



ANNUAL REPORT

2023 - 24

BHASKARACHARYA COLLEGE OF APPLIED SCIENCES

(University of Delhi)

NAAC Accredited 'A++' || Star College Status - DBT ||
NIRF College 2023 Rank - 22

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PRINCIPAL'S REPORT

27th Annual Report



विद्यानं नाम नरस्य रूपमधिकं प्रच्छन्नगुप्तं धनम्।
विद्या भोगकरी यशः सुखकरी विद्या गुरूणां गुरुः।

भावार्थ: विद्या मनुष्य का सर्वोत्तम और श्रेष्ठ रूप है। यह एक छिपा हुआ और सुरक्षित धन है। विद्या जीवन में भोग (सुख) प्रदान करती है, यश (प्रसिद्धि) दिलाती है और सुखद जीवन का आधार बनती है। विद्या सभी प्रकार के गुरुओं की भी गुरु है, अर्थात् विद्या ही सर्वोच्च शिक्षक है।

Namaskar,

Bhaskaracharya College of Applied Sciences, a distinguished institution within the South Campus of Delhi University, traces its roots back to October 1995. Named in honor of the celebrated 12th century mathematician Bhaskaracharya, the college has consistently upheld a commitment to holistic and value-based education since its inception.

Offering a diverse spectrum of eleven science honors programs, including Biomedical Science, Computer Science, Electronic Science, Instrumentation, Food Technology, Polymer Science, Physics, Microbiology, Botany, Chemistry, and Zoology, the college caters to the aspirations of a vibrant student body exceeding 1300 members. This robust academic environment has solidified our college's reputation as a center of academic excellence.

The annual report for 2023-24 serves as a comprehensive chronicle of the past year, encapsulating the college's significant milestones and achievements.

The college successfully submitted its **National Assessment and Accreditation Council** Self Study Report (NAAC-SSR) and we are delighted to announce that the **NAAC** has conferred upon our college an "**A++**" **grade** and a CGPA score of 3.60 in the second cycle of

accreditation. This outstanding achievement is a testament to the college's unwavering commitment to academic excellence, quality teaching, research, innovation, and overall institutional development.

We are thrilled to announce that the college has entered into **seven Memorandum of Understanding (MoUs)** with various National and International organizations and institutions, including JAAGRUTI Waste Paper Recycling Services (under Bhaanti Consultancies Pvt. Ltd.), M/S SMS Water Grace, BMW Pvt. Ltd, the Department of Microbiology of Maharishi Dayanand Saraswati University, Ajmer, Delhi State AIDS Control Society, NavTATVA Educare Pvt. Ltd, Innovative Power Solutions, and Leibniz Institute for Astrophysics (AIP) in Potsdam, Germany. These strategic partnerships will facilitate collaborative research, student internships, faculty exchanges, and knowledge sharing across diverse fields. Notably, the MoU with NavTATVA Educare Pvt. Ltd, signed in the presence of esteemed Professor Yogesh Singh, Vice-Chancellor of the University of Delhi, will focus on developing cutting-edge augmented reality and virtual reality (AR-VR) based digital content. This ground-breaking initiative aligns with the college's commitment to technological advancement and innovation in education.

In recent years, our college has experienced remarkable growth, marked by significant enhancements in both teaching quality and learning processes. Our commitment includes a focus on the comprehensive development of our students, aligning with the principles of the National Education Policy (NEP) 2020, which emphasizes holistic, flexible, and multidisciplinary learning. This year, our achievements reflect this dedication. Our faculty members have been awarded **four patents** and have contributed **68 publications** to prestigious journals. Additionally, they have authored **3 books, 28 book chapters, and 5 conference proceedings**. We have also initiated **four research projects** funded by ICMR, IKS division, SERB - DST, and Naturz Bio Kontrol Pvt Ltd, and 14 faculty members are actively supervising Ph.D. scholars. Several of our faculty members have been promoted this year. These accomplishments highlight our ongoing efforts to drive academic and research excellence while fostering a dynamic and inclusive learning environment.

The college was honored to be selected as the designated **Nodal Center** for hosting a **G-20 event by the Culture Council** of the University of Delhi, with France as the country of focus. An enriching academic and cultural program was successfully organized on September 29, 2023, showcasing the college's commitment to international engagement and cultural exchange.

Furthermore, the college's dedication to scientific research and innovation was acknowledged by **ISRO**, which approved us as a **Nodal Center** for training programs. In collaboration with ISRO and Rajdhani College, University of Delhi, we initiated a significant project titled 'UV-radiation Monitoring Program for Climate and Health Studies.' This collaborative effort aims to contribute to vital research on climate change and its impact on human health.

We are delighted to welcome the **first batch of NCC cadets**, enrolled since November 22, 2023, under the 7-Delhi Bn NCC and supervised by CTO Dr. Ramesh Kumar. Four cadets even achieved ranks within their first year, demonstrating their dedication and leadership potential.

The college's commitment to entrepreneurship received a boost with the approval of the **Ministry of Micro, Small and Medium Enterprises (MSME)** as an **incubation center**. Dr. Anjali Saxena from the Department of Zoology and Shivi Nahare, a third-year B.Sc. (H) Microbiology student, were awarded prestigious funding in the first round, showcasing the center's early success.

The college takes immense pride in the achievements of its **alumni**. **Major Sachin Negi** (B.Sc.(H) Physics 2012 batch) received the prestigious **Shaurya Chakra** from the Hon'ble President of India, a testament to his exemplary service. Further exemplifying our students' potential, **Adithya Nambiar** from the third year of B.Sc. (H) Biomedical Sciences participated in a special program designed for aspiring university students under the framework of the **Sakura Science Exchange Program** organized by Japan Science and Technology Agency (JST) from September 24-30, 2023.

Many of our students actively engaged in research projects and internships, demonstrating their inquisitive minds and drive for practical experience. We are incredibly satisfied to see them excel not only in academics but also in extracurricular activities, both within the college and at the intercollegiate level. Our vibrant clubs, committees, and cells organized numerous events, seminars, and activities throughout the year, fostering a dynamic and enriching campus experience. Additionally, various sports activities were organized, promoting a holistic approach to student development. This academic year, we hosted numerous knowledge-enhancing talks, webinars, and workshops. Our Internal Quality Assurance Cell (IQAC) actively organized training programs and seminars. We also collaborated with the Coalition of Food Systems Transformation to host an **international conference on 'A Sustainable Approach to Health, Nutrition, and Environment'** on March 7, 2024.

Our college is committed to a sustainable future. We've implemented several **green initiatives**, including installing **solar panels and 63 solar lights** to reduce our reliance on fossil fuels. Additionally, a **decomposer unit** and **bio-toilets** have been installed on campus, promoting eco-friendly waste management.

The college takes pride in its well-maintained and updated library, a vital resource for student success. It boasts a vast collection of over **27,000 books**, hundreds of bound journals, and a wealth of digital resources through our recently renewed **N-List subscription**. Orientation programs ensure students can effectively utilize these resources and the library's **Koha management software**.

The college is thrilled to announce the **Distinguished Alumni Awards for 2023-24**. These prestigious awards recognize outstanding alumni in various categories: **Dr. Vasudha Sharma**

(Academics/Research), **Mr. Tarang Shrivastava** (Corporate/Industry), **Major Nitin C. Nambiar** (Government/Defence Services), and **Ms. Kamna Hazrati** (Entrepreneurial Venture). We are also proud to acknowledge our top academic performers for 2023-24. **Mr. Kuntak** (B.Sc. (H) Microbiology) and **Ms. Shivi Nahare** (B.Sc. (H) Microbiology) are recipients of the **Best Student Awards** in the male and female categories, respectively.

We are deeply saddened by the passing of **Prof. S.S. Chibber**, our first OSD, whose visionary leadership and dedication shaped our institution. We also mourn the loss of **Prof. Anil Kumar Bali**, a revered retired professor of Zoology who left an indelible mark through his commitment to education and research.

We acknowledge the invaluable support of our esteemed Governing Body members, dedicated teaching and non-teaching staff, and our hardworking students. These achievements are a testament to the collective effort of this amazing college community.

I conclude with this quote

नास्ति विद्यासमो बन्धुर्नास्ति विद्यासमः सुहृत् ।
नास्ति विद्यासमं वित्तं नास्ति विद्यासमं सुखम् ॥

भावार्थ: विद्या जैसा बंधु नहीं, विद्या जैसा मित्र नहीं, (और) विद्या जैसा अन्य कोई धन या सुख नहीं ।

Prof. Avneesh Mittal
Officiating Principal

LIST OF GOVERNING BODY MEMBERS

Governing Body Members w.e.f. July 19, 2023

1. Prof. Radhey Shyam Sharma	- University Representative-Chairman
2. Prof. Mukesh Mehlawat	- University Representative-Treasurer
3. Prof. Eram S Rao	- Teacher's Representative
4. Dr. Madhulika Bajpai	- Teacher's Representative
5. Ms. Usha Sati	- Non-Teaching Representative
6. Prof. Avneesh Mittal	- Principal (Offg.)-Member secretary

Governing Body Members from June 23, 2023 – July 18, 2023

1. Prof. Radhey Shyam Sharma	- University Representative-Chairman
2. Prof. Mukesh Mehlawat	- University Representative-Treasurer
3. Dr. Sujata Bhardwaj	- Teacher's Representative
4. Prof. Eram S Rao	- Teacher's Representative
5. Ms. Usha Sati	- Non-Teaching Representative
6. Prof. Avneesh Mittal	- Principal (Offg.)-Member secretary

Governing Body Members from February 25, 2023 - June 22, 2023

1. Prof. Radhey Shyam Sharma	- University Representative-Chairman
2. Prof. Mukesh Mehlawat	- University Representative-Treasurer
3. Dr. Sujata Bhardwaj	- Teacher's Representative
4. Prof. Eram S Rao	- Teacher's Representative
5. Sh. Rajiv Kumar Dawar	- Non-Teaching Representative
6. Prof. Avneesh Mittal	- Principal (Offg.)-Member secretary

NAAC PEER TEAM VISIT

Upon successful submission and subsequent approval of the NAAC Self Study Report (NAAC-SSR), a three-member Peer Team constituted by NAAC visited the college premises on June 20 and 21, 2023 to assess the college in its second cycle of NAAC accreditation. The Peer team consisted of Prof. Y. Vimala, Chairperson Peer Team, Prof. Fakir Chand, Coordinator Peer Team and Prof R. Hiremath, Member Peer team. The college along with the Principal, Prof Avneesh Mittal, Internal Quality Assurance Cell (IQAC) Coordinator, college NAAC Committee Conveners and other staff and students welcomed the NAAC Peer team members.

Preparation of the Peer Team visit

Monitoring of Academic and Administrative Activities: Several committees were formulated for preparation of the Peer Team visit. These committees critically analyzed academic, administrative and financial activities of the college. Research Committee compiled physical proofs of research, publications and innovations carried out by faculty and students of the college and displayed them in the Research Plaza that was set up during the Peer Team visit. A review visit of all the facilities of the college and physical verification of laboratories were also conducted. Visits were also convened for physical verification of office, accounts, Laboratories and the Library.

Preparation of presentations / posters / file compilation: Coordination and follow-ups were carried out with various NAAC Departmental Coordinators and conveners of staff council constituted committees/cells/clubs for NAAC Peer Team visit. Repeated meetings with departments were organized for preparation, formatting and further improvement of the departmental presentations that were to be presented before the NAAC Peer Team. File compilation was an extensive task which was meticulously followed by all departments and committees.

Before the actual visit of the NAAC Peer Team, a mock visit was also organized on June 15, 2023 which helped the college prepare itself for the ‘THE DAY’. Expected schedule of Peer Team visit was followed during the Mock visit. The NAAC Peer Team had meetings with the Principal and the IQAC members during their visit on June 20 and 21, 2023. The Peer Team members assessed and evaluated student progression, governance, curriculum, research work, activities, best practices followed in the college. They also assessed the infrastructure and facilities of the college, visited all departments and laboratories and interacted with all stakeholders including students, alumni, parents, teaching and non-teaching staff. They also evaluated the teaching and learning processes that are followed in the college along with necessary facilities including Departmental labs, research facility, Library, Internet Centre, NSS, sports ground and others.

Declaration of the final NAAC Grades

With pride we declare that National Assessment and Accreditation Council (NAAC) has accredited our college with “A++” grade and a CGPA score of 3.60 in the second cycle of accreditation, vide its email dated July 8, 2023. College offers heartfelt gratitude to all who have worked hard to drive the institution in steer-taking its legacy as the foremost educational institution amongst the emergent colleges of University of Delhi. The whole BCAS family sincerely thank its well-wishers and friends.

Grateful and gratitude

NAAC core committee, IQAC and the Principal extend heartfelt congratulations to the entire college including students, teachers, staff and alumni for this phenomenal achievement. The released NAAC grade is a testimony to the support received from Governing Body and other dignitaries of the University. Special thanks to Dr. Vikas Gupta, Registrar, Prof. Balaram Pani, Dean of Colleges, Prof. Ratnabali, Dean Academics of the University of Delhi, Chairperson Governing Body Prof Radhey Shyam and other external members of IQAC, Regional Director IGNOU RC3, Director SRI other eminent academicians or personalities collaborating with the college for interacting with the Peer Team members. The college expresses its gratitude to the Hon'ble Vice Chancellor, University of Delhi and his dedicated team and the Government of National Territory of Delhi, GB members during the NAAC assessment period for constant support and guidance.

Convener: Prof. Uma Chaudhry

Co-Convener: Prof. Siddharth Sirohi

MERITORIOUS STUDENTS (Academic Year: 2022-23)

S. No.	Course	Position	Name		
			First Year	Second Year	Third Year
1	B. Sc. (Hons.) Biomedical Science	I	Lavisha	Kripansha Pant	Bhavya
		II	Purva Goel	Stutie	Hiranyamaya Dash
		III	Suhani Prasad	Aismita, Nisha, Nalini	Randhir
		Overall Topper: Bhavya			
2	B. Sc. (Hons.) Botany	I	Ishra Parvin	Muskan	Saleha Parveen, Gunjan Sood
		II	Naina Kumari	Diksha	Rashi Singh, Bipasha Mehta
		III	Divyanshi Bareja	Geetanjali Yadav	Aman Mishra, Abhigyan Shekhar Mishra
		Overall Topper: Aman Mishra			
3	B. Sc. (Hons.) Chemistry	I	Dushyant Singh Chaudhary	Akanksha Katoch	Kanika, Shankar Mishra
		II	Vivek Pandey	Shivanshu Sharma	Vaibhav Pandey
		III	Raunak Tiwari	Kamlesh Kumar	Harsh
		Overall Topper: Kanika			
4	B. Sc. (Hons.) Computer Science	I	Chiranjit Mandal	Vivek Banduni	Bakul Garg, Munna Kumar Verma
		II	Shubham Kumar	Anant Bhardwaj	Tairthik Roy
		III	Mohit Pratap Sharma	Nisha Anand	Deepak Kumar
		Overall Topper: Munna Kumar Verma			

S. No.	Course	Position	Name		
			First Year	Second Year	Third Year
5	B. Sc. (Hons.) Electronic Science	I	Nitish	Sachin Kumar	Devesh Singhania
		II	Bhimsain	Aniket Jain	Rishu
		III	Nidhi Sharma	Abhay Roy Barman	Harkesh
Overall Topper: Devesh Singhania					
6	B. Sc. (Hons.) Food Technology	I	Sunny Kumar	Chhavi Porwal	Lavika Piplani
		II	Kamma Hari Kishor	Sree Nandana S	Anjali Grover, Yash Makkar
		III	Chahat	Chirag Saini	Ashmita Tanwar, Jyoti Chauhan, Naina, Simran Kapoor
Overall Topper: Lavika Piplani					
7	B. Sc. (Hons.) Instrumentation	I	Satvik Gupta	Kushal Das	Kamaltosh Jha
		II	Saumya Gupta	Kaushik Das	Abhishek
		III	Abhinav Singh, Ritesh Shishodia	Thakur Rudraksh Singh	Arunima Tiwari
Overall Topper: Kamaltosh Jha					
8	B. Sc. (Hons.) Microbiology	I	Shashwat S Nair	Megha Sapra	Niranjana K Satheesh
		II	Vasu Madan	Madhurima Maitra	Jyotsana Bidaliya, Priya Sharma
		III	Gautam Kalwadia	Keshav Sharma, Shivi Nahare	Simran
Overall Topper: Jyotsana Bidaliya					

S. No.	Course	Position	Name		
			First Year	Second Year	Third Year
9	B. Sc. (Hons.) Physics	I	Naveen kumar	Anand	Adreeja Goswami
		II	Dhruv	Kashinathan RS	Neha
		III	Krishnaja Girish	Ayush Singh	Nithya Priya
		Overall Topper: Adreeja Goswami			
10	B. Sc. (Hons.) Polymer Science	I	Akhilesh	Prince Gupta	Kajal
		II	Ved Prakash	Isha Kaur	Karuna Sharma
		III	Sneha Koley	Kanak Bansal	Shashank Upadhyay
		Overall Topper: Kajal			
11	B. Sc. (Hons.) Zoology	I	Ishita Goel	Bini Kanyal	Pradumn, Nitin V
		II	Kaushal Gupta	Archit Nayyar	Tanmay Anand
		III	Manpreet Kaur	Akanksha Yadav	Dishu
		Overall Topper: Nitin V			

MEMORANDUM OF UNDERSTANDING (MoU) BY COLLEGE

- On February 1, 2024 (valid for a period of one year which may be extended for another year) with **JAAGRUTI Waste Paper Recycling Services (under Bhaanti Consultancies Pvt. Ltd.)** to collect the waste paper from the college and provide paper products like notepads made up of recycled paper and A4 Sheets.
- On January 29, 2024 (valid till December 31, 2025) with **M/S SMS Water Grace BMW Pvt. Ltd.** to collect the properly segregated, packed and labelled biomedical waste from the college.
- On September 18, 2023 (valid for a period of three years) with **Department of Microbiology, Maharishi Dayanand Saraswati University, Ajmer** to encourage joint academic activities and research projects by the faculty members/scientific personnel of BCAS and Department of Microbiology, Maharishi Dayanand Saraswati University in the field of life sciences.
- On August 14, 2023 (valid for a period of two years) with **Delhi State AIDS Control Society** to promote Red Ribbon Club which will educate youth with correct and adequate information and heighten their level of awareness about HIV/AIDS/STI/ sexuality and other related issues. The Red Ribbon Club will also organize and facilitate voluntary blood donation camps and mobilize the youth for voluntary blood donation.
- On August 8, 2023 (valid for a period of six years) with **NavTATVA Educare Pvt. Ltd.** for digitization of curriculum and impart technologically enhanced pedagogy to students.
- On June 3, 2023 (valid for a period of five years) with **Innovative Power Solutions** to install and maintain LCD/ LED Screens to telecast College notices and messages.
- On May 1, 2023 (valid for a period of five years) with **Leibniz Institute for Astrophysics Potsdam (AIP), Potsdam, Germany** to stimulate and support educational, research, and associated activities like joint research projects, faculty and staff exchange, student exchange, educational summer schools and academic webinars, workshops etc.

RESEARCH AT COLLEGE

a) Research Projects: Extramural funded Research Projects Under Progress:

No. S.	Project Title	Sanctioned Amount (Rs.)	Funding Agency	Date from	Date to	Principal Investigator
1.	Metagenomic analysis of pulmonary microbiome to understand susceptibility to SARs-CoV and associated mucormycosis	Rs. 18,26,804/- (BCAS sanctioned amount)	Indian Council of Medical Research (ICMR)	June 15, 2022	June 14, 2024	Prof. Uma Chaudhry, Prof. Balaram Pani, Prof. Avneesh Mittal, Prof. Deepak Kumar Saini
2.	Development of eco-friendly and sustainable natural dyes from plant extract	8,26,900/-	Indian Knowledge Systems Division of MOE @ AICTE	December 13, 2022	December 12, 2024	Prof. Siddharth Sirohi (PI), Prof. Avneesh Mittal (Co- PI), Dr. Anil Barak (Co- PI)
3.	Role of RNA-binding proteins in rapid eye movement sleep loss associated neurodegeneration	28,54,500/-	SERB- DST	January 10, 2023	January 9, 2026	Dr. Uma Dhawan (PI), Prof. B.N. Mallick (Co- PI), Amity Institute of Neuropsychology and Neurosciences, Amity University.
4.	Developing Plant-based food products	50,000/-	Naturz Bio Kontrol Pvt. Ltd.	July 27, 2023	July 26, 2024	Prof. Eram S. Rao, Dr. Meenakshi Garg

b) Research Supervision: Ph.D. Students currently enrolled under the supervision of the College Faculty

S. No.	Name of the Ph.D. Student	Supervisor	Year of Registration	Affiliated Department and University
1	Banishree Jali	Prof. Uma Chaudhry	2023	ACBR, University of Delhi
2	Sibasis Sahoo	Prof. Uma Chaudhry	2023	ACBR, University of Delhi
3	Ms. Ayushi Jindal	Dr. Meenakshi Garg	2023	Department of Home Science, University of Delhi
4	Ms. Shikha Mittal (née Goel)	Dr. Meenakshi Garg	2023	Department of Home Science, University of Delhi
5	Ms. Megha Malpotra	Dr. Meenakshi Garg	2023	Department of Home Science, University of Delhi
6	Ms Muskan Kumari Gupta	Dr. Rizwana	2023	Department of Home Science, University of Delhi
7	Ms. Pratima Pal	Prof. Sidhharth Sirohi	2023	NSUT, Delhi
8	Ms. Nikita Verma	Dr. Uma Dhawan	2022	ACBR, University of Delhi
9	Ms. Alka Yadav	Dr. Uma Dhawan	2022	ACBR, University of Delhi
10	Mr. Ram Kumar	Prof. Balaram Pani	2022	University of Delhi
11	Ms. Charu	Prof. Avneesh Mittal	2022	University of Delhi
12	Neeraj Kumar	Dr Manoj K Tiwari (Co-Supervisor)	2022	Applied Sciences (Physics), CCS University, Meerut
13	Ms. Anjana Kumari	Prof. Eram Rao	2022	Amity University, Noida
14	Ms. Sana Ahmed	Prof. Eram Rao	2022	Jamia Hamdard, New Delhi
15	Shristy Chettri	Dr. Rizwana (Co-supervisor)	2022	Amity University, Noida
16	Ms. Aarti Malyan	Prof. Geeta Mongia	2021	Department of Electronic Science, University of Delhi

S. No.	Name of the Ph.D. Student	Supervisor	Year of Registration	Affiliated Department and University
17	Ms. Manisha Thakur	Prof. Eram Rao	2021	Jamia Hamdard, New Delhi
18	Ms. Neha Singh	Dr. Meenakshi Garg	2021	Department of Home Science, University of Delhi
19	Ms. Priyanka Prajapati	Dr. Meenakshi Garg	2021	Department of Home Science, University of Delhi
20	Ms. Ritika	Dr. Rizwana	2021	Department of Home Science, University of Delhi
21	Ms. Tanu Gupta	Dr. Shalini Sehgal	2021	Department of Home Science, University of Delhi
22	Mr. Shivraj Singh	Prof. Sidhharth Sirohi	2021	Amity University, Noida
23	Mr. Sandeep Kumar	Dr. Saroj K. Shukla	2021	Department of Chemistry, University of Delhi
24	Mr. Sandeep	Dr. Saroj K. Shukla	2021	Department of Chemistry, DCR University, Murthal
25	Ms. Manisha Sharma	Dr. Saroj K. Shukla	2021	Department of Chemistry, DCR University, Murthal
26	Mr Bodhisatta Seal	Dr. Susmita Dey Sadhu (co-supervisor)	2021	Amity University, Noida
27	Ms. Priya Singh	Dr. Meenakshi Garg	2019	Department of Home Science, University of Delhi
28	Ms. Amandeep Kaur Kang	Dr. Uma Dhawan	2019	ACBR, University of Delhi
29	Ms. Shiffali	Dr. Uma Dhawan (co-supervisor)	2019	ACBR, University of Delhi
30	Ms. Anjali	Prof. Balaram Pani	2019	University of Delhi

S. No.	Name of the Ph.D. Student	Supervisor	Year of Registration	Affiliated Department and University
31	Mr. Sudhir Kumar Gupta	Prof. Sangeeta Srivastava	2019	Department of Computer Science, University of Delhi
32	Ms. Nitika	Dr. Uma Dhawan (co-supervisor)	2018	ACBR, University of Delhi
33	Sujata Adhana	Prof. Uma Chaudhry	2017	ACBR, University of Delhi
34	Rajnish Kumar	Prof. Uma Chaudhry	2016	ACBR, University of Delhi

c) Patents/ Utility Models/ Design Patents:

1. Filed US Patent entitled: ‘Method Using Weighted Aggregated Ensemble Model for Energy Demand Management of Buildings’ Patent Application Publication No. US20230401454A1

Applicants: Nikhil Pachauri, Chang Wook Ahn, Saurabh Agarwal, Tushar Bhardwaj, Gaurav Mishra, Kumar Shubham, **Manoj Kumar Tiwari, Yagyadatta Goswami**

Date of filing- February 03, 2023

Date of Grant- December 14, 2023

2. Filed Indian Patent entitled: ‘Overhead Mobile Charging System for Electric Vehicles’ Patent Application No. 202411004456 A

Applicants: **Dr. Manoj Kumar Tiwari, Dr. Praduman Prasad Singh, Amandeep Kaur**

Date of filing- January 23, 2024

Date of Grant- February 09, 2024

3. Granted a UK Design Patent in respect of the application of such design to ‘Portable Cryo-Electron Microscopy’. (UK Design patent number: 6300170)

Applicants: Kumar Gautam, Rekha Rani, Nikhil Pachauri, Kumar Shubham, **Yagyadatta Goswami, Hardeo Kumar Thakur, Prof. Balaram Pani, Krishna Gopal**

Date of filing- July 29, 2023, Valid till July 29, 2028

Date of Grant- August 31, 2023

4. Granted a UK Design Patent in respect of the application of such design to 'Double Distillation Apparatus for Separation of Organic Compounds'. (UK Design patent number: 6300181)

Applicants: Prof. (Dr.) Seema Tomar, Dr. Nasyam Mohammed Akram, Dr. Shaveta Ahalwat, Mr. Sonu Dewaji Gathe, Dr. Thoppalada. Yunus Pasha, Ajay Kumar Verma, **Dr. Swati Gupta**, Dr. Gyanranjan Mahalik, Dr. Annu Mudgal, Ms. Praneetha Visampalli

Date of filing- July 29, 2023, Valid till July 29, 2028.

Date of Grant- August 08, 2023

d) Research Publications by Faculty:

1. Ritika, Rizwana, **Saroj Shukla**, Anita Sondhi, Abhishek Dutt Tripathi, Jung-Kul Lee, Sanjay K.S. Patel, Aparna Agarwal, "Valorisation of fruit waste for harnessing the bioactive compounds and its therapeutic application" *Trends in Food Science & Technology*, Volume 144 (2024): 104302. <https://doi.org/10.1016/j.tifs.2023.104302>
2. Pawar, Alka, Chandrika Konwar, Prakash Jha, Ravi Kant, Madhu Chopra, **Uma Chaudhry**, and Daman Saluja. "Bactericidal activity of esculetin is associated with impaired cell wall synthesis by targeting glutamate racemase of *Neisseria gonorrhoeae*." *Molecular Diversity* (2023): 1-18. <https://doi.org/10.1007/s11030-023-10745-0>
3. Gangwal, Aakriti, Nishant Kumar, Nitika Sangwan, Neha Dhasmana, **Uma Dhawan**, Andaleeb Sajid, Gunjan Arora, and Yogendra Singh. "Giving a signal: how protein phosphorylation helps *Bacillus* navigate through different life stages." *FEMS Microbiology Reviews* 47, no. 4 (2023) <https://doi.org/10.1093/femsre/fuad044>
4. Khurana, Shiffali, Abhishek Vats, Mandaville Gourie-Devi, Ankkita Sharma, Sagar Verma, Mohammed Faruq, **Uma Dhawan**, and Vibha Taneja. "Clinical and Genetic Analysis of A Father-Son Duo with Monomelic Amyotrophy: Case Report." *Annals of Indian Academy of Neurology* 26, no. 6 (2023): 983-988. https://doi.org/10.4103/aian.aian_609_23
5. **Bhardwaj, Sujata, N. S. Abbas**, Babeeta C. Kaula, and Anil Prakash. "Diversity of fungal endophytes at different maturity levels of *Cryptolepis buchanani* leaves." *Current Botany* (2023), p24-31. <https://doi.org/10.25081/cb.2023.v14.7210>
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9. Gupta, Padmini, Bholey Singh, Manjeet Dham, **Balaram Pani**, and Subho Mozumdar. "A biscationic imidazolium ionic liquid immobilized on graphene oxide as an efficient heterogeneous catalyst for the synthesis of tetraketone derivatives." *New Journal of Chemistry* (2024). <https://doi.org/10.1039/D3NJ03812B>
10. Dimngaihvungi, Esther, Manjeet Singh, **Balaram Pani**, and Ashish Kumar Singh. "Silver and copper nanowire-based nanocomposite for transparent electrodes: deposition methods and applications in solar cells." *Composite Interfaces* 30, no. 12 (2023): 1449-1481. <https://doi.org/10.1080/09276440.2023.2229586>
11. Maity, Saurav Kumar, Uplabdh Tyagi, **Sidhharth Sirohi**, **Balaram Pani**, Krishna Kumar, and Gulshan Kumar. "Fabrication of biocompatible chitosan/graphene based nanocomposite for the competitive adsorption of heavy metal ions from wastewater in binary and ternary systems: Scale-up and upgradation studies." *Journal of Dispersion Science and Technology*, 56 (2023): 104555.
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12. Agasti, Nityananda, and **Balaram Pani**. "Chemistry of ancient materials of iron in India." *Applied Surface Science Advances* 18 (2023): 100456.
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<https://doi.org/10.1080/01932691.2023.2281519>
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18. Kumar, Hemant, **Balaram Pani**, Jitender Kumar, and Pramod Kumar. "In vitro and Bioimaging Studies of Mesoporous Silica Nanocomposites Encapsulated Iron-oxide and Loaded Doxorubicin Drug (DOX/IO@ Silica) as Magnetically Guided Drug Delivery System." *Current Pharmaceutical Biotechnology* 24, no. 10: 1297-1306. <https://doi.org/10.2174/1389201023666220428084920>
19. Rawat, Deepak, Udita Sharma, Archana Yadav, Pankaj Poria, Furqan Farooqi, **Balaram Pani**, Paromita Mukherjee, Mrinalini Singh, Radhey Shyam Sharma, and Vandana Mishra. "A bottom-up approach to select microbes from textile wastewater for detoxification of aromatic amine and azo dye in a single stage." *Journal of Water Process Engineering* 53 (2023): 103668. <https://doi.org/10.1016/j.jwpe.2023.103668>
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2. **Meenakshi. G**, Saumya. C, Vandana. S, Bindu, Eram, S. R. (2024). Practical manual of Food Engineering-I. Pub. Indu Book Services, New Delhi
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f) Book Chapters Published:

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2. Prajapati, Priyanka, **Meenakshi Garg**, Rajni Chopra, and Neha Singh. "Novel Strategies to Obtain Valuable and Sustainable Molecules from Citrus By-products." In *Citrus Fruits and Juice: Processing and Quality Profiling*, pp. 419-437. Singapore: Springer Nature Singapore, 2024. https://doi.org/10.1007/978-981-99-8699-6_17
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DBT STAR COLLEGE SCHEME

A Decade of Star College Scheme of DBT and going strong

Prof. Avneesh Mittal (Officiating Principal), Chairman, Star College Scheme

DBT Star College Scheme-I

Dr. Anita Sondhi (Coordinator)

Prof. Uma Chaudhry (Co-Coordinator)

Department Coordinators

Dr. Anita Sondhi, Coordinator, Biochemistry

Prof. Uma Chaudhry, Coordinator, Biomedical Science

Dr. Pawas Goswami, Coordinator, Microbiology

Dr. Meenakshi Garg, Coordinator, Food Technology

Bhaskaracharya College of Applied Science has been a recipient of funds under the Star College Scheme of the Department of Biotechnology since 2010 and takes immense pride in being a recipient of the Star College Status from DBT. The college expresses its heartfelt gratitude to the Department of Biotechnology, Government of India for guiding us all along in this very long learning association with them. As has been the case for more than a decade of association with DBT, under the ongoing Star College Scheme of the Department of Biotechnology, several activities are planned and executed by the participating departments. As the foremost aim of the scheme is to strengthen science education and research at the undergraduate level, activities are conducted both at the respective department levels and college at large keeping this very objective in mind. Many activities are conducted under the aegis of the DBT Star College scheme. These activities enhance interest in science which includes invited talks of eminent scientists from Academia and Industry, seminars, Hands-on training, and workshops. One of the mandates of the scheme is also to encourage collaboration between various departments and foster frequent and meaningful interactions between the faculty and the students. The students, under this scheme, are also given experiential learning through visits to various industries, institutes and research laboratories. These visits help them understand the applications of science in other institutes and also familiarize them with various career options available in their chosen scientific fields.

DBT Star College Scheme-II

Prof. N.S. Abbas (Coordinator)

Department Coordinators

Dr. Bhavya Deep, Coordinator, Department of Computer Science

Dr. Jitender Kumar, Coordinator, Department of Electronics

Dr. Manoj K. Tiwari, Coordinator, Department of Instrumentation

Prof. Anand Bharadvaja, Coordinator, Department of Physics

Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India, New Delhi has sanctioned financial support for three years w.e.f. 2019 under the Star College Scheme for four additional departments. The participating departments viz, Physics, Computer Science, Electronics and Instrumentation have been included in the ongoing Star support to strengthen life sciences education training at the undergraduate level. To meet the defined objectives under the sanctioned scheme, the college has planned to organize a diverse array of academic and scientific activities including workshops, outreach programs, extension lectures, industrial visits and training, a facility for providing free books to meritorious students, specialized training programmes for faculty improvement for optimizing their technical capabilities, standard curricula, standard operating procedures (SOP) for practical and summer schools, etc. Concerned departments have taken action in strengthening the laboratory infrastructure involving modern equipment and consumables for undergraduate students to upgrade their careers in Science Stream. The participating departments have organized various activities like interactive sessions, outreach programs, alumni meetings,

webinars, and workshops at intra and inter-college levels with the support of this scheme. These activities have been highlighted under the respective departmental activities. Such mentioned activities carried out by the above departments are a testimony to fulfilling the aim and goal of the DBT Star College Scheme.

ACTIVITIES ORGANIZED BY THE G20 PRESIDENCY COMMITTEE

Nodal Officer: Dr. Shivani G. Varmani

To celebrate India's G20 presidency, Delhi University's culture council is hosting G20-related cultural and academic programs for which it has identified 18 designated colleges and departments as nodal centers. Each center will focus on a specific G20 member country, fostering "cross-cultural understanding" and the G20's global vision. Our college has been chosen as the nodal center for France. Keeping this in mind, a G20 Presidency Committee was formed which actively planned and executed activities that not only celebrated Indo-French relations but also addressed broader themes aligned with the 2023 G20 Summit's agendas.

- Prof. Avneesh Mittal, Officiating Principal, Dr. Shivani G. Varmani, Nodal Officer, and Dr. Amandeep Kaur were honored for their valuable contribution towards making the Indo-France G20 Cultural-cum-Academic event for resounding success during the G20 Valedictory Meet held on December 27, 2023 at Vice Regal Lodge, University of Delhi. The event was presided by the Hon'ble Vice Chancellor Prof. Yogesh Singh. Prof. Balaram Pani, Dean (colleges), DU, unveiled the book of memories, entailing the proceedings of this successful Indo-France G20 Cultural-cum-Academic event.
- Organized an academic-cum-cultural program "Celebrating Indo-French relations in the wake of India's G20 Presidency" in collaboration with Shyama Prasad Mukherji College for Women and Shivaji College under the aegis of Culture Council, University of Delhi with France as country of focus on September 26, 2023. Dr. Shivani G. Varmani was the convener and Dr. Bhavya Deep was the Co-Convener of the event. Dr. Amandeep Kaur was the Faculty Coordinator and Dr. Neeru Bhagat was the Organising secretary. Dr. Anil Barak, Mr. Manoj Kumar, Dr. Shikha Srivastava, Dr. Krishna Dutt, Dr. Anoop Saini, Dr. Sakshi Khurana, Dr. Mohit Sharma, Dr. Swati Gupta, Dr. Vijay Kumar, Dr. Neha Singh, Dr. Umesh Kumar, Ms. Shweta Dua and Dr. Shubhra Barwa were the members of the organizing team at BCAS.
- College hosted the inaugural session presided over by Prof. Balaram Pani, Dean of Colleges, University of Delhi. Professor Ravinder Kumar, Dean of Cultural Council, University of Delhi was the Guest of Honor. The program continued with the inauguration of the G20 Art & Photography Exhibition, followed by a showcase of products developed by the college's Women Development Cell in collaboration with self-help groups.
- **Inaugural Session was followed by Academic session at our College** on the theme "Bharat-France Alliance: Cultural and Economic Perspective" was held where, Dr. Daniel Boeri, French intellectual was Guest of honor and resource person. He gave a talk on "Geo-Politics, Environment and the New Economy: Will the World Survive". Professor Minni

Sawhney, HOD of the Department of Germanic and Romance Studies University of Delhi, was the Guest of Honour and resource person for the second session. She delivered an enlightening talk on “The Importance of Annie Ernaux and her Novels”.

- **Academic Session was followed by Student Activities session at SPM College** on the theme “Bharat and France: A Partnership for Global Betterment”. It consisted of three exciting competitions in - Reel Making competition on “The G20 Agenda: Time to Take Action on Climate Change”, Poster Making competition on “Bharat and France: A Strategic Alliance for a Sustainable Future” and Group Discussion on “Bharat-France Relations: Promoting Agricultural & Technological Advancements”.
- **Valedictory & Cultural Function at SPM at Rajiv Gandhi Auditorium:** The Cultural Program included Indian and French culture Dance and Music performance, performed by the students of our college, Shivaji College, and SPM College. The chairman of the event was Prof. Sachchidanand Joshi, Member Secretary IGNCA, Ministry of Culture, Government of India and the Guest of Honour was Prof. Bindhy Wasini Pandey, Dean of Social Work, University of Delhi Dr. Geeta Bhatt, Director NCWEB, was the Chief Guest of the event.
- Organized a poster making competition on ‘The timeline of biotechnology emphasizing the role of women in the field of biotechnology’ by the Department of Biomedical Sciences in association with G20 Presidency Committee on June 22, 2023.
- Installation of a sunboard for showing and spreading knowledge about the Sustainable Goals of Development was hung over the wall of the Audio-Visual room of the college on June 19, 2023 under the Joint venture of G20 Presidency Committee and Department of Biomedical Sciences.
- To raise consciousness towards environment, health and hygiene, emphasizing female hygiene amongst students and staff, stickers were designed and applied in different places around the campus by a team of students under a “We care” program on June 19, 2023 under the Joint venture of the G20 Presidency Committee and Department of Biomedical Sciences.
- Wellness posters for Physical, Mental and spiritual health of students were installed in college premises under the joint venture of G20 Presidency Committee and Department of Biomedical Sciences on June 16, 2023. This helped in contributing to the 3rd Sustainable Development Goal, i.e. Good health and Well-being.
- Organized an online seminar on ‘Climate Change’ on May 25, 2023. Prof.S. K. Dhaka Department of Physics and Electronics, Rajdhani College was a Resource person.

ACTIVITIES ORGANIZED BY THE COLLEGE UNDER MoUs

❖ NII-BCAS, Science Setu

Nodal Officer: Dr. Uma Dhawan

- Eight students from the departments of Biomedical Science, Chemistry, Microbiology and Polymer Science attended the National Science Day (NSD-2024) to commemorate Dr. C. V. Raman and his discovery, the Raman effect,

under the theme of ‘Indigenous Technologies for Viksit Bharat’ on February 28, 2024 at National Institute of Immunology, New Delhi.

- Eight students from the departments of Biomedical Science, Botany, Microbiology and Zoology attended the NII (National Institute of Immunology) Open day on January 11, 2024 on the theme of India’s Vaccine Self-Reliance. The open day included talks, poster sessions, research facility visits, games/demos, and the opportunity for interaction with scientists and research scholars.
- A talk on ‘Blocking Cell Signaling in Cancer Cells through Serine Proteases or Non-Kinase Strategies’ by Dr. C. L. Meena, Staff Scientist, National Institute of Immunology, New Delhi under the BCAS-NII Science Setu program was organized on November 21, 2023 in the college.

❖ **Red Ribbon Club**

Nodal Officer: Dr. Uma Dhawan

Club was started in August 2023 under the aegis of National AIDS Control Organization (NACO) for the prevention Control and Care & Support programmes. It is a voluntary on-campus intervention program for students in educational institutions to create awareness about AIDS among the youth. The volunteers of RRC, BCAS promote awareness through our Instagram handle [@rrc.bcas](https://www.instagram.com/rrc.bcas)

- Celebrated National Youth Day on January 24, 2024 to draw attention to youth concerning issues in the nation by organizing. AIDS awareness program was conducted for students of classes 11th and 12th of Government Co-Ed Senior Secondary School, Sector- 2, Dwarka, New Delhi. Slogan cum signature Campaign and Tree Decoration was done with slogans, motivating messages and quotes to create awareness. Reel Making Activity was organized to create awareness and increase comprehensive knowledge of HIV/ AIDS among youth.
- Observation of ‘The World AIDS Day-2023’ on December 1, 2023 for creating awareness and increasing comprehensive knowledge of HIV/ AIDS among youth by organizing various events on the theme “Remember and Commit”. Dr. K. S. Baghotia, Head, Academics and Research, Indira Gandhi Hospital, Dwarka , New Delhi was the Chief Guest. Poster making competition, Tree Plantation Drive, Pledge and Awareness Campaign Drive were organized in the neighborhood of the college
- Two students, Anish Yadav of B. Sc. (H) Instrumentation and Rina Chaudhry of B.Sc. (H) Biomedical Science represented the RRC of the college in the Red Run 5 km ‘Awareness run to fight against HIV/AIDS’ organized by Delhi State AIDS Control Society (DSACS), Govt of NCT as a part of Youth Festival 2023 on September 17, 2023 at Netaji Subhas University of Technology (NSUT), Dwarka, Delhi and had secured first and second positions in the boys and girls category respectively. They also represented Delhi at the National Red Run for 10 km held in Goa on October 8, 2023.

ACTIVITIES ORGANIZED BY INTERNAL QUALITY ASSESSMENT CELL (IQAC)

Coordinator: Prof. Eram S. Rao

- Organised an eye check up camp in association with Centre for Sight Team on May 12, 2023. 113 participants benefited from the comprehensive eye examinations conducted by a team of eye care professionals, which included qualified optometrists and technicians from Centre of Sight.
- Organized capacity-building workshop for student data management from September 13-20, 2023 to abreast them with the specialized ability of maintaining records post execution of the event.
- Organized a five-day workshop on “Start-up modules on Connection - core - choices - causality and community’ in collaboration with Heartfulness Education Trust, Campus Delhi from January 29-February 2, 2024.
- Organized an international Conference on “Food systems- A sustainable approach to health, nutrition and environment” in collaboration with Coalition for Food Systems Transformation in India on March 7, 2024. This was attended by 150 students and 14 staff members of various colleges of Delhi University and NCR. The conference witnessed the presence of eminent Professors, experts from the food and packaging industry as well as the policy makers.

DEPARTMENTAL ACTIVITIES, ACHIEVEMENTS OF FACULTY & STUDENTS

DEPARTMENT OF BIOMEDICAL SCIENCE

Activities by Department

- Organized an annual departmental fest ‘TRINEXUS’ in collaboration with the Department of Food Technology & Department of Polymer Science on February 24, 2024. The event included an alumni interaction’24. Our alumnus Dr. Deepali Joon, Assistant Professor, Sri Guru Tegh Bahadur Khalsa College, University of Delhi, delivered a lecture. The lecture was followed by various events. Dr. Shivani G Varmani was the convener of the event. Dr. Kapil Roy and Dr. Neha Singh were the coordinators of the event.
- Organized an inter-college workshop on ‘Panchkosha: Holistic Development of Personality’ in collaboration with the Department of Physical Education and Yoga club of the college on November 26, 2023. The resource person for the event was Dr. Rishiraj Pathak, Shyama Prasad Mukherji College for Women (Delhi University). Dr. Shivani G Varmani was the convener of the event and Dr. Kapil Roy was the co-convener of the event.
- Organized an inter-college workshop on ‘Yoga Philosophy and Practice’ in collaboration with the Department of Physical Education and Yoga club of our college on November 25, 2023. The resource person for the event was Dr. Rishiraj Pathak, Shyama Prasad Mukherji College for Women, University of Delhi. Dr. Shivani G Varmani was the convener of the event and Dr. Kapil Roy was the co-convener of the event.
- Organized an inter-departmental workshop on ‘Toxic Substances in Daily Life’ on November 22, 2023. The resource person for the event was Dr. Parvinder Kaur, University of Delhi. Dr. Shivani G Varmani was the convener of the event. Dr. Kapil Roy was the co-convener and Dr. Neha Singh was the coordinator of the event.
- Organized an inter-departmental workshop on ‘Achieve Exam Excellence with Yoga and Meditation’ on November 22, 2023. The resource person for the event was Aacharya Swati Jha, Guru Gobind Singh Indraprastha University. Dr. Shivani G Varmani was the convener of the event. Dr. Kapil Roy was the co-convener and Dr. Neha Singh was the coordinator of the event.
- Organized an interdepartmental ‘USIC Educational Visit’ on October 27, 2023. The resource persons for the visit were the technical staff of USIC, University of Delhi, North Campus. Dr. Uma Dhawan was the convener of the visit and Dr. Kapil Roy was the coordinator of the visit.
- Organized an intradepartmental Swachhata Pakhwada - Swachhata Hi Seva (SHS) 2023, Cleanliness Drive on October 9, 2023. Dr. Shivani G Varmani was the convener of the cleanliness drive. Dr. Kapil Roy, Dr. Neha Singh and Dr. Shubhra Barwa were the coordinators of the cleanliness drive.

- Organized an intradepartmental collage making competition ‘Chronicles of Genetics to Exhibit the Journey and importance of Genetics and its Changing Trends’ on May 22, 2023. Dr. Uma Dhawan was the convener of the event. Dr. Shvetambri was the co-convener of the event.
- Organized an inter-departmental workshop on ‘Skill Enhancement Workshop on Mushroom Farming: A Promising Route to Empowerment’ on May 18, 2023. The resource person for the event was Prof. Rajni Gupta, Kirori Mal College, University of Delhi. Dr. Uma Dhawan was the convener of the event. Dr. Shubhra Barwa was the co-convener of the event.

Faculty Achievements

Prof. Uma Chaudhry

- Completed an online International Faculty Development Program on ‘Research Methods and Methodologies for Qualitative, Quantitative and Mixed Methods of Research Design’ organized by Eudoxia Research University, ERU-USA on December 4-14, 2023.
- Delivered two lectures for Ph.D. students during their coursework at Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi on November 9-11, 2023.
- Completed five-day Faculty Development Programme on ‘Demystifying Literature Review Methods Using SLR, Bibliometric and Meta-analysis’ organized by Koach Scholar on September 26-30, 2023.
- Delivered a talk on the topic entitled ‘*In silico* Screening and Identification of Natural Compounds as Potential Inhibitors of Glutamate Racemase, an Emerging Drug Target of Food Pathogen *E. coli* O157:H7’ in the International Conference on Recent Advances on Green and Sustainable Developments (ICRAGSD-2023) organized by green chemistry network centre chapter, Akal University, Talwandi Sabo, Bathinda, Punjab on September 6-8, 2023.

Dr. Shivani G. Varmani

- Completed six-day Short-Term Face to Face Training Programme on ‘Indian Knowledge Systems’ by CPDHE and UGC in collaboration with IKS Division of Ministry of Education, Government of India on October 16-21, 2023.
- Contributed to the development of a module on ‘Green Technology’ consisting of video, test and self-assessment hosted on the SWAYAM portal of the Ministry of Education, Government of India.

Dr. Uma Dhawan

- Delivered a lecture for Ph.D. students during their coursework at Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi on November 20, 2023.
- Member, Committee of Courses for Post-Graduate and Research Studies, Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi from July 3, 2023 - July 2, 2025.
- Awarded ‘Albert Einstein Excellence Award’ to recognize and reward outstanding researchers and innovators by Bio Footprints Society on February 28, 2024.

Dr. Kapil Roy

- Participated in the International Conference on ‘Food Systems: A Sustainable Approach to Health, Nutrition and Environment’ organized by IQAC of the college on March 7, 2024.
- Completed a five-day workshop on ‘Start-Up Modules on Connection-Core-Choices - Causality and Community’ organized by IQAC of the college from January 29-February 2, 2024.

Dr. Neha Singh

- Participated in a Teacher Summit on ‘NEP 2020: Role of Teacher’ organized by Vidya Bharti Uchcha Shiksha Sansthan held at AICTE Auditorium, New Delhi on November 4, 2023.

Students Achievements

- Akshat Chauhan was selected for a Vice Chancellor Internship Scheme (VCIS), University of Delhi from November 7, 2023 onwards.
- Ritam Halder secured second position in the ‘Capture G20 Event’ of the Academic and Cultural Program ‘Celebrating Indo-French relations in the wake of India’s G20 Presidency’ on September 26, 2023.
- Ritam Halder secured first position under the Tree category in the National Level TERRE Olympiad 2023-2024.
- Adithya Nambiar was invited to participate in a special invitation program designed for aspiring university students under the framework of SAKURA SCIENCE Exchange Program organized by Japan Science and Technology Agency (JST) on September 24-30, 2023.

- Rina Choudhary was awarded the Certificate of Achievement - First Runner up in the State Level 5 km Marathon organized by Delhi State Aids Control Society, Govt. of NCT, Delhi held at Netaji Subhas University of Technology (NSUT), Dwarka on September 17, 2023.
- Akshat Chauhan was awarded a Certificate of Achievement - First Runner up in 'Rimjhim Gire Sawan: Online Solo Singing Competition on Kishore Kumar' competition organized by the Department of Botany in collaboration with 'Moksha' music club of the college on August 4, 2023.
- Abhimanyu Kumar completed the internship under 'Vice Chancellor Internship Scheme' (VCIS), University of Delhi from June-August 2023.
- Abhimanyu Kumar secured first position in the poster making competition on the theme 'Waste Management - A Step Towards Green Earth and Better Future' organized by Biological and Chemical Waste Management Committee of the college on June 10, 2023.
- Lavisha, Apoorva Gautam, and Priyank Raj secured first, second and third position respectively in collage making competition on 'Chronicles of Genetics' organized by the Department of Biomedical Science of the college on May 25, 2023.
- Ritam Halder secured second position in the poster making competition on 'Save Bees Save Planet' organized by the Department of Zoology of the college on May 17-20, 2023.
- Rina Choudhary was awarded the Gold Medal in the 100 m race on the college Annual Sports Day 2023 held on April 6, 2023.

DEPARTMENT OF BOTANY

Activities by Department

- Organized Parent Teacher meeting on March 27, 2024. Prof. N.S. Abbas was the convener and all the faculty members of the department were the coordinators of the event.
- Organized 'Slogan Writing Competition' to celebrate International Day of Forests and world poetry day under the theme 'Forests and Innovation: New Solution for a Better World' on March 21, 2024. Prof. N.S. Abbas was the convener and Dr. Komal Chaudhary and Dr. Salam Sonia Devi were the coordinators of the event.
- Organized a counselling session for students under the theme 'Mastering Entrance Exams: A Roadmap to Higher Education' on March 7, 2024. Prof. N. S. Abbas was the convener, Dr. Garima and Dr. Parul were the coordinators of the event.
- Organized the Annual fest Blossom-V on February 28, 2024. An invited lecture was organized under the topic 'Polyploid Genomes: Unravelling the complexity of organization, evolution, regulation and function. The resource persons for the event were

Prof. Sandeep Das, and Prof. Sudeshna Mazumdar-Leighton, Department of Botany, University of Delhi, Prof. N.S. Abbas was the convener of the event.

- Organized a creative writing competition on the topic ‘India-Land of Diversity’ in collaboration with North East and Regional Inclusiveness Cell and Department of Mathematics on February 27, 2024. Dr. Salam Sonia Devi was the convener of the event.
- Organized a field visit to Indian Agricultural Research Institute (IARI) on February 1, 2024. Prof. N.S Abbas was the convener of the event and Dr. Shikha Srivastava was the coordinator of the visit.
- Organized poster making competition to celebrate International Day of Education under the Theme Education for Viksit Bharat@2047 on January 24, 2024. Prof. N.S. Abbas was the convener and Dr. Komal Chaudhary was the coordinator of the event.
- Organized a field visit to mushroom house facility to Kirori Mal College on November 3, 2023. Prof. N. S. Abbas and Dr. Nalla Vijaya Kumar were the coordinators of the visit.
- Organized educational field visit to ‘Yamuna Biodiversity Park’ on October 28, 2023. Prof. N.S. Abbas was the convener and Dr. Komal Chaudhary was the coordinator of the event.
- Organized a workshop on Intellectual property Rights in Biology on October 26, 2023. The resource person for the event was Dr. Kshitij Kumar Singh, Faculty of Law, University of Delhi. Convener of the event was Prof. N.S. Abbas and coordinator was Dr. Pratishtha.
- Organized an invited lecture on ‘Phylogenetic Biology’ on October 20, 2023. The resource person for the event was Prof. R. Geeta. Convener of the event was Prof. N.S Abbas and coordinator was Dr. Garima.
- Organized freshers party for the newly admitted students on October 11, 2023. Prof. N. S. Abbas was the convener of this event.
- Organized a National Seminar on ‘Artificial Intelligence vs Rishi intelligence’ on September 15, 2023. The resource person of the event was Mr. Ravi Singh Chaudhary, Director Dhanvantari Natural Foundation. Convener of this event was Prof. N. S. Abbas, Dr. Shikha Srivastava and Dr. Salam Sonia Devi were the coordinators of this event.
- Organized orientation programme for the newly admitted students on August 16, 2023. Prof. N. S. Abbas was the convener of this event.
- Organized an online singing competition ‘Rimjhim Gire Sawan’ on the occasion of Kishore Kumar’s birthday: King of Playback Singing on August 4, 2023. Prof. N.S. Abbas and Dr. Shikha Srivastava were the conveners of this event.
- Organized a National webinar on Vrikshayurveda to celebrate the World Nature Conservation Day on July 28, 2023. Prof. N.S. Abbas was the convener of the event and Dr. Shikha Srivastava and Dr. Salam Sonia Devi were the coordinators of the event.
- Organized Farwell and Alumni meet on May 6, 2023. Prof. N.S. Abbas and Dr. Sujata Bhardwaj were the conveners of the event.

- Organized an awareness programme on ‘Know your Soil’ to celebrate the World Earth Day on April 22, 2023. Prof. N.S. Abbas and Dr. Sujata Bhardwaj were the conveners of the event, Dr. J. Dinakaran and Dr. Shikha Srivastava were the coordinators.

Faculty Achievements

Prof. N.S. Abbas

- Served as convener and resource person in three days workshop cum Faculty Development Programme (FDP) on Crafting Pathways: Designing Frameworks for Skill Enhanced Courses on March 19-21, 2024.
- Participated in the two-day workshop on ‘Establishment of Modalities for Skill Enhancement Courses’ organized by Skill Enhancement Committee, University of Delhi on March 4-5, 2024.
- Participated in the NEP 2020 Orientation and Sensitization Programme under Malviya Mission Teacher’s 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 February 20-29, 2024.
- Participated in the three-days online National Level Student-Led workshop series for Higher Education Teachers on ‘Creative Interactive Learning Experiences through e-learning’ organized by SNDT Women’s University, Mumbai on January 22-24, 2024.

Dr. Salam Sonia Devi

- Attended a workshop on ‘Intellectual Property Right’ organized by Phytomics, the Botanical Society of Department of Botany of the college on October 26, 2023.
- Attended an awareness programme on ‘Know Your Soil’ organized by Phytomics, the Botanical Society of Department of Botany of the college on April 22, 2023.

Dr. Shikha Srivastava

- Completed Master Trainers Faculty Training Programme on ‘Indian Knowledge Systems’ organized by Division of Ministry of Education, Govt. of India, New Delhi in collaboration with University Grants Commission (UGC), New Delhi and Central Sanskrit University, Bhopal from February 26-March 2, 2024
- Participated in one-day online session on ‘Understanding Upcoming New Changes, Binary Accreditation, and its Methodology in NAAC’ organized by IQAC Cluster India on February 5, 2024

- Participated in the three-days online National Level Student-led workshop series for Higher Education Teachers on ‘Creative Interactive Learning Experiences through e- learning’ organized by SNDT Women's University, Mumbai on January 22-24, 2024.
- Participated in the NEP 2020 Orientation and Sensitization Programme under Malviya Mission Teacher’s 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 January 9-18, 2024.
- Working as an editorial board member for OAIBI (Open Access Journal of Botanical Insights) since November 8, 2023.
- Participated in the National webinar on ‘Awareness of Malviya Mission Teacher’s Training Programme’ organized by Guru Angad Dev Malviya Mission Teacher’s Training Centre, SGTB Khalsa College, University of Delhi held on October 22, 2023.
- Participated in the six-days short term face to face training programme on ‘Indian Knowledge Systems’ organized by CPDHE, University of Delhi from October 16-22, 2023.
- Participated in the one-day National webinar on ‘Millet Recipe’ organized by Anwarat Samwaad, a joint initiative of Accutech Innovations and Science and Research Development Society held on September 14, 2023.
- Participated in the one-day National webinar on ‘Brown top Millet’ organized by Anwarat Samwaad held on September 3, 2023.
- Participated in the four-weeks Faculty Induction Programme organized by Ramanujan College, University of Delhi held on July 22-August 20, 2023.
- Participated in the one-week Faculty Development Programme on ‘Organic Farming and Biofertilizers’ jointly organized by University of Delhi, Department of Botany and SEC committee, Swami Shraddhanand College, University of Delhi, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi, Chaudhary Charan Singh Hisar agriculture university, Hisar, Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education held on August 7-13, 2023.
- Joined the Rakshin Project which works for girls Rights and protection on August 6, 2023.
- Participated in one-day webinar on ‘Busting Dairy Myths: Dairy can be Part of Healthy Diet’ organized by PFNDI in collaboration with SMC college of Dairy science, Anand, Gujarat on August 5, 2023.
- Participated in the online one-week faculty development programme organized by Ramanujan College, University of Delhi held on June 1-7, 2023.

- Participated in the three days faculty development programme (FDP) on ‘Achieving Excellence in Analysis’ organized by SNDT Women's University, Mumbai on May 25-27, 2023
- Participated in a one-day workshop for educators on ‘Ethics and Culture’, a value-added course for the undergraduate programme organized by value added courses committee and Janki devi memorial college, University of Delhi on May 20, 2023.
- Participated in one-month MOOC on ‘Educational Journalism in Digital Era’ offered under open education for better world (OEBW) project initiated by UNESCO chair on open technologies for OER and open learning University of Nova Gorica, Slovenia from April 15-May 15, 2023.
- Participated in a one-day National seminar on Yoga and Naturopathy with the theme ‘Yoga-Naturopathy: An Integrative Medicine’ organized by International Naturopathy organization (INO) and All India Institute of Medical Sciences (AIIMS), New Delhi in association with Central Council for Research in Yoga and Naturopathy (CCRYN) and Morarji Desai National Institute of Yoga (MDNIY), Ministry of Ayush, Govt. of India at Jawaharlal auditorium, AIIMS, New Delhi on April 23, 2023.
- Participated in a one-day workshop on ‘Role of Mushroom Cultivation in Women Empowerment: An Indian Perspective’ organized by Department of Botany, Kirori Mal College, University of Delhi on April 1, 2023.

Students Achievements

- Anushka Priya was awarded first prize in slogan writing competition in SAMARA 24, the annual fest of Bloom organized by the Botanical society of Ramjas college, University of Delhi held on March 2, 2024.
- Subir Kumar was awarded second prize in slogan writing competition in SAMARA 24, the annual fest of Bloom organized by the Botanical society of Ramjas college, University of Delhi held on March 2, 2024.
- Shreya was awarded third prize in slogan writing competition in SAMARA 24, the annual fest of Bloom organized by the Botanical society of Ramjas college, University of Delhi held on March 2, 2024.
- Ishra Parveen secured third position in poster making competition on the theme ‘Waste Management-A Step towards Green Earth and Better Future’ organized by the Biological and Chemical Waste Management Committee of the college on June 10, 2023.
- Gunika Gautam of third year has secured third position in 100m and 400m interdepartmental running race competition held on Annual sports day on April 6, 2023.

DEPARTMENT OF CHEMISTRY

Activities by Department

- Organized Parents Teacher Meeting on March 27, 2024. Dr. Lalit Kapur was the convener of the event. Dr. Swati Gupta, Dr. Shailja Singh, Dr. Sampat Singh Chauhan, Dr. Balendra, Mr. Ram Kumar, Dr. Seema Gautam and Dr. Poonam Kumari were the coordinators of the event.
- Organized Annual Department Fest ‘Rasayan Utsav 2024’ on February 27, 2024. The expert lecture by Mr. Rakesh Hooda, CEO and Founder of TechFresh Pvt. Ltd. on ‘How to become the Leader of Life’. The lecture was followed by various events such as CHEMBOLA- the quiz competition, Extempore with the theme Viksit Bharat, Transfer the Electron, Balloon Mania and many more. Dr. Lalit Kapur was the convener of the event. Dr. Swati Gupta, Dr. Shailja Singh, Dr. Sampat Singh Chauhan, Dr. Balendra and Mr. Ram Kumar were the coordinators of the event.
- Organized a lecture on ‘Better Living Through Green Chemistry’ on January 8, 2024. Dr. Ram Mohan, Professor, Department of Chemistry Illinois Wesleyan University (IWU), delivered the lecture. Dr. Lalit Kapur was the convener of the event. Dr. Swati Gupta, Dr. Shailja Singh, Dr. Sampat Singh Chauhan, Dr. Vijay Kumar, Dr. Balendra and Mr. Ram Kumar were the coordinators of the event.
- Celebrated Diwali ‘Deep Rang-The Saga of Light’ and organized an Awareness Drive on November 8, 2023. Dr. Swati Gupta, Dr. Shailja Singh, Dr. Sampat Singh Chauhan, Dr. Balendra and Mr. Ram Kumar were the coordinators of the event.
- Organized a lecture on ‘Career Opportunities in Chemistry’ on October 12, 2023. Mr. Pradeep Rajput from ChemAcademy delivered the lecture and interacted with students. Dr. Lalit Kapur was the convener of the event. Dr. Swati Gupta, Dr. Shailja Singh, Dr. Sampat Singh Chauhan, Dr. Vijay Kumar, Dr. Balendra and Mr. Ram Kumar were the coordinators of the event.
- Organized Swachhta Drive from October 1-15, 2023.
- Celebrated Teacher’s Day on September 5, 2023.

Faculty Achievements

Dr. Swati Gupta

- Participated in the International Conference on ‘Food Systems: A Sustainable approach to Health, Nutrition and Environment’ organized by IQAC of the college on March 7, 2024.
- Participated in one-day National webinar entitled ‘Is Air Pollution Responsible for Increasing Rate of Lung Cancer?’ organized by UGC-Malaviya Mission Teacher Training

Centre (UGC-MMTTC/GAD-MMTTC), SGTB Khalsa College, University of Delhi in collaboration with Indian Cancer Society, Delhi held on March 2, 2024.

- Completed the ‘Introduction to Cybersecurity’ course by Cisco Networking Academy® on February 29, 2024.
- Successfully completed one-week online National Faculty Development Program jointly organized by 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 (PMMMNMTT) of the Ministry of Education, Government of India. with grade ‘A’ from August 21-28, 2023.

Dr. Shailja Singh

- Member, Course Committee to prepare syllabus for semesters IV, V, and VI for a four-year Bachelors program, University of Delhi, Delhi.
- Participated in the International Conference on ‘Food Systems: A Sustainable approach to Health, Nutrition and Environment’ organized by IQAC of the college on March 7, 2024.
- Completed the ‘Introduction to Cybersecurity’ course by Cisco Networking Academy® on February 29, 2024.
- Participated in the International Conference on ‘Chemical and Biological science (ICCBS)’ organized by ARSD college, University of Delhi from January 27-29, 2024.
- Successfully completed online one-week Interdisciplinary Faculty Development Programme on ‘Integrating Sustainability in Higher Education’ organized by Department of Commerce & IQAC, Shyam Lal College, University of Delhi in collaboration with Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi from December 11-16, 2023.
- Faculty coordinator in Interactive Workshop on ‘How to Prepare for Civil Services Exam’ organized by Career Counselling Cell in association with Committee for Student Mentoring and Holistic Wellbeing of the college on November 9, 2023.
- Member, Local Organizing Committee of International Organic Chemistry Symposium 2023 jointly organized by Thieme, University of Delhi and Indian Science Congress Association (ISCA) Delhi Chapter on October 25, 2023.
- Successfully completed one-week online National Faculty Development Program jointly organized by 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 (PMMMNMTT) of the Ministry of Education, Government of India from August 21-28, 2023.

Dr. Sampat Singh Chauhan

- Participated in the International Conference on ‘Food Systems: A Sustainable Approach to Health, Nutrition and Environment’ organized by IQAC of the college on March 7, 2024.
- Faculty coordinator in a five-day short-term course on ‘Path to Achieve Sustainable Development Goals & Making Sustainable Environment’ organized by Department of Microbiology of the college from May 22-26, 2023.
- Participated in a lecture on ‘G20-Youth Empowerment and Strengthening: Awareness about various Scholarship Schemes and Policies’ organized by SC/ST cell of the college on April 12, 2023.

DEPARTMENT OF COMPUTER SCIENCE***Activities by Department***

- Organized a parent-teacher meeting on March 26, 2024. Ms. Arti Dua and Dr. Jayant Sharma were the conveners. Prof. Sangeeta Srivastava, Ms. Manu Kataria, Dr. Bhavyadeep, Mr. Parveen Kumar, Ms. Seema, and Dr. Asha were the faculty coordinators.
- Organized annual techno-cultural festival ‘Interface 2024’ on February 22, 2024. Dr. Jayant Sharma was the convener. Prof. Sangeeta Srivastava, Ms. Manu Kataria, Dr. Bhavyadeep, Mr. Parveen Kumar, Ms. Seema, Dr. Asha, Mr. Rajkumar, Mr. Mohit, and Mr. Ashique Siddiki were the coordinators.
- Organized a seminar on ‘Careers Guidance after graduation’ on February 7, 2024. The resource person for this workshop was Mr. Ritukar Chadda from Landmark Institute, Delhi. Ms. Arti Dua and Dr. Jayant Sharma were the conveners.
- Organized a workshop on Career Counselling on October 27, 2023. The resource person for this workshop was Mrs. Rajni Bhasin from ANGLAIS School of Skills Development. Ms. Arti Dua was the convener. Prof. Sangeeta Srivastava, Ms. Manu Kataria, Dr. Anita Sondhi, Dr. Jayant Sharma and Ms. Seema were the coordinators.
- Organized a Technical Talk on ‘Adversarial Attacks on Artificial Intelligence and Its Countermeasures’ on October 19, 2023. The resource person for this workshop was Dr. Gaurav Indra, Assistant Professor, Department of Information Technology, IGDTUW, Delhi. Ms. Manu Kataria was the convener. Ms. Arti Dua and Ms. Seema were the coordinators.
- Organized a workshop on ‘Financial Literacy’ on September 19, 2023. The resource person for this workshop was Mr. Vivekh Pathak from Be.Artsy, Awareness Partner to spread Financial Literacy. Prof. Sangeeta Srivastava was the convener. Ms. Arti Dua, Ms. Manu Kataria and Dr. Jayant Sharma were the coordinators.

- Organized a parent-teacher meeting on May 27, 2023. Ms. Arti Dua and Dr. Asha Rani were the conveners. Prof. Sangeeta Srivastava, Ms. Manu Kataria, Dr. Bhavyadeep, Mr. Parveen Kumar, Ms. Seema, and Dr. Jayant Sharma were the faculty coordinators.

Faculty Achievements

Ms. Manu Kataria

- Appointed as visitor's nominee to the Executive Council of Hemvati Nandan Bahuguna Garhwal University, Srinagar, Uttarakhand for a period of three years from January 4, 2024.

Prof. Sangeeta Srivastava

- Participated in inauguration of projects on Semiconductor by the Hon'ble Prime Minister, held on March 13, 2024.
- Participated in a one-day workshop on 'Yoga Philosophy and Practice' organized by the Department of Biomedical Science in collaboration with Department of Physical Education and Yoga club of the college on November 25, 2023.
- Participated in a one-day workshop on 'Capacity Building Workshop CSBDM' organized by IQAC of the college held on October 27, 2023.
- Participated in 53rd edition of Bridge 2023 – Delhi, organized by ICT Academy held on October 16, 2023.
- Participated in International Academic & Cultural Program for celebrating 'Indo-French Relations in the wake of India's G20 Presidency' organized by the college in collaboration with Shivaji College & Shyama Prasad Mukherji College for Women held on September 26, 2023.
- Participated in a one-day workshop on 'Intellectual Property Rights- Copyright Process' organized by the PGDAV College (Evening), University of Delhi in collaboration with IQAC, R&D committee and Vidya Vistar Scheme of the college on May 16, 2023.
- Successfully completed add-on course on 'Fundamentals of Python' by Centre of Professional Development by Guru Gobind Singh College of Commerce, University of Delhi from August-September 2023.
- Reviewer at International Journal of Multimedia Tools and Applications, 2023-2024.

Dr. Arti Dua

- Participated in Inauguration of projects on Semiconductor by the Hon'ble Prime Minister, organized by Department of Electronics Science of the college on March 13, 2024.

- Participated in a one-day webinar on ‘Is Air Pollution Responsible for Increasing Rate of Lung Cancer?’ organized UGC-Malaviya Mission Teacher Training Centre (UGC-MMTTC/GAD-MMTTC), SGTB Khalsa College, University of Delhi in collaboration with Indian Cancer Society, Delhi held on March 2, 2024.
- Participated in a one-day webinar on ‘Research: Sustainability, Challenges and Opportunities’ organized by IQAC and Research Committee of the college held on January 24, 2024.
- Participated in one-day webinar on ‘Introduction to Machine Learning and Recommender Systems’ organized by Department of Computer Science, University of Delhi, held on December 12, 2024.
- Participated in 53rd edition of Bridge 2023 – Delhi organized by ICT Academy, Delhi held on October 16, 2023.

Dr. Bhavyadeep

- Participated in conference DAICON 2024 organized by StrategINK, An ISO/IEC 27001:2013 Company, Haryana at Hyatt Regency, Delhi on January 17, 2024.
- Participated in a one-day online workshop on ‘Introduction to Machine Learning and Recommender Systems’ sponsored by SERB, Govt. of India, under the SRG Scheme organized by Department of Computer Science, University of Delhi on December 9, 2023.
- Resource person in a workshop on ‘FTPs and Advantage of Data Encryption’ organized by the Department of Microbiology of the college on November 30, 2023.
- Participated in 53rd edition of Bridge 2023 – Delhi organized by ICT Academy, Delhi held on October 16, 2023.
- Participated in webinar on ‘Building Career Reputation via Peeref and Other Venues’ organized by LetPub Learning Nexus, an author service brand owned and operated by Accdon LLC, Boston, USA on October 12, 2023.
- Participated in webinar on ‘Connectivity First Building Smart Campuses’ organized by StrategI NK Solutions, an ISO/IEC 27001:2013 Company, Haryana on September 26, 2023.
- Participated in a workshop on ‘Financial Literacy’ organized by Department of Computer Science of the college on September 19, 2023.
- Participated in Cisco - Simplify your IT event at The Park, New Delhi on May 24, 2023.
- Attended special lecture and interactive session on ‘Small Molecule Drug Discovery using AIML and Physics-based Modeling’ organized by DSEU, Dwarka Campus held on May 12, 2023.
- Editorial Board Member of American Journal of Environmental Science, ISSN 1558-3910.

- Editorial Board Member of PriMera Scientific Engineering Journal, ISSN 2834-2550.
- Reviewer - Scientific Reports. ISSN 2045-2322.

Dr. Jayant Sharma

- Participated in two-day workshop on 'Establishment of Modularities for Skill Enhancement Courses' by Skill Development Course Committee, University of Delhi on March 4-5, 2024.

DEPARTMENT OF ELECTRONIC SCIENCE***Activities by Department***

- Conducted Parent Teacher Interaction Program on March 27, 2024. The convener was Dr. Manoj Tiwari. The faculty coordinators were Dr. Inderbir Kaur, Dr. Jitender Kumar, Dr. Amit Kumar, Ms. Aarti Malyan, Dr. Shikha Madan, and Mr. Chetan Awasthi.
- Organized a visit to DUCAT, Kohat Enclave on February 9, 2024. The conveners were Dr. Manoj Tiwari and Dr. Jitender Kumar. Dr. Swati Sharma was the faculty coordinator.
- Conducted an orientation program for second year on January 11, 2024. The convener was Dr. Manoj Tiwari. The faculty coordinator was Ms. Jyoti.
- Conducted an orientation program for first year on January 10, 2024. The convener was Dr. Manoj Tiwari. The faculty coordinator was Ms. Jyoti.
- Organized a visit to ST Microelectronics on November 1, 2023. The convener was Dr. Manoj Tiwari. The faculty coordinators were Dr. Jitender Kumar, Mr Manoj Kumar and Ms Jyoti.
- Conducted a 'What's inside a black box' and 'Quiz competition' on October 13, 2024. Mr. Manish Kumar (Technical Leader, STMicroelectronics) was the resource person for the event. The conveners were Dr. Manoj Tiwari and Dr. Jitender Kumar. The faculty coordinator was Mr Manoj Kumar.
- Organized a visit to National Physical Laboratory (NPL), New Delhi on October 4, 2023 in collaboration with NPL. The conveners were Dr. Manoj Tiwari and Dr. Jitender Kumar. The faculty coordinators were Dr. Manoj Kumar Tiwari, Dr. Jitender Kumar, and Ms Aarti Malyan.
- Conducted an orientation program for Vidyanjali on September 29, 2023 in collaboration with SCERT, Delhi. Dr. Manisha Taneja, State Coordinator, Vidyanjali and B B Arya, CRCC, Vidyanjali were the resource persons for the program. The convener was Dr. Manoj Tiwari. The faculty coordinator was Ms. Aarti Malyan.

- Organized a visit to DUCAT on September 27, 2023. The convener was Dr. Manoj Tiwari. The faculty coordinators were Dr. Jitender Kumar, Dr. Amit Kumar and Ms. Aarti Malyan.
- Organized a visit to Amrit Udyan in Rashtrapati Bhawan on August 25, 2023. The convener was Dr. Manoj Tiwari. The faculty coordinators were Prof. Geeta Mongia, Dr. Inderbir Kaur, Dr. Jitender Kumar and Ms. Aarti Malyan.
- Conducted Parent Teacher Interaction Program on May 27, 2023. The convener was Dr. Manoj Tiwari. The faculty coordinators were Prof. Geeta Mongia, Dr. Inderbir Kaur, Dr. Amit Kumar, Dr. Jitender Kumar, Ms. Aarti Malyan and Ms. Jyoti.

Faculty Achievements

Prof. Geeta Mongia

- Geeta Mongia, Aarti Malyan, Nitish and Riya Chauhan presented a poster titled 'Enhancing Bio-Electricity Generation through amalgamation of biofilms and Microbial Fuel Cell Technology- A Green Energy Initiative ' IISF- Young Scientist Conference 2023 and won the best poster prize.

Dr. Inderbir Kaur

- Participated in 30 hours Short Term Certificate Course on 'Relevance of Bhagavad Gita in Today's Life' organised by the college in association with Society for Applied Value Education (SAVE) from May 22-27, 2023.

Dr. Manoj Tiwari

- Completed a 30 days Masterclass on 'Java Full Stack' organised by Pantech e -learning Pvt. Ltd., Chennai from August 16-September 16, 2023.
- Completed a 30 days Masterclass on 'Amazon Web Services (ML Ops}' organised by Pantech e -learning Pvt. Ltd., Chennai from June 6-7, 2023.
- Participated in a one-day workshop on 'Social and Emotional Learning' organised by Value Addition Committee and Sri Venkateshwara College, University of Delhi on May 22, 2023.
- Completed a certificate course on 'Intellectual Property Management for Startups' organised by Turnip Innovations Pvt. Ltd., Kolkata from April 5-11, 2023.

Dr. Amit Kumar

- Participated in the Faculty Development Program for 'ICT Integrated Evaluation in Outcome based Education' organized by Academic & Administrative Development Centre, AMET University in association with Association of Indian Universities, Delhi from January 5-12, 2024.

- Reviewed a manuscript for Advanced Engineering Forum, UGC CARE (Group – I) listed journal on November 20, 2023.
- Kumar, A, Invited talk on ‘Electronic Waste Issues & Remedies-An Indian Perspective’ at Mahatama Phule Mahavidyalaya, Kingaon, Latur on October 10, 2023, during online National Seminar Series, October 1-25, 2023.
- Participated in the 53rd edition of BRIDGE 2023 - Delhi (A High Impact Industry-Institute Interaction Event of India) organized by ICT Academy at Hyatt Regency, Delhi held on October 16, 2023.
- Completed one professional development hour by attending the Technical Lecture in Workshop on Electrical and thermal characterization of HEMT ‘Connecting Technologies to Applications for Humanity's Benefit: GaN HEMT Modeling Based on Microwave and mm-Wave Measurements’ on September 21, 2023.
- Completed one professional development hour by attending the Technical Lecture in Workshop on Electrical and thermal characterization of HEMT ‘GaN Power Devices: Operation and Charge Trapping Processes’ on September 18, 2023.
- Completed one professional development hour by attending the Technical Lecture in Workshop on Electrical and thermal characterization of HEMT ‘Extending the Horizon of GaN Power HEMT Platform by Integration’ on September 16, 2023.
- Kumar, A. Presented a paper ‘A simulation study on optoelectronic transitions in metallic nanoparticles’ in the National e-Conference on Recent Advances in Engineering, Technology & Applied Sciences–2023 (RAETAS-2023), organized by Society Towards Advancement of Rural Education in association with Maharana Pratap School of Pharmacy, Lucknow on September 5, 2023.
- Kumar, A, Presented a paper ‘Material Characterization using Python based Toolkit’ organized by Society Towards Advancement of Rural Education, in association with Maharana Pratap School of Pharmacy, Lucknow on September 5, 2023.
- Completed two professional development hours by attending the Technical Lecture in Workshop on ‘Modern Transistor Designs Beyond the Boltzman and Nernst Limits: Next Generation Transistors for Computing and Sensing’ and ‘Breaking the Mold: Using SiGe Technology in Ways That Were Never Envisioned’ held on August 3, 2023.
- Completed one professional development hour by attending the Technical Lecture in Workshop on ‘Electrical (DC, AC, and transient analysis) and thermal characterization of Advanced CMOS, SOI, and FinFET- The Journey from Planar to Stacked 3D Transistor: Lessons from the Past for Future Innovations’ held on July 17, 2023.
- Completed a webinar on ‘Introduction to Power Electronics using MATLAB’ organized by ISIEINDIA, as a part of its industry-oriented skill-based education program on July 26, 2023.

- Completed one professional development hour by attending the Technical Lecture in Workshop on ‘Electrical (DC, AC, and transient analysis) and Thermal Characterization of Advanced CMOS, SOI, and FinFET - Modeling of Hot Carrier Degradation in Nanowire, Nanosheet and Forksheet Devices’ held on July 25, 2023.
- Participated Faculty Development Program for Outcome Based Education for effective Learning and Teaching organized by Academic & Administrative Development Centre, AMET University in association with Association of Indian Universities, Delhi from July 19-27, 2023.
- Participated in one-week National Faculty Development Programme on ‘Integrating AUTODESK Fusion - 360 in Engineering subjects’ organized by Department of Mechanical Engineering, Lendi Institute of Engineering & Technology, Andhra Pradesh in association with Autodesk (Academic & Learning Partner) from June 26-July 1, 2023.
- Completed one professional development hour by attending the Technical Lecture in Workshop on ‘Electrical (DC, AC, and transient analysis) and Thermal Characterization of Advanced CMOS, SOI, and FinFET - Analog Performance of MOS Transistors from the 1 μ m to the 20 nm technologies’ held on July 10, 2023.
- Completed one professional development hour by attending the Technical Lecture in Workshop on ‘Electrical (DC, AC, and transient analysis) and thermal characterization of Advanced CMOS, SOI, and FinFET - Junctionless Transistors’ held on July 6, 2023.
- Completed one professional development hour by attending the Technical Lecture in Workshop on ‘Modern Transistor Designs - CMOS Chronicles: From Bulk CMOS to FinFET and Beyond - A Journey of Innovation’ held on July 5, 2023.
- Completed one professional development hour by attending the IEEE Electron Device Society (EDS) Technical Lecture on ‘Plasma-Based Thin Film Technology in Fabrication of Nano- to Giga-Sized Electronics’ held on June 13, 2023.
- Participated in the International Short Term Training Programme- IX ‘On Environment Pollution: A Threat to Life Below Water & World Environment Day Celebration Week’ organized by Raj Rishi Govt. Autonomous College from June 5-11, 2023.
- Participated in the DST sponsored two weeks Faculty Development Programme on ‘Development of Entrepreneurship and Innovation’ in online mode organized by Academy of Maritime Education and Training, Chennai from May 29-June 9, 2023.
- Reviewed a manuscript for Journal: Bioinspired, Biomimetic and Nanobiomaterials on June 23, 2023.
- Participated in two days National Short Term Training Programme on ‘Sustainable environment Management along with AI’ organized by Department of Civil Engineering, SAGE university on May 19-20, 2023.

- Participated in five days International Workshop on ‘Applications of Machine Learning and Artificial Intelligence in Research and Innovations’ organized at Regional College for Education, Research and Technology, Jaipur from May 2-6, 2023.
- Participated in five days online short-term training Program on ‘Recent Advancements in Medicinal Chemistry and Material Science’ organized by Department of Humanities & Sciences (Chemistry), Vardhman College of Engineering, Kacharam, Shamshabad, Hyderabad in association with JNTU, Hyderabad held from April 24-28, 2023.
- Completed one professional development hour by attending the IEEE Electron Device Society (EDS) Technical Lecture on ‘The Future of Transistor Integration’ held on April 27, 2023.
- Participated in the International Short Term Training Programme-VIII ‘Energy and Environment Conservation’ organized by Raj Rishi Govt. Autonomous College from April 18-24, 2023.
- Completed one professional development hour by attending the IEEE Electron Device Society (EDS) Technical Lecture on ‘Bandgap Engineering and Device Applications of Dilute Nitrides’ held on April 19, 2023.
- Completed two professional development hour by attending the IEEE Electron Device Society (EDS) Distinguished Lectures (DL) ‘Transistor technologies beyond Si CMOS’ & ‘Reliability of Metal Gate / High-K CMOS devices’ on April 3, 2023.

Ms. Shweta Gupta

- Attended lecture Series on ‘Advances in Antenna Development: Current Trends and Challenges’ organized by the Department of Electronic Science, University of Delhi in collaboration with IEEE APS & CRFID Delhi Chapter on January 29 and February 5-7, 2024.
- Presented a Paper titled ‘Steric Hindrance Issue in Junctionless FinFET based Biosensor under diversified temperature variation’ in an IEEE International Conference on Electronics, Materials Engineering & Nanotechnology’ organized by the Institute of Engineering and Management during December 18-20, 2023 and received the best paper award for it.
- Presented a Paper titled ‘Reliability Assessment of JLFinFET based Biosensor for Neutral Biomolecule Detection under Temperature Variation from 250K to 350K’ in an IEEE International Conference on ‘Circuit, Power and Intelligent Systems’ organized by the Silicon Institute of Technology, Bhubaneshwar during September 1-3, 2023.
- Attended a lecture on ‘Modeling of Hot Carrier Degradation in Nanowire, Nanosheet and Forksheet devices’ organized by IEEE Electron Devices Society Delhi Chapter and Deen Dayal Upadhyaya College, University of Delhi and the National Academy of Sciences-Delhi Chapter on July 25, 2023.

- Attended a lecture on ‘The Journey from Planar to Stacked 3D Transistor: Lessons from the Past for Future Innovations’ organized by IEEE Electron Devices Society Delhi Chapter and Deen Dayal Upadhyaya College, University of Delhi and the National Academy of Sciences-Delhi Chapter on July 17, 2023.
- Attended a lecture on ‘Junctionless Transistors’ organized by IEEE Electron Devices Society Delhi Chapter and Deen Dayal Upadhyaya College, University of Delhi and the National Academy of Sciences-Delhi Chapter on July 6, 2023.
- Attended a lecture on ‘The Transistor: Exponential Growth and Securing our World for 75 years of Existence’ organized by IEEE Electron Devices Society Delhi Chapter and Deen Dayal Upadhyaya College, University of Delhi and the National Academy of Sciences-Delhi Chapter on July 3, 2023.
- Attended a webinar on ‘Plasma-based Thin Film Technology in Fabrication of Nano-to Giga-sized Electronics’ organized by IEEE Electron Devices Society Delhi Chapter, Deen Dayal Upadhyaya College, The National Academy of Sciences-India-Delhi Chapter on June 13, 2023.
- Attended a webinar on ‘Transistor Diversity: Looking beyond CMOS to improve Analog Performance’ organized by IEEE Electron Devices Society Delhi Chapter, Deen Dayal Upadhyaya College, The National Academy of Sciences-India-Delhi Chapter on May 23, 2023.
- Attended a webinar on ‘The future of Transistor Integration’ organized by IEEE Electron Devices Society Delhi Chapter, Deen Dayal Upadhyaya College, The National Academy of Sciences-India-Delhi Chapter on April 27, 2023.
- Attended a webinar on ‘Bandgap Engineering and Device applications of Dilute Nitrides’ organized by IEEE EDS Delhi Chapter, Deen Dayal Upadhyaya College, The National Academy of Sciences-India-Delhi Chapter on April 19, 2023.

Dr. Jitender Kumar

- Member of the organizing committee in the five-days workshop on ‘Startup Modules on Connection Core Choices: Causality and Community’ organized by IQAC of the college from January 29-February 2, 2024.
- Member of organizing committee in Research: Sustainability, Challenges and opportunity organized by IQAC and Research Committee of the college on January 24, 2024.
- Chaired the session in International Conference on ‘Energy Materials and Rechargeable Batteries (ICEMRB) -2023’ organized jointly by Department of Sciences (Physics), University Instrumentation Center (UIC), and Manav Rachna University (MRU), Faridabad, Haryana on December 20, 2023.

- Attended Faculty Development Programme on ‘NEP 2020 Orientation and Sensitization Program’ under Malaviya Mission Teacher Training Programme (MM-TTP) of UGC organized by UGC-MMTTC (GAD-MMTC), Sri Guru Tegh Bahadur Khalsa college, University of Delhi from November 13-24, 2023.
- Interview Board Member for the selection of Primary Teachers (PRT) in Kendriya Vidyalaya, Sector-24, Noida from November 3-8, 2023.
- Attended virtual mode one-week International Level Faculty Development Programme on ‘Introduction to Artificial Intelligence’ organized by Department of Electrical and Electronics Engineering in association with Department of Emerging Technologies in Computer Science, Department of Electronics and Communication Engineering, and NI Labview Academy from October 9-14, 2023.
- Successfully completed the online week short term training program on ‘Enhancing Administrative Skills’ organized by Teaching Learning Centre, Tezpur University during May 24-30, 2023.

Ms. Aarti Malyan

- Geeta Mongia, Aarti Malyan, Nitish and Riya Chauhan. ‘Enhancing Bio-Electricity Generation through amalgamation of biofilms and Microbial Fuel Cell Technology- A Green Energy Initiative’ at IISF- Young Scientist Conference 2023.

DEPARTMENT OF ENGLISH***Activities by Department***

- Organized workshop on the topic ‘Role of Reading in Liberating Imagination’ in collaboration with Capability Enhancement and Literary Club of the college on March 15, 2024.
- Organized quote writing competition on the topic ‘Esteemed constitution, Ambedkar’s vision: How the constitution shapes our tomorrow’ in collaboration with Capability Enhancement and Literary Club of the college from December 6-10, 2023.

DEPARTMENT OF FOOD TECHNOLOGY***Activities by Department***

- A Parent Teacher Meeting was organized on March 26, 2024. Dr. Rizwana was the convener of the meeting and all faculty members were the coordinators.

- An educational visit of students was organized to the Institute of Packaging, New Delhi on March 13, 2024. The visit was coordinated by Dr. Meenakshi Garg.
- Students and Prof Eram S Rao attended a National Conference on 'Mission 2030: India A Global Leader for Value Added Food' organized by All India Food Processors Association (AIFPA) at its 79th annual conference at Pragati Maidan, New Delhi held on March 11, 2024. The visit was coordinated by Dr. Rizwana and Prof Eram S Rao.
- Departmental festival Trinexus 2024 was organized on February 24, 2024 in collaboration with Departments of Biomedical Science and Polymer Science. The event included a panel discussion on the Topic: 'Growth and alignment of Food Industry: Vision for Viksit Bharat' by expert alumni panelists Ms Anusuya Borah, Business Development Manager in Givaudan India Pvt Ltd and Mr Nikunj Suneja, Manager in Packaging Operations, Mars Wrigley. Dr. Rizwana and Dr. Ragini Jindal were the conveners for the Panel discussion.
- Students visited Sufalam: Startup Forum for aspiring leaders and mentors, at PhD House, Hauz Khas organized by the Ministry of Food Processing, Govt. of India on February 13-14, 2024. The same was attended and coordinated by Prof. Eram S Rao.
- An interactive session was conducted on 'Career Aspects of Food Technology' by our alumni, Mr. Monu Chaurasiya on November 24, 2023. Dr. Rizwana and Prof. Eram S Rao were the conveners and Ms Manisha Thakur was the faculty coordinator for the session.
- Swachhta drive was conducted from October 13-19, 2023.
- Organized a reel making competition on 'Water is life, Water is Food, Leave No One Behind' was held on October 16, 2023. Dr. Rizwana was the convener and Dr. Sakshi Khurana was the faculty coordinator of the event.
- Fresher's party was organized on October 11, 2023.
- Poster making competition on 'Millets: Ancient Grains for Modern Wellness' was conducted on September 30, 2023. Dr. Rizwana was the convener and Ms. Manisha Thakur was the faculty coordinator.
- Orientation programme for the first-year students was organized on August 16, 2023.
- Farewell function for the outgoing batch was organized on April 25, 2023.
- Organized recipe competition of 'Mighty Millets' sponsored by Kanegrade Flavour and Ingredients Pvt Ltd and lecture on 'Innovation in action' on April 10, 2023. Prof. Eram S. Rao was the convener and Dr. Rizwana was the coordinator of the event.

Faculty Achievements

Dr. Rizwana

- Participated & deliberated upon establishing the guidelines for continuous assessment for the courses under the Theme 'Food Technology' in a two-day workshop on 'Establishment

of Modalities for Skill Enhancement Courses' organized by Skill Enhancement Course Committee, University of Delhi in Conference Centre, University of Delhi on March 4-5, 2024.

- Attended National Conference on 'Poultry and Poultry Products' organized by CII FACE at New Delhi on October 31, 2023.
- Attended a seminar on 'Clinical Evaluation/Intervention Studies for New Foods and Food Ingredients' organized by ILSI, K-FFIG on May 29, 2023.
- Member, Faculty of Science, University of Delhi, under 9(3)(v) Teacher's category w.e.f. for a term of three years from May 4, 2020.

Dr. Shalini Sehgal

- Invited talk on 'Indigenous Technologies for Vikshit Bharat' at National Science Day at Amity University, Noida on March 28, 2024.
- Invited lecture on 'Prevention of Sexual Harassment at Work Place' at Shriram Institute for Industrial Research, Delhi on March 1, 2024.
- Judge for Pure Sciences at the 16th Maharashtra State Inter-University Research Convention for UG, PG, and PPG levels at Nashik held on January 12-15, 2024.
- Attended workshop on 'Pre-emptively Identifying, Preventing, and Responding to Biological Incidents through Community Stakeholder Involvement in India' in Chandigarh organized by Sandia National Laboratories, USA on November 1-2, 2023.
- Delivered a technical talk on 'Regulations of Food Packaging Materials' in the second brain storming session for 'Safe, Secure and Sustainable Food Packaging Material' at IIP, Delhi organized by NETSCoFAN, FSSAI, Department of Commerce, Govt. of India on October 19, 2023.
- First prize in poster presentation on 'Technological and Management options to complement conventional STP approaches in India organized by IHE, Delft, Netherlands at IIT, Delhi on September 28, 2023.
- Attended two-day workshop on 'Innovative Technologies for Wastewater Treatment, Reuse and Resource Recovery' organized by the Pavitra Ganga Project Partners IHE, Delft, Netherlands, IIT Delhi, IIT Kanpur and VITO at IIT, Delhi from September 27-28, 2023.
- Attended one-week online Faculty Development Program on 'Academic Research Writing' organized by the Teaching Learning Centre of Ramanujan College, New Delhi under the PMMMNMTT of MHRD from July 8-14, 2023.
- Subject expert in the designing of BSc. Food Safety and Quality Management, four-year programme at IGNOU, Delhi.

- Member, BOS and subject expert for the development of M.Sc. Food Science and Technology at MRIIRS.

Prof Eram S Rao

- Invited speaker for 8th NIPUN- Induction Training Programme for FSSAI Officials at NIFTEM, Sonipat on December 27, 2023.
- Invited speaker for Impact Lecture Series organized by Sir Vithaldas Thackersey college of Home Science, Mumbai on ‘A Toolbox Approach for Product Reformulation in Food Industry: A Way Forward’ on December 5, 2023.
- Invited speaker for International Symposium on ‘Unlocking reformulations and Unraveling the Science of Sweeteners’ organized by FICCI on November 28-29, 2023.
- Participated in a seminar on ‘Transforming Markets for Better Nutrition’ organized by CII and Access to Nutrition Initiative on November 22, 2023.
- Participated in ‘Coalition for Food- Systems Transformation in India’ organized by Food Future Foundation for the World Food Day and 4th Foundation Day on October 5-6, 2023.
- Invited speaker at ‘Pack-Mach Asia Expo’ organized by CII-Food and Agriculture Centre of Excellence at Pragati Maidan, New Delhi on October 4, 2023.
- Participation in the CII-workshop on ‘Exploring National Communication Platform for Raising Nutrition and Healthy Lifestyle Awareness’ on October 3, 2023.
- Invited speaker on ‘Rethinking Food Systems: Nutrition, Sustainability, Food Security, and Consumer Behaviour’ at the Food Processing Summit 2023, New Delhi on August 21, 2023.
- Participated in the ‘Global Food Security Summit’ at New Delhi on August 8-9, 2023.
- Invited speaker for the webinar on ‘Rice Fortification: Nutritional Importance & Regulatory Framework’ organized by FICSI on July 28, 2023.
- Invited speaker for the Induction training program of FSSAI officers (NIPUN) organized at NTCFSS, Ghaziabad, on July 26, 2023.
- Participated in the ‘Global Food Regulators Summit 2023’ organized by the FSSAI, MoHFW, Government of India on July 20-21, 2023.
- Invited speaker for training on ‘Product Formulation for Healthier Choices’ to the food industry for CII Food and Agriculture Centre at FSSAI’s Eat Right India initiative campus on May 3, 2023.
- Participated in Global Dialogue on ‘Food Systems Transformation’ in New Delhi on April 20-21, 2023.

- Invited speaker for a panel discussion on ‘Vocal for Local Sustainable Food Systems and Relevance of Millets’ at ‘India Farm-2-Fork 2023: 8th International Conference cum Exhibition’ at Agribusiness & Food Processing Committee at PHDCCI on April 1, 2023.

Dr. Meenakshi Garg

- Resource person at technical session of two weeks residential training programme on Packaging Technology for Bhutanese participants under ITEC scheme of Ministry of External Affairs, Govt. of India at IIP Delhi on March 20, 2024.
- Participated in a one-day seminar on ‘Cracking the Quagmire of Protocol Development’ conducted by National Institute of Health and Family Welfare and Biostatistics Consortium at National Institute of Health and Family Welfare, New Delhi on March 16, 2024.
- Resource person for the one-day National Conference on ‘Emerging Technologies Focusing on Food Safety and Security’ organized by Department of Food Science and Technology in association with SAS Micro Enterprises, Chennai on March 13, 2024.
- Resource person at technical session of two weeks residential training programme on ‘Packaging Technology for Bhutanese Participants’ under ITEC scheme of Ministry of External Affairs, Govt. of India at IIP Delhi on February 27, 2024.
- Participated in workshop on ‘Interpretation of Instrumental Methods’ organized by Department of Chemistry and International Research Centre Satyabhama Institute of Science and Technology in association with CSIR-National Metallurgical Laboratory, CSIR Madras Complex at Chennai, Tamil Nadu, India on January 3-6, 2024.
- Attended an International Conference and workshop on ‘Twelve Principles of Green Chemistry and Un-Sdgs’ organized by Green Chemistry Network Centre, Hindu College, University of Delhi on November 9-10, 2023.
- Member, BOS of University School of Basic and Applied Sciences for M.Sc Packaging Technology, Guru Gobind Singh Indraprastha University, Delhi from November 7, 2023 for a period of two years.
- Consultant for Research and Development for Natturz Bio Kontrol Pvt Ltd. since August 2023.
- Reviewer of Phytochemistry Reviews Journal, Springer
- Coordinator and resource person of a National workshop on ‘Hands-on training to Increase the Shelf Life of Fruits and Vegetables by using Innovative Food Preservation and Packaging Technologies’ sponsored by SERB under the Accelerate Vigyan scheme of DST in the college from July 3-11, 2023.
- Participated in the one-day workshop for educators on ‘Ayurveda and Nutrition’ a value addition course for undergraduate program organized by Value Addition Committee and Sri Aurobindo College, University of Delhi on June 7, 2023.

Ms. Manisha Thakur

- Participated and deliberated upon establishing the guidelines for continuous assessment for the courses under the Theme ‘Food Technology’ in a two-day workshop on ‘Establishment of Modalities for Skill Enhancement Courses’ organized by Skill Enhancement Course Committee, University of Delhi, in Conference Centre, University of Delhi on March 4-5, 2024.
- Paper Presentation at International conference on ‘Hunger to hope: Building a sustainable Future through nutrition and Food Security’ organized by Centre for Environment and sustainable development, Jamia Hamdard on October 16, 2023.
- Poster presentation in the International Conference on ‘Emerging Technologies in Food Processing-III (ETFP-2023)’ organized by the Department of Food Processing Technology, Ghani Khan Choudhury Institute of Engineering and Technology, Malda, West Bengal during September 26-27, 2023.
- Resource person and organizing committee member at DST-SERB sponsored 7 days National workshop ‘Hands-on Training to Increase the Shelf Life of Fruits and Vegetables by using Innovative Food Preservation and Packaging Technologies’ at the college from July 3-11, 2023.
- Attended webinar on ‘India’s G20 Presidency: Goals and Prospects in Higher Education’ organized by Confianza-The Debate Club of the college on May 10, 2023.

Students Achievements

- Chhavi Porwal has been a recipient of ‘Italian Technical Award-2024’ for which carries a Silver Medal and a certificate, presented by All India Food Processors Association (AIFPA) at its 79th annual conference at Pragati Maidan, New Delhi held on March 11, 2024.
- Hari Kishor Kamma has been awarded with the PFNDAI-Dabur India Ltd., Merit-cum-Means Scholarship Mentorship for the Undergraduate Students of Food Science & Nutrition by Protein Foods & Nutrition Development Association of India for the year 2023.

DEPARTMENT OF HUMAN COMMUNICATION***Faculty Achievements*****Dr. Madhulika Bajpai**

- Attended a International webinar on ‘Teaching Personality Psychology’ organized by American Psychological Association held on January 31, 2024.
- Participated in a professional workshop on ‘Premenstrual Syndrome and Premenstrual Dysphoric Disorder: Concepts, Assessments & Management’ organized by Centre for

Mental Health & Behavioral Sciences (CMBS), Department of Psychiatry, Clinical Psychology & Neurosciences, Udaipur and RH hospital, Alwar held on December 10, 2023.

- Completed a two-week refresher with grade “A” organized by HRDC, Utkal University, on Educational Psychology conducted in a blended mode between December 4-17, 2023.
- Participated in Parent Child Relationships and Parenting organized by CMBS, Department of Psychiatry, Clinical Psychology & Neurosciences, Udaipur and RH hospital, Alwar held on December 3, 2023.
- Invited speaker ‘कार्यस्थल पर महिलाओं का यौन उत्पीड़न: आंतरिक शिकायत समिति की भूमिका: एक दिवसीय कार्यशाला’ organized by Sahatra Seema Bal, Head Quarters, R.K. Puram, New Delhi on August 4, 2023.
- Participated in the webinar ‘Cultivating a Positive Body Image’ organized by National Positive Psychology Association held on July 29, 2023.
- Participated in the webinar ‘Supercharge: Bolster Your Teams’ Morale/Spirits’ organized by American Psychological Association held on July 27, 2023.
- Participated in a five-day workshop on ‘Wellness and Life skills’ organized by Department of Humanities and Social Sciences, National Institute of Technology, Hamirpur (H.P.) held between July 10-14, 2023.
- Participated in the webinar ‘Mindfulness in Day-to-Day Life’ organized by Spero Counselling and Wellbeing Center held on July 7, 2023.
- Completed a five-day Faculty Development Program on ‘Perspectives of Workplace Dynamics and Management Recent Trends and Advancements’ organized by the Amity Institute of Psychology and Allied Sciences, Amity University, Kolkata held between July 3-7, 2023.
- Participated in an online workshop on ‘Therapy Skills’ organized by Cognis Mindcare held on July 6, 2023.
- Participated in 14th International Conference in online mode on ‘Intuition, Imagination, Innovation’ in Suicidology Conference organized by Slovene Centre for Suicide Research on May 23-24, 2023 to June 1, 2023.
- Invited Speaker in International workshop on ‘Women Leadership Workshop’ organized by All India Institute of Local Self-Government (AIILSG) and United Cities and Local Government Asia Pacific in New Delhi held on April 5, 2023.

DEPARTMENT OF INSTRUMENTATION

Activities by Department

- Conducted Parent Teacher Interaction Program on March 28, 2024. Dr. Jitender Kumar was the convener. Mr. Manoj Kumar, Ms Shweta Dua, Dr. Amandeep Kaur, Dr. Yagyadutta Goswami, Dr. Swati Sharma, Mr. Arun Kumar and Mr. Hariom Mauraya were faculty coordinators.
- Organized an ‘Expert lecture on Digital Marketing’ on February 12, 2024. Mr. Sachin, CEO Creative SEG, Alumni of Instrumentation Department 2022 batch was a resource person. Dr. Jitender Kumar was convener and Dr. Amandeep Kaur was coordinator.
- Organized a visit to ‘DUCAT’ in collaboration with the Department of Electronics Science on February 9, 2024. The conveners were Dr. Manoj Tiwari and Dr. Jitender Kumar. Dr. Swati Sharma was the faculty coordinator.
- Organized ‘Visit to ST Microelectronics’ on November 1, 2023. Dr. Jitender Kumar was convener and Mr. Manoj Kumar was coordinator.
- Organized a talk on ‘What’s Inside a Black Box and Quiz Competition’ in collaboration with the Department of Electronics Science of the college on October 13, 2023. Mr. Manish Kumar, Technical leader (ST Microelectronics Pvt Ltd, Noida) was resource person. Dr. Jitender Kumar was convener and Mr. Manoj Kumar was coordinator.
- Sensor society of the department organized a Freshers Party to welcome first year students on October 11, 2023.
- Department staff and students took the Swachhta pledge on October 10, 2023. Dr. Jitender Kumar was convener and Mr. Manoj Kumar was coordinator.
- Organized a visit to the National Physics Laboratory on October 4, 2023.
- Organized ‘Engineering Trivia’ on the occasion of Engineer’s Day on September 15, 2023. Dr. Jitender Kumar was convener and Dr. Swati Sharma and Dr. Amandeep Kaur were coordinators.

Faculty Achievements

Ms. Shweta Dua

- Participated in webinar on ‘India’s G20 Presidency: Goals and Prospects in Higher Education’ organized by Confianza-The Debate club of the college on March 13, 2024.
- Participated in Live Screening of Hon’ble Prime Minister Shri Narendra Modi Address: Inauguration of Projects on Semiconductor organized by the Department of Electronics Science of the college on March 13, 2024.

- Participated in the International conference on ‘Food Systems: A Sustainable approach to Health, Nutrition and Environment’ organized by Internal Quality Assurance Cell of the college on March 7, 2024.
- Participated in a lecture on ‘Research: Sustainability, Challenges and Opportunities’ organized by IQAC and Research Committee of the college on January 24, 2024.
- Completed 30 hours Short Term Certificate Course on ‘Relevance of Bhagavad Gita in Today’s Life’ organized by the college in association with Society for Applied Value Education (SAVE) on May 22-27, 2023.
- Participated in a workshop on ‘CPR & First Aid Training’ organized by Department of Physical Education of the college in collaboration with Ayushman Hospital and Health Services, on May 23, 2023.
- Completed Short Term Course on ‘Inclusion’ organized by Equal Opportunity Cell and Committee for Inclusive Education of the college in collaboration with Vision Divyang Foundation on May 19, 2023.
- Participated in a workshop for educators on ‘Ethics and Values in Ancient Indian Tradition’, a Value Addition Course (VAC) for undergraduate programmes, organized by Value Addition Courses Committee and Aryabhatta College, University of Delhi on May 10, 2023.

Mr. Manoj Kumar

- Participated in an oral presentation in 6th International Conference on ‘Recent Trends in Materials and Devices (ICRTMD-2023)’ organized by Amity Institute of Applied Sciences, Amity University, Uttar Pradesh, Noida from December 19-20, 2023.
- Participated in ‘Obesity Assessment Camp’ organized by the Department of Physical Education of the college on October 6, 2023.
- Participated in an online seminar on ‘Climate change’ organized by the G20 Committee of the college on May 25, 2023.
- Convener of 30 Hours Short Term Certificate Course on ‘Relevance of Bhagavad Gita in Today’s Life’ organized by the college in association with Society for Applied Value Education (SAVE) on May 22-27, 2023.
- Completed Short Term Course on ‘Inclusion’ organized by Equal Opportunity Cell and Committee for Inclusive Education of the college in collaboration with Vision Divyang Foundation on May 19, 2023.
- Participated in a webinar on ‘India’s G20 Presidency: Goals and Prospects in Higher Education’ organized by Confianza-The Debate Club of the college on May 10, 2023.

Dr. Amandeep Kaur

- Contributed as faculty coordinator in Live Screening of Hon'ble Prime Minister Shri Narendra Modi Address: Inauguration of Projects on Semiconductor organized by the Department of Electronics Science of the college on March 13, 2024.
- Attended lecture series on 'Advances in Antenna Development: Current Trends and Challenges' organized by the Department of Electronic Science, University of Delhi in collaboration with IEEE APS & CRFID Delhi Chapter on January 29, February 5 and February 7, 2024.
- Participated in a workshop on 'U75: Net Zero Workshop on Carbon Neutral Campus for Northern Region Universities/HEIs' organized by University of Delhi in collaboration with Green TERRE Foundation on November 7, 2023.
- Won second position in recreational race in Annual sports day 2023 organized by the college on April 6, 2023.

Students Achievements

- Subhrajyoti Dey and Roshni; Rohan Raj and Bhoomi Rokaya and Sandeep Kumar won first, second and third prize respectively in Best Out of Waste competition organized by Eco club of the college on March 7, 2024.

DEPARTMENT OF MATHEMATICS

Activities by Department

- Organized a 'Vedic Mathematics Quiz and Poster Making Competition' in collaboration with Bhaskaracharya Cell on March 14, 2024. Dr. Ragini Jindal and Dr. Sampat Singh were conveners.
- Organized a creative writing competition on 'India-The Land of Diversity' in collaboration with North East and Regional Inclusiveness Cell and Department of Botany of the college on February 27, 2024. The convener was Dr. Salam Sonia Devi, Prof. N.S. Abbas (TIC, Botany) and Dr. Ragini Jindal (TIC, Mathematics).
- Organized expert lecture on 'Role of Animation in Mathematics' on February 21, 2024. Dr. Jagmohan Rai, Associate Professor, PGDAV College, University of Delhi was a resource person. Dr. Ragini Jindal was the convener.
- Organized debate competition on 'Artificial Intelligence will Replace Human Intelligence' in collaboration with Debate Club of the college on February 15, 2024. Dr. Ragini Jindal and Dr. Bhavyadeep were conveners, and co-convener was Dr. Alivia Roy.

Faculty Achievements

Dr. Ragini Jindal

- Participated in the International Conference on 'Food Systems: A Sustainable Approach to Health, Nutrition and Environment' organized by IQAC of the college on March 7, 2024.
- Participated in the 'Open Mic Session' organized by the Department of Human Communication and Student Mentoring & Holistic Well-Being Committee of the college on February 23, 2024.
- Participated in an online five days National Workshop on 'Mathematical Modelling And Simulation' organized by the Department of Mathematics, Sri Guru Nanak Dev Khalsa College from February 13-17, 2024.
- Participated in a one-week online National Faculty Development Program organized by GAD-TLC, SGTB Khalsa College, University of Delhi under PMMMNMTT of Ministry of Education, from May 25-31, 2023.

Dr. Neeru Sharma

- Participated in an online workshop on 'Latex and R' organized by Atma Ram Sanatan Dharm College, University of Delhi, from October 20-22, 2023.
- Participated in online FDP on 'Differential Equations' organized by School of Advanced Sciences (SAS), Vellore Institute of Technology, Chennai from June 12-16, 2023.
- Participated in online one week FDP on 'E content Development' organized by TLC, Ramanujan College under the aegis of Ministry of Education (PMMMNMTT) on April 19-25, 2023.
- Participated in an online one-week FDP on 'Academic Administration' organized by TLC, Ramanujan College under the aegis of Ministry of Education (PMMMNMTT) on April 12-18, 2023.

DEPARTMENT OF MICROBIOLOGY***Activities by Department***

- Organized online 'Parent Teacher Meeting' on March 27, 2024. The coordinators were Dr. N Vijaya Kumar, Dr. Purnima Anand, Dr. Pawas Goswami, Dr. Ratyakshi, Dr. Neeru Bhagat, Dr. Catherine S Paul and Dr. Kamlesh Kant Nutan.
- Organized Shodh Vaarta: The Journal Club on the topic 'Optimization of Physical and Chemical Parameters for Pigment Production by *Penicillium* sp. for Development of Environmental Friendly Textile Dye' on March 6, 2024. The conveners were Dr. N Vijaya Kumar and Dr. Purnima Anand. The organizing team included Dr. Pawas Goswami, Dr. Ratyakshi, Dr. Neeru Bhagat, Dr. Catherine S. Paul and Dr. Kamlesh Kant Nutan. The

resource persons were Kumkum Kashyap (III year), Vanshika Yadav (III year), Anjasa Chetri (II year), Vidhi Chandra (II year), Udita Jain (II year).

- Organized an alumni interaction jointly with the alumni committee of our college on the topic titled ‘Revolutionizing Healthcare: The Role of Nanotechnology in Sensor Development’ by Archana, alumnus (batch 2016-19), as a resource person on March 4, 2024. The conveners were Dr. Purnima Anand and Dr. Ragini Jindal.
- Organized ‘Mushroom Awareness program’ on National Science Day on February 28, 2024. The conveners were Dr. Purnima Anand and Dr. Catherine S. Paul. The organizing member was Dr. Pawas Goswami.
- Organized several intercollege activities under MicroQuest 24. These include competitions such as streak art, painting, debate, meme, doodle, quiz, microcastle, escape room and scientific idea presentation from February 21-26, 2024. The conveners were Dr. N. Vijaya Kumar and Dr. Purnima Anand. The faculty coordinators were Dr. Pawas Goswami, Dr. Ratyakshi, Dr. Neeru Bhagat, Dr. Catherine S. Paul and Dr. Kamlesh Kant Nutan.
- Organized an expert talk on the topic ‘Comparative Analysis of Oral microbiota in Betel Quid Chewers and Non-chewers and its link to Oral Cancers: Prospecting Microbial Consortium for Therapeutic Effect’ by Prof. Prerna Diwan, Department of Microbiology, Ram Lal Anand college on February 26, 2024. The conveners were Dr. N. Vijaya Kumar and Dr. Purnima Anand. The organizing member was Dr. Pawas Goswami.
- Organized a pamphlet-making competition in collaboration with DNAmics Society on Cancer Awareness on February 19, 2024. The conveners were Dr. Catherine S Paul and Dr. Neha Singh. The coordinators were Dr. Purnima Anand and Dr. Shivani G Varmani.
- Organized a cancer awareness program in collaboration with the DNAmics Society, of the college at Manipal Hospital on the occasion of World Cancer Day on February 6, 2024. The conveners were coordinators of Sukshmjeev Society Dr. Purnima Anand and DNAmics Society Dr. Shivani G Varmani.
- Twenty-two students of the department visited AIIMS to attend a talk on topic ‘How We Sense Pain’ by Nobel Laureate David Julius as part of TNQ distinguished lectures in the life sciences on January 19, 2024.
- Conducted an orientation program for second year and first year on January 11, 2024 and January 10, 2024 respectively. The convener was Dr. N Vijaya Kumar, and organizing team included Dr. Purnima Anand, Dr. Pawas Goswami, Dr. Ratyakshi, Dr. Neeru Bhagat, and Dr. Catherine S Paul.
- Organized a workshop on ‘File Transfer Protocols’ by Dr. Bhavya Deep, Associate Professor, Department of Computer Science of our college on November 30, 2023. The conveners were Dr. N Vijaya Kumar and Dr. Purnima Anand.
- Organized virtual visit to see different parts of the fermenter in Yakult on November 16, 2023. The conveners were Dr. N Vijaya Kumar and Dr. Purnima Anand.

- Organized Shodh Vaarta-The Journal Club - ‘Unleashing the Potential of Novel Biofilm Producing *Bacillus* Isolate and Enhancing Student Research Outcomes: A Pedagogical Journey’ on November 9, 2023. The resource persons were Dr. Ruchi Gulati Marwah, Principal investigator (biofilm project) and Associate Professor of our department. The convener was Dr. Purnima Anand. The organizing team included Dr. N Vijaya Kumar, Dr. Pawas Goswami, Dr. Ratyakshi, Dr. Neeru Bhagat and Dr. Catherine S Paul.
- Organized a ‘Pamphlet-making Competition and Awareness program on Global Handwashing Day’ on October 22, 2023.
- Organized workshop on ‘Role of Intestinal Microbiota and Probiotics in Health and Disease’ on October 20, 2023. The resource person was Dr. Neerja Hajela, Head-Science and Regulatory Affairs, Yakult Danone India Pvt. Ltd. The conveners were Dr. Purnima Anand and Dr. N Vijaya Kumar. The organizing team included Dr. N Vijaya Kumar, Dr. Purnima Anand, Dr. Pawas Goswami, Dr. Ratyakshi, Dr. Neeru Bhagat, and Dr. Catherine S Paul.
- Organized fresher’s day to welcome first year students on October 11, 2023.
- Swachta Drive and Pledge on October 4 and 6, 2023. The organizing team included Dr. N Vijaya Kumar, Dr. Purnima Anand, Dr. Pawas Goswami, Dr. Ratyakshi, Dr. Neeru Bhagat, and Dr. Catherine S. Paul.
- Organized workshop on ‘Serodiagnosis’ in collaboration with and at Department of Microbiology, MDS University, Ajmer from September 18-23, 2023. The resource persons were Dr. Purnima Anand and Dr. Pawas Goswami.
- Celebrated Teacher’s Day on September 15, 2023.
- Organized an orientation session for newly admitted students of the college on August 16, 2023.
- Organized Hands-on training on ‘Aspects of Nanotechnology’ from August-September, 2023. The conveners of the event were Dr. N Vijaya Kumar and Dr. Ratyakshi. The co-conveners were Dr. Purnima Anand and Dr. Pawas Goswami. The organizing members included Dr. Gunjan Sirohi, Dr. Neeru Bhagat, and Dr. Catherine S Paul.
- Organized a workshop for the awareness of canteen staff’ on July 5, 2023. The convener was Dr. Pawas Goswami and Dr. Purnima Anand was the organising member. The resource persons were Ms. Simran and Mr. Madhu Ranjan Pathak.
- Parent Teacher’s meet on May 27, 2023.
- Organized a short-term course titled ‘Short Term Certificate Course on Path to Achieve Sustainable Development Goals & Making Sustainable Environment’ in collaboration with Lakshya Society for social and environmental development from May 22-26, 2023. The resource persons were Mr. Praveen Kumar Dubey (Executive Director, Lakshya), Mr. Pranay Kumar (Head Waste Management, Pashupati Group), Dr. Hishmi Jamil Husain

(Head Biodiversity, Corporate Sustainability at Tata Steel), Ms. Deepti Gumber Bhatnagar (Director (technical), Lakshya), Mr. Anumesh Kumar Chauhan (Asst. Teacher, Govt. Inter College, Amroha), Dr. Ajay Gupta (Scientist C, GB Pant National Institute of Himalayan Environment), Prof. Ashutosh Tripathi (Dept. of EVS, Nagaland University). Mr. Dhrubanarayan Mukherjee (DGM, CSR Cairn Oil and Gas). The convener was Dr. Catherine S Paul and the organizing members were Dr. Ratyakshi, Dr. Sampat Singh Chauhan, Dr. Alivia Roy. The organizing members from Lakshay were Mr. Suman Shekhar, Ms. Sanchita Deb Roy.

- Organized farewell for the outgoing batch on May 19, 2023.
- Organized an online ‘Alumni Meet and Interaction on Career Prospects in G20 Countries’ on April 1, 2023. The resource persons were the alumnus of our department Dr. Prateek Bhardwaj (Batch 2009-12, USA), Dr. Shefali Thakur (Batch 2010-13, UK), Mr. Anay Kumar Maurya (Batch 2011-14, Germany), Meetaksh Kamboj (Batch 2013-16, Australia), Damini Sharma (Batch 2013-16, Japan), and Puja Gupta (Batch 2015-18, UK). The conveners were Dr. Purnima Anand and Dr. Pawas Goswami. The alumni coordinator was Dr. Gunjan Sirohi. The faculty coordinators included Dr. N. Vijaya Kumar, Dr. Ratakshi, Dr. Neeru Bhagat, and Dr. Catherine S. Paul.

Faculty Achievements

Dr. N Vijaya Kumar

- Attended an International Conference on ‘Food Systems: A Sustainable Approach to Health, Nutrition and Environment’ organized by the Department of Food Technology of the college on March 7, 2024.
- Attended a one-day workshop on value-added course, ‘The Art of Being Happy’ organized by Value Addition Courses Committee and Daulat Ram College, University of Delhi on September 12, 2023.

Dr. Purnima Anand

- Coordinated International Conference on ‘Food Systems: A Sustainable Approach to Health, Nutrition and Environment’ organized by the Internal Quality Assurance Cell of the college on March 7, 2024.
- Thakran A, Bhagat N, Ratyakshi, Anand P, and Marwah RG (2024). Poster presentation titled ‘Exploring the Spectrum of Biotechnological Applications of a Robust Biofilm produced by a Novel Strain of *Bacillus paralicheniformis*’ in BioAvneshna 2024 - International conference on Frontiers in Basic Biology, Biotechnology, and Bioinformatics organized by Department of Biotechnology and Bioinformatics, School of Life Sciences, University of Hyderabad from February 15-18, 2024.

- Member of organizing committee of a five-day workshop on 'Start-up Modules on Connection Core Choices: Casualty and Community' organized by IQAC of the college from January 29-February 2, 2024.
- Gave an invited lecture on 'NIRF ranking: Understanding the Methodology and Parameters at Zakir Husain College, University of Delhi on November 8, 2023.
- Kumkum Kashyap, Vanshika Yadav, Catherine S Paul and Purnima Anand (2023). Presented poster on 'Optimization of Physical and Chemical Parameters for Pigment Production by *Penicillium* sp. for Development of Environment-friendly Textile Dye' in the World Environment Summit 2023 organized by Galgotias University, Greater Noida, UP jointly with Environment and Social Development Association (ESDA), Delhi, Galgotias University, Yamuna Expressway, Greater Noida, Dr. B.R. Ambedkar College, DU, CSIR-NEET, Zoological Survey of India, Kolkata, Tribhuvan University, Kathmandu, Nepal, Villa College, Maldives, Zoological Society of Bangladesh held from November 4-6, 2023.
- Shivi Nahare, Nabin Katwal, Priya Sharma, Abhimann Thakran, Jyotsana Bidaliya, Kaushik Poddar, Purnima Anand, Ratyakshi, Neeru Bhagat, and Ruchi Gulati Marwah (2023). Poster presentation entitled 'Exploring the Bioremediation Potential of a Robust Biofilm of *Bacillus paralicheniformis* bcasdu 2018/01 through Biosorption of Toxic Dyes' in the World Environment Summit 2023 organized by Galgotias University, Greater Noida, UP jointly with Environment and Social Development Association (ESDA), Delhi, Galgotias University, Yamuna Expressway, Greater Noida, Dr. B.R. Ambedkar College, DU, CSIR-NEET, Zoological Survey of India, Kolkata, Tribhuvan University, Kathmandu, Nepal, Villa College, Maldives, Zoological Society of Bangladesh from November 4-6, 2023.
- Priya Sharma, Abhimann Thakran, Jyotsana Bidaliya, Kaushik Poddar, Purnima Anand, Ratyakshi, Dr. Neeru Bhagat, and Dr. Ruchi Gulati Marwah. (2023). Poster presentation on 'Investigating the Biotechnological Applications of a Highly Robust Biofilm produced by a Novel Strain of *Bacillus paralicheniformis* bcasdu2018/01 for Removal of Toxic Dyes' in National Seminar cum MBSI meet on Expanding the Horizons of Microbiology organized at St. Xavier's College, Goa from October 6-7, 2023.
- Team Leader for Calendar Making Competition organized by Microbiology Society of India in 2023. The team got the consolation-first prize.
- Participated as coordinator and resource persons in workshop on 'Serodiagnosis' organized under the 'Bioskill & Bioenterprise Initiative' and 'Coenose Hand Holding Program' at Maharshi Dayanand Saraswati University, Ajmer on September 18, 2023.
- Completed one-week National Faculty Development jointly organized by University of Delhi (Department of Botany and SEC Committee); Swami Shraddhanand College, University of Delhi; Shaheed Rajguru College of Applied Sciences for Women, University of Delhi; Chaudhary Charan Singh Hisar Agricultural University (CCS HAU), Hisar 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 (PMMNMNTT) of Ministry of Education from August 7-13, 2023.

- Participated in a workshop on ‘Know Your Soil’ organized by the Department of Botany of the college on April 22, 2023.

Dr. Pawas Goswami

- Participated in an International Conference on ‘Food Systems: A Sustainable Approach to Health, Nutrition and Environment’ organized by IQAC of the college on March 7, 2024.
- Participated in a workshop on ‘Serodiagnosis’ in collaboration with the Department of Microbiology, MDS University, Ajmer from September 18-23, 2023 as resource person. The workshop was organized under MoU between the college and the Department of Microbiology, MDS University, Ajmer.

Dr. Ratyakshi

- Thakran A, Bhagat N, Ratyakshi, Anand P, and Marwah RG (2024). Poster presentation titled ‘Exploring the Spectrum of Biotechnological Applications of a Robust Biofilm produced by a Novel Strain of *Bacillus paralicheniformis*’ in BioAvneshna 2024 - International conference on Frontiers in Basic Biology, Biotechnology, and Bioinformatics organized by Department of Biotechnology and Bioinformatics, School of Life Sciences, University of Hyderabad from February 15-18, 2024.
- Participated in National Workshop on ‘Indian Knowledge Systems: Concepts & Applications’ organized by School of Management, NIT Rourkela in association with Department of Humanities and Social Sciences and Department of Mining Engineering, NIT Rourkela from November 6-12, 2023.
- Shivi Nahare, Nabin Katwal, Priya Sharma, Abhimann Thakran, Jyotsana Bidaliya, Kaushik Poddar, Purnima Anand, Ratyakshi, Neeru Bhagat, and Ruchi Gulati Marwah (2023). Poster presentation entitled ‘Exploring the Bioremediation Potential of a Robust Biofilm of *Bacillus paralicheniformis* bcasdu 2018/01 through Biosorption of Toxic Dyes’ in the World Environment Summit 2023 organized by Galgotias University, Greater Noida, UP jointly with Environment and Social Development Association (ESDA), Delhi, Galgotias University, Yamuna Expressway, Greater Noida, Dr. B.R. Ambedkar College, DU, CSIR-NEET, Zoological Survey of India, Kolkata, Tribhuvan University, Kathmandu, Nepal, Villa College, Maldives, Zoological Society of Bangladesh from November 4-6, 2023.
- Priya Sharma, Abhimann Thakran, Jyotsana Bidaliya, Kaushik Poddar, Purnima Anand, Ratyakshi, Neeru Bhagat, and Ruchi Gulati Marwah. (2023). Poster presentation on ‘Investigating the Biotechnological Applications of a Highly Robust Biofilm produced by a Novel Strain of *Bacillus paralicheniformis* bcasdu2018/01 for Removal of Toxic Dyes’

in National Seminar cum MBSI meet on Expanding the Horizons of Microbiology organized at St. Xavier's College, Goa from October 6-7, 2023.

Dr. Gunjan Sirohi

- Awarded appreciation certificate as Faculty coordinator (SPOC) by Blue Planet, Blue Nudge and Delhi Research Implementation and Innovation (DRIIV) on July 18, 2023.

Dr. Neeru Bhagat

- Attended an International Conference on 'Food Systems: A Sustainable Approach to Health, Nutrition and Environment' organized by the Department of Food Technology of the college on March 7, 2024.
- Thakran A, Bhagat N, Ratyakshi, Anand P, and Marwah RG (2024). Poster presentation titled 'Exploring the Spectrum of Biotechnological Applications of a Robust Biofilm produced by a Novel Strain of *Bacillus paralicheniformis*' in BioAvneshna 2024 - International conference on Frontiers in Basic Biology, Biotechnology, and Bioinformatics organized by Department of Biotechnology and Bioinformatics, School of Life Sciences, University of Hyderabad from February 15-18, 2024.
- Shivi Nahare, Nabin Katwal, Priya Sharma, Abhimann Thakran, Jyotsana Bidaliya, Kaushik Poddar, Purnima Anand, Ratyakshi, Neeru Bhagat, and Ruchi Gulati Marwah (2023). Poster presentation entitled 'Exploring the Bioremediation Potential of a Robust Biofilm of *Bacillus paralicheniformis* bcasdu 2018/01 through Biosorption of Toxic Dyes' in the World Environment Summit 2023 organized by Galgotias University, Greater Noida, UP jointly with Environment and Social Development Association (ESDA), Delhi, Galgotias University, Yamuna Expressway, Greater Noida, Dr. B.R. Ambedkar College, DU, CSIR-NEET, Zoological Survey of India, Kolkata, Tribhuvan University, Kathmandu, Nepal, Villa College, Maldives, Zoological Society of Bangladesh from November 4-6, 2023.
- Priya Sharma, Abhimann Thakran, Jyotsana Bidaliya, Kaushik Poddar, Purnima Anand, Ratyakshi, Neeru Bhagat, and Ruchi Gulati Marwah. (2023). Poster presentation on 'Investigating the Biotechnological Applications of a Highly Robust Biofilm produced by a Novel Strain of *Bacillus paralicheniformis* bcasdu2018/01 for Removal of Toxic Dyes' in National Seminar cum MBSI meet on Expanding the Horizons of Microbiology organized at St. Xavier's College, Goa from October 6-7, 2023.
- Attended a lecture on 'Liver Health: An Awareness Program' organized by the Students Advisory Committee of the college on May 10, 2023.

Dr. Catherine S Paul

- Successfully uploaded a selfie, an initiative by the Ministry of Culture to Mark Azadi ka Amrit Mahotsav.
- Kumkum Kashyap, Vanshika Yadav, Catherine S. Paul and Purnima Anand (2023). Presented poster on 'Optimization of Physical and Chemical Parameters for Pigment Production by *Penicillium* sp. for Development of Environment-friendly Textile Dye' in the World Environment Summit 2023 organized by Galgotias University, Greater Noida, UP jointly with Environment and Social Development Association (ESDA), Delhi, Galgotias University, Yamuna Expressway, Greater Noida, Dr. B.R. Ambedkar College, DU, CSIR-NEET, Zoological Survey of India, Kolkata, Tribhuvan University, Kathmandu, Nepal, Villa College, Maldives, Zoological Society of Bangladesh held from November 4-6, 2023.
- Participated in the popular invited lecture organized by the Phytomics: The Botanical society of the college on October 20, 2023.
- Attended the virtual workshop on 'Role of Intestinal Microbiota and Probiotics in Health and Disease' organized by Sukshmjeev Society, Department of Microbiology of the college on October 20, 2023.
- Participated in the online workshop an awareness programme on 'Know Your Soil' organized by the Phytomics: The Botanical Society of the college held on April 22, 2023.
- Attended the lecture 'G20-Youth Empowerment and Strengthening: Awareness about various Scholarship Schemes and Policies' organized by SC/ST cell of the college on April 12, 2023.

Students Achievements

- Jyotsana Bidaliya was selected as the best student in the Department of Microbiology of our college by MBSI
- Jyotsana Bidaliya and Kaushik Poddar Best students of the college for the academic session 2022-23 in the female category.
- Shivi Nahare got a project sanctioned on the topic 'Antimicrobial Biocomposite Gel prepared through Green Synthesis of Silver Nanoparticles' received 12 lakh rupee funding under MSME hackathon 3.0.
- Tanuja Chauhan won third position during an awareness program about anti-smoking and harmful effects of tobacco organized by our college in collaboration with Integrated District Health Society, Dwarka on February 27, 2024.
- Nabin Katwal won first prize at the Scientific Idea presentation competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 26, 2024.

- Shivi Nahare won first prize at the Scientific Idea presentation competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 26, 2024.
- Riya won third prize at the Scientific Idea presentation competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 26, 2024.
- Ayush Aggarwal won third prize at the Scientific Idea presentation competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 26, 2024
- Madhurima Maitra won second prize in the Quiz competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 26, 2024
- Prajakta Srivastava won second prize in the Quiz competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 26, 2024
- Anjali Chaurasia won third prize in the Quiz competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 26, 2024
- Rajdeep Das won third prize in the Quiz competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 26, 2024
- Udita Jain won third prize in the Microcastle held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 26, 2024.
- Megha Sapra won third prize in the Meme competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 26, 2024
- Puja Kumari won second prize in the Streak Art competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 21, 2024
- Khusboo Bhanot won third prize in the Streak Art competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 21, 2024.
- Madhurima Maitra won first prize in the Brushless painting competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 21, 2024.
- Swetlata won second prize in the Brushless painting competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 21, 2024.
- Ishika Singh won third prize in the Brushless painting competition held by Sukshmjeev Society, Department of Microbiology on the occasion of Microquest 2024 on February 21, 2024.

- Kajal Pandey won the first prize in the Quiz Competition on the theme 'Gene Therapy' organized by Mikrobiologika, Department of Microbiology, Ram Lal Anand College under Mikrovitae' 24 held on February 16, 2024.
- Shashwat S Nair won the first prize in the Quiz Competition on the theme 'Gene Therapy' organized by Mikrobiologika, Department of Microbiology, Ram Lal Anand College under Mikrovitae' 24 held on February 16, 2024.
- Madhurima won the first prize in the Quiz Competition on the theme 'Gene Therapy' organized by Mikrobiologika, Department of Microbiology, Ram Lal Anand College under Mikrovitae' 24 held on February 16, 2024.
- Riya won first prize in the turncoat debate competition organized by Mikrobiologika, Department of Microbiology, Ram Lal Anand College under Mikrovitae' 24 held on February 16, 2024.
- Kuntak Saha won second prize in 22nd National Level Microbiolympiad MicrobioPodium: National Level Scientific Theme Presentation organized by the Department of Microbiology, Government Institute of Science, Chhatrapati Sambhajinagar held on February 4, 2024.
- Riya Chauhan won fifth prize in 22nd National Level Microbiolympiad MicrobioPodium: National Level Scientific Theme Presentation organized by the Department of Microbiology, Government Institute of Science, Chhatrapati Sambhajinagar held on February 4, 2024.
- Kuntak Saha won best poster award in Poster Making Competition held on World AIDS Awareness Day held by Red Ribbon Club, of the college on January 24, 2024.
- Mongia, Geeta, Aarti Malyan, Nitish and **Riya Chauhan**. Poster presentation entitled 'Enhancing Bio-Electricity Generation through amalgamation of biofilms and Microbial Fuel Cell Technology- A Green Energy Initiative' at 9th India International Science Festival (IISF) 2023 Young Scientist Conference organized by Government of India's Ministry of Science and Technology, Ministry of Earth Sciences, Department of Space, Department of Atomic Energy, and Government of Haryana in association with Vinana Bharati (VIBHA) from January 17-20, 2024. The poster secured best poster rank.
- Riya won second prize in poster presentation in Microblaze'23-24 - the annual technical fest organized by Department of Microbiology, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on November 8, 2023.
- Kuntak Saha won second prize in poster presentation in Microblaze'23-24 - the annual technical fest organized by Department of Microbiology, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on November 8, 2023.
- Ayush Aggarwal won third prize in debate competition in Microblaze'23-24 - the annual technical fest organized by Department of Microbiology, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on November 8, 2023.

- Samujjal Acharyya won first prize in the poster presentation in Microblaze'23-24 - the annual technical fest organized by Department of Microbiology, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on November 8, 2023.
- Inshah won first prize in the poster presentation in Microblaze'23-24 - the annual technical fest organized by Department of Microbiology, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on November 8, 2023.
- Shivi Nahare and Nabin Katwal presented a poster entitled 'Exploring the bioremediation potential of a robust biofilm of *Bacillus paralicheniformis* bcasdu 2018/01 through biosorption of toxic dyes' in the World Environment Summit 2023 organized by Galgotias University, Greater Noida, UP jointly with Environment and Social Development Association (ESDA), Delhi, Galgotias University, Yamuna Expressway, Greater Noida, Dr. B.R. Ambedkar College, DU, CSIR-NEET, Zoological Survey of India, Kolkata, Tribhuvan University, Kathmandu, Nepal, Villa College, Maldives, Zoological Society of Bangladesh from November 4-6, 2023. The poster was awarded as the best poster.
- Kumkum Kashyap and Vanshika Yadav presented the poster 'Optimization of physical and chemical parameters for pigment production by *Penicillium* sp. for development of environmental friendly textile dye' in the World Environment Summit 2023 organized by Galgotias University, Greater Noida, UP jointly with Environment and Social Development Association (ESDA), Delhi, Galgotias University, Yamuna Expressway, Greater Noida, Dr. B.R. Ambedkar College, DU, CSIR-NEET, Zoological Survey of India, Kolkata, Tribhuvan University, Kathmandu, Nepal, Villa College, Maldives, Zoological Society of Bangladesh from November 4-6, 2023.
- Riya won first prize in the poster presentation competition in Microfiesta held by the Department of Microbiology, Institute of Home Economics, University of Delhi on November 2, 2023.
- Kuntak Saha won first prize in the poster presentation competition in Microfiesta held by Department of Microbiology, Institute of Home Economics, University of Delhi on November 2, 2023.
- Kuntak Saha won first prize in doodle making competition in Microfiesta organized by Department of Microbiology, Institute of Home Economics, University of Delhi on November 2, 2023.
- Rajdeep Das won second prize in poster-making competition as part of academic festival Microfiesta'23 organized by Department of Microbiology, Institute of Home Economics, University of Delhi on November 2, 2023.
- Anjali Chaurasia won second prize in a poster-making competition as part of academic festival Microfiesta'23 organized by the Department of Microbiology, Institute of Home Economics, University of Delhi on November 2, 2023.

- Anjasa won third prize in the pamphlet-making competition on the occasion of Global Handwashing Day on October 22, 2023.
- Pranjal won second prize in the pamphlet-making competition on the occasion of Global Handwashing Day on October 22, 2023.
- Megha Sapra won first prize in the pamphlet-making competition on the occasion of Global Handwashing Day on October 22, 2023.
- Pragya Kumar won first prize in poster presentation in National workshop on 'Raising Awareness on Urban Air Quality, Climate Change, Health and e-resilience' sponsored by Department of Science and Technology, Government of India and organized by Environmental Pollution Laboratory, Department of Environmental Studies, University of Delhi along with Department of Zoology, of our college on October 10, 2023.
- Kuntak Saha won first prize in poster presentation in National workshop on 'Raising Awareness on Urban Air Quality, Climate Change, Health and E-resilience' sponsored by Department of Science and Technology, Government of India and organized by Environmental Pollution Laboratory, Department of Environmental Studies, University of Delhi along with Department of Zoology, of our college on October 10, 2023.
- Arti Kumari won first prize in reel competition in the National workshop on 'Raising Awareness on Urban Air Quality, Climate Change, Health and e-resilience' sponsored by Department of Science and Technology, Government of India and organized by Environmental Pollution Laboratory, Department of Environmental Studies, University of Delhi along with Department of Zoology, of our college on October 10, 2023.
- Prajakta won third position in the Poster making competition Academic and Cultural Program 'Celebrating Indo-French relations in the wake of India's G20 Presidency' organized by our college in collaboration with Shivaji College and Shyama Prasad Mukherji college and funded by Culture Council, University of Delhi held on September 26, 2023.
- Vidhi Chandra won second position in poster poster-making competition Academic and Cultural Program 'Celebrating Indo-French relations in the wake of India's G-20 Presidency' organized by the college on September 26, 2023.
- Tanuja Chauhan won second prize in Monologue/Monoact competition on theme Anti-ragging organized by the Darpan - Dramatics club in association with the film club - Film Odyssey of the college on August 29, 2023.
- Madhurima secured first position in Painting and Drawing competition in Kalanjali-A Celebration of Scientists & Scientific Institutions who Contributed in India's Freedom Struggle held on July 22-23, 2023 & July 29-30, 2023 under the aegis of Azadi Ka Amrit Mahotsav organized by Vijnana Bharati and Ministry of Culture, Government of India.

- Shivi Nahare was awarded as the first prize in her short-term course on ‘Basic and Molecular Virology’ at Department of Microbiology (Virology Unit), Vallabhbhai Patel Chest Institute (VPCI), University of Delhi from June 5-July 5, 2023.
- Tanmay won third prize in the Just-a-Minute competition on ‘Emerging Microbes a Threat to Humans’ held during the Symposium on Current Trends in Microbiology jointly organized by the Department of Microbiology, Microbiologists Society, India, and Vigyan Pratibha Initiative on April 18, 2023.
- Vidhi Chandra won first position in Musical Palette organized by Akriti- The Modern and Fine Arts Club of the college during Srijan 23 on April 13, 2023.
- Arti Kumari won first position in Musical Palette organized by Akriti- The Modern and Fine Arts Club of the college during Srijan 23 on April 13, 2023.
- Nandini won second position in Make a Fit in Techsurge and Mridang organized by Maharaja Agrasen Institute of Technology on April 6, 2023.
- Vidhi Chandra won second position in Make a Fit in Techsurge and Mridang organized by Maharaja Agrasen Institute of Technology on April 6, 2023.
- Rakshika Koul won second position in Make a Fit in Techsurge and Mridang organized by Maharaja Agrasen Institute of Technology on April 6, 2023.
- Kuntak Saha was awarded with a recognition certificate as Best Student of Department of Microbiology of our college by Microbiologists Society, India for academic session 2022-23.

DEPARTMENT OF PHYSICS

Activities by Department

- Organized an online parent teacher interaction session on March 28, 2024. The convener of this session was Dr. Sandeep Kumar and all the faculty members of the department were the coordinators.
- Organized a visit to IUAC, on National Science Day February 28, 2024. Dr. Herendra Kumar was the coordinator of the program. Our students participated in the activities organized by IUAC.
- Physics society ‘Qubit’ organized the Physics Annual Fest ‘Episteme’ on February 23, 2024 which was a blend of various academic and fun activities. Dr. Sandeep Kumar was the convener.
- Organized a wellness camp and financial planning in collaboration with the Department of Physical education and ICICI bank under corporate social responsibility on February 14,

2024. Dr. Sandeep Kumar was the convener and Dr. Herender Kumar was the coordinator of the event.

- Qubit organized an online awareness workshop ‘Path to Scientific Research’ in association with WeMR (We Mentor Research) a skill foundation initiative and in collaboration with the Career Counseling Cell of the college on November 2, 2023. Dr. Mamta Aggarwal, Department of Physics, University of Mumbai and Dr. Satyanarayana Bheesette, Department of High Energy Physics, Tata Institute of Fundamental Research were the speakers. The workshop was coordinated by Dr. Sandeep Kumar.
- Organized freshers party to welcome the students of first year on October 11, 2023. Dr. Sandeep Kumar was the convener.
- Organized an educational trip to CSIR-NPL on open day October 4, 2023. Dr. Sandeep Kumar was the convener and Dr. Herender Kumar was the coordinator of the visit.
- Organized a field trip to Amrit Udyaan at Rashtrapati Bhawan for the students on September, 13, 2023. The convener was Dr. Sandeep Kumar.
- Organized farewell party to bid adieu to the final year students on May 6, 2023. The event was convened by Dr. Sandeep Kumar.

Faculty Achievements

Dr. Vandana Batra

- Completed the 30 hours Short Term Certificate Course on ‘Relevance of Bhagavad Gita In Today’s Life’ in association with Society for Applied Value Education (SAVE) held during May 22- 27, 2023

Dr. Meetu Luthra

- Invited Speaker for a lecture on ‘Semiconductors in Everyday Life’ organized by the Science society and Department of Education, Aditi Mahavidyalaya on the occasion of live streaming of the inauguration of semiconductors projects by the Honorable Prime Minister on March 13, 2024.
- Attended the five-day workshop on ‘Start-Up Modules on Connection -Core- Choices - Causality and Community’ organized by IQAC of the college from January 29-February 2, 2024.
- Participated in the online Summer School ‘Exploring Computational Thinking’ organized by IAPT RC12A from May 29- June 10, 2023.
- Completed the 30 Hours Short Term Certificate Course on ‘Relevance of Bhagavad Gita in Today’s Life’ in association with Society for Applied Value Education (SAVE) held during May 22- 27, 2023.

Dr. Herendra Kumar

- Participated in a one-week National level Faculty Development Program on cloud infrastructure (AWS) organized by Annamacharya Institute of Technology and Sciences, Kadapa and All India Council for Technical Education from August 21- 25, 2023.
- Completed online-self paced Faculty Development Program on ‘Advanced Python Programming for All’ organized by ARSD college, University of Delhi from October 9-15, 2023.
- Participated in the workshop ‘Introduction to Cyber Security’ organized by Digitization & Automation Committee and Website Committee of the college on August 11, 2023.
- Attended a lecture on ‘G20-Youth Empowerment and Strengthening: Awareness about various scholarship Schemes and Policies’ organized by the SC/ST cell of the college on April 12, 2023.

Students Achievements

- Anand ranked amongst top 25 students in the National Graduate Physics test 2024 organized by Indian Association of Physics Teachers.
- Pallavi of third year completed an internship program on Fine arts organized by Rashtriya Kala Manch, Lalit Kala Akademy, New Delhi and Indira Gandhi National Center for the Arts during October 13-23, 2023.

DEPARTMENT OF POLYMER SCIENCE***Activities by Department***

- Organized Parent Teacher Meeting on March 28, 2024. The faculty coordinators were Prof. Sidhharth Sirohi, Dr. Susmita Dey Sadhu, Dr. Krishna Dutt, Dr. Umesh Kumar, Dr. Anoop Kumar Saini, Dr. Anil Barak, Dr. Tripti, and Dr. Saiyam Dobhal.
- Organized an educational trip to the Indian Institute of Packaging (IIP), Delhi on March 13, 2024. The coordinator was Dr. Meenakshi Garg and Dr. Anil Barak.
- Organized Annual Departmental Fest ‘TRINEXUS’ on March 7, 2024. Trinexus’24, the departmental fest organized by the collaboration of three departments i.e. Food Technology, Biomedical Science, and Polymer Science. The events included ‘Tech talk: Polymer Science’, Treasure hunt, balloon Dart, sack race and Mr & Mrs Trinexus. The department organized a panel discussion and the expert panelists were Dr. Sudha Joshi, Company polymer testing analyst, Narang metallurgy and spedro services, Delhi, Prof. Sampa Saha, Associate professor at Department of metallurgical science and engineering, IIT, Delhi. The departmental coordinator was Dr. Saroj Kumar Shukla.

- Organized polymer-based exhibition ‘Plastfocus 2024’ on February 2, 2024. The coordinators were Dr. Krishna Dutt, Dr. Umesh Kumar, and Dr. Anil Barak.
- Organized orientation program for department students on January 10, 2024. The coordinators were Dr. S K Shukla, Dr. Umesh Kumar, Dr. Anoop Saini and Dr. Krishna Dutt.
- Organized a talk on ‘Fluoropolymers: Low dielectric Materials for Potential Applications’ on November 16, 2023. The resource person was Dr. Babloo Sharma, Product Scientist, 3M, USA. The convener was Dr. S K Shukla and the coordinators were Prof. Sidhharth Sirohi, Dr. Susmita Dey Sadhu, Dr. Krishna Dutt, Dr. Umesh Kumar, Dr. Anoop Kumar Saini, and Dr. Anil Barak.
- Organized a Diwali celebration on November 8, 2023. The convener was Dr. S. K. Shukla.
- Organized an academic visit to the University Science Instrumentation Centre (USIC), North Campus, University of Delhi on October 25, 2023. The coordinator was Dr. S. K. Shukla.
- Organized Swachhata Drive on October 12, 2023. The convener was Dr. S. K. Shukla and organizing team included Prof. Sidhharth Sirohi, Dr. Susmita Dey Sadhu, Dr. Krishna Dutt, Dr. Prem Lata Meena, Dr. Anoop Kumar Saini, Dr. Umesh Kumar and Dr. Anil Barak.
- Organized Freshers’ party on October 11, 2023. The convener was Dr. S. K. Shukla.
- Organized Teachers’ day celebration on September 5, 2023. The convener was Dr. S. K. Shukla.
- Organized orientation program for first year students on August 16, 2023.
- Organized Parent Teacher Meeting on May 27, 2023. The convener was Dr. S. K. Shukla and organizing team included Prof. Sidhharth Sirohi, Dr. Susmita Dey Sadhu, Dr. Krishna Dutt, Dr. Anoop Kumar Saini, Dr. Umesh Kumar and Dr. Anil Barak.
- Organized an academic visit to the Department of Textile and Fibre Engineering, IIT Delhi on April 21, 2023. The convener was Prof. Sidhharth Sirohi and organizing team included Dr. Krishna Dutt, Dr. Anil Barak and Dr. Prem Lata Meena.
- Organized 'Farewell 2k23' on April 19, 2023. The convener was Dr. S. K. Shukla and organizing team included Prof. Sidhharth Sirohi, Dr. Susmita Dey Sadhu, Dr. Krishna Dutt, Dr. Prem Lata Meena, Dr. Anoop Kumar Saini, Dr. Umesh Kumar and Dr. Anil Barak.

Faculty Achievements

Dr. Saroj Kr. Shukla

- Delivered invited talk in International Conference on ‘Himalayan Environment in Changing Climate Scenario’ at University of Ladakh, Leh on September 19-23, 2023.

Dr. Susmita Dey Sadhu

- Delivered an Invited Lecture in online mode at the International Conference ICRTMD 2023 on ‘Preparation and Characterization of NBR based Composite of Polythiophene and Modified Carbon Black’ on December 31, 2023 organized by Research Plateau Publishers in association with Sat Kabir Institute of Technology & Management, Bahadurgarh, Haryana, India from December 29-31, 2023.
- Oral presentation on ‘Preparation and characterization of NBR based Composite of Polythiophene and Modified Carbon Black’, PPS 23, Kovalam, Kerala, November 29-December 2, 2023.
- Delivered lecture of ‘Innovative and Sustainable Packaging of Fruits and Vegetables’ in the one-week program on ‘Hands-on Training on Increasing the Shelf-life Fruits and Vegetables by using Innovative Food Preservation and Packaging Technologies’ held from July 3-11, 2023.
- Completed online one-week Faculty Development Programme on ‘National Education Policy-2020 Challenges & Opportunities’ from June 25- July 1, 2023.
- Delivered invited lecture in online mode for FIPS on ‘Characteristics of Different Barrier Materials to Enhance the Shelf life of FMCG’ on May 20, 2023.
- Supervisor to M.Sc. student research project entitled ‘Preparation and Characterisation Studies of Inter Penetrating Network of Natural Rubber And Polystyrene’ (2023)

Dr. Anil Barak

- Attended an International Conference on ‘Food Systems: A Sustainable Approach to Health, Nutrition and Environment’ organized by IQAC of the college on March 7, 2024.
- Attended five-day workshop on ‘Start-Up Modules on Connection -Core- Choices - Causality and Community’ organized by IQAC of the college from January 29-February 2, 2024.
- Attended a program ‘Research: Sustainability, Challenges and Opportunities’ organized by IQAC and Research and Project Assessment Committee of the college on January 24, 2024.
- Member of the organizing committee of the 7-Days National workshop on ‘Hands-on training to Increase the Shelf Life of Fruits and Vegetables by using Innovative Food Preservation and Packaging technologies’ organized at college from July 3-11, 2023.

DEPARTMENT OF ZOOLOGY

Activities by Department

- Organized a Parents teacher meet (PTM) on March 27, 2024. The convener was Prof. Siddharth Sirohi.
- Organized a visit to CIIDRET and CIF of University of Delhi, South Campus on March 13, 2024. The conveners were Prof Siddharth Sirohi, Dr. Alivia Roy, and Dr. Anjali Saxena.
- Organized a ‘Visit to Bharat-Tex Expo 2024’ on February 28, 2024. The convener was Prof. Siddharth Sirohi.
- Organized a ‘Visit to Zoological National Park’ on February 21, 2024. The convener was Prof Siddharth Sirohi.
- Organized ‘Annual Zoological Fest Zoosangam 2024’ on February 8-9, 2024. The various events were talk on ‘My Scientific Contributions towards Malaria Elimination Goal’ by Prof. Shailja Singh, Jawaharlal Nehru University, New Delhi, talk by Mr. Beni Kinha from Nectar Factor Foundation on Road to success, while other events were Brain racker (Quiz), Play-N-Slay, Treasure Hunt. The convener was Prof. Siddharth Sirohi.
- Organized a play ‘Sankshipt Ramayan@ Zoology 2023’ on November 11, 2023. The convener was Dr. Anjali Saxena.
- Organized a National workshop on ‘Raising Awareness on Urban Air Quality, Climate Change, Health and E-resilience’ on October 10, 2023. The convener was Prof. Siddharth Sirohi. The coordinator was Dr. Satyam R. Dwivedi.
- Organized ‘Visit to ICMR-National Institute of Pathology, New Delhi’ on October 6, 2023. The conveners were Mr. Gulshan Yadav, Dr. Palle Shree, Dr. Laljee Ram Meena, and Dr. Satyam R. Dwivedi.
- Organized a seminar on ‘International Education Reimagined’ on September 29, 2023. The resource person was Mr. Abhay Tiwari, and Ms. Neha Tiwari, from Overseas Education Industry.
- Organized a ‘Visit to Indian Agricultural Research Institute (IARI), Division of Entomology, Pusa, New Delhi’ on September 25, 2023. The conveners were Dr. Laljee Ram Meena, Dr. Palle Shree, and Dr. Neha Vimal.
- Organized a workshop on ‘Hands-on workshop on Principles and Technique of Microtomy’ on June 28, 2023. The resource person was Prof. Anita Kamra Verma,

Department of Zoology, Kirori Mal College, University of Delhi. The convener was Prof. Siddharth Sirohi. The coordinator was Dr. Satyam Ravi Dwivedi.

- Organized a webinar on 'Insect Diversity and their Importance in our Ecosystem' on May 23, 2023. The resource person was Prof. Mallikarjun Shakarad, Department of Zoology University of Delhi. The convener was Prof. Siddharth Sirohi.
- Organized a poster making competition on 'Save Bees Save Planet' on May 20, 2023. The convener was Prof. Siddharth Sirohi. The coordinators were Dr. Satyam Ravi Dwivedi, and Dr. Palle Shree.
- Organized a seminar on 'Microbial Diversity for Sustainable Development' on May 5, 2023. The resource person was Dr. Binoy T. Thomas, Department of Botany, M.G. University Kottayam, Kerala. The convener was Prof. Siddharth Sirohi.
- Organized a 'युग्मः: Alumni Meet 2023 @ Zoology' on April 19, 2023. The convener was Prof. Siddharth Sirohi.
- Organized a 'AU REVOIR' Farewell Party@ Zoology 2023 on April 19, 2023.

Faculty Achievements

Dr. Alivia Roy

- Attended an International Conference on 'Food Systems: A Sustainable Approach to Health, Nutrition and Environment' organized by the Internal Quality Assurance Cell of the college on March 7, 2024.
- Participated in one-day National webinar entitled 'Is Air Pollution Responsible for Increasing Rate of Lung Cancer?' organized by UGC-Malaviya Mission Teacher Training Centre (UGC-MMTTC/ GAD-MMTTC), SGTB Khalsa College, University of Delhi in collaboration with Indian Cancer Society, Delhi held on March 2, 2024.

Dr. Amit Kumar Singh

- Participated in NEP 2020 Orientation & Sensitization Programme Equivalent to one week FDP organized by UGC MMTC, Shri Guru Teg Bahadur Khalsa College, University of Delhi, from March 4-14, 2024.
- Attended an International Conference on 'Food Systems: A Sustainable Approach to Health, Nutrition and Environment' organized by Internal Quality Assurance Cell of the college on March 7, 2024.

Dr. Anjali Saxena

- Participated in ‘MSME Idea Hackathon 3.0 Women’ under the Incubation Component of MSME Innovative Scheme GOI assistance ‘NBSP Producing Novel Therapeutics for Heart Health and Disease the Role of Gut Microbiota’ on March 13, 2024.
- Received certificate of recognition for serving as Editorial Board Member of the Journal Microsphere, the first Editorial Board from Jan 2022-2024.
- Participated in workshop on ‘Yoga Philosophy and Practice’ organized by the Department of Biomedical Science in collaboration with the Department of Physical Education and Yoga club of the college on November 25, 2023.
- Participated in ‘Obesity Assessment Camp’ organized by the Department of Physical Education of the college on October 6, 2023.
- Participated as coordinator in Capacity Building Workshop on ‘CBS: Capacity Building for Student Data Management’ organized by IQAC of the college held from September 13-20, 2023.
- Completed short-term certificate course on ‘Relevance of Bhagvat Gita in today’s life’ in association with Society for Applied Value Education (SAVE) held during May 22- 27, 2023.

Dr. Laljee Ram Meena

- Attended an International Conference on ‘Food Systems: A Sustainable Approach to Health, Nutrition and Environment’ organized by Internal Quality Assurance Cell of the college on March 7, 2024.
- Attended a lecture on ‘Youth Empowerment for Sustainable, Social and Educational Development’ organized by SC/ST cell of the college on February 16, 2024.
- Has taken a pledge on ‘Say Yes to Life, No to Drugs’ organized by Narcotics Control Bureau, Ministry of Home affairs on October 10, 2023.
- Attended one-day Short Term Course on Inclusion organized by Equal Opportunity cell and Committee for Inclusive Education of college in collaboration with Vision Divyang Foundation on May 19, 2023.
- Attended a lecture on ‘Liver Health: An Awareness Program’ organized by Students Advisory Committee of the college on May 10, 2023.
- Attended a lecture on ‘G20- Youth Empowerment and Strengthening: Awareness about various Scholarship Schemes and Policies’ organized by SC/ST cell of the college on April 12, 2023.

Students Achievements

- Akanksha Yadav was awarded second prize in poster presentation in the National workshop on ‘Raising Awareness on Urban Air Quality, Climate Change, Health and E-resilience’ organized by Environmental Pollution Laboratory, Department of Environmental Studies, University of Delhi and Department of Zoology of the college on October 10, 2023
- Akanksha Yadav secured first position in inter-departmental running race 400 Competition at an event of Annual Sports Day 2023 on April 3, 2023.

LIBRARY OF COLLEGE

Growth in Collection of the Library

Library has a collection of 27,329 volumes of books including reference books, 336 bound volumes of journals, CDs/DVDs and regular subscription to some Journals, newspapers, magazines. Library has renewed its subscription to N-LIST (National Library and Information Services Infrastructure for Scholarly Contents) programme of INFLIBNET. This facility enables access to a large number of e-resources to the students and staff throughout the year 24x7. This year the AMC of RFID Systems was also awarded. Library maintains a blog, which is being updated from time to time. Total 45,508 page views (as on March 28, 2024) have been recorded. The visitors from outside college included Mr. Sanjeev Vats, Doordarshan, NAAC Mock Visit, Sakshi Rawat from Shaheed Rajguru College, Ms. Sheenam from Libsys Pvt Ltd, Mr. S. S. Dhami from Radian Book Co. New Delhi, Mr. Nitish from Janak puri, Prof. P. Bhattacharya from GGSIP University and Delhi University. The various activities organized included:

- A group of five students and convener of library committee visited the New Delhi Book Fair on February, 16, 2024.
- Organized a Cleanliness Drive and Swachhta pledge from October 1-15, 2023 in the library.
- Organized a workshop on ‘Library Resources Awareness Program’ for all the students of first year on September 15, 2023.
- Organized an orientation programme for the first-year students on August 16, 2023.

Footfall, Circulation and Overdue Charges

Library Footfall	24,522
Library Circulation - Issue	3532
Library Circulation - Returned	3572
Collection of Overdue Charges	Rs. 11,945

ACTIVITIES CONDUCTED BY VARIOUS STAFF COUNCIL COMMITTEES

1. ALUMNI COMMITTEE

**Convener: Dr. Rizwana (till September 20, 2023)
Dr. Ragini Jindal (September 21, 2023 onwards)**

- Organized an Alumni Interaction ‘Revolutionizing Healthcare: The Role of Nanotechnology in Sensor Development’ in collaboration with Sukshmjeev society, Department of Microbiology on March 4, 2024. Ms. Archana, Pursuing Ph.D. Nanoscience Jawaharlal Nehru University was a resource person.
- Organized a Panel Discussion on ‘Growth and Alignment of Food Industry: Vision for Viksit Bharat’ in collaboration with the Ambrosia society of Food Technology Department on February 24, 2024. BCAS Alumni-Mr. Nikunj Suneja Manager -Packaging Buying Operations, Mars Wrigley and Ms. Anusuya Borah, Business Development Manager Nutra and Pharma, Givaudan India Pvt. Ltd. were resource persons.
- Organized a seminar on ‘Unveiling Advances in Molecular Diagnostics: Spotlight on Tuberculosis’ in collaboration with DNAmics Society of Department of Biomedical Science on February 24, 2024. Dr. Deepali Joon, Assistant Professor, Sri Guru Tegh Bahadur Khalsa College, University of Delhi was a resource person.
- Organized a panel discussion on ‘Industrial Lab Testing & Biodegradable Polymers’ in collaboration with Pearls society of Department of Polymer Science on February 24, 2024. Dr. Sampa Saha, Associate Professor of the Department of Material Science Engineering at IIT Delhi and Dr. Sudha Joshi, BCAS Alumnus Company Polymer Testing Analyst, Narang Metallurgical and Spectro Services, Delhi were resource persons.
- Organized a seminar in collaboration with the Department of Computer Science on ‘Entrepreneurship, Startups and Social Impact’ on February 22, 2024. Ms. Kamna Hazrati, Founder, and Purpose was resource person BCAS Alumnus.
- The committee has recommended four alumni for excellence in respective fields as follows Dr. Vasudha Sharma- Academics/ Research, Mr. Tarang Shrivastava- Corporate/ Industry,

Major Nitin C Nambiar- Government/ Defence services Ms. Kamna Hazrati- Entrepreneurial venture.

2. BIOLOGICAL AND CHEMICAL WASTE MANAGEMENT COMMITTEE

Convener: Dr. Shalini Sehgal (till September 20, 2023)
Dr. Uma Dhawan (September 21, 2023 onwards)

- Organised an Awareness Campaign on 'Biological & Chemical Waste Management for students & Lab Staff' from June 6-25, 2023. Dr. Shailja was the faculty coordinator for this campaign. Dr Shailja was the co-convener in Poster Making Competition on the theme 'Waste Management - A Step Towards Green Earth and Better Future', organized by the Committee on June 10, 2023.

3. DIGITIZATION AND AUTOMATION COMMITTEE

Convener: Dr. Partha S. Pal

- Built many new modules as well as provided regular updates and support to the applications BRAHMA and BEAMS.
- Restructured attendance, internal Assessment and time table modules according to the new NEP program structure.
- Added SEC and VAC allotment module for odd and even semester.
- Added Unique Paper Code (UPC) in the internal assessment module.
- Built a module to aid the Internal Assessment Monitoring committee for verification of IA marks.
- Built a module to check duplicacy of SEC and VAC papers undertaken by a student in different semesters.

4. EXTRACURRICULAR ACTIVITY COMMITTEE

Convener: Dr. Vijay Kumar Nalla (till September 20, 2023)
Dr. Bhavya Deep (September 21, 2023 onwards)

- Organized Annual Inter-College Cultural Festival 'Srijan 2024' on March 8, 2024.
- Celebrated Republic Day on January 26, 2024. Performances were given by Dance Club, Dramatic Club and Music Club.
- Organized a cultural evening 'Realizing Cultural Heritage of India' in the amphitheatre of the college on June 20, 2023.

- Organized the Annual Inter-College Cultural Festival ‘Srijan 2023’ on April 13, 2023.

5. GANDHIAN STUDY CENTRE

Convener: Dr. Saroj K. Shukla

- Organized an essay writing competition on ‘Gandhi and his relevance in current times’ on January 30, 2024.

6. GARDEN COMMITTEE

Convener: Prof. Eram S. Rao

- Organized a Flower Arrangement Intercollegiate Competition in collaboration with Eco club on February 29, 2024.

7. GENDER SENSITIZATION COMMITTEE

Convener - Dr. Inderbir Kaur

- Organized a talk Session on the topic ‘Legal Awareness on POSH Act and IT Act’ in collaboration with the Internal Complaints Committee on February 16, 2024. The speaker for the session was Ms. Niyati Sharma, Advocate, Delhi High Court. She shared her views and provided insights about the POSH ACT 2013 and also about various articles and laws against sexual harassment.
- Organized an extempore competition on the theme ‘Gender Sensitization’ on February 5, 2024.
- Organized an essay writing competition on ‘Youth and Gender Sensitization’ was organized on October 26, 2023 for the selection of Gender Champions and Gender Volunteers of the college.
- Organized a poster making competition in collaboration with the Modern and Fine Arts Club and Proctorial Committee on ‘Shatter the silence: say no to ragging and sexual harassment’ from August 25, 2023 to September 1, 2023.

8. RESEARCH & PROJECT ASSESSMENT COMMITTEE

Convener: Dr. Sushmita Dey Sadhu

- Organized a lecture ‘Research: Sustainability, challenges and Opportunities’ on January 24, 2024. Prof. Kushal Sen, IIT Delhi, Prof. Pradip Maji, IIT Roorkee and Prof. Anandrup Das, IIT Delhi were the resource persons.

9. SPORTS COMMITTEE

Convener: Prof. Anand Bharadvaja

- Organized Annual Interdepartmental Volleyball Tournament on February 19, 2024
- Organized Interdepartmental Kabaddi Tournament during February 13-18, 2024
- Organized Annual Interdepartmental Volleyball Tournament and Basketball tournament on February 12, 2024
- Organized Annual Interdepartmental Tug of War and cricket Tournament during February 5-12, 2024
- Organized Interdepartmental Table Tennis Tournament during February 05-08, 2024
- Organized Interdepartmental Chess Tournament on February 05- 06, 2024
- Organized Interdepartmental Badminton Tournament on February 5, 2024
- Organized Unity Run on October 31, 2023
- Organized Conducting Obesity Assessment Camp on October 6, 2023
- Organized CPR & First Aid Training Workshop on May 23, 2023.

List of Winners of Inter-Departmental Games*

*(Numbers in brackets indicate the year of course)

CRICKET	
Prize (Course)	Name of the Winners (Course Year)
First (Food Technology)	Rishi Nigam (II), Kamma Hari Kishore (II), Sunny Kumar (II), Priyanshu Singh (II), Vivek Kumar (II), Akash Kumar (II), Jiyesh (II), Kella Yashika (II), Muskan Praveen (II), Sanjeev Kumar (II), Aanchal Pandey (I), Suraj Shah (I), Piyush Prabhakar (I), Yuvraj Malik (I), Dilshad (I)
Second (Biomedical Science)	Ritam (III), Bhavishya (III), Prateek (III), Pratyush (III), Sri Sai (III), Abhimanyu (III), Divyanshu (III), Tauseef (III), Zinnat (II), Adarsh (II), Harleen (II), Rahul (I), Mukhtar (I), Shibayan (I), Sonakshi (I)
Third (Electronics)	Yash Srivastava (III), Ashish Kumar (III), Vishal Mohanty (III), Gaurav (III), Rohit (III), Saumya (II), Akansha (III), Aniket Jain (III), Manpreet (III), Sankalp (III), Aryan Rawat (III), Raunak Keshari (III), Shivam (II), Prabhat (II), Deepansh (I)

BADMINTON - SINGLE BOYS	
Prize (Course)	Name of the Winners (Course Year)
First (Food Technology)	Vedhant Kumar (II)

Second (Computer Science)	Vinayak Sharma (II)
Third (Biomedical Science)	Sri Sai Inampudi (III)

BADMINTON - SINGLE GIRLS	
Prize (Course)	Name of the Winners (Course Year)
First (Instrumentation)	Rajeshwari Shekhawat (I)
Second (Polymer Science)	Apoorva Chatterjee (III)
Third (Chemistry)	Anchla Rai (II)

BADMINTON – DOUBLES BOYS	
Prize (Course)	Name of the Winners (Course Year)
First (Food Technology)	Vedhant Kumar (II), Sunny Kumar (II)
Second (Computer Science)	Vinayak Sharma (II), Aayush Sharma (II)
Third (Physics)	Amrendra Kumar (II), Vishal Kumar (III)

BADMINTON – DOUBLES GIRLS	
Prize (Course)	Name of the Winners (Course Year)
First (Instrumentation)	Rajeshwari Shekhawat (I), Bhoomi Rokaya (I)
Second (Biomedical Science)	Niharika Das (II), Sonakshi Srivastava (I)
Third (Microbiology)	Harshita Yadav (II), Arti Kumari (II)

TENNIS - SINGLE BOYS	
Prize (Course)	Name of the Winners (Course Year)
First (Biomedical Science)	Pranav Sharma (III)
Second (Computer Science)	Dheeraj Verma (III)
Third (Electronics)	Himank Shreshtha (II)

TENNIS - SINGLE GIRLS	
Prize (Course)	Name of the Winners (Course Year)
First (Zoology)	Bhumika (I)
Second (Microbiology)	Pragya Kumar (III)
Third (Biomedical Science)	Himanshi Sharma (II)

TENNIS - DOUBLES BOYS	
Prize (Course)	Name of the Winners (Course Year)
First (Biomedical Science)	Pranav Sharma (III), Divyanshu (III), Samrat Karki (I)
Second (Computer Science)	Ritik Manav (III), Dheeraj Verma (III), Bhushan Jaiswal (III)
Third (Electronics)	Himank Shreshtha (II), Ayush Singh Kaintura (II), Devansh Verma (II)

TENNIS – DOUBLES GIRLS	
Prize (Course)	Name of the Winners (Course Year)
First (Biomedical Science)	Himanshi Sharma (II), Jyotsana Singh (III)
Second (Computer Science)	Khushi Yadav (III), Harshita Goel (III)

Third (Zoology)	Bhumika (I), Kajal Goswami (I)
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BASKETBALL (BOYS)	
Prize (Course)	Name of the Winners (Course Year)
First (Electronics)	Raunak Keshari (III), Sankalp Kumar (III), Aryan Rawat (III), Saurav Kumar (III), Yash Srivastava (III), Vishal Mohanty (III), Pradeep Yadav (III), Ashish Kumar (III), Manpreet (III), Krishan Singh (III), Sagar (I), Aman Kumar (I)
Second (Physics)	Anand (III), Rajat Tiwari (III), Lucky Singh (III), Aniket Mukherjee (III), Gaurav Yadav (III), Ayush Singh (III), Mukesh Sahu (III), Vivek (III), Tushar Kumar (III), Rambabu (I)
Third (Instrumentation)	Sumit Raj (II), Piyush (II), Ronak (II), Dheeraj (II), Pranav (II), Zubin (I), Sandeep (I), Rishanth (I)

BASKETBALL (GIRLS)	
Prize (Course)	Name of the Winners (Course Year)
First (Biomedical Science)	Meenakshi (II), Adithya Nambair (III), Sakshi Rani (III), Rina (II), Umaiama (II), Yashika (III), Muskan (III)
Second (Computer Science)	Preeti (III), Chanchal (III), Aishwarya (II), Barkha (I)
Third (Zoology)	Anjali (III), Saswati (III), Harshita (III), Akansha (III), Anshika (I)

VOLLEYBALL (GIRLS)	
Prize (Course)	Name of the Winners (Course Year)
First (Food Technology)	Aanchal Pandey (I), Shweta Sharma (I), Priyanka (I), Sakshi (II), Jessica (II), Somya (II), Nidhi (II)
Second (Computer Science)	Mansi Saxena (III), Khushi (III), Neetu (I), Harshita (I), Manisha (I), Ananya (I), Meenal (I), Kisha (I), Srashti (II), Kumud (II), Kanishka (II)
Third (Chemistry)	Nikita Chauhan (III), Vanshika (III), Nikita (III), Anchla (II), Riya Sharma (II), Amna Shirin (I)

VOLLEYBALL (BOYS)	
Prize (Course)	Name of the Winners (Course Year)
First (Instrumentation)	Dipanshu (III), Deepak Bhandari (III), Mukul (III), Hirdesh (III), Aman (III), Deepak (III), Kunal (II), Karan (II), Rohit (II), Aditya (II), Anish (II), Sumit (I)
Second (Computer Science)	Kartik (III), Govind (III), Deepak (III), Kanwaljeet (III), Sahil (III), Ritik (III), Vivek (III), Vansh (II), Alok (I)
Third (Food Technology)	Ankit (III), Harikishor (II), Sachin (III), Arjun (II), Divyanshu (I), Piyush (I), Akash (II), Kuldeep (II), Rohangao (II)

TUG OF WAR (BOYS)	
Prize (Course)	Name of the Winners (Course Year)
First (Polymer Science)	Tarun (III), Piyush (III), Aman (III), Aman Bhatt (III), Akshat (II), Harsh (II), Yashvendra (I), Preet Kumar (I), Gaurav (I), Md Saquib (III)
Second (Electronics)	Gaurav (III), Manpreet (III), Aryan (III), Vishal (III), Sankalp (III), Vibhor (III), Ashish (III), Aniket (III), Harshit (III), Jagraat (I)

Third (Computer Science)	Deepak Kumar (III), Divas (III), Kanwaljeet (III), Vivek Kumar (III), Mukul (III), Govind (III), Dheeraj (III), Bhushan Jaiswal (III), Aman Singh (II), Nirmal Joshi (I)
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TUG OF WAR (GIRLS)	
Prize (Course)	Name of the Winners (Course Year)
First (Biomedical Science)	Adithya (III), Khushi (III), Shruti (II), Jyotsana (II), Vaishnavi (II), Purva (II), Lavisha (II), Shruti Mohanty (I), Chandni (I), Bisman Kaur (I)
Second (Botany)	Gunika Gautam (III), Mansi Bhandari (III), Heena Verma (II), Bhawna Sain (II), Riya Singh (II), Purva (II), Muskan (I), Shreya (I), Utkrishta (I), Richa (I), Anushka (I)
Third (Microbiology)	Diksha Hooda (III), Kajal (II), Vidhi (II), Jaya (II), Kashish (I), Pranjal (II), Anjali Chaurasia (I), Anjali Maurya (I), Muskan (I), Ananya (I)

FOOTBALL	
Prize (Course)	Name of the Winners (Course Year)
First (Food Technology)	Shibin (III), Salmansha (III), Shareef (III), Anfal (III), Ramarag (III), Aadhi (III), Vishal (II), Adarsh (II), Jiyesh (II), Brajesh (II), Yuvraj (II), Suraj (I), Ijjal (III)
Second (Instrumentation)	Monrie (II), Sumit Raj (II), Pranay (II), Ronak (II), Anish (II), Rishanth (I), Abhishal (I), Krish (I), Rohan (I), Vansh (I), Adityan (I), Saquib (I)
Third (Botany)	Apoorva Aashish (III), Ritesh (III), Manas Kumar (III), Lavish (III), Swarnim Rao (III), Saqib Qureshi (II), Jai Kumar (II), Rajeev Raj (II), Stanzin Tsering (I), Divyanshu (I), Dhruv Khadka (I), Karthikey Sundriyal (I)

KABADDI (BOYS)	
Prize (Course)	Name of the Winners (Course Year)
First Prize (Physics)	Lucky Singh (III), Mukesh Sahu (III), Abhash Pandey (II), Ajeet Yadav (II), Harsh Raj (I), Dhruv (II), Ravi Ranjan Kumar (I), Naveen (I), Arjun Raghuvanshi (I)
Second (Food Technology)	Abhiram (III), Bhavishya Rawat (II), Adarsh Kumar (II), Priyanshu Singh (II), Nitesh (II), Divyanshu Raj (I), Prasoon Verma (I), Kamma Hari Kishor (II), Rahul (I)
Third (Computer Science)	Deepak Kumar (III), Divas (III), Govind Singh Shekhawat (III), Nikhil Kumar (III), Dheeraj Verma (III), Nirmal Joshi (I), Aditya Raghuvanshi (II), Rustam Khaira (I), Vikram (I)

KABADDI (GIRLS)	
Prize (Course)	Name of the Winners (Course Year)
First (Biomedical Science)	Sakshi Agarwal (III), Niharika Das (II), Zinat Shamim (II), Sneha Garg (II), Rina Choudhary (II)
Second (Microbiology)	Diksha Hooda (III), Anjali Gusain (I), Anjali Maurya (I), Swetlata (I), Muskan (I)
Third (Computer Science)	Neetu (III), Khushi Yadav (III), Manisha (I), Mansi (I), Barkha (I)

4 x 100 RELAY RACE (BOYS)	
Prize (Course)	Name of the Winners (Course Year)
First (Electronics)	Shaswat Singh (II), Himank Shrestha (II), Shivam Raghav (II), Prabhat Vaishnav (II)

Second (Instrumentation)	Hirdesh Rathore (III), Saquib Khan (I), Zubin (I), Sumit Raj (I)
Third (Polymer Science)	Raj Chaudhary (I), Gaurav Sherawat (I), Tarun Kumar (III), Akshat Khanna (II)

4 x 100 RELAY RACE (GIRLS)	
Prize (Course)	Name of the Winners (Course Year)
First (Polymer Science)	Parismita Malakar (I), Anshika Singh (I), Simren (I), Arnisha Namasudra (III)
Second (Microbiology)	Udita Jain (II), Vidhi Chandra (II), Aiswaryaprabha M P (II), Anjali Maurya (I)
Third (Food Technology)	Aanchal Pandey (I), Priyanka (I), Kella Yashika (II), Nandhana Am (I)

CHESS		
Prize	Name of the Winners (Course and Year)	
	Male Category	Female Category
First	Saurav Kumar (Electronics, III)	Pallavi (Physics, III)
Second	Aryan (Computer Science, III)	Arushi (Electronics, II)
Third	Deepak (Polymer Science, I)	Adeeba (Zoology, II)

100 m RACE		
Prize	Name of the Winners (Course and Year)	
	BOYS	GIRLS
First	Prabhat Vaishnav (Electronics, II)	Kusum (Physics, I)
Second	Puneet Yadav (Polymer Science, III)	Amna Shirin (Chemistry, I)
Third	Umesh Yadav (Instrumentation, III)	Renu Joshi (Biomedical Science, I)

200 m RACE		
Prize	Name of the Winners (Course and Year)	
	BOYS	GIRLS
First	Prabhat Vaishnav (Electronics, II)	Kusum (Physics, I)
Second	Puneet Yadav (Polymer Science, III)	Amna Shirin (Chemistry, I)
Third	Umesh Yadav (Instrumentation, III)	Renu Joshi (Biomedical Science, I)

400 m RACE		
Prize	Name of the Winners (Course and Year)	
	BOYS	GIRLS
First	Gaurav (Physics, III)	Shreya (Botany, I)
Second	Manoj Kumar Malik (Polymer Science, III)	Preeti Yadav (Computer Science, III)
Third	Saquib Khan (Instrumentation, I)	Jyotsana (Biomedical Science, III)

LONG JUMP		
Prize	Name of the Winners (Course and Year)	
	BOYS	GIRLS

First	Umesh Yadav (Instrumentation, III)	Rina Choudhary (Biomedical Science, II)
Second	Dhruv (Physics, III)	Nikita Chauhan (Chemistry, III)
Third	Anurag Choudhary (Chemistry, I)	Parismita Malakar (Polymer Science, I)

GAME SHOTPUT		
Prize	Name of the Winners (Course and Year)	
	BOYS	GIRLS
First	Suraj Shah (Food Technology, I)	Shipra (Polymer Science, III)
Second	Hrishabh (Physics, III)	Heena Verma (Botany, II)
Third	Nirmal Joshi (Computer Science, I)	Bhumika Sharma (Food Technology, II)

10. STUDENT ADVISORY COMMITTEE

Convener: **Dr. Sushmita Dey Sadhu (till September 20, 2023)**
Dr. Vandita Gupta (September 21, 2023 onwards)

- Organized Freshers party for the newly admitted students of the year 2023 on October 11, 2023.
- Organized an orientation session for newly admitted students of the college on August 16, 2023.

11. SWACHHATA & E-WASTE MANAGEMENT COMMITTEE

Convener: **Prof. Geeta Mongia (till January 2024)**
Dr. Vijaya Kumar Nalla

- Nominated three students and a non-teaching staff as Swachhata Warriors from each department.
- Organized Swachhata Pakhwada - Swachhata Hi Seva (SHS) 2023, a massive cleanliness drive and Swachhata pledge from October 1-15, 2023.
- Organized Swachhata Abhiyan on the theme 'Ek Tareekh – Ek Ghanta Programme' where all staff members actively participated in the cleanliness campaign in their neighbourhood October 1, 2023.

12. STUDENTS MENTORING AND HOLISTIC WELL BEING

Convener: **Dr. Madhulika Bajpai**

- Organized an open mic event 'एक मुलाकात खुद से' in collaboration with the Department of Human Communication on February 23, 2024.

13. TRAINING AND PLACEMENT

Convener: Dr. Manoj Tiwari

- Organised a PRE-PLACEMENT TALK (preparing for placement) on February 21, 2024. Mr. Sunil Dua from T.I.M.E was the resource person.

14. WEBSITE AND INTERNET COMMITTEE

Convener: Dr. Arti Dua

- Organized a workshop on 'Introduction to Cybersecurity' in collaboration with the Digitization and Automation Committee and NIIT Foundation and Cisco Networking Academy on February 13, 2024.

ACTIVITIES CONDUCTED BY VARIOUS CELLS

1. ANTI-DRUGS AND TOBACCO CELL

**Convener: Dr. Vijay Kumar (till January 2024)
Dr. Anil Barak (February 3, 2024 onwards)**

- Organized a 'Drive against Drug Abuse e-Pledge on Say Yes to Life, No to Drugs' in collaboration with the Narcotics Control Bureau on February 9, 2024.
- Organized a campaign on 'Say Yes to Life, No to Drugs' e pledge in collaboration with Narcotics Control Bureau on October 10-13, 2023.

2. ANTI DISCRIMINATORY CELL

Convener: Dr. Jitender Kumar

- Organized poster making competition on 'Understanding Yourself, owing your Bias' and a Slogan writing competition on 'How to prevent unfair treatment' on February 12, 2024.
- Organized awareness campaign for Anti Ragging and Slogan Writing in association with North East and Regional Inclusive Cell of the college on August 28, 2023.

3. BHASKARACHARYA CELL

Convener: Dr. Sampat Singh Chauhan

- Organized vedic mathematics Quiz and poster making competition in association with the Department of Mathematics of the college on March 14, 2024.

4. CAREER COUNSELING CELL

**Convener: Dr. Uma Dhawan (till September 20, 2023)
Dr. Anita Sondhi (September 21, 2023 onwards)**

- Organized workshop on 'How to prepare for Civil Services Examination' in association with Committee for Student Mentoring and Holistic Well Being on November 9, 2023. Mr.

Prashant Sharma and Mr. Abhishek Misra from Drishti IAS Academy were the resource persons. Dr Shailja was the faculty coordinator of this event.

- Organized a workshop on Film making on May 19, 2023 in collaboration with Pearl Academy Rajouri Garden Delhi.

5. EQUAL OPPORTUNITY CELL AND COMMITTEE FOR INCLUSIVE EDUCATION

Convener: Dr. Pawas Goswami

- Organized 'Thalassemia Screening Camp' in collaboration with Vision Divyang Foundation, Rotary Club of Delhi Vision 3012, and Rotary Club of Safdarjung Delhi 3011 on October 16, 2023
- Organized Sportify in collaboration with SAKSHAM, Inderprastha on December 16, 2023.
- Organized 'One Day Short Term Course on Inclusion' in collaboration with Vision Divyang on May 19, 2023. The resource person was Mr. Mukesh G Gupta, Chairperson Vision Divyang Foundation.

6. NORTH EAST AND REGIONAL INCLUSIVENESS CELL

Convener: Dr. Salam Sonia Devi

- Organized creative writing competition in collaboration with Department of Mathematics and Department of Botany on 'India-The Land of Diversity' on February 27, 2024.
- Organized essay writing competition on 'Unity in Diversity' on February 23, 2024.

7. INCUBATION AND ENTREPRENEURSHIP CELL

Convener: Prof. Siddharth Sirohi

- Organized visit to the Startup Mahakumbh expo at Bharat Mandapam on March 19, 2024.
- Organized visit to the latest edition of Bharat-Tex expo at Yashobhoomi, Dwarka in association with the Department of Zoology of the college on February 28, 2024.
- Organized visit for students to the latest edition of India International Science Festival (IISF) on the theme 'Science and Technology Public Outreach in Amrit Kaal' at Faridabad, Haryana on January 19, 2024. Manoj Kumar Malik, Keshav Sharma pursuing B.Sc. (H) Polymer science and Nyonika Mathura pursuing B.Sc. (H) Zoology were the student visitors. Prof. Sidhharth Sirohi and Dr. Satyam Ravi Dwivedi accompanied students to the event.
- Cell received 46 entries as a part of Idea Hackathon 3.0 funded by the Ministry of Micro, Small and Medium Enterprises (MSME). Dr. Anjali Saxena, Department of Zoology and Shivi Nahare, B.Sc. (H) Microbiology bagged the prestigious funding for the first round.

- Organized an orientation seminar for women entrepreneurs as a part of Idea Hackathon 3.0 funded by the Ministry of Micro, Small and Medium Enterprises (MSME) on July 11, 2023.

8. SC/ST Cell

Convener: Dr. Jitender Kumar

- Organized a seminar on 'Youth Empowerment for Sustainable Social and Educational Development' on February, 16, 2024.

9. VIVEKANAND VICHAR MANCH

Convener: Dr. Pawas Goswami

- Organized a talk on 'Who are the Indians?' by Prof. Raj Vedam, Hindu University of America on October 20, 2023.

10. WOMEN DEVELOPMENT CELL

Convener: Prof. Eram S. Rao (till September 20, 2023)

Dr. Meenakshi Garg (September 21, 2023 onwards)

- Celebrated International Women's Day on March 11, 2024. Featured lectures on 'Women's safety' by Delhi Police, 'Financial Literacy' by ICICI Bank and various events like the Slogan Writing Competition and 'Saree Mein Naree' showcased talent and celebrated women's achievements. An exhibition cum sale of homemade pickles and Holi colors was displayed. Engaging activities like the Tambola game and environmental initiatives like the 'Plastic Lao, Bag Le Jao' event and cloth donation drive was also held.
- Convener and a few students attended the National Seminar on 'Transcending Indian Feminist Thought' on March 7, 2024 at the Conference Hall of North Campus University of Delhi.
- Dr Meenakshi Garg and two students Saad Ahmed FT 3rd year and Priyanka, FT 1st year attended a one-day workshop on February 17, 2024 conducted by the Women's Studies and Development Centre (WSDC) at the University of Delhi on topic 'Women Sensitization: Need of the Hour'.
- Organized two days' Self-defense training' for female students of college on February, 8-9, 2024. Resource person was Head Constable Ms Samita.
- Organized a health and wellness counseling on December 1, 2023 for staff. Resource person was dietitian Ms Shefali Soni.
- Organized a one-rupee collection drive on November 3, 2023 to raise funds for purchasing sanitary napkins and distributing them in slum communities, an inspiring initiative was launched by the Women Development Cell.

11. HINDI KARYANVAYAN

Convener: Ms. Manu Kataria

Organized a one-day workshop on “प्रशासनिक एवं कार्यालयी कामकाज में हिन्दी का प्रयोग” on November 17, 2023. The Guest of honour was Jagdish Rampoori from the Ministry of Education, Govt. of India. Ms. Manu Kataria was the convener. Dr. Sampat Singh Chauhan, Dr. Satyam, Dr. Ragini Jindal, Dr. Vandana Batra, Smt. Ira Sharma and Smt. Usha Sati was the coordinator.

ACTIVITIES CONDUCTED BY VARIOUS CLUBS

1. CAPABILITY ENHANCEMENT AND LITERARY CLUB

Convener: Dr Satyawati

- Organized workshop on the topic ‘Role of Reading in Liberating Imagination’ in collaboration with Department of English of the college on March 15, 2024
- Organized quote writing competition on the topic ‘Esteemed constitution, Ambedkar’s vision: How the constitution shapes our tomorrow’ in collaboration with the Department of English of the college from December 6-10, 2023.

2. DANCE CLUB

Convener: Dr. Neeru Bhagat (till September 20, 2023)

Dr. Asha (September 21, 2023 onwards)

- Organised an intercollege competition on ‘GROOVE IT - solo and duet western dance’ at the Annual Cultural Fest Srijan 24 on March 8, 2024.
- Organised an intercollege competition on ‘NRITYANJALI- solo and duet classical dance’ at the Annual Cultural Fest Srijan 24 on March 8, 2024.
- Organized intercollege solo and duet dance competition ‘Nrityakala - Language of the Soul’ on April 13, 2023.

3. DEBATE CLUB

Convener: Dr. Satyam Dwivedi (till September 20, 2023)

Dr Alivia Roy (September 21, 2023 onwards)

- Organized a debate competition on the topic ‘Artificial Intelligence will replace Human Intelligence’ on February 15, 2024.
- Organized a group discussion on 'Character Clash' Dissecting the Debatable as a part of Srijan 2024 on February 8, 2024.

4. DRAMATIC CLUB

Convener: Dr Anjali Saxena (till September 20, 2023)

Dr Kapil Roy (September 21, 2023 onwards)

- Organised an inter-college Annual Street Play Competition ‘Zami Parasti’ at the College's Annual Cultural Fest Srijan’24 on March 8, 2024.
- Organised an intra-college Skit Competition on ‘Anti-Tobacco Awareness’ in collaboration with the District Health Society, South West District, Delhi on February 27, 2024.

5. ECO CLUB

Conveners: Dr. Gunjan Sirohi (till September 20, 2023)

Dr. Amandeep Kaur (September 21, 2023 onwards)

- Organized intercollege hands-on workshop on ‘Paper Recycling’ on March 20, 2024.
- Organized an outreach activity ‘Swachhta drive’ on March 11, 2024.
- Organized an inter-college ‘Best out of the waste competition’ on March 7, 2024.
- Organized an intercollegiate ‘Flower arrangement Competition’ in collaboration with the garden committee on February 29, 2024.
- Organized an outreach activity ‘A Water Cleaning and Conservative Initiative at Chhat Ghat’ in collaboration with Sant Nirankari Foundation and Ministry of Culture at ITO Bridge, Delhi on February 25, 2024.
- Organized an intercollege ‘Introductory Session on ‘Ao Sware Yamuna Kinare’ in collaboration with Sant Nirankari Foundation and Ministry of Culture on February 7, 2024.
- Organized an outreach activity on ‘Sankalp Sabha on Red Light ON Gaadi OFF’ on November 3, 2023.
- Organized an inter college hands on workshop on ‘Paper Recycling’ on April 19, 2023.

7. MODERN AND FINE ARTS CLUB

Conveners: Dr. Amandeep Kaur (till September 20, 2023)

Dr. Catherine Paul (September 21, 2023 onwards)

- Organized intercollege ‘Doodle making and Hand Painting’ on the occasion of Srijan 2024 on March 8, 2024.
- Organized intercollege ‘Pamphlet making competition on Cancer Awareness’ on March 6, 2024.
- Organized intercollege ‘Poster making competition on Anti-Tobacco’ on February 27, 2024.
- Organized intercollege ‘Brushless Canvas - a painting competition’ on February 21, 2024.

- Organized intercollege ‘Musical palate competition’ on the occasion of Srijan 2023 on April 13, 2023.

8. MUSIC CLUB

**Conveners: Dr. Shikha Shrivastava (till September 20, 2023)
Dr. Salam Sonia Devi (September 21, 2023 onwards)**

- Organized intercollege ‘Sur serenade and Gully Bhasad’ on the occasion of Srijan 2024 on March 8, 2024.
- Organized intra college ‘Regional song competition’ on February 21, 2024.
- Organized intra college ‘Rimjhim Gire Sawan -online song competition’ on August 4, 2023.

9. PHOTOGRAPHY CLUB

**Conveners: Dr. Umesh Kumar (till September 20, 2023)
Dr Anil Barak (September 21, 2023 onwards)**

- Organized a ‘Vision Voyage -Chromatic Capture Competition’ on the occasion of Srijan 2024 on March 8, 2024
- Organized photography exhibition on G20 Event on September 26, 2023.
- Organized a competition on ‘Capture G20 Event’ on September 19, 2023.
- Organized a ‘Photo Story Event on theme Anti-Ragging’ on August 29, 2023.
- Organized a ‘Photography Event in Srijan 23’ on April 13. 2023.

10. YOGA CLUB

Convener: Dr. Mohit Sharma

- Organised an inter-College yoganasana competition on the occasion of Srijan 2024 on March 8, 2024.
- Performed on G20 Academic and Cultural Program ‘Celebrating Indo-French relations in the wake of India's G20 Presidency’ on September 26, 2023.

-----**End of the Report**-----

Disclaimer: Every attempt has been made to verify the authenticity of the contents mentioned in the Annual Report 2023-24. However, the responsibility of the information provided lies entirely on the individual stakeholder. The college will not be held responsible for any wrong information and the consequences of using such information. The data contained in this report is indicative only and must not be used for legal purposes or claiming it as a proof, of the fact presented here required anywhere else.

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Annual Report Committee Members (2023-24)

Dr. Meetu Luthra	Convener
Dr. Rizwana	Co-Convener
Dr. Inderbir Kaur	Member
Dr. Arti Dua	Member
Dr. Kapil Roy	Member
Dr. Shikha Srivastava	Member
Dr. Swati Gupta	Member
Dr. Amandeep Kaur	Member
Dr. Neeru Bhagat	Member
Dr. Umesh Kumar	Member
Dr. Amit Kumar	Member

कुलगीत

वन्दे भास्कराचार्य
वन्दे महाविद्यालय
वन्दे महाविद्यालय

वैश्विक शिक्षा का भव्य केन्द्र
विज्ञान विधा का कुशल केंद्र
सुरभित औ हरित परिसर विशाल
गर्वित प्राँगण नव प्रखर ज्वाल
सद नवाचार का संवाहक
नव सर्जन शक्ति का आराधक
सक्षम उन्नत उत्कृष्ट ज्ञान
कौशल क्षमता अनुपम उडान
युग श्रेष्ठ प्रबंधन निधियाँ
मानक संचालित गतिविधियाँ
वन्दे भास्कराचार्य
वन्दे महाविद्यालय
वन्दे महाविद्यालय

आंचरियों का आशीष फल
विद्यार्थी मन संस्कार सरल
जिज्ञासा पूरक अमर ध्यान
लौकिक विषयों का परम ज्ञान
अंतर चेतन की अमिट चाह
गतिशील समर्पण का प्रवाह
साक्षी अनमोल धरोहर का
निर्मल जल ज्ञान सरोवर का
नवयुग का पावन अभिनन्दन
हम करते नित इसका वन्दन

वन्दे भास्कराचार्य
वन्दे महाविद्यालय
वन्दे महाविद्यालय

संगीतकार
गजेंद्र सोलंकी
अंतर्राष्ट्रीय कवि, गीतकार