioadsorbent for Reactive Blue19 Dye.	Poster Presented	International conference on Integrative Chemical Science for Health and Environment (ICHE-2023), organized by Deshbandhu College October 6-8, 2023.
63.	Dr Anita Narang Prof. Sunita Hooda Prof. Manisha Verma Prof. Sanjeeta Rani	Study of Role of Nyquist Plot and Graphical Analysis of Electrochemical Impedance Spectroscopy Data for biopolymer added magnetite samples.	Poster Presented	International conference on Integrative Chemical Science for Health and Environment (ICHE-2023), organized by Deshbandhu College October 6-8, 2023.
64.	Prof. Sunita Hooda Dr Anita Narang Prof. Geetu Gambhir Prof. Manisha Verma Prof. Sanjeeta Rani	Unveiling Environmental Effects on Ground water and soil health: An Indian Case Study	Poster Presented	8th International Conference on Exploring the Microbial World from Human Health to Environmental Sustainability & 4th International Symposium on Ciliate Biology INSCR, April 03-05, 2024

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
65.	Prof. Arijit Chowdhuri	Effect of habitat restoration on reproductive fitness of <i>Cassia fistula</i> _ L.- an ecologically important native tree in Delhi NCR	Paper presented	Aniket Raj, Vaibhav Khatri, Srijal Priya, Arijit Chowdhuri, Charu Khosla Gupta and Vineet K. Singh, International Conference on Chemical and Biological Sciences (ICCBS 2024), January 27-29, 2024, organized by Atma Ram Sanatan Dharma College (University of Delhi) Dhaula Kuan, New Delhi – 110 021, India. pp 158
66.	Prof. Arijit Chowdhuri Dr Anita Thakur Dr Geetika Kalra Prof. Charu Khosla Gupta	Effect of environmental pollution in modulating levels of reactive oxygen species in some native trees of Delhi	Paper presented	International Conference on Chemical and Biological Sciences (ICCBS 2024), January 27-29, 2024, organized by Atma Ram Sanatan Dharma College (University of Delhi) New Delhi, India.
67.	Prof. Arijit Chowdhuri	Fabrication of Self-biased Piezoelectric Nanogenerator Based on KNN/PDMS Flexible Piezoelectric Nanocomposite	Paper presented	International Conference on Advanced Functional Materials and Devices (AFMD – 2024) held from February 26 – 29, 2024 at Nanotechnology Research Center, SRM Institute of Science and Technology, Kattankulathur, Chennai, Tamil Nadu, INDIA

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
68.	Prof. Arijit Chowdhuri	WO3 Coated Quartz Crystal Microbalance Sensor for Room-Temperature Sensing of NO ₂	Paper presented	International Conference on Advanced Functional Materials and Devices (AFMD – 2024) held from February 26-29, 2024 at Nanotechnology Research Center, SRM Institute of Science and Technology, Kattankulathur, Chennai, Tamil Nadu, India.
69.	Prof. Arijit Chowdhuri	Efficient Room Temperature Detection of DMMP Using CdS Thin Film Based QCM Sensor	Paper presented	International Conference on Advanced Functional Materials and Devices (AFMD – 2024) held from February 26-29, 2024 at Nanotechnology Research Center, SRM Institute of Science and Technology, Kattankulathur, Chennai, Tamil Nadu, India.
70.	Prof. Arijit Chowdhuri	Advancements in Lamb Wave High-Frequency Devices Using Diamond-Like Carbon (DLC)	Paper presented	2nd International Conference on Materials for Sustainable Development and Technologies (ICMSDNT) – 2024 held at Central University of Jammu, J & K May 01-03, 2024.
71.	Prof. Arijit Chowdhuri	Effect of Au catalyst on the growth of the nanostructures prepared using VPT technique for enhanced biosensing performance of ZnO matrix	Paper presented	2nd International Conference on Materials for Sustainable Development and Technologies (ICMSDNT) – 2024 held at Central University of Jammu, J & K May 01-03, 2024.

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
72.	Prof. Arijit Chowdhuri	Influence of varying channel length on the performance of back-gated FET	Paper presented	2nd International Conference on Materials for Sustainable Development and Technologies (ICMSDNT) – 2024 held at Central University of Jammu, J & K May 01-03, 2024
73.	Prof. Arijit Chowdhuri	Exploring the Influence of Film Thickness on the Thermoelectric Properties of Bi ₂ Te ₃ Thin Films	Paper presented	2nd International Conference on Materials for Sustainable Development and Technologies (ICMSDNT) – 2024 held at Central University of Jammu, J & K May 01-03, 2024
74.	Prof. Arijit Chowdhuri	Synthesis of Polystyrene - Copper dust-based composites for EMI shielding in X-band	Paper presented	2nd International Conference on Materials for Sustainable Development and Technologies (ICMSDNT) – 2024 held at Central University of Jammu, J & K May 01-03, 2024.
75.	Prof. Arijit Chowdhuri	SnO ₂ based heterostructures for efficient detection of NO ₂ gas at trace level	Paper presented	2nd International Conference on Materials for Sustainable Development and Technologies (ICMSDNT) – 2024 held at Central University of Jammu, J & K May 01-03, 2024
76.	Prof. Arijit Chowdhuri	Fabrication of 100 MHz and 444 MHz SAW resonators on ST cut quartz using Maskless Lithography	Paper presented	2nd International Conference on Materials for Sustainable Development and Technologies (ICMSDNT) – 2024 held at Central University of Jammu, J & K May 01-03, 2024 pp 299 – 300

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
77.	Dr Ranjit Singh	Non-Local Regime of relativistic Weibel instability in the presence of a laser pump in a plasma	Paper presented	3rd International Conference on Plasma Theory and Simulation (PTS-2023), Organized by School of Physical Sciences, Jawaharlal Nehru University New Delhi, September 22, 2023
78.	Dr Ranjit Singh	Filamentation of a relativistic short pulse laser in a magnetized inhomogeneous plasma	Paper presented	International conference on plasma science and applications icpsa-2023, December 12, 2023
79.	Prof. Sarita Kumar	Comparative influence of the diflubenzuron on the adult emergence and detoxification enzymes expression in the laboratory-bred and field-collected strains of <i>Aedes aegypti</i> L. (Diptera: Culicidae)	Paper presented	16th International Conference of Medical Arthropodology (ICMA-2023) on "Emerging and Re-emerging Infectious Vector-borne and Zoonotic Diseases: Impact of Climate Change and Global Warming" University of Calicut, Kerala, December 13-15, 2023.
80.	Prof. Pooja Bhagat Prof. Ravi Toteja Prof. Seema Makhija	"Bacteria-ciliates' symbiosis: An ancient partnership"	Poster Presented	Second South Asian Symposium on Microbial Ecology (SASME 2023) held on November 1-3, 2023 in Dhulikhel, Nepal.
81.	Prof. Pooja Bhagat Prof. Ravi Toteja Prof. Seema Makhija	Deciphering the eukaryotic microbial diversity through metagenomic approach"	Poster Presented	Second South Asian Symposium on Microbial Ecology (SASME 2023) held on November 1-3, 2023 in Dhulikhel, Nepal.
82.	Prof. Pooja Bhagat Prof. Ravi Toteja Prof. Seema Makhija	"Colpoda n. sp.: A Cosmopolitan Eukaryotic Microbe Isolated from Sewage Treatment Plant of Jasola, Delhi, India: Journey from Classical Taxonomy to Macrogenome Analysis"	Poster Presented	Second South Asian Symposium on Microbial Ecology (SASME 2023) held on November 1-3, 2023 in Dhulikhel, Nepal.

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
83.	Prof. Pooja Bhagat Prof. Ravi Toteja Prof. Seema Makhija	Defining Heavy Metal Toxicity, Detoxification Mechanisms, and Metalloproteins in Freshwater Ciliates: Insights from Cellular, Molecular and Computational Aspects	Poster Presented	Second South Asian Symposium on Microbial Ecology (SASME 2023) held on November 1-3, 2023 in Dhulikhel, Nepal.
84.	Prof. Pooja Bhagat Prof. Ravi Toteja Prof. Seema Makhija	Assessment of Lead (Pb) Toxicity in Two Different Isolates of Euplotes woodruffi by Morphological, Biochemical, and Molecular Mechanisms"	Poster Presented	Second South Asian Symposium on Microbial Ecology (SASME 2023) held on November 1-3, 2023 in Dhulikhel, Nepal.
85.	Prof. Pooja Bhagat Prof. Ravi Toteja Prof. Seema Makhija	Faunistic study on the freshwater ciliate diversity with description of a novel urostylid species from Delhi, India	Poster Presented	8th International Conference of INSCR (Indian Network for Soil Contamination Research) and 4th International Symposium on Ciliate Biology from April 03-05, 2024 at Conference Centre, University of Delhi, Delhi, India
86.	Prof. Ravi Toteja Prof. Seema Makhija	Ciliates as Symbionts: Exploring Symbiotic Relationships	Poster Presented	8th International Conference of INSCR (Indian Network for Soil Contamination Research) and 4th International Symposium on Ciliate Biology from April 03-05, 2024 at Conference Centre, University of Delhi, Delhi, India
87.	Prof. Ravi Toteja Prof. Seema Makhija	Comparing diversity of unicellular eukaryotes (ciliates) through morphological and metabarcoding approach in various ecotypes	Poster Presented	8th International Conference of INSCR (Indian Network for Soil Contamination Research) and 4th International Symposium on Ciliate Biology from April 03-05, 2024 at Conference Centre, University of Delhi, Delhi, India

S. No.	Authors	Title of Paper	Invited Lecture/ Resource Person /Paper presented	Details
88.	Prof. Ravi Toteja Prof. Seema Makhija	Impact of heavy metal pollution on the Community Structure and diversity of ciliates	Poster Presented	8th International Conference of INSCR (Indian Network for Soil Contamination Research) and 4th International Symposium on Ciliate Biology from April 03-05, 2024 at Conference Centre, University of Delhi, Delhi, India
89.	Prof. Seema Makhija	A new record of <i>Oxytrichagranulifera</i> Foissner and Adam (1983) from Delhi, India	Poster Presented	8th International Conference of INSCR (Indian Network for Soil Contamination Research) and 4th International Symposium on Ciliate Biology from April 03-05, 2024 at Conference Centre, University of Delhi, Delhi, India
90.	Prof. Seema Makhija	A new fresh water ciliate <i>Aponotohymena australis</i> (Foissner & O'Donoghue, 1990; Foissner, 2016) from Delhi, India	Poster Presented	8th International Conference of INSCR (Indian Network for Soil Contamination Research) and 4th International Symposium on Ciliate Biology from April 03-05, 2024 at Conference Centre, University of Delhi, Delhi, India
91.	Prof. Ravi Toteja Prof. Seema Makhija	A study on identifying bacterial prey of filter feeding ciliates in Pringsheim's medium: Methodologies and Future Prospects	Poster Presented	8th International Conference of INSCR (Indian Network for Soil Contamination Research) and 4th International Symposium on Ciliate Biology from April 03-05, 2024 at Conference Centre, University of Delhi, Delhi, India
92.	Dr Gaurav Sharma	Solving Zero sum two person matrix game in Diophantic Linear Environment	Paper presented	International Conference on Pure and Applied Mathematics (ICPAM-2024) organized by the Department of Mathematics, Janki Devi Memorial College, University of Delhi, February 22-23, 2024.



ANNEXURE I



Annexure II

ANNEXURE II: LIST OF GB MEMBERS

S.No.	Name	Designation
1	Prof. Sudeshna Mazumdar Leighton	Chairperson
2	Prof. Manoj Kumar Garg	Treasurer
3	Dr Anita Narang	Teacher Representative
4	Dr Archna Pandey	Teacher Representative
5	Prof. Ravi Toteja	Member-Secretary
6	Arunita Chaukiyal	Non-Teaching Nominee

ACHARYA NARENDRA DEV COLLEGE



Acharya Narendra Dev College

STAFF COUNCIL COMMITTEES 2022-2024 (PERMANENT AND AD HOC FACULTY)

Admissions Committee All Teachers-in-Charges	Workload and Time Table Committee	Examination Committee	Alumni Affairs Committee
Convenors: 1. Dr Archana Pandey 2. Dr Sandeep Kumar Goel 3. Prof. Pankaj Khanna Foreign Language 1. Dr Geetu Gambhir (Convenor) 2. Prof. Sunita Hooda	Joint Convenors: 1. Prof. Seema Gupta (Chemistry) 2. Prof. Laxmi Narain Co Convenors: 1. Dr Sanjeeta Rani 2. Dr Sharanjit Kaur	1. Prof. Seema Gupta (Convenor) 2. Dr Sharanjit Kaur (DS) 3. Dr Anita Narang (DS) 4. Prof. Anju Agrawal (DS) 5. Dr Udaibir Singh (DS) 6. Dr Rajesh Chaudhary (DS) 7. Dr Dinesh Kumar Arya (DS) 8. Prof Arijit Chowdhuri (DS) SOL 1. Prof Sunita Hooda (Supdt.) 2. Dr Sandeep Kumar Goel (Supdt.) 3. Mr Gaurav Sharma (Supdt.) 4. Mr Pawan Kumar (Supdt.) 5. Prof. Geetu Gambhir (Supdt.) 6. Dr Neelgagan Singh (DS) 7. Dr Rahul Dev (DS) 8. Dr Jitender Goel (DS) 9. Dr Satendra Singh (DS) 10. Dr Deo Datta Arya (DS)	Convenor + 1 from each Department (except Convenor's Department) 1. Dr Manisha Jain (Convenor) 2. Dr Ambika 3. Dr Satyapal Singh 4. Dr Vatsla Kohli 5. Prof. Arijit Chowdhuri 6. Ms Priyanka Sharma 7. Dr Neelu Dheer 8. Dr Shallu Sachdeva 9. Dr Sanjay Kumar 10. Mr Dev Om

Sports Committee	Library Committee:	College Development Committee	SPICMACAY
<p>Convenor + 4 members</p> <ol style="list-style-type: none"> 1. Dr Chaman Singh (Convenor) 2. Mr Ravinder Kumar Sagar 3. Dr Satyapal Singh 4. Dr Sada Nand Prasad 5. Dr Satya Parkash 6. Dr Shrankhla 7. Mr Namonarayan Meena 	<p>Bursar</p> <p>All TICs or one teacher or Representative from each Department</p> <ol style="list-style-type: none"> 1. Prof Seema Gupta (Convenor) 2. Dr Roopesh Tehri 	<p>Convenor + 2 members + Representative from each Department</p> <ol style="list-style-type: none"> 1. Prof Laxmi Narain (Convenor) 2. Dr Ranjeet Singh 3. Dr Chandra Kanta Samal (Comp.Sc.) 4. Dr Archana Pandey 5. Prof Monisha Khanna Kapur 6. Dr Rohtash Singh 	<ol style="list-style-type: none"> 1. Dr Shallu Mahajan (Convenor) 2. (Co-Convenor) 3. Ms Priyanka Sharma 4. Ms Gauri Ghai 5. Prof. Manisha Jain <p>Debating Society (Tark)</p> <p>Dr Yasheshwar (Convenor)</p> <p>Dr Neelu Dheer</p> <p>Dr Shallu Sachdeva</p> <p>Dr Joita Dhar Rakshit</p> <p>Ms Ankita Rasaily</p> <p>Prof. Vibha Gaur</p> <p>Prof. Monisha Khanna Kapur</p>
Fellowship Programs and Awards	Proctorial Committee	Canteen Committee	Social Outreach Programs Committee (NSS) /UBA
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