



Bhaskaracharya College of Applied Sciences
भास्कराचार्य कॉलेज ऑफ एप्लाइड साइंसेज
(University of Delhi)



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

2021' NIRF College Ranking - 32



ANNUAL REPORT

2021-22

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FROM THE DESK OF DEAN OF COLLEGES

Education need not only be tool for survival but for enhancing perception and changing your perspective towards life. Children must blossom and flower into great human beings.



This famous quote clearly describes the mission of Bhaskaracharya College of Applied Sciences which envision establishing itself as a center of excellence in academics and research.

Dear Colleagues

Bhaskaracharya College of Applied Sciences, a constituent college of University of Delhi, offers eleven undergraduate courses in Science/ Applied Sciences with an objective to develop global organizational leaders to be transformed into innovative thinkers and researchers, seeking opportunities in academics or industry. These undergraduate courses are academically rigorous and are further supported by six allied Departments, which form the backbone of the courses. The college was established in the year 1995 and moved to its new campus which is located in Dwarka, New Delhi. The college has lush green, Wi-Fi enabled campus with adequate infrastructure.

Academic pursuits of the students are fully supported by a modern, well stocked library and state of the art laboratories. Besides the curriculum, the students are imparted skills through several training programs, workshops and seminars in collaboration with academic and research institutes. With a view of inculcating leadership skills, students are encouraged to participate in various club activities. The college provides a strong platform for extra-curricular activities and many of our students have brought laurels to the college. These platforms and opportunities have enormously helped our alumni to carve a niche for themselves in unorthodox careers besides contributing in the development of their personality. During the last few years, emphasis is also laid on research activities. The College has received grants from UGC, DST, DU, DHE and MOFPI that has helped these research initiatives.

The faculty is highly experienced and aims at grooming the students to be technologically superior, academically competent and ethically strong. Inside the classrooms, students are trained to think critically and creatively to solve global problems, become lifelong learners and contributors to the society. The meticulous training provided by the faculty has helped students to excel in their degree programs and to undertake higher studies in their respective fields. We are proud to state that our alumni are not only pursuing higher education in best of the institutions across the county but are equally successful in their careers.

I further wish them all a fascinating journey after graduating from BCAS. I firmly believe that any organization would be highly benefitted by the hard work and commitment of our students.

Prof. Balaram Pani

Dean of Colleges

University of Delhi

(Prof. Pani was associated with this college as principal till last year (2021). Now he has taken the responsibility of the Dean of Colleges of the prestigious university of Delhi. It was under his able guidance and leadership many new honors courses such as BSc. Honors Botany, Zoology and Chemistry were introduced in this college. He was also instrumental in facilitating promotions of the teachers which were due for a long time.)

PRINCIPAL'S REPORT

25th Annual Report



Dear Colleagues

“न हि ज्ञानेन सदृशम् पवित्रम् इह विध्यते”

भावार्थ : ज्ञान के समान पवित्र करने वाला निसंदेह कुछ भी नहीं है।

We, the Bhaskaracharya family are extremely elated and welcome back our students after a two year hiatus due to Corona, with an overwhelming enthusiasm. A lot of important events have happened in the last year which has seen our college grow in stature and size. I feel very delighted to present the highlights of the year-long activities of the college for the academic year 2021-22.

The foundation of our college was laid in October 1995 and was named after the great mathematician Bhaskaracharya of 12th Century. Presently our college offers 11 science honors courses in Biomedical Science, Computer Science, Electronics, Instrumentation, Food Technology, Polymer Science, Physics, Microbiology, Botany, Chemistry and Zoology. The college has a student strength of more than 1000 students.

The college obtained **National Institutional Ranking Framework (NIRF) Rank#32** in the College category and is at position 16 out of the 28 DU colleges in top 100 colleges all across India. The college had applied for the **India Today ranking and obtained 60th rank** under the category of Best Science Colleges.

College signed various **Memorandum of Understanding (MoU)** with different organisations/Institutes such as Shiksha Sanskriti Uthan Nyas, for Vedic maths for 2 years; National Institute for Immunology, DBT for Science Setu programme for 3 years to name a few. The college also conducted various short-term courses for the developing skills among the students. They were designed and compiled keeping in view the interests of the stake holders. Some of the short-term courses conducted were Immunological Techniques and their Applications, Innovative Packaging and Sustainability, Fitness Management, Environment friendly teaching learning practices.

The college launched two indigenously built applications **BRAHMA** (BCAS Resource Automation, Handling and Management Application) and **BEAMS** (BCAS Event Automation & Management System). BRAHMA and BEAMS are Web Applications powered by Google. BRAHMA enables the college to manage various information resources generated in college such as Student Data, Attendance, Internal Assessment, Time Table, Students Feedback, Budget, etc.

Ours is the **first college** of the University to have entered into a **partnership with Government College, Bomdila, West Kameng District, Arunachal Pradesh** under the Vidya Vistar Scheme. The college is also collaborating with Indira Gandhi Government College Tezu in Lohit District, Arunachal Pradesh under this scheme.

Volleyball court in the college campus was inaugurated by Prof. Balaram Pani, Dean of Colleges, University of Delhi and Ms. Bhawna Gaur, MLA Dwarka on December 24, 2021

The hard work of all the stake holders which made it possible needs no words as it speaks for itself. Together we have achieved and promise to uphold the standards reached till now and go much higher from here. As you all are aware our college has received “Star status” under Star college scheme of DBT. This is all due to continuous dedication and wholehearted contribution of our faculty that we continue to uphold Star status. The IQAC in our college is working continuously towards developing a system for conscious, consistent and catalytic action in order to improve the academic, administrative as well as overall performance of the institution.

Various Research Projects are being conducted in the College with an objective to encourage trans-disciplinary research and inculcate research aptitude, skills and synergy among students and faculty. In these research projects, students and faculty of the college are actively involved. The focus is to nurture talent of young minds by stimulating them to pursue excellence and teach them to think creatively. The projects going on are funded by DBT and DST. The faculty have their work presented in national and international journals and conferences and have been listed. We are proud of our achievements.

Dr. Uma Chaudhary has been awarded **Best Teacher Award** by Directorate of Higher Education, Govt. of NCT, Delhi, for year 2020-21. **Dr. Uma Dhawan**, Associate Professor, Department of Biomedical Science received the prestigious **INSA teacher’s award**.

Our students are getting very good placements. The academic achievements of our students are also praiseworthy. This year, Deepika Wanganoo Memorial Award instituted in the fond memory of Deepika Wanganoo, a former student of Department of Electronics is conferred to **Aditya Kumar Singh (B.Sc. (H) Electronics)**. And **Sanchi (B.Sc. (H) Physics)** has bagged the Saurabh Grover Memorial Award, initiated by parents of Saurabh Grover, a former student of our college from Department of Physics. Our bright students Ms. Ishani Sharma of B.Sc. (Hons.) Microbiology and Smriti Anand of B.Sc. Hons Polymer Science holds **first position in the University**.

Libraries are important cornerstones of any organization. Our library has a collection of 27068 volumes of books including reference books, 336 bound volumes of journals and 1231 CDs/DVDs. I'm pleased to inform you all that our Library now uses latest RFID Technology. It also uses latest version of cloud based opensource software KOHA providing its patrons the facility of web-OPAC

(web based Online Public Access Catalogue). As a future plan, we are heading towards having our own Institutional Repository (IR) on the D Space platform.

The college has a magazine, Resonance which gives students and staff an opportunity to express their literary talent. College E-newsletter 'Bhaskarjyoti' also keeps everyone updated on the latest happenings in our college.

Each academic year lays down the foundation for new ideas and insights into the scope for improvement in the future. I am extremely glad that our teachers, non-teaching staff and students are striving hard to take the college to new heights. I take this opportunity to thank the Governing Body of our college for their valuable guidance, suggestions, and support from time to time. I also thank Teacher-in-Charges of all the departments, Convenors and coordinators of different clubs, Society and Committees and also the non-teaching staff of our college for their cooperation and support in the progress and management of the College.

I conclude with this quote by भगवद्गीता chapter 4.39 for my dear students:

“ज्ञानम् लब्ध्वा पराम् शान्तिम् अचिरेण अधिगच्छति ।”

Meaning: Acquiring knowledge with full devotion is a must.

Prof. Avneesh Mittal
Principal

List of Governing Body Members

1. Ms. Madhuri Varshney (Chairperson)
2. Mr. Sunil Chowdhary (Treasurer)
3. Ms. Vani Aggarwal (Member)
4. Mr. Ashok Thakur (Member)
5. Mr. Anshu Sharma (Member)
6. Shri Upendra Nath Thakur (Member)
7. Ms. Chirashree Ghosh (Member)
8. Prof. Subho Mazumdar (University Representative)
9. Prof. Manoj Kumar Singh (University Representative)
10. Dr. Inderbir Kaur (College Representative)
11. Dr. Shalini Sehgal (College Representative)
12. Dr. M.M. Sharma
13. Sh. Dharmendra Kumar
14. Sh. Balraj Joiner
15. Sh. Rakesh Bhardwaj (N.T.Representative)
16. Prof. Avneesh Mittal (Member Secretary)

MERITORIOUS STUDENTS (Academic Year: 2020-21)

S. No.	Course	Position	Name		
			First Year	Second Year	Third Year
1	B.sc (H) Biomedical Science	I	Hiranyamaya Dash	Rashi Anand, Sudiksha Gupta	Debarpita Das
		II	Rishabh Vashist, Angela Parvez, Bhavya	Tanmay Devgan	Yashika Mehta Vaid
		III	Bollu Pavithra Nisha Mahato	Jhanvi Sareen	Manisha, Samarth
		Overall Topper : Manisha			
2	B.Sc (Hons) Botany	I	Aman Mishra	Madhur Shokeen	Nupur Bansal
		II	Ardra Sadanand	Sakshi	Usha
		III	Abhigyan Shekhar, Gunjan Sood, Mayank Verma	Shiney Peter, Priya Bharti	Vibha Sharma, Nikhil Kumar Khatri
		Overall Topper: Nikhil Kumar Khatri			

3	B.Sc (Hons) Chemistry	I	Akhil Sharma	Shagun Kothari, Mahak Singh, Alka, Srishti, Vijay Kishor	Sunesh
		II	Ayush Singh	Mayanglambam Khelemba Mangang, Jhalak Vats	Sudatta Bhunya
		III	Anubhav Sharma, Shobhit Kumar Choudhary, Yashaswi Sharma	Sunita Yadav	Ankit Jadli, Yukta
		Overall Topper : Sunesh			
4	B.Sc (Hons) Computer Science	I	Isha Parashar, Nabin Kumar Pal, Sanchita	Muskan Aggaarwal	Ayush Mishra, Swati Rai
		II	Aaryan, Bakul Garg, Sonu	Paarth Kabthiyal, Pranshul Joshi	Mansi Rauthan, Komal Kumari
		III	Abhishek Dhiman, Deepak Kumar, Munna Kumar Verma, Pushpender Singh Meena, Tairthik Roy, Vansh Bhardwaj	Jatin Yadav, Garima Joshi	Anannya Singh, Ankit Maity, Hirdesh Kumar, Harshita Sharma, Hitanshi Gupta, Sandeep Yadav
		Overall Topper : Swati Rai			
5	B.Sc (Hons) Electronics	I	Devesh Singhania	Rahul Gupta	Divyanshu Varshney
		II	Loocina	Aanshu Kumar	Prince
		III	Arjun Kumar Singh	Rahul Kumar	Saurabh Kumar Sakshi Jangid
		Overall Topper: Aditya Kumar Singh			

6	B.Sc (Hons) Food Technology	I	Jyoti Chauhan	Saamir Akhtar	Vaibhav Singh
		II	Arju	Tehrir Hasmullah Ansari	Saloni Gayakwad
		II	Ashmita Tanwar	Vivek Kumar Singh	Krishna Kumar Upadhyay
		Overall Topper : Vaibhav Singh			
7	B.Sc (Hons) Instrumentation	I	Arunima Tiwari	Tushar Tevtia	Paras
		II	Prakash	Karishma	Shivangi Rai, Arzoo Shakya, Shivani
		III	Manish	Srijan, Mudit Shrivastav	Bhawna, Jatin Gola, Nitin Sagar
		Overall Topper : Arzoo Shakya			
8	B.Sc (Hons) Microbiology	I	Jyotsana Bidaliya	Simran Yadav, Anjali Sagar	Ishani Sharma
		II	Simran, Naina Kataria	Aishwarya R Nair	Mohit Negi
		III	Kaushik Poddar	Kritika Garg	Shubham Sharma
		Overall Topper : Ishani Sharma			
9	B.Sc (Hons) Physics	I	Adreeja Goswami, Nithya Priya	Paras Dhir, Shivanshu	Sanchi, Vardaan Sahgal, Shubham Basera
		II	Neha, Deepak Jakhar	Anil Kumar, Kamna Biju Bhaskaran, Sumit Bagouli	Akash Kumar Meel, Dishant Yadav, Mahender Shah
		III	MD.Faisal Sulemani, Alik Mondal	Lakshmi Hariharan, Paras Kochar	Ashi Mittal, Piyush ranjan Maharana, Ritesh Kumar

		Overall Topper : Sanchi			
10	B.Sc. (Hons) Polymer Science	I	Karuna Sharma	Kritika	Smriti Anand
		II	Aashi Singh, Kajal, Palak Oberoi	Mayank	Mamta Gupta
		III	Mohd Usman	Bimal Chopra	Shubhanshu Singh
		Overall Topper : Smriti Anand			
11	B.Sc. (Hons) Zoology	I	Nitin V	Pallavi Gupta	Harshita Jangra
		II	Pradumn	Shivani Parmar	Pawan Kumar Gola
		III	Dishu	Navneeta Thakur, Pooja Bhardwaj	Varinder madhav Verma, Ishika Thakran,
		Overall Topper : Harshita Jangra Anmol			

Memorandums of Understanding signed by the college

1. Shiksha Sanskriti Uthan Nyas, for vedic maths for 2 years, signed on February 10,2022
2. Jaagruti waste paper recycling industries, an organisation for recycling of waste papers on January 24, 2022
3. With Lakshya, A society for social and environmental development, for two years , signed on January 3,2022
4. Ms. SMS Water Grace BMW Pvt. Ltd. – a Government of Delhi empaneled company for waste management in January,2022 for a period of two years and a well-defined procedure was established in the college to handle the waste generated.
5. Vision Divyang Foundation, a non-governmental organization working for the benefit of divyangjan, on November 23, 2021
6. SMITA Research Lab, a Centre of Excellence on Smart Textile, Indian Institute of Technology, New Delhi under high value research project of National importance viz; High Performance Composite Fibers funded by the Ministry of Textiles (Government of India) under prestigious National Technical Textile Mission (NTTM). The duration for MoU will be 3 years.
7. National Institute for Immunology, DBT for Science Setu programme for 3 years. Signed on September 15,2021.
8. Foundation of innovative packaging and sustainability, for a period of 1 year signed on June 30, 2021.

Short term courses conducted by the college

1. 'Leadership and Management'- Organised in collaboration with Society for Applied Value Education (SAVE) from February 06, 2022 onwards (40 hrs). Prof Siddharth Sirohi was the convener, Mr. Pawan Kumar was the coordinator, Mrs. Shweta Dua, Dr. Palle Shree, and Mr. Romey Kumar (From SAVE) were the co-coordinators.
2. 'Climate Change and Food Security Issues, Challenges and Strategies'- organized by the Department of Botany from January 3 to February 12, 2022 (40 Hrs.). Prof. N.S. Abbas was the convener and Dr. Sujata Bhardwaj was the co-convener. Dr. Gurumayun Suraj Sharma and Dr. J. Dinakaran were the coordinators, Dr. Julie Thakur was the co-coordinator.
3. 'Immunological Techniques and their Applications' - organized by the Department of Zoology in collaboration with the Department of Zoology, University of Delhi from October 22 to November 09, 2021 (40 Hrs.). This course has also served as an outreach program for the Department of Zoology, Indira Gandhi Government College, Tezu, Arunachal Pradesh under Vidya Vistar Scheme. Prof. A. K. Bali was the convener. Dr. Reetuparna Basak was the coordinator and Dr. Alivia Roy was the co-coordinator.
4. 'Website Development Techniques'- organized by the department of Computer Science with Apke Solutions LLP from October 22 to December 05, 2021 (40 Hrs.). Prof. Sangeeta and Dr. Manu Kataria were the conveners. Dr Jayant Sharma was the coordinator.
5. 'राष्ट्रीय शिक्षा नीति 2020 द्वारा नवभारत निर्माण, Making of Nav Bharat Through NEP-2020' on implementation of New Education policy' - organised in association with Centre for

Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi during October 20 to 26, 2021. Dr Vandana Batra was the convener. Prof Avneesh Mittal and Prof Siddharth Sirohi were the co-conveners.

6. 'Youth and Climate Change'- organised in association with LAKSHYA during October 3 to 17, 2021. Dr Uma Chaudhary was the convener. Dr Franky Varah was the co-convener and Dr Gunjan Sirohi, Dr Krishna Dutt and Dr Sampat Singh Chauhan were the coordinators.
7. 'Innovative Packaging and Sustainability'- organised in collaboration with Foundation for Innovative Packaging and Sustainability (FIPS), Mumbai during July 26 to August 28, 2021. Dr Sushmita Sadhu and Dr Meenakashi Garg were the convener.
8. 'Fitness Management'- organised in association with the Department of Physical Education and Sports Sciences (University of Delhi) from July 18 to September 12, 2021. Prof Siddharth Sirohi was the convener.
9. 'Leadership and Management'- organised in collaboration with Society for Applied Value Education (SAVE) from June 21 to August 26, 2021 (40 hrs). Prof Siddharth Sirohi was the convener.
10. 'Environment Friendly Teaching Learning Practices' - organized from June 5 – July 11, 2021. The course was inaugurated on the occasion of World Environment Day Celebration June 5, 2021 as a tribute to Mr. Sunderlal Bahuguna. The course was brought to an end with the valedictory function on July 11, 2021 i.e., World Population Day. Prof Avneesh Mittal was the convener.

Research And On-going Projects in the college

Extramural Projects (Ongoing)

S. No.	Project Title	Principal Investigator	Funding Agency	Sanctioned Amount (Rs.)	Duration
1.	ARMEd: Antimicrobial resistance mitigation and eradication using blended learning approach - social media, outreach and awareness activities.	Prof. Uma Chaudhry and Prof. Avneesh Mittal	DST	17.91 lakhs	2020-2022
2.	Exploring moonlight enzyme, glutamate racemase, of Neisseria gonorrhoeae as a target for anti-gonococcal drug discovery.	Prof. Uma Chaudhry and Dr. Bishwajit Kundu (IIT, Delhi)	ICMR	22.60 lakhs (for Dr. Uma Chaudhry)	2019-2022

Ph.D. Students (Currently registered)

S.No.	Name of the Ph.D. Student	Supervisor	Year of Registration	Affiliated Department and University
1.	Ms. Ritika	Dr. Rizwana	2021	Department of Home Science, University of Delhi
2.	Ms. Neha Singh	Dr. Meenakshi Garg	2021	Department of Home Science, University of Delhi
3.	Ms. Priyanka Prajapati	Dr. Meenakshi Garg	2021	Department of Home Science, University of Delhi

4.	Mr. Sandeep Kumar	Dr. S. K. Shukla	2021	Department of Chemistry, University of Delhi
5.	Mr. Sandeep	Dr. S. K. Shukla	2021	Department of Chemistry, DCR University, Muthal
6.	Ms. Manisha Sharma	Dr. S. K. Shukla	2021	Department of Chemistry, DCR University, Muthal
7.	Mr. Shivraj Singh	Prof. S. Sirohi	2021	Amity University, Noida
8.	Ms. Aarti Malyan	Prof. Geeta Mongia	2021	Department of Electronic Science, University of Delhi
9.	Ms. Tanu Gupta	Dr. Shalini Sehgal	2021	Department of Home Science, University of Delhi
10.	Ms. Amandeep Kaur Kang	Dr. Uma Dhawan	2019	ACBR, University of Delhi
11.	Ms. Garima Tanwar	Dr. Uma Dhawan	2019	ACBR, University of Delhi
12.	Mr. Pramod Yadav	Prof. Uma Chaudhry Joint Supervisor: Dr. Bishwajit Kundu, IIT, Delhi	2019	ACBR, University of Delhi

13.	Ms. Priyanka Singh	Dr. Meenakshi Garg (Joint Supervisor) Supervisor: Dr. Rajni Chopra, Institute of Home Economics, University of Delhi	2019	Department of Home Science, University of Delhi
14.	Ms. Gazala Riaz	Dr. Meenakshi Garg (Joint Supervisor)	2019	Department of Home Science, University of Delhi
15.	Ms. Aakriti	Dr. Meenakshi Garg (Joint Supervisor)	2019	Department of Home Science, University of Delhi
16.	Ms. Shiffali	Dr. Uma Dhawan Joint Supervisor: Dr. Vibha Taneja, Sir Ganga Ram Hospital, New Delhi	2019	ACBR, University of Delhi
17.	Mr. Sudhir Kumar Gupta	Prof. Sangeeta Srivastava	2019	Department of Computer Science, University of Delhi

DBT STAR COLLEGE SCHEME

A Decade of Star College Scheme of DBT and going strong

Prof. Balaram Pani (Principal), Chairman, Star College Scheme (till December 16, 2021)

Prof. Avneesh Mittal, Chairman, Star College Scheme (from December 17, 2021 onwards)

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 include 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

Mr. Bhavya Deep, Coordinator, Department of Computer Science

Dr. Inderbir Kaur, Coordinator, Department of Electronics (till May 2021)

Dr. Jitender Kumar, Coordinator, Department of Electronics (from December 18, 2021 onwards)

Dr. Manoj K. Tiwari, Coordinator, Department of Instrumentation (from December 18, 2021 onwards)

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.

To list a few activities conducted under Star Scheme -I and II:

- Inter College Hands-on Training Workshop on PFMS Module on January 11, 2022, an event attended and appreciated by the faculty and staff of the Star participating colleges from all over the country. Ms. Ritu Sareen and Mr. Rajeev from the college Administration were the resource persons for this National level Workshop.
- Bhaskaracharya College of Applied Sciences was selected by the Department of Biotechnology, Government of India for organizing 'One Day Interaction Programme/ Science Adda' on December 17, 2021, for school students to showcase Science, Technology, and Innovation under the aegis of Azadi ka Amrit Mahotsav. The interaction was in hybrid mode (online and offline) and included lectures and demonstrations of experiments by science faculties of the participating departments of the college. The interaction with over a hundred school students was designed to impart new insights into various fields.

Vidya Vistar Scheme

(Coordinators: Dr. Vandana Batra, Dr. Amit Kumar, Dr. Parth S Pal, Ms. Ritu Sareen)

Vidya Vistar (V2) Scheme, **an initiative introduced by University of Delhi in 2021**, for developing academic corporation between college of University of Delhi with those Universities/Colleges/Institutes situated in remote areas of India with an aim to share academic resources, joint research publications exposure and interaction of students and teachers with each other.

The **inauguration** of our college- V2 scheme was formally inaugurated by The Honourable Vice Chancellor, University of Delhi on August 14, 2021 where the college collaborated with Indira Gandhi Government College (IGGC) Tezu, and Government College (GC) Bomdila, of Arunachal Pradesh State. A virtual Tour of the Department of Chemistry, Botany, Physics, Zoology and Mathematics was organized by the college in between September 14-20 ,2021, in which faculty members of IGGC, Tezu and the college participated. Our faculty showcased the laboratory equipment, performed experiments and discussed availability of study materials and chemicals as well as setting up of respective Laboratory.

V2 scheme committee members took the initiative to facilitate Delhi University Library system (DULS) facility to all the students and faculty of Tezu n Bomdila colleges, in December 2021 so that access of all the journals, books and other study material of DULS are available to them.

- V2 Scheme organized a talk on "Health sector: Engine of Economic Growth " on January 6, 2022 where resource persons Divya Aggarwal and Dr. Sumesh talked about job opportunities and higher education for undergraduate students, in the health sector.
- V2 scheme in association with National Education Policy (NEP) task force committee has organized an online webinar on the theme “राष्ट्रीय शिक्षा नीति और भारतीय ज्ञान परम्परा” on January 29, 2022 successfully. Resource person Prof. Hare Ram Tripathi (VC, Sampuranand Sanskrit Vishwavidyalaya, Varanasi) emphasized how the different policy points of NEP 2020 can be achieved by considering ancient Indian wisdom in sight.
- V2 scheme in association with Career Counselling Cell of the college organized an online career assessment Test from February 28,2022 to March 5, 2022 where students of all three colleges are able to assess their ability for job prospective.

Workshop and Seminar Organized by the College

- Organised a 5-day National Workshop on 'Rapid Detection of Food Adulterants' in hybrid mode that was **sponsored by the Indian Council of Social Science Research**, New Delhi. The technical support for live streaming the workshop online was provided by e-food tech pathshala.com. The main purpose of the workshop was to create awareness amongst the consumers about simple methods of identifying common food adulterants. It was held from Feb 21, 2022 to Feb 25, 2022. Dr. Eram S. Rao was the convener and Dr. Manjeet Singh Barwa was the co-convener. Dr. Purnima Anand, Dr. Roshan Lal, Dr. Sakshi Khurana, Dr. Anil Barak, Dr. Manisha Thakur and Dr. Swati Gupta were the members in the organising team for this event.
- Organised a 2-Day National Seminar on "Women Empowerment: Challenges Need and Issues" held from March 7-8, 2022, **sponsored by the Indian Council of Social Science Research**,. The seminar emphasized that building theoretical frameworks alone cannot fulfil the objective of women empowerment. There is a need to build women's capacity through training and non-formal education so that they are able to access and exterminate the root cause of both social and financial inequality in local communities. This would facilitate them to achieve self-reliance and sustainability. On Day one Dr. Ranjana Aggarwal, Director CSIR NISTAIDS, New Delhi and Ms. Arti Jaiman, Director Gurgaon ki awaaz, Samudayik radio station were the resource persons. On the second day, Dr. Pritam Sangwan (Joint Director and Scientist 'E' CFEES, DRDO, Delhi), Ms. Bhawna Gupta (Advocate, Punjab & Haryana High Court), Dr. Sunita Sehrawat (Assistant Professor, G.D Goenka University) were the resource persons. Dr. Vandana Batra was the convener and Dr. Manjeet Singh was the co-convener of this event. Dr. Eram S. Rao, Dr. Neha Singh, Dr. Shubhra Barwa, Dr. Shikha and Dr. Anjali were part of the organising team.

Project: Nadi ko Janno

(Convenor: Dr. Shivani Vermani)

The 'Nadi ko Janno' committee of the college, organized workshops for the faculty and students in association with Bhartiya Shikshan Mandal, Delhi Prant during the year with the aim to know your rivers, a campaign for crowdsourcing data about rivers. About 500 participants including teachers, students and non-teaching staff actively participated in the workshops. Prof. Balaram Pani, Dean of Colleges, University of Delhi, promoted the campaign and highlighted the importance of Indian rivers and their associated culture.

- Organised a workshop on 'Know Your Rivers' in association with Bhartiya Shikshan Mandal on February 05, 2022. The workshop aimed at providing the primer to all the registered students of the college about the campaign, the importance of rivers, and how to upload the data for the river in the Nadi ko Janno portal. The students were able to understand how to upload the data on the 'Nadi Ko Janno' portal. The website, blogs and YouTube channel have been created on Nadi ko jano for submitting the views, suggestions etc. Dr. Satyam Dwivedi, of the college delivered a lecture on rivers and explained the basic information about Indian rivers, history, and their importance. He showcased a live demonstration about the data we need to collect and how to upload the data in the designated Nadi ko jano portal. The second speaker of the workshop Dr. Amarjeet Singh, a member of Nadi ko jano, Delhi Prant explained about the information we need to collect and upload in the portal? And explained how to activate the account and fill the data in the portal.
- Organised a workshop on 'Know Your Rivers' in association with Bhartiya Shikshan Mandal on January 8, 2022. The major objective of this workshop was to know the facts about the rivers in the neighbourhood and a campaign for crowdsourcing data about rivers. Dr. Babita Singh, Bhartiya Shikshan Mandal; Mr. Aakash Upadhyay were resource persons.

ACHIEVEMENTS OF DEPARTMENTS, FACULTY & STUDENTS

DEPARTMENT OF BIOCHEMISTRY

Departmental Activities

- Organized the ‘Azadi ka Amrit Mahotsav’, a student connect initiative, conducted by DBT for the online program on November 8, 2021.
- Organized an inter-departmental virtual workshop in collaboration with the Department of Microbiology on ‘Analyzing Spectrophotometric Data through MS Excel for Quantitative estimation of Biomolecules’ on July 5, 2021.
- Organized an interdisciplinary workshop on ‘Basics of Biosensors and its Techniques’ in collaboration with the Departments of Microbiology and Electronics from March 17-18, 2021.
- Organized inter-college workshop on ‘Instrumental Analysis of Materials’ as a collaborative event with the Departments of Instrumentation, Food Technology and Polymer Science from March 15-19, 2021.

FACULTY ACHIEVEMENTS

Dr. Anita Sondhi

- Coordinated and attended the online National workshop on ‘Hands-on -Training Workshop on PFMS module’ on January 11, 2022.
- Attended a UGC sponsored short term course on ‘Implementation of National Education Policy (NEP) 2020’ conducted by CPDHE from October 20-26, 2021.
- Attended workshop on ‘Read and Publish’ & Author’s publishing journey organized by University of Delhi in association with Cambridge University press on July 8, 2021.
- Attended the online Workshop on ‘Psycho-Social Skills of a Good Helper: Tackling the COVID pandemic’ organized in association with Mahatma Gandhi National Council for Rural Education, Ministry of education, Government of India on June 30, 2021.

DEPARTMENT OF BIOMEDICAL SCIENCE

Department Activities

- Organized an intercollege online Essay Writing Competition on ‘World Peace Through the Lens of Science’ to commemorate International Week of Science and Peace from November 8-14, 2021. Dr. Uma Dhawan was the convener for this event.
- Organized ‘Brain Awareness Day’ jointly with Amity Institute of Neuropsychology and Neurosciences, Amity University, U.P. as a part of the International Brain Research Organization (IBRO)-DANA foundation funded Brain Awareness week was held on November 11, 2021. Dr. Uma Dhawan from the college and Dr. Mallika Chatterjee

from Amity University were the conveners. Dr. Rachna Mehta, Dr. Mallika Chatterjee, Prof. Rita Kumar (Amity University) were the resource persons.

- Organized an International workshop on ‘Science Communication and the Art of Writing about Science’ jointly with the Career counselling cell on October 9, 2021. Dr. Uma Dhawan was the convener and Dr. Anusha Krishnan, Science Writer and Editor was the resource person.
- Organized an intercollege online Wildlife Photography Competition on ‘Animals in Monochrome’ to commemorate wildlife week from October 2-8, 2021. Dr. Uma Dhawan was the convener.
- Organized an intercollege online Doodle Art Competition on the ‘Theme Genomics’ from October 1-10, 2021. Dr. Uma Dhawan and Dr. Shvetambri were the conveners.

FACULTY ACHIEVEMENTS

Prof. Uma Chaudhry

- Selected for best teacher award by Department of Higher Education, Govt. of NCT, Delhi, 2020-21.
- Attended a national level hand-on training workshop on ‘PFMS – Module’ on January 11, 2022.
- Participated in an online workshop on ‘Variants of PCR and its Application’ organized by Cyto -Gene Research & Development, Lucknow from October 22-24, 2021.

Dr. Shivani G. Varmani

- **Varmani, S. G.**, Chowhan, R. K., Sharma, I., & Narang, R. (2021). Covid-19 and cardiovascular disease: Clinical implications of Biochemical Pathways. *Journal of the Practice of Cardiovascular Sciences*, 7(2), 97-107, 2021.
- Katoch, M., Prabha, S., Vaid, Y. M., Mishra, C., Dash, S., Sharma, D., & **Varmani, S. G.** (2021). Lifestyle, immunity and covid-19: An amalgamation of Modern Science and ayurvedic perspective. *Journal of Clinical and Diagnostic Research*. 15(10), 2021
- Pani, B.; Rajput, N.;. **Varmani, S.G.** ; & Khosla, R. (2021) ‘Concepts in Environmental Studies’ ISBN – 9789390620456 I.K International publishing house pvt. Ltd. Link <https://www.ikbooks.com/books/book/earth-environmental-sciences/concepts-environmental-studies/9789390620456/>
- Kapoor, N. and **Varmani, S.G.** (2021) 'Block-I: Introduction to Immunology': Unit-I: Overview of the Immune System’ ISBN : 978-93-89969-15-3, IGNOU, Link: <https://egyankosh.ac.in/handle/123456789/77421>,
- Kapoor, N. and **Varmani, S.G.** (2021) 'Block-I: Introduction to Immunology': Unit II - Components of Immune System – I’ IGNOU ISBN : 978-93-89969-15-3, Link : <https://egyankosh.ac.in/handle/123456789/77422>, .

- Kapoor, N. and **Varmani, S.G.** (2021) 'Block-I: Introduction to Immunology': Unit III - Components of Immune System – II', IGNOU.. ISBN : 978-93-89969-15-3, Link: <https://egyankosh.ac.in/handle/123456789/77423>
- Kapoor, N. and **Varmani, S.G.** (2021) 'Block-III: Working of the Immune System': Unit-X - Working of Immune System - II'. IGNOU. ISBN : 978-93-89969-15-3, Link: <https://egyankosh.ac.in/handle/123456789/80010>
- Attended workshop on 'Building Emotional Agility' organized by NAAC Committee of the college from March 7 & 9, 2022.
- Attended workshop on 'Government e-Marketplace (GEM)' organized by the Central Purchase committee of the college from January 27-28, 2022.
- Attended webinar on 'Geo-tagging' organized by Photography club of the college on December 30, 2021.
- Attended workshop on 'Student Satisfaction Survey' organized by Internal Quality Assurance cell of the college on November 12, 2021
- Attended workshop on 'Login Feature of College Website' organized by the Website and Internet committee of the college on October 25, 2021
- Attended workshop on 'Decoding BEAMS' organized by the Digitization and Automation committee of the college on September 1, 2021
- Attended workshop on 'Decoding BRAHMA' organized by Digitization and Automation committee of the college on August 24, 2021
- Attended an awareness programme on 'Bioinformatics and Computational Biology' organized by Department of Biomedical Science of the college and Indian Institute of Technology, Delhi on August 21, 2021.

Dr Uma Dhawan

- Recipient of INSA Teachers Award (2021), Indian National Science Academy, Delhi, India.
- Nodal Officer and Convener, Science Setu Outreach Program in association with National Institute of Immunology, New Delhi.
- Invited as an Academic expert in the biomedical field to revise the curriculum of B.Voc Biomedical Sciences, Department of Vocational Studies and Skill Development at Central University of Haryana as advised in NEP-2020.
- Saini S; Agrawal, M., Pradhan, A., Dhawan, G., **Dhawan, U***, & Kumar, Y*. Exploring the role of framework mutations in increasing the breadth of cross-reactive antibody (CR3022) against the SARS-CoV-2 RBD and its variants of concern. On-line *Journal of Biomolecular Structure and Dynamics*, 2022). <https://doi.org/10.1080/07391102.2022.2030800>.
- Attended UGC-sponsored Short Term Course on 'Implementation of National

Education Policy 2020’ organized by CPDHE, University of Delhi from October 20-26, 2021

- Attended webinar on ‘Indian Rivers: Ancient Culture and Modern Science’ jointly organized by the Swacchta and e-Waste Management committee and Biological and Chemical Waste Management committee on September 15, 2021.
- Attended online workshop on “Decoding BRAHMA” organized by Digitization & Automation Committee, of the college on August 25, 2021
- Attended National webinar on ‘Covid 19: Immunization Awareness’ on the occasion of National Vaccine Festival under the NSS awareness Programme of the college on April 14, 2021.
- Attended National webinar on ‘Covid 19: Precautions & Cure’ under the NSS Awareness Programme of the college to help the public amid the 2nd Covid wave on April 10, 2021
- Dhawan, G; Singh, I; **Dhawan***, U. & Kumar, Pradeep. (2021) *Synthesis and Characterization of Nano-Selenium: A Step-by-Step Guide for Undergraduate Students. Journal of Chemical Education*, 98(9), 2982-2989. <https://doi.org/10.1021/acs.jchemed.0c01467>.
- Chugh, H. ; Dhawan, G.; Chandra, R.; & **Dhawan***, U. (2021).Microarrays: A Road Map to Uncover Host Pathogen Interactions. In: Hameed S., Fatima Z. (eds) Integrated Omics Approaches to Infectious Diseases. *Springer-Nature Publication*, Singapore, (ISBN: 978-981-16-0690-8) https://doi.org/10.1007/978-981-16-0691-5_8
- Khurana, S. ; **Dhawan, U. &** Taneja, V. (2021). Noncoding RNA Profiling: Potential Application in Infectious Diseases. In: Hameed S., Fatima Z. (eds) Integrated Omics Approaches to Infectious Diseases. *Springer-Nature Publication*, Singapore, (ISBN: 978-981-16-0690-8) https://doi.org/10.1007/978-981-16-0691-5_10
- Kang, A.K. ; Lynn, A.M. ; & **Dhawan***, U. (2021)Deciphering the Role of Epigenetic Reprogramming in Host-Pathogen Interactions. In: Hameed S., Fatima Z. (eds) Integrated Omics Approaches to Infectious Diseases. *Springer-Nature Publication*, Singapore,. (ISBN: 978-981-16-0690-8).

Dr Kapil Roy

- Attended International symposium on ‘Chemical wisdom by her’ organized by Department of chemistry, Deshbandhu College, University of Delhi on January, 31 2022.
- Attended online workshop ‘Know your Rivers’ organized by the Nadi ko Jano committee of the college on January 8, 2022
- Attended International virtual conference on ‘Chemistry – Frontiers & Challenges (ICCFC – 2022)’ organized by PSGR Krishnammal College, Tamil Nadu on January 5-7, 2022.

- Attended Science Setu Talk on ‘Understanding the Basics of Cancer Biology and a Recent Effort Towards the Detection of Colon Cancer’ organized by the college on November 9, 2021
- Attended webinar on ‘Art and Science of Career Goals Setting’ organized by the Department of Computer Science of the college on October 22, 2021.
- Attended International conference 'Recent Trends in Drug Discovery and Development' organized by Chemistry Department, Maitreyi College, University of Delhi on October 8-9, 2021.
- Attended workshop on ‘Decoding BEAMS’ organized by Digitization & Automation committee of the college on September 1, 2021.
- Attended National webinar on ‘Technological Advancements for Cleaner Waste Management: Road Ahead and Opportunities’ organized by Department of Chemistry of the college on August 25, 2021.
- Attended workshop on ‘Decoding BRAHMA’ organized by Digitization & Automation committee of the college on August 23, 2021.
- Attended FDP on ‘Applied Chemistry: A catalyst for scientific transformations’ organized by the Chemistry Department, SGT University, Gurugram on August 23-28, 2021.
- Attended National webinar on ‘My Life with Rocket Science’ organized by Extracurricular committee of the college held on July, 8 2021.
- Attended online workshop ‘Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by NAAC committee of the college on June 30, 2021.
- Attended National webinar on ‘Covid 19: Immunization Awareness’ under the NSS Awareness Programme of the college on April 14, 2021.
- Attended National webinar on ‘Covid 19: Precautions & Cure’ under the NSS Awareness Programme of the college on April 10, 2021.
- Attended International workshop on ‘Energy storage technology for e-Mobility’ organized by Department of Chemistry, SRM institute of science and technology, India on March 25-27, 2021.

Dr Neha Singh

- Attended one day online workshop on ‘Different Aspects of Research’ organized by Research & Project Assessment committee in collaboration with Department of Botany of the college on February 16, 2022.
- Attended a two day workshop on ‘Government e- Marketplace (GeM)’ organized by the Central Purchase committee of the college on January 27-28, 2022.
- Resource person for workshop on ‘Familiarization with MS Teams’ for I Year students on November 22 - 28, 2021.

- Attended Science Setu Talk ‘Understanding the Basics of Cancer Biology and a Recent Effort Towards the Detection of Colon Cancer’ organized by the college on November 9, 2021.
- Attended workshop on ‘Login Feature of College Website’ organized by the Website and Internet committee of the college on October 25, 2021
- Attended International workshop on ‘Science Communication and the Art of Writing about Science’ jointly organized by the Career counselling Cell and Department of Biomedical Science of the college on October 9, 2021.
- Attended online workshop on ‘Decoding BEAMS’ organized by the Digitization & Automation committee of the college on September 01, 2021
- Attended online Workshop on ‘Decoding Brahma’ organized by the Digitization & Automation committee of the college on August 23, 2021.
- Completed two week Interdisciplinary International Refresher course on ‘Academic Bank of Credits (ABC) Scheme in Higher Education, UGC Regulation 2021’ (With reference to Blended Learning)’ from July 7 – 20, 2021.
- Attended online Faculty Development Program on ‘Environmental Audit’ organized by Department of Botany and Zoology, Kirori Mal College University of Delhi, from June 28 -July 2, 2021.
- Attended National webinar on ‘Ecological Entrepreneurship for Personal Excellence, Social Equity and Global Sustainability’ held on June 5, 2021

Dr Shubra Barwa

- Successfully completed the National workshop on ‘Rapid Detection of Food Adulterants’ organized by the college from February 21-25, 2022.
- Participated and completed the 'Nanomaterials Virtual Lab Training and Applications (Module –1) under NEAT Program’ jointly organized by Bhagini Nivedita College, Shivaji College, Motilal Nehru College and Bhaskaracharya College of Applied Sciences, University of Delhi on January 27, 2022.
- Participated in an e-workshop on ‘Advanced Spectroscopy for Emerging Materials’ organized by the CSIR-National Physical Laboratory, New Delhi from December 22-23, 2021.
- Coordinated and participated in the workshop on ‘Event coordination and database management’ organized by NAAC committee of the college on November 22 and 25, 2021
- Participated in Faculty Development Programme on ‘OBE: Road ahead to Advanced Educational Quality and Enhance Global Mobility’ organized by Kongunadu Arts and Science College, Tamil Nadu India from November 10-17, 2021

- Participated in the International webinar on ‘Hindi’s Global Expansion: Challenges and Measures’ organized by Department of Chemistry of the college on September 14, 2021
- Participated in International webinar on ‘Journey from biology to machine learning’ organized by the Department of Microbiology of the college on September 6, 2021
- Participated in workshop on ‘Decoding Brahma’ organized by the Digitization and Automation committee of the college on August 24, 2021
- Participated in the National virtual hands-on workshop on ‘Tools used in Biostatistics Research and Training’ organized by Department of Botany, Ramjas College, University of Delhi on August 13-14, 2021
- Participated in workshop on ‘Digital interventions in Public Health’ organized by the Digitization and Automation committee of the college on July 14, 2021

Dr. Shvetambri

- Resource Person for the short- term course on ‘Environment Friendly Teaching Learning Practices organized by the college from June 05-July 11, 2021.

Students’ Achievements

- Avi, Tanmay Devgan, Ashima Jha, Deva Singh, Ramesh Munda and Rahul Pal of BMS 3rd Year were selected for the Swachata Saarthi Fellowship 2021-22 and have received the award letter as a part of Waste to Wealth Mission, Government of India.
- Ashima Jha of BMS 3rd Year was invited as a Guest Speaker by St. Patrick School, Philippines for First International virtual conference on Values Education with the theme ‘A Crisis in Values or Values in Crisis: Values Education under the imprint of the COVID-19 Pandemic’ from February 18-20, 2022.
- Ashima Jha of BMS 3rd Year has been appointed as a Student Individual SPSC Ambassador (Sustainable Procurement and Supply Chain Ambassador) in personal capacity by iso20400plus on February 8, 2022.
- Ashima Jha of BMS 3rd Year was awarded a Certificate of Appreciation for being a speaker at the 5th Global Peace Conference organized by Global Peace Foundation, Dubai on January 23, 2022.
- Ashima Jha of BMS 3rd Year was awarded the Best Delegate Award at Jaipuria International Model United Nations Conference (MUN) 2021-22, on Virtual mode organized by Jaipuria Institute of Management, Noida on 15th and 16th January 2022.
- Ashima Jha of BMS 3rd Year was awarded Best Delegate Award in ISBF Model United Nations Organized by Indian School of Business and Finance, awarded by University of London from November 20-21, 2021.

- Sudiksha Gupta of BMS 3rd year awarded 2nd prize in the Eco friendly Rangoli competition on 'Fight against corona or Indian Sanskriti' organized by Department of Botany of the college on November 4, 2021
- Ashima Jha of BMS 3rd Year was invited as a Guest Speaker by St. Patrick School, Philippines for 'Unmuting Today's Generation: A call to Action on SDGs' on October 29, 2021.
- Ashima Jha of BMS 3rd Year was appointed as the Chairperson in the United Nations Climate Change conference organized by the University of Windsor and Silver Fern Education at the John's Model United Nations, held on October 22-24, 2021.
- Sudiksha Gupta of BMS 3rd yr was awarded 1st prize in essay writing competition on the theme 'Importance of Wildlife for Ecosystem' organized by Eco Club of the college from October 2-8, 2021
- Ashima Jha of BMS 3rd Year was invited as the Key Note Speaker on the topic 'Biomedical Waste Management' organized by Solly Bliss Foundation, Cameroon on September 25, 2021.
- Ashima Jha of BMS 3rd Year represented as an official delegate in the Arab Youth International MUN held at Dubai, and has Won two prestigious Awards in the International conference from September 17-20, 2021.
- Ashima Jha of BMS 3rd Year was awarded First prize in the 'Elocution Competition' Organized by B.K. Shroff College of Arts and M.K. Shroff College of Commerce on August 27, 2021.
- Ashima Jha of BMS 3rd Year was appointed as the Chairperson in The World Health Organization at the Lawrence School, Sanawar Model United Nations 2021 held from August 16- 18, 2021.
- Ashima Jha of BMS 3rd Year is appointed as the Peace Ambassador of India by the Global Peace Foundation, Dubai with a role to promote peace in India and across the world on July 12, 2021.
- Ashima Jha of BMS 3rd Year was awarded the Best Participant Award in Virtual Training Public Speaking (International) organized by College Collaboration and Lincoln University College, Malaysia on June 6, 2021.
- Ashima Jha of BMS 3rd Year was awarded FIRST PRIZE in 'Sustainia: Slogan Writing & Poster Making Competition' organized by the college on June 5, 2021.
- Ashima Jha of BMS 3rd Year was appointed as the Deputy Chairperson of UNHRC in IIT Delhi, Model United Nations on March 26-27, 2021.

DEPARTMENT OF BOTANY

Departmental Activities

- Organized a 'Field Trip to Yamuna Biodiversity Park', Wazirabad, Delhi on March 31, 2022, for the second-year students. Dr. Dinakaran and Dr. Julie Thakur were the teacher coordinators.
- Organized an educational visit to the Indian Agricultural Research Institute (IARI), New Delhi on March 30, 2022, for the third-year students. Dr. Dinakaran and Dr. Shikha Srivastava were the teacher coordinators.
- Organized an educational visit to a 'Herbal Park, Sector-19, Dwarka', Delhi on March 28, 2022, for the second-year students. Dr. Sujata Bhardwaj and Dr. Dinakaran were the teacher coordinators.
- Organized a 'Tree Census Drive' in collaboration with the Eco-club of the college on the college campus on March 26, 2022. Prof. N.S. Abbas was the convenor, Dr. Gurumayum Suraj Sharma was the coordinator.
- Organized an Inter-college e-Poster making competition on the theme 'Herbal-o-holic' as a part of an awareness campaign on the occasion of Holi by Phytomics- The Botanical society of the college on March 18, 2022. Prof. N.S. Abbas and Dr. Sujata Bhardwaj were the conveners, Dr. Julie Thakur and Dr. J. Dinakaran were the coordinators.
- Organized the 'Annual Botanical Fest, Blossom III' on March 9, 2022 by Phytomics- The Botanical society of the college. A seminar on the topic 'Connecting the Dots: The Way Forward' and various events such as Quinundrum, Test Your Sentidos, BGT 2.0, Beg Borrow Steal, Solve the Mystery, Mad Ads and several fun games were organized. Prof. N.S. Abbas and Dr. Sujata Bhardwaj were the convenors of the event.
- Organized an online two-days international workshop on 'Ayurveda: Wellness Begins with Understanding yourself' by Phytomics- The Botanical society of the college from February 22-23, 2022. Dr. Manisha Mittal, an Ayurveda professional, at Swastik Clinic, Pennsylvania, USA delivered highly informative lectures to create awareness about the importance of Ayurveda in our lives. Prof. N.S. Abbas was the convener, Dr. Sujata Bhardwaj was the co-convenor, Dr. J. Dinakaran and Dr. Julie Thakur were the coordinators.
- Organized an online Alumni Interactive Session on 'Reminisce, Reconnect and Reflect' by Phytomics- The Botanical society of the college on February 20, 2022. Prof. N.S. Abbas was the convener, Dr. Sujata Bhardwaj was the co-convenor, Dr. Julie Thakur and Dr. J. Dinakaran were the coordinators.
- Organized a one-day workshop on 'Different Aspects of Research' in collaboration with the research and project assessment committee on February 16, 2022. Prof. N. B. Singh, Department of Chemistry and Biochemistry, Sharda University, Greater Noida, U.P. was the resource person. Prof. N.S. Abbas was the Convener and Dr. Sujata Bhardwaj was the co-convener.

- Organized an online career counseling session on 'Fostering for higher studies: preparation and practices for entrance examinations' exclusively for the third-year students by Phytomics- the Botanical society of the college from February 10-18, 2022. The session was convened by Prof. N.S. Abbas and Dr. Sujata Bhardwaj, coordinated by Dr. Sonia Devi and Dr. J. Dinakaran.
- Organized inter-college poster-making and collage-making competitions on the theme 'Raise Awareness about the Importance of Wetlands' on the occasion of The World Wetlands Day by Phytomics- The Botanical society of the college on February 2, 2022. Prof. N.S. Abbas was the convener, Dr. Sujata Bhardwaj was the co-convenor, Dr. Julie Thakur and Dr. J. Dinakaran were the coordinators.
- Organized an online short-term course for 40 hours on 'Climate Change & Food Security: Issues, Challenges & Strategies' by Phytomics- The Botanical society of the college from January 3, 2022, to February 12, 2022. Prof. N.S. Abbas was the convener, Dr. Sujata Bhardwaj was the co-convenor, Dr. Gurumayum Suraj Sharma and Dr. J. Dinakaran were the coordinators. Dr. Julie Thakur was the co-coordinator.
- Organized a workshop cum an outreach activity on 'Fostering Scientific Temperament: Vision 2021-22' for rural school students of Sant Kirpal Model Senior Secondary School, Delhi by Phytomics- The Botanical society of the college on December 17, 2021, in a physical mode. Prof. N. S. Abbas was the convener, and Dr. Sujata Bhardwaj was the co-convener.
- Organized an 'Orientation Program' for the newly admitted students on November 20, 2021. Prof. N.S. Abbas convened the event.
- Organized an eco-friendly-rangoli competition on the occasion of Diwali, November 4, 2021 by Phytomics- The Botanical society of the college. The themes of the event were 'Fight against corona' and 'Indian Sanskriti'. Prof. N.S. Abbas and Dr. Sujata Bhardwaj were the conveners, Dr. Julie Thakur and Dr. J. Dinakaran were the coordinators.
- Organized a 'Plantation Drive on the College Campus' by Phytomics- The Botanical society of the college on October 25, 2021. Prof. N.S. Abbas and Dr. Sujata Bhardwaj were the conveners.
- Organized a collage-making competition on the occasion of Gandhi Jayanti on October 2, 2021 by Phytomics- The Botanical society of the college. The theme of the event was 'Mahatma: Father of the Nation'. Prof. N.S. Abbas and Dr. Sujata Bhardwaj were the conveners of the event.
- Organized an interaction with the Faculty of members of Indira Gandhi Government College, Tezu, Arunachal Pradesh under the Vidya Vistar Scheme through a virtual meeting on September 19, 2021. Prof. N.S. Abbas convened the event.
- Organized a National webinar on 'Present and Past Scenario of Ozone Depletion: Consequences and Montreal Protocol' by Phytomics- The Botanical society of the college to commemorate International Ozone Day on September 16, 2021. Dr. Richa Rai, Senior Scientist from Plant Ecology and Climate Change Sciences Division, CSIR-

National Botanical Research Institute (NBRI), Lucknow delivered an interesting talk. Prof. N.S. Abbas and Dr. Sujata Bhardwaj were the conveners, Dr. Julie Thakur and Dr. J. Dinakaran were the co-ordinators.

- Organized the ‘Swachhta pledge-taking ceremony’ on September 1, 2021, where faculty members, students, and non-teaching staff participated and took the pledge to keep our country neat and clean. The department also organized a ‘Cleanliness Drive’ on September 6, 2021. Prof. N.S. Abbas convened the event.
- Organized inter-college poster-making and nature photography competitions on the occasion of the World’s Environment Day, on June 5, 2021. The theme of the event was ‘The positive impact of COVID 19 on the Earth’. Prof. N.S. Abbas was the convener, Dr. Sujata Bhardwaj was the co-convenor, Dr. Julie Thakur and Dr. J. Dinakaran were the coordinators.
- Organized an International seminar on ‘Earth and Climate Change Impacts: Can Carbon Capture, Utilization, and Sequestration (CCUS) Address the Issues’ by Phytomics- The Botanical society of the college on the occasion of Earth Day on April 22, 2021. Dr. Nimisha Tripathi, Senior Lecturer, University of Greenwich, the United Kingdom delivered an interesting talk. Dr. N.S. Abbas was the convener, Dr. Sujata Bhardwaj was the co-convenor, and Dr. Shikha Srivastava was the coordinator.
- Organized a virtual visit to NBPGR on ‘A Journey of NBPGR: Glimpses of Gene Bank, Research Opportunities, and Career Prospects & Interaction with the Director, NBPGR’ by Phytomics- The Botanical society of the college on April 20, 2021. Dr. Kuldeep Singh, Director, NBPGR, directly interacted with the students. Dr. N.S. Abbas was the convener, and Dr. Sujata Bhardwaj was the co-convenor.

FACULTY ACHIEVEMENTS

Prof. N.S. Abbas

- **Abbas, N. S.**, Arora, S., Anand, R., Bhardwaj, S., Dinakaran, J., Kaula, B. C., Nasreen, S., & Vadakan, A. B. (2021). An overview of COVID-19 PAN India. *Asian Pacific Journal of Health Sciences*, 9(2), p. 53-62.
- Participated in a workshop on ‘Login Feature of College Website’ organized by the Website and Internet committee of the college on October 26, 2021.
- Participated in a SERB-sponsored workshop on ‘Hands-on Training On Crispr/Cas9 Mediated Gene Editing In Plants’ organized by the Department of Plant Sciences, University of Hyderabad from October 3-10, 2021.
- Tripathi, A., **Abbas, N. S.**, Nigam, A., Bhardwaj, S., Kaula, B. C., & Vadakan, A. B.(2021) An Alternate Cost-effective Medium for In Vitro Regeneration of Therapeutically Important *Ocimum citriodorum* Vis. *Biosciences Biotechnology Research Asia*, **18**(3), p. 533-542.

- Participated in a two-days International online symposium on ‘Reproductive Health and Physical Fitness’ organized by Deen Dayal Upadhyaya College, University of Delhi from September 28-29, 2021.
- Successfully completed a National online workshop on ‘Blended Learning with LMS-MOODLE (Advanced)’ organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education from September 18-19, 2021.
- Participated in a National webinar ‘Teacher’s e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education’ organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under PMMMNTT of Ministry of Education, on September 9, 2021.
- Participated in a workshop on ‘Decoding BEAMS’ organized by the Digitization & Automation Committee of the college on September 01, 2021.
- Participated in a workshop on ‘Decoding BRAHMA’ organized by the Digitization & Automation Committee of the college on August 25, 2021.
- Participated in an awareness program on ‘Bioinformatics and Computational Biology’ organized by the Department of Biomedical Science of the college in collaboration with the Indian Institute of Technology, Delhi on August 21, 2021.
- Participated in a one-day National webinar on ‘The Importance of Data Visualization’ organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the PMMMNTT of Ministry of Education on August 10, 2021.
- Participated in a one-day online National workshop on ‘Good Laboratory Practices and Maintenance of Museum Specimens’ organized by the Department of Zoology of PSGVP Mandal's SIP Arts, GBP Science and STKVS Commerce College, Shahada, Dist. Nandurbar (M.S.), sponsored by the Department of Biotechnology (DBT) Star College Scheme, Government of India on July 30, 2021.
- Participated in a National webinar on ‘Injurious Invaders: Our Immune System and the Vaccines for Defense’ organized by the NAAC committee of the college on July 23, 2021.
- Successfully completed a two-day online training course on ‘Conservation Issues in India’ organized by the Government of India, Ministry of Environment, Forest and Climate Change Central Academy for State Forest Service (CASFS) P.O. New Forest, Dehradun, Uttarakhand from July 19-20, 2021.
- Successfully completed a refresher course/two-week faculty development program on ‘Outcome Based Education and Technology in Higher Education’ organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the PMMMNTT of Ministry of Education from July 14- August 3, 2021.

- Successfully completed a four-week course with a distinction on ‘Empowering Teachers for Developing Culturally Responsive Classroom’ organized by UNESCO International online Mentoring Programme Open Education for a Better World (OE4BW) from May 25-June 21, 2021.

Dr. Sujata Bhardwaj

- Tripathi, A., Abbas, N. S., Nigam, A., **Bhardwaj, S.**, Kaula, B. C., & Vadakan, A. B. (2021) An Alternate Cost-effective Medium for In Vitro Regeneration of Therapeutically Important *Ocimum citriodorum* Vis. *Biosciences Biotechnology Research Asis*, **18**(3), p. 533-542.
- Successfully completed a National online workshop on ‘Blended Learning with LMS-MOODLE (Advanced)’ organized by Guru Angad Dev Teaching Learning Center, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMNTT) of Ministry of Education from September 18-19, 2021.
- Participated in a one-day national webinar on ‘The Importance of Data Visualization’ organized by Guru Angad Dev Teaching Learning Center, SGTB Khalsa College, University of Delhi under the PMMMNMNTT, of Ministry of Education on August 10, 2021.
- Participated in an online workshop on ‘Digital Intervention in Public Health’ organized by the Digitization & Automation Committee of the college on July 14, 2021.
- Successfully completed a four-week online course with a distinction on ‘Empowering Teachers for Developing Culturally Responsive Classroom’ organized by UNESCO International on-line Mentoring Programme Open Education for a Better World (OE4BW), from May 25-June 21, 2021.
- Contributed as a coordinator in ‘The Online Career Assessment Test’ organized by the Career Counselling cell of the college in collaboration with Global services, Pearl Academy from April 14-16, 2021.

Dr. Salam Sonia Devi

- Participated in a workshop on ‘Different aspects of Research’ organized by the Research and Project Assessment committee in collaboration with the Department of Botany of the college on February 16, 2022.
- Received a minor research grant from the Institute of Eminence, University of Delhi, on the project entitled ‘Screening of potential microalgae towards phycoremediation from Yamuna River in Delhi’ on October 29, 2021.
- Participated in a workshop on ‘Decoding BEAMS’ organized by the Digitization & Automation Committee of the college on September 1, 2021.

- Participated in a workshop on ‘Decoding BRAHMA’ organized by the Digitization & Automation Committee of the college on August 25, 2021.
- Participated in a National seminar on ‘Innovation and Opportunities in Marine Bioresources & Biotechnology’ organized by Marine Biotechnology Laboratory, Department of Botany, University of Delhi & Cluster Innovation Center (CIC), University of Delhi on August 21, 2021.
- Participated in a two-day workshop on the theme ‘RS &GIS Applications in Biodiversity Conservation and Management’ organized by the Department of Wildlife Sciences, Aligarh Muslim University, Aligarh on August 17-18, 2021.
- Participated in an online workshop on ‘Digital Interventions in Public Health’ organized by the Automation & Digitization Committee of the college on July 14, 2021.
- Participated in a National webinar on ‘Black Fungus Disease (Mucormycosis) amid Covid-19 Pandemic’ organized by the Department of Botany, Rajiv Gandhi University, Arunachal Pradesh on June 14, 2021.
- Participated in a webinar on ‘Ecological Entrepreneurship for Personal Excellence, Social Equity and Global Sustainability’ organized by the college on June 5, 2021.

Dr. J. Dinakaran

- Participated in an International webinar on ‘Breast Cancer and Cervix Cancer’ organized by National Service Scheme (NSS) and Dance club (RAGE) of the college in collaboration with Dharamshila Cancer Foundation and Research Centre on the occasion of International Women’s Day held on March 8, 2022.
- Participated in a one-day workshop on ‘Different Aspects of Research’ organized by the Research & Project Assessment Committee in collaboration with the Department of Botany of the college on February 16, 2022.
- Reviewer for the Journal *Plant and Soil* (ISSN: 1573-5036), Springer Nature publication.
- Participated in the online workshop on ‘Know Your Rivers’ organized by the Nadi Ko Jaano Committee of the college on January 8 and 19, 2022.
- Participated in the webinar on ‘Geo-tagging’ organized by Photography club of the college on December 30, 2021.
- Participated in the National Seminar on ‘Know Your Rivers’ organized by the University of Delhi and Research for Resurgence Foundation (RFRF), on November 19, 2021.
- Participated in the workshop on ‘Student Satisfaction Survey’ organized by the Internal Quality Assurance Cell of the college on November 12, 2021.

- Participated in the Seminar on ‘Brain Awareness Day’ jointly organized by Amity Institute of Neuropsychology and Neurosciences, Amity University, U.P. and the college on November 11, 2021.
- Sanctioned a Minor Project on ‘Biochar Production from Agricultural Residues and their Effect on Heavy Metals Adsorption in Agricultural Soil’ as a Co-PI sponsored by the Institute of Eminence, University of Delhi, Delhi, on October 29, 2021.
- Participated in the International workshop on ‘Science Communication and the Art of Writing about Science’ organized by the Career Counselling Cell and Department of Biomedical Science of the college on October 9, 2021.
- Successfully completed Faculty Development Programme on ‘Youth and Climate Change’ organized by the college in collaboration with Teaching Learning Centre, Ramanujan College, and Catholicate College Postgraduate & Research Department of Botany under PMMMNMTT-MHRD, Government of India from October 27 – November 3, 2021.
- Participated in a workshop on ‘Login Feature of College Website’ organized by the Website & Internet committee of the college on October 26, 2021.
- Participated in an International webinar on ‘Career Opportunities in Financial Engineering’ organized by the Career Counseling Cell and Department of Computer Science of the college in association with University of Berkeley, USA on September 30, 2021.
- Reviewer for the Journal *Catena* (ISSN: 0341-8162), Elsevier publication.
- Reviewer for the Journal *Science of the Total Environment* (ISSN: 0048-9697), Elsevier publication.
- Reviewer for the Journal *Vegetos* (ISSN: 2229-4473), Springer Nature publication.
- Participated in a workshop on ‘Decoding BEAMS’ organized by the Digitization & Automation Committee of the college on September 1, 2021.
- Reviewer for the Journal *Plant and Soil* (ISSN: 1573-5036), Springer Nature publication.
- Reviewer for the Journal *Proceedings of the National Academy of Sciences, Biological Sciences (NASB)* (ISSN: 2250-1746), Springer Nature publication.
- Participated in a workshop on ‘Decoding BEAMS’ organized by the Digitization & Automation Committee of the college on August 25, 2021.
- Participated in a National webinar on ‘My Life with Rocket Science’ organized by ECA Committee of the college on July 8, 2021.
- Participated in a workshop on ‘Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by the NAAC Committee of the college in association with Mahatma Gandhi National Council of Rural Education, Ministry of Education, Govt. of India on June 30, 2021.

Dr. Julie Thakur

- Kaur, S., Samota, M. K., Choudhary, M., Choudhary, M., Pandey, A. K., Sharma, A., & **Thakur, J.** (2022). How do plants defend themselves against pathogens-Biochemical mechanisms and genetic interventions?. *Physiology and Molecular Biology of Plants*, 1-20.
- Presented a paper in a National Seminar on Plant Taxonomy and Traditional Knowledge in the Himalayas and North-East India & Annual Conference of East Himalayan Society for Spermatophyte Taxonomy (EHHST), jointly organized by the Department of Botany, Rajiv Gandhi University East Himalayan Society for Spermatophyte Taxonomy and Botanical Survey of India, on the topic 'Genetic diversity assessment using Start Codon Targeted (SCoT) and Inter Simple Sequence Repeat (ISSR) markers in *Crepidium acuminatum* (D. Don) Szlach.- a threatened taxon' from February 21-22, 2022.
- Participated in a one-day workshop on 'Different Aspects of Research' organized by the Research & Project Assessment Committee in collaboration with the Department of Botany of the college on February 16, 2022.
- Participated in a one-day workshop on 'Sensory Gardens: Plants that engage with our Senses' organized by the Garden Committee and Moksha- The music society of the College on February 5, 2022.
- Successfully participated in an IP Awareness/Training program under National Intellectual Property Awareness Mission organized by the Intellectual Property Office, India on February 4, 2022.
- Invited speaker for a 'National Workshop on Statistical Analysis of Biological Data' organized by the Department of Botany, Zakir Hussain College, University of Delhi, in a five-week-long National workshop from January 17-February 21, 2022.
- Participated in an online workshop on 'Know Your Rivers' organized by the Nadi Ko Jaano Committee of the college organized by the college on January 8 and 19, 2022.
- Reviewer of an International Journal 'Plos One', December 19, 2021.
- Participated in a workshop entitled 'Event coordination and Database Management' organized by the NAAC committee of the college on November 22 and 25, 2021.
- Participated in the workshop on 'Student Satisfaction Survey' organized by the Internal Quality Assurance Cell of the college on November 12, 2021.
- Received a minor research grant from the Institute of Eminence, University of Delhi, on the project entitled 'Application of molecular markers in assessing genetic variation in *Pittosporum eriocarpum* (Royle): An Endangered and Endemic Medicinal plant' on October 29, 2021.
- Participated in the workshop on 'Login Feature of College Website' organized by the Website & Internet committee of the college on October 26, 2021.

- Participated in the workshop on ‘Decoding BEAMS’ organized by the Digitization & Automation committee of the college on September 1, 2021.
- Participated in a workshop on ‘Tools Used in Biostatistics Research and Teaching’ organized by the Department of Botany, Ramjas College, University of Delhi from August 13-14, 2021.
- Participated in an online talk of short-term certificate course on ‘Role of Lifestyle in Fitness Management’ organized by the college in association with the Department of Physical Education and Sports Sciences, University of Delhi on August 7, 2021.
- Participated in a National webinar on ‘Immunity and Natural Immunity Booster: A Scientific Overview’, organized by Maitreyi College, University of Delhi on July 31, 2021.
- Participated in a National webinar on ‘My Life with Rocket Science’ organized by the Extra Curricular Activity committee of the college on July 8, 2021.
- Participated in a National webinar on ‘Wildlife Conservation Issues’ organized by the college on June 5, 2021.
- Reviewer of an International Journal ‘In-Vitro Cellular & Developmental Biology-Plant’, Springer publication, May 7, 2021.
- **Thakur, J.**, Dwivedi, M. D., Singh, N., Uniyal, P. L., Goel, S., & Pandey, A. K. (2021). Applicability of Start Codon Targeted (SCoT) and Inter Simple Sequence Repeat (ISSR) markers in assessing genetic diversity in *Crepidium acuminatum* (D. Don) Szlach. *Journal of Applied Research on Medicinal and Aromatic Plants*, 23, 100310..

Dr. Shikha Srivastava

- Participated in an online two-day National workshop on ‘Government e-Marketplace (GeM)’ organized by the Central Purchase Committee of the college from January 27-28, 2022.
- Participated in a one-day online National workshop on ‘Know Your Rivers’ organized by the Nadi Ko Jaano committee of the college on January 8, 2022.
- Participated in an online National workshop on ‘Event Coordination and Database Management’ organized by the NAAC Committee of the college from November 22-25, 2021.
- Participated in a two-days online National workshop on ‘Astrobiology’ organized by the Department of Microbiology of the college on October 29 -30, 2021.
- Participated in a one-day online National workshop on ‘How to Catch Fake/Cloned/Predatory Journals in Academics’ organised by Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi on October 16, 2021.
- Participated in a one day online National webinar on ‘Small molecules make a big impact: A panoramic view of miRNAs in esophageal cancer’ organized by the

Sukshmjeev Society, Department of Microbiology of the college on October 1, 2021.

- Delivered a lecture in a one-day online National webinar on 'Wonders of Nutrition: How you Prepare for Parenthood' organized by GIST and Savitri Bai Phule Pune University (SPPU) during the Nutrition month as declared by Ministry of Women and Child Development, Govt. of India on September 23, 2021.
- Participated in a one day online National webinar on 'Present and Past Scenario of O₃ Depletion: Consequences and Montreal Protocol' organized by Phytomics :The Botanical society of the college on September 16, 2021.
- Participated in a one day online National webinar on 'Judicial Activism and Sustainable Environment' organized by the Department of Environmental Sciences, Acharya Nagarjuna University, Centre for Environmental Education and Ecological Development, A.P. on September 16, 2021.
- Participated in a one day online National webinar on 'Indian Rivers: Ancient Culture and Modern Science' jointly organized by the Swacchata and e-Waste Management Committee and Biological and Chemical Waste Management Committee of the college on September 15, 2021.
- Participated in a one day online National webinar on 'Teacher's e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education' organised by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education on September 9, 2021.
- Participated in a one-week online National Faculty development programme on 'Making online and Blended learning effective in light of NEP 2020' organized by SNDT Women's University, Mumbai from September 3-9, 2021.
- Participated in a ten-day online Refresher course on 'The Quintessential Educator - Challenges and Opportunities in the changing world' organised by Atma Ram Sanatan Dharma College, in collaboration with Ramanujan College, University of Delhi from August 23- September 3, 2021.
- Participated in a one day online National webinar on 'Ethnobotany of Kerala, India' by Dr. K. Radhakrishnan organised by FRLH Herbarium and Raw Drug Repository of medicinal plants used in Indian system of Medicine, Centre for Conservation of Natural Resources on August 21, 2021.
- Participated in a one-week National Faculty development programme on 'Qualitative Research & Issues in Plagiarism (An Interdisciplinary Approach)' organised by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the PMMMNTT, of Ministry of Education from August 5-11, 2021.
- Participated in a one-week National Faculty development programme on 'Assessment and Evaluation in Higher Education' organized by Guru Angad Dev Teaching Learning Center, SGTB Khalsa College, University of Delhi under the PMMMNTT of Ministry of Education from July 14- 20, 2021.

- Participated in a one-day National webinar on ‘Digital Interventions in Public Health’ organized by the college on July 14, 2021.
- Participated in a five-day National Faculty development programme on ‘Food And Agriculture Biotechnology’ organized by the Biotechnology Department of Jaypee Institute of Information Technology, Noida from July 2-7, 2021.
- Participated in a three-day online international conference on ‘Genetics and Genomics Technologies for Crop Improvement’ organised by the Department of Botany, Hansraj College, University of Delhi & International Maize and Wheat Improvement Center (CIMMYT), Mexico in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi from July 1-3, 2021.
- Participated in a five-day online National workshop on ‘Research Methodology’ organized by Deshbandhu College, University of Delhi, from April 1-5, 2021.
- Participated in a one day online National workshop on ‘National Education Policy-2020, Opportunities in Research and Innovation’ organised by School of Physical Sciences, JNU, India, on March 31 2021.
- Delivered a lecture in a one-day online National webinar on ‘Tissue Culture’ organised by All India Institute of Ayurveda, New Delhi on March 22, 2021.
- Participated in a one-week National Faculty development programme on ‘Academic Report Writing and Research Methodology’ organised by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the PMMMNMNTT of Ministry of Education from March 4-10, 2021.

Dr. Gurumayum Suraj Sharma

- Participated in a one-day workshop on ‘Different Aspects of Research’ organized by the Research & Project Assessment Committee in collaboration with the Department of Botany of the college on February 16, 2022.
- Participated in an online workshop on ‘Government e-Marketplace (GeM)’ organized by the Central Purchase Committee of the college from January 27 - 28, 2022.
- Successfully completed one-week interdisciplinary Faculty Development Programme on ‘Youth & Climate Change’, organized by Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with the college & Catholocate College Postgraduate & Research Department of Botany under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, from October 27- November 3, 2021.
- **Sharma, G.S.**, Bhattacharya, R. & Singh, L.R. (2021). Functional inhibition of redox regulated heme proteins: A novel mechanism towards oxidative stress induced by homocysteine. *Redox Biology*. 46, 1-9. (<https://doi.org/10.1016/j.redox.2021.102080>).
- **Sharma, G.S.**, Bhattacharya, R., Krishna, S., Alomar, S.Y., Alkhuriji, A., Warepam, M., Kumari, K. Rahaman, H., & Singh, L.R. (2021). Structural and Functional

Characterization of Covalently Modified Proteins Formed By Glycating Agent, Glyoxal. *ACS Omega*. 6 (32), 20887-20894. (doi: 10.1021/acsomega.1c0230).

- Coordinator & Resource Person for Short Term Certificate Course on 'Environment Friendly Teaching Learning Practices' organized by college from June 5-July 11, 2021.

Students' Achievements

- Ms. Akansha Rajguru of the second year was awarded the second prize in 'Lokgeet Pratiyogita' to celebrate Antarrashtriya Matrabhasha Divas organized by the Vivekanand Vichar Manch in association with the Moksha Music Club of the college on February 25, 2022.
- Ms. Simran Sheoran of the second year has won the second prize in an Inter-college poster-making competition on 'Raise Awareness about the Importance of Wetlands' organized by Phytomics- The botanical society of the college on February 2, 2022.
- Ms. Ritu Yadav of the first year has won the third prize in an Inter-college collage-making competition on 'Raise Awareness about the Importance of Wetlands' organized by Phytomics- The botanical society of the college on February 2, 2022.
- Mr. Rajy Vardhan Singh Parmar of the first year has won the third prize in an Inter-college poster-making competition on 'Raise Awareness about the Importance of Wetlands' organized by the Phytomics- The botanical society of the college on February 2, 2022.
- Ms. Akansha Rajguru of the second year was awarded the second Prize in 'Sangeet-e-Kudrat' a live singing competition organized by Moksha- the Music Society of the college on January 2, 2022.
- Mr. Aman Mishra of the second year won the second prize in a collage-making competition on 'Mahatma: Father of The Nation' organized by Phytomics-The Botanical Society of the college, on the occasion of Gandhi Jayanti on October 2, 2021.
- Ms. Rashi Singh of the second year has won the third prize in a collage-making competition on 'Mahatma: Father of The Nation' organized by Phytomics- The Botanical Society of the college, on the occasion of Gandhi Jayanti, on October 2, 2021.
- Ms. Akansha Rajguru of the second year was awarded the second prize in 'Azadi-ke-Antare'- a live singing competition organized by Moksha-the Music Society of the college, on July 31, 2021.
- Ms. Rashi Singh of the second year was awarded the third prize in the 'Floral Press Art Competition' organized by Nargis: Botanical Society Zakir Husain Delhi College, University of Delhi, on the occasion of World Environment Day, on June 5, 2021.
- Mr. Lalit Kumar of the second year won the first prize in a nature photography competition 'Positive Impact of Covid 19 on The Earth' organized by Phytomics: The Botanical Society of the college, on the occasion of World Environment Day, on June 5, 2021.

DEPARTMENT OF CHEMISTRY

Departmental Activities

- Organized intra-departmental activities like poster making, quiz, talent show, speech competition, and rangoli making on the occasion of Diwali festival 'Deepotsav' on November 1, 2021
- Organized a National webinar on 'Relevance of Swadeshi in Today's Scenario' by Sh. Kashmiri Lal Ji, Rashtriya Sanghatak, Swadeshi Jagran Manch on October 1, 2021. Dr. Lalit Kapur was the convener of the event.
- Organized 'Hindi Pakhwada' with various online intra-departmental competitions like Kavita lekhan, antakshri, slogan writing, maatr 1 minute and antarashtriya goshti on September 11, 13 and 14, 2021. Dr. Lalit Kapur was the convener of the event.
- Organized an Inter-departmental Quiz competition on 'Environmental Waste Management' as a part of 'Swachta Abhiyaan' on September 14, 2021.
- Organized an Inter-departmental Poster Making competition on 'Cleanliness is Next to Godliness' as a part of 'Swachta Abhiyaan' from September 3-15, 2021. Dr Lalit Kapur was the convener.
- Organized a national webinar on 'Technological Advancements for Cleaner Waste Management: Road Ahead and Opportunities' by Dr. Pritam Sangwan, Scientist 'E', Joint Director, CFEES, DRDO, Ministry of Defence on August 25, 2021. Dr Lalit Kapur was the convener.
- Organized a national webinar on 'Organ Donation: Significance and Pledge' by Dr. Sourabh Sharma, Manager – Projects & Outreach, ORGAN (Organ Receiving & Giving Awareness Network) on the occasion of National Organ Donation Day on August 13, 2021. Prof. Balaram Pani was the convener and Dr Lalit Kapur was the co-convener of the event.
- Organized an Invited Lecture on 'Science and Skill' by Dr. K. N. Shukla, Emeritus Scientist, Vikram Sarabhai Space Centre, ISRO on the occasion of National Science Day. The lecture was followed by a Plantation Drive on March 1, 2021. Prof Balaram Pani was the convener and Dr Lalit Kapur was the Co-convener of the event.

FACULTY ACHIEVEMENTS

Prof. Balaram Pani

- Singh, B., **Pani, B.**, & Gupta, D. (2021). Multiple phenyl ring appended Re-based complexes for strong light absorption and DNA binding, *Dalton Trans.* **50**, 15558-15566.
- Singh, A.K., Chugh, B., Singh M., Thakur S., **Pani B.**, Guo L., Kaya S., & Serdaroglu G. (2021). Hydroxy phenyl hydrazides and their role as corrosion impeding agent: A

detail experimental and theoretical study, *Journal of Molecular Liquids*, **330**, 115605. <https://doi.org/10.1016/j.molliq.2021.115605>

- Chugh B., Thakur S., **Pani B.**, Murmu M., Banerjee P., Al-Mohaimed A.M., Ebenso E.E., Singh M., Singh J. & Singh A.K. (2021). Investigation of Phenol-formaldehyde resins as corrosion impeding agent in acid solution, *Journal of Molecular Liquids*, **330**, 115649.
- Pandey, S.S., Barwa, M.S., Gautam, Y.P., Markandeya & **Pani, B.** (2021). Spatial dependency of the groundwater uranium in the alluvial soil region of Gunnaur, India, *Journal of Radioanalytical and Nuclear Chemistry*, **329**(1), 35–43.
- Sheetal, Chugh, B., Thakur, S., **Pani, B.** & Singh, A. (2021). Fundamentals of Corrosion Chemistry in Sustainable Corrosion Inhibitors: Design, Performance, and Industrial Applications (pp. 275-286) American Chemical Society.
- **Pani, B.**, Rajput, N., Varmani, S.G. & Khosla, R. (2021). Concepts in Environmental Studies, I.K. International Publications.

Dr Manjeet Singh

- Pandey, S.S., **Barwa, M.S.**, Gautam, Y.P., Markandeya & Pani, B. (2021). Spatial dependency of the groundwater uranium in the alluvial soil region of Gunnaur, India, *Journal of Radioanalytical and Nuclear Chemistry*, **329**(1), 35–43.
- Attended one week FDP on ‘Recent Advancement in Science and Technology’, K. R. Manglam University, Gurugram from August 9-13, 2021.
- Recipient of Best Researcher Award-2021, in the International Scientist Awards on ‘Engineering, Science and Medicine’ held on July 16 - 17, 2021.
- Attended workshop on ‘Laboratory Safety Measures and Chemical Waste Management for Ecological and Environmental Shield’ Rajdhani College, University of Delhi on April 16, 2021.

Dr Shailja Singh

- Coordinated National workshop on ‘Good Laboratory Practices in Biological and Chemical Sciences’ organized by the Biological & Chemical Waste Management Committee of the college in association with Mehr Chand Mahajan DAV College for Women, Chandigarh and AFSTI, Delhi Chapter on March 10, 2022.
- Attended five-day National workshop on ‘Rapid Detection of Food Adulterants’ organized by the college in association with Indian Council of Social Science Research, Ministry of Education, Govt. of India from February 21- 25, 2022.
- Participated in a workshop on ‘Student Satisfaction Survey’ organized by the Internal Quality Assurance Cell of the college on November 12, 2021.
- Participated in ‘Brain Awareness Day’ program organized by the college as a part of the International Brain Research Organization (IBRO)-DANA foundation funded Brain Awareness week on November 11, 2021.

- Participated in one-week interdisciplinary Faculty Development Programme ‘Youth & Climate Change’ organized by Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with the college & Catholicate College Postgraduate & Research Department of Botany under the aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) from October 27-November 3, 2021.
- Participated in the International workshop on ‘Science Communication and the Art of Writing about Science’ jointly organized by the Career Counselling Cell and Department of Biomedical Science of the college on October 9, 2021.
- Attended National webinar on ‘Indian Rivers: Ancient Culture and Modern Science’ organized by Swachhata & e-Waste Management committee and Biological & Chemical Waste Management committee of the college on September 15, 2021.
- Attended one-day workshop on ‘Decoding BEAMS’ organized by Digitization & Automation committee of the college on September 1, 2021.
- Attended National webinar on ‘Technological Advancements for Cleaner Waste Management: Road Ahead and Opportunities’ organized by Department of Chemistry of the college on August 25, 2021.
- Attended a workshop on ‘Decoding BRAHMA’ organized by Digitization & Automation Committee of the college on August 24, 2021.
- Attended a national webinar on ‘Organ donation: Significance and Pledge’ organized by the Department of Chemistry of the college on August 13, 2021.
- Attended a national webinar on ‘IPR, Patent and Chemistry’ organized by Department of Chemistry, Miranda House College, University of Delhi on August 11, 2021.
- Attended an International Science webinar on ‘Chemistry for Sustainable Human Life-Essentials of New Education Policy’ organized by Ramjas College, University of Delhi on July 28, 2021.
- Attended a national webinar on ‘Injurious Invaders: The Immune System and the Vaccines for Defense’ organized by NAAC Committee of the college on July 23, 2021.
- Attended a one-day workshop on ‘Digital Interventions in Public Health’ organized by Digitization and Automation committee of the college on July 14, 2021.
- Attended a national webinar on ‘Tools for Exploring Chemistry’ organized by Department of Chemistry, Rajdhani College, University of Delhi on July 12, 2021.
- Attended a National webinar on Implementation of ‘Academic Bank of Credits’ organized by GAD-TLC, SGTB Khalsa College, University of Delhi, under PMMMNMTT of Ministry of Education on July 10, 2021.

Dr Swati Gupta

- Attended an online workshop on ‘Decoding BEAMS’ organized by Digitization & Automation committee of the college on September 1, 2021.

- Attended an online workshop on ‘Decoding BRAHMA’ organized by Digitization & Automation committee of the college on August 23, 2021.
- Attended a one-week online Faculty Development Program on ‘Applied Chemistry: A Catalyst for Scientific Transformations’ organized by Lavoisier’s Association, Department of Chemistry, Faculty of Science, SGT University, Gurugram, India on August 23-28, 2021.
- Attended Vice-Chancellors' Conclave on ‘National Education Policy 2020: Its Implementation, Opportunities and Challenges’ organized by Department of Commerce & IQAC, Rajdhani College, University of Delhi on July 16, 2021.
- Attended a National Webinar on ‘My Life with Rocket Science’ organized by Extra Curricular Activities committee of the college on July 8, 2021.
- Attended an online workshop on ‘Psycho-social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by NAAC committee of the college in association with Mahatma Gandhi National Council of Rural Education, Ministry of Education, Govt. of India on June 30, 2021.
- Attended a national webinar on ‘COVID-19: Immunization Awareness’ organized by NSS of the college April 14, 2021.
- Attended a national webinar on ‘COVID-19: Precautions & Cure’ organized by NSS of the college on April 10, 2021.
- Attended an online lecture on ‘Crossing Biological Barriers – Smart Modalities to Improve Performance of Polymer Nanocarriers’ under International Lecture Series entitled ‘Multifaceted Chemistry: An Ever-Evolving Domain of Science’ organized by Department of Chemistry, Deshbandhu College, University of Delhi on March 7, 2021.

Dr Bholey Singh

- **Singh, B.,** Pani, B. & Gupta, D., (2021). Multiple phenyl ring appended Re-based complexes for strong light absorption and DNA binding, *Dalton Trans.* 50, 15558-15566.
- Attended an online one-week interdisciplinary FDP ‘Youth and Climate Change’ organized by Teaching Learning Center, Ramanujan College in collaboration with the college from October 27- November 3, 2021.
- Attended an online webinar on ‘Hindi’s Global Expansion: Challenges and Measures’ organized by Department of Chemistry of the college on September 14, 2021.
- Attended one-day workshop on ‘Decoding BEAMS’ organized by Digitization & Automation Committee of the college on September 1, 2021.
- Participated in National webinar on Technological Advancements for ‘Cleaner Waste Management: Road Ahead and Opportunities’ organized by Department of Chemistry of the college on August 25, 2021.

- Attended a workshop on 'Decoding BRAHMA' organized by Digitization & Automation Committee of the college on August 24, 2021.
- Attended a national webinar on 'Organ donation: Significance and pledge' organized by the Department of Chemistry of the college on August 13, 2021.
- Coordinated an online short term certificate course on 'Fitness Management' organized by Department of Physical Education of the college with Department of Physical Education and Sports Sciences (DPESS) University of Delhi from July 18- September 12, 2021.

Dr Sampat Singh Chauhan

- Verma, P., Bansala, T., **Chauhan, S. S.**, Kumar, D., Deveci, S., & Kumar, S. (2021). Electromagnetic interference shielding performance of carbon nanostructure reinforced, 3D printed polymer composites. *Journal of Materials Science*, 56(20), 11769-11788
- Malik, R. S., Soni, U., **Chauhan, S. S.**, Kumar, D., & Choudhary, V. (2021). Semi-interpenetrating polymer networks of poly (vinyl alcohol)-functionalized nanocrystals/sulfonated poly (ether ether ketone)(PVA-FNCs/SPEEK) as fuel cell membrane. *Materials Today Communications*, 102897.
- Singh, P., Singh Chauhan, D., **Chauhan, S. S.**, Ahmad Quraishi, M., & Swarupa Tripathy, S. (2021). Synergistic Effect of Iodide Ion and N-methyl-N, N, N-trioctylammonium Chloride on Corrosion Inhibition of Carbon Steel in 0.5M H₂SO₄: Experimental and Computational Approach. *Chemistry Select*, 6(41), 11417-11430.
- Participated in Faculty Development Program on 'Youth & Climate Change' organized by Teaching Learning Centre, Ramanujan College, University of Delhi from October 27- November 3, 2021.
- Coordinator of online Short-Term Course on 'Youth & Climate Change' organized by the college in association with Lakshya Society from October 3-17, 2021.
- Member of organizing committee in poster competition on the occasion of 'OZONE DAY' organized by Eco club of the college held online on September 16, 2021.
- Participated in webinar 'Decoding BEAMS' organized by the Digitization and Automation committee of the college on September 1, 2021.
- Participated in National webinar on 'Organ Donation: Significance and Pledge' organized by Department of Chemistry of the college on August 13, 2021.
- Participated in online workshop on 'Digital Interventions in Public Health' organized by the Digitization and Automation Committee of the college on July 23, 2021.
- Participated in webinar on 'संस्कृति से विज्ञान तक' organized by the Bhaskaracharya cell of the college on April 22, 2021.

Dr Vijay Kumar

- Participated in Faculty Development Program on 'Youth & Climate Change' organized by Teaching Learning Centre, Ramanujan College University of Delhi from October 27- November 3, 2021.
- Attended an online webinar on 'Hindi's Global Expansion: Challenges and Measures' organized by Department of Chemistry of the college on September 14, 2021.
- Participated in National webinar on 'Technological Advancements for Cleaner Waste Management: Road Ahead and Opportunities' organized by Department of Chemistry of the college on August 25, 2021.
- Attended a workshop on 'Decoding BRAHMA', organized by Digitization & Automation Committee of the college on August 25, 2021.
- Attended a workshop on 'Decoding BRAHMA' organized by Digitization & Automation Committee of the college on August 24, 2021.
- Participated in National Webinar on 'Organ Donation: Significance and Pledge' organized by Department of Chemistry of the college on August 13, 2021.
- Attended National webinar on 'My Life with Rocket Science' organized by Extra Curricular Activities committee of the college on July 8, 2021.
- Attended a webinar on 'Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic' organized by NAAC committee of the college in association with Mahatma Gandhi National Council for Rural Education, Ministry of Education on June 30, 2021.
- Attended an National webinar on 'Ecological Entrepreneurship for Personal Excellence, Social Equity and Global Sustainability' on the occasion of World Environment day celebration organized by Department of Chemistry of the college on June 5, 2021.
- Participated in webinar on 'संस्कृति से विज्ञान तक' organized by the Bhaskaracharya Cell of the college on April 22, 2021.

DEPARTMENT OF COMPUTER SCIENCE

Departmental Activities

- Organized one day National Workshop on 'Research Methodology' jointly with IQAC and Research & Project Assessment Committee of the college held on March 24, 2022 in blended mode. Prof. V.B.Singh and Dr. Gajendra Pratap Singh from Jawahar lal Nehru University were the resource persons for the event and Prof. Sangeeta Srivastava, Prof. N.S. Abbas, Dr. Rizwana, Dr. Madhulika Bajpai were Convenors Mr. Bhavya Deep, Dr. Jayant Sharma, Dr. Sampat Singh Chauhan, Dr Gurumayum Suraj Sharma were the

Coordinator and Dr.. Krishna Veer Singh, and Dr. Vineeta Goswami were the Co- Coordinators.

- Organized a Workshop on ‘ICT Skills for Lab Staff – Poster and Certificate Designing using Canva’ jointly with Modern and Fine Arts Club. The two-hour workshop was held on March 3, 2022. Mr. Bhavya Deep and Dr. Amandeep Kaur were the Convenor.
- Organized a webinar organized on ‘Software Testing Techniques’ on January 31 2022, resource person for the event Mr. Pankaj Pawar. Prof. Sangeeta Srivastava was Convenor and Dr. Jayant Sharma was Coordinator.
- Organized a Short-Term Course on ‘Website Development Techniques’ from October 22, 2021 to December 5, 2021 in online mode Mr. Sushil Kumar, from TECHGEN was the resource person for the event. Prof. Sangeeta Srivastava was the Convenor and Dr. Jayant Sharma was the Coordinator.
- Organized one-hour international webinar on ‘Career Opportunities in Financial Engineering’ under the DBT Star College Scheme II and IQAC of the college. The webinar was held on September 30, 2021 as a joint collaboration of Career Counseling Cell. Resource person – Ms Fiona Taft, Senior Associate Director and her team, Haas School of Business, University of California, Berkeley, USA. Mr. Bhavya Deep and Dr. Uma Dhawan were the Convenors.
- Organized a webinar on ‘Full Stack Development Program’ on July 27, 2021 in collaboration with Aapke Solutions resource person for the event was Mr. Sushil Kumar. Prof. Sangeeta Srivastava and Ms. Manu Kataria were the Convenors, Dr. Jayant Sharma and Dr. Asha were the coordinators.
- Organized a webinar on ‘Machine Learning using Python’ on June 18, 2021 resource person for the event are Dr. Arpita Nagpal and Dr. Sujata. Prof. Sangeeta Srivastava and Ms. Manu Kataria were the Convenors, Dr. Jayant Sharma and Dr. Asha were the coordinators.
- Organized a webinar on ‘Hands on Android’ on April 5, 2021 resource person for the event is Dr. Kunal Kumar Ranga form Maharishi Dayanand University, Rohtak. Prof. Sangeeta Srivastava and Ms. Manu Kataria were the Convenors, Dr. Jayant Sharma and Dr. Asha were the coordinators.
- Organized annual techno cultural festival ‘Interface’ on March 31, 2021. Mr. Bhavya Deep was the Convenor and Ms. Vineeta Goswami was the Co-Convenor.
- Organized two-hour workshop on ‘Applications of Machine Learning in Various Domains’ in association with Department of Computer Science, Department of Food Technology and Department of Botany under DBT star college scheme II and IQAC of the college on March 19, 2021. Mr. Akshay Moghe, Automation expert from S&P Global was the resource person. Mr. Bhavya Deep was the Convenor and Dr. Eram S Rao and Dr. N. S. Abbas were the coordinators.
- Organized a webinar on ‘Ensemble Learning Techniques and Their Implementation’ on March 15, 2021, resource person for the event is Prof. Surbhi Gupta Prof. Sangeeta

Srivastava and Ms. Manu Kataria were the Convenors, Dr. Jayant Sharma and Dr. Asha were the coordinators.

FACULTY ACHIEVEMENTS

Prof. Sangeeta Srivastava

- **Srivastava S.,** Varshney A., Katyal S., Kaur R., Gaur V., (2021) ‘A smart learning assistance tool for inclusive education’ Journal of Intelligent & Fuzzy Systems 40 11981–11994, DOI:10.3233/JIFS-210075, IOS Press, 11981 on et al.
- **Srivastava S,** Gupta S.K., (September,2021) ‘Phishing Detection Techniques: A Comparative Study’ 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO).
- Reviewer for the ‘Prioritized Dynamic Cube Selection in Data Warehouse’ Multimedia Tools and Applications in 2022.
- Reviewer for the Thirteenth International Conference on Contemporary Computing (IC3) 2021
- Reviewer for the Inter Journal of Computing and Digital Systems (IJCDs) 2021
- Supervising one Ph D. students enrolled in Department of Computer Science, Delhi University.
- Participated in a two days International online workshop on ‘Ayurveda: Wellness Begins with Understanding Yourself.’ organized by Phytomics: The Botanical Society of the college February 22 - 23, 2022.
- Participated in a one-day workshop on ‘Different Aspects of Research’ organized by the Research and Project assessment committee and Department of Botany of the college on February 16, 2022.
- Participated in a workshop on ‘Government e-Marketplace (GeM)’ organized by the Central Purchase committee of the college on January 27-28, 2022.
- Participated in the Webinar on ‘Drone Policy and Application in Reference to Remote Sensing Data Analysis’ organized by Symbiosis Institute Geoinformatics on January 15, 2022.
- Participated in an online workshop on ‘Know Your Rivers’ organized by Nadi Ko Jaano committee on January 8, 2022.
- Participated in webinar on ‘Geo-tagging’ organized by Photography Club of the college on December 30, 2021.
- Participated in the National conference on ‘Quality Assurance in Higher Education’ by Green Mentors on November 9, 2021.

- Participated in a webinar on ‘Student Satisfaction Survey’ organized by IQAC of the college on November 12, 2021.
- Participated in National webinar on ‘Ozone and Climate Change’ organized by Eco Club on World Ozone Day of the college and inaugural program of online short term certificate course on ‘Youth & Climate Change’ on September 16, 2021.
- Participated in a workshop on ‘Engineering Education in The Virtual World- Solving India Specific Grand Challenges’ organized by the Researcher Academy on campus at Delhi Technological University on September 15, 2021.
- Participated in National webinar on ‘Teacher’s e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education’ organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education on September 9, 2021.
- Participated in webinar on ‘Decoding BRAHMA’ organized by Digitization & Automation Committee of the college on August 24, 2021.
- Participated in ‘Vice-Chancellors Conclave On National Education Policy 2020: Its Implementation, Opportunities and Challenges’ organized by Department of Commerce and IQAC, Rajdhani College, University of Delhi on July 16, 2021.
- Participated in an online workshop on ‘Launch of Menstrual Cafe’ organized by women development cell of the college on July 16, 2021.
- Participated in online workshop on ‘Digital Interventions in Public Health’ organized by Digitization and Automation committee of the college on July 14, 2021.
- Participated in a National webinar on ‘Wildlife Conservation Issues’ on the occasion of World Environment Day under the NSS Awareness Programme on June 5, 2021.
- Participated in a National webinar on ‘Covid 19: Precautions & Cure’ held under the NSS awareness program on April 10, 2021.
- Participated in webinar ‘I Write My Own Story’ organized by the Department of Zoology of the college on March 5, 2021.

Mr. Bhavya Deep

- Participated in one-hour international webinar on ‘Career Opportunities in Financial Engineering’ jointly organized by Career Counseling Cell and Department of Computer Science under the DBT Star College Scheme II and IQAC of the college. The webinar was held on September 30, 2021. Resource person – Ms Fiona Taft, Senior Associate Director and her team, Haas School of Business, University of California, Berkeley, USA.
- Participated in Webinar on ‘Indian Rivers: Ancient Culture and Modern Science’ jointly organized by the Swachhta and e-Waste Management Committee and Biological and Chemical Waste Management Committee on September 15, 2021.

- Attended Elsevier webinar on ‘Essential Tips for Publishing in High Impact Journals’ on September 8, 2021 organized by Researcher Academy, Cell Press.
- Participated in online workshop on ‘Decoding Beams’ held organized by the Digitization and Automation Committee on September 1, 2021 .
- Participated in online workshop on ‘Decoding BRAHMA’ organized by the Digitization and Automation Committee of the college on August 25, 2021.
- Attended AWS innovate organized by Amazon Web Services on August 19, 2021.
- Participated in Webinar on ‘New Initiatives in Examination and Evaluation by University of Delhi’, organized by Mahatma Hansraj Faculty Development Centre (MHRFDC), Hansraj College, University of Delhi on July 10, 2021.
- Participated in International Webinar on ‘People Analytics: Agenda for the future of HR’, organized by Firebird Institute of Research in Management, Coimbatore, Tamil Nadu, India, on May 8, 2021.
- Attended online ‘Coursera Conference 2021’ organized by coursera from April 19-21, 2021.
- Participated in online AWS Public Sector Summit organized by Amazon Web Services from April 15-16, 2021.

Dr. Jayant Sharma

- **Sharma J.**(2021) ‘Information Practices with Python for Class XII’. B.R. International Publishers 978-81-89974-68-8
- **Sharma J.**(2021) ‘Sample and Model Test Papers of Information Technology for Class X’. B.R. International Publishers 978-81-89974-69-5

DEPARTMENT OF ELECTRONICS

Departmental Activities

- Organized a webinar on ‘Opportunities and Challenges in Renewable Energy and Green Technology’ on February 25, 2022. Dr. Shiv Kumar Dixit was the resource person. Dr. Inderbir Kaur was the convener and Dr. Jitender Kumar and Ms. Aarti Malyan were the coordinators of the webinar.
- Organized a series of two sessions on ‘How to prepare for M.Sc. Electronics/ IT Entrance’ on February 5 and 12, 2022. Mr. Govind Tripathi and Ms. Sakshi Jangid were the resource persons for the session-I. Mr. Neeraj Kumar Yadav and Mr. Himanshu Kumar Gupta were the resource persons for the session-II. Dr. Inderbir Kaur was the convener and Prof. Geeta Mongia and Ms. Aarti Malyan were the coordinators of the webinar.

- Organized an Alumni Interaction Session on November 12, 2021. Dr. Devinder Madhwal was the resource person. Dr. Inderbir Kaur was the convener and Dr. Jitender Kumar and Ms. Aarti Malyan were the coordinators of the session.
- Organized a webinar on 'Recent Trends in Organic Electronics and Displays' on September 17, 2021. Prof. P.K. Bhatnagar was the resource person. Dr. Inderbir Kaur was the convener and Dr. Jitender Kumar and Ms. Aarti Malyan were the coordinators of the webinar.
- Organized an inter departmental program on 'Electronic-Waste Awareness Program' jointly with the Department of Instrumentation of the college on August 20-29, 2021. Dr. Avneesh Mittal was the convener and Dr. Amit Kumar, Dr. Amandeep Kaur and Dr. Anil Kumar were the coordinators of this program.
- Organized a two-days workshop on 'Basic of Biosensor and its Techniques' jointly with the Department of Microbiology and Biochemistry of the college on March 17-18, 2021. Prof. Geeta Mongia, Dr. Inderbir Kaur, Dr. Purnima Anand, Dr. Pawas Goswami, Dr. Anita Sondhi were the coordinators of this workshop. Prof. Geeta Mongia, Dr. Inderbir Kaur, Dr. Jitender Kumar, Mr. Shani Kumar, Ms. Aarti Malyan, Dr. Purnima Anand, Dr. Pawas Goswami, Dr. Anita Sondhi, Dr. Ratyakshi, Dr. Neeru Bhagat and Dr. Gunjan were the resource persons.
- Organized a virtual workshop on 'Optimization of Feedback Control System using PID Controller' jointly with the Department of Instrumentation in association with Romtek on July 13, 2021.

FACULTY ACHIEVEMENTS

Prof. Geeta Mongia

- Supervisor of one Ph.D. student enrolled in Department of Electronic Science, University of Delhi.
- **Mongia G.** and Malyan A. (2021) "Optimization of composition of quaternary alloy-based alloy -based film and effect of annealing for phase change optical recording material", International Organization of Scientific Research Journal of Electrical and Electronics Engineering, volume 16(4), 25-29.
- **Mongia, G.,** Kaur, I., Marwah, R. G., & Malyan, A. (2021). A Comprehensive Review of the Different Methods and Materials for the Construction of MFCs and their Effect on the Performance of MFC. International Research Journal of Engineering and Technology (IRJET), Volume: 08, 2395-0056.
- Kaur, I., **Mongia, G.** (2021) Survey-Based Analysis on Solar Energy Awareness and Designing of Bio-photovoltaic Cell using Algae-A Green Energy Initiative, International Journal of Science and Research (IJSR), Volume 10, 1002 - 1006.

- Participated in a five days national workshop on ‘Rapid Detection of Food Adulterants’ organized by the college and funded by Indian Council of Social Science Research, Ministry of Education held from February 21-25, 2022.
- Participated in a National webinar on ‘Covid 19: Precaution & Cure’ organized by the NSS committee of the college held on April 10, 2021.
- Participated in five days of Faculty Development Program cum workshop on ‘Artificial intelligence -2021’ conducted by Department of Electronics, Sri Aurobindo College, University of Delhi from April 2-6, 2021.
- Participated in Faculty Development Program on ‘Essentials of Entrepreneurship’ jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education and Deen Dayal Upadhyaya College, University of Delhi from March 30 to April 3, 2021.
- Attended two days national seminar on ‘Women Empowerment: Challenges, Need and Issues’ organized by the college, University of Delhi from March 7-8, 2021.

Dr. Inderbir Kaur

- Mongia, G., **Kaur, I.**, Marwah, R. G., & Malyan, A. (2021). A Comprehensive Review of the Different Methods and Materials for the Construction of MFCs and their Effect on the Performance of MFC. International Research Journal of Engineering and Technology (IRJET), Volume: 08, 2395-0056.
- **Kaur, I.**, Mongia, G.,(2021), Survey-Based Analysis on Solar Energy Awareness and Designing of Bio-photovoltaic Cell using Algae-A Green Energy Initiative, International Journal of Science and Research (IJSR), Volume 10, 1002 - 1006.
- Participated in a two-day workshop on ‘Government e-Marketplace’ organized by Central Purchase Committee held on January 27-28, 2022.
- Participated in online workshop on ‘Know Your Rivers’ organized by Nadi Ko Jaano Committee held on January 08, 2022.
- Attended the full agenda of ACS on Campus - CLAQ on October 12, 2021.
- Attended workshop on ‘Decoding Beams’ organized by Digitization and Automation Committee of the college on September 1, 2021.
- Attended workshop on ‘Decoding Brahma’ organised by Digitization & Automation Committee of the college on August 23, 2021.
- Attended Faculty Development Program on ‘Essentials of Entrepreneurship’ jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education and Deen Dayal Upadhyaya College, University of Delhi held from March 30 to April 3, 2021.

Prof. Avneesh Mittal

- **Mittal, A.**, Gupta, K., Pani, B., Kumar, G., Ram Bhadu, G., Godara, S. K., & Sirohi, S. (2021). Silver Nanoprism for Selective and Sensitive Detection of Hg²⁺ Ions. Journal of Nanoscience and Nanotechnology, 21(12), 6094-6100.

Dr. Manoj Kumar Tiwari

- Participated online in the 'National Science Day' program organized by Inter-University Accelerator Centre, New Delhi on 28th February, 2022.
- Attended a webinar on 'Artificial Intelligence (AI) and Mass' jointly organized by IEEE and Bharti Vidyapeeth held on January 29, 2022. IEEE and Bharti Vidyapeeth
- Attended a workshop on 'Government e-Marketplace (GeM)' organized by Website and Internet committee of the college from January 27-28, 2022.
- Attended a national webinar on 'National Pension Scheme' organized by Literary Club, Bhaskaracharya College of Applied Sciences held on January 21, 2022.
- Attended workshop based on 'Login feature of College website' organized by Website and Internet Committee, Bhaskaracharya College of Applied Sciences held from October 25-26, 2021.
- Attended a workshop on 'Decoding Beams' organized by Digitization & Automation Committee; Bhaskaracharya College of Applied Sciences held on September 1, 2021.
- Attended a workshop on 'Decoding Brahma' organized by Digitization & Automation Committee, Bhaskaracharya College of Applied Sciences held on August 24, 2021.

Ms. Shweta Gupta

- Completed International symposium on 'History and Future of Transistors' jointly organized by the National Academy of Sciences India-Delhi Chapter, Deendayal Upadhyaya College, IEEE Electron Devices Society held from December 23-30, 2021.
- Attended webinar on '5G-Be ready for the Future' organized by IEEE Electron Society Delhi Chapter-India & Maharaja Agrasen College, University of Delhi held on December 4, 2021.
- Attended a webinar on 'CMOS Scaling:Negative Capacitance and Challenges Ahead' organized by IEEE Electron Society Delhi Chapter-India & Maharaja Agrasen College, University of Delhi held on December 3, 2021.
- Attended a webinar on 'UTMOST IV:Device Characterization and SPICE Modeling' organized by Cognitive Design Technology Pvt Ltd, Bangalore in association with Silvaco held on December 3, 2021.

- Attended a webinar on 'Design and Applications of the Metal-Mountable UHF RFID Tag Antennas' jointly organized by IEEE Antenna and Propagation Society & Council on RFID Delhi Chapter and Department of Electronic Science, University of Delhi held on November 25, 2021.
- Attended a webinar on 'Power your Research with Scopus' organized by the Research Academy on Campus held on November 23, 2021.
- Attended a workshop on 'Assessing Online DU Library Resources & Aspects of Similarity Index' organized by the Library Committee of the college held on October 5, 2021.
- Attended two days Lecture Series on 'Fundamentals and applications of Technology Driven Sensors' organized by IEEE-Electron Devices Society Delhi Chapter-India held on September 24-25, 2021.
- Attended a workshop on 'Decoding Beams' organized by Digitization & Automation Committee of the college held on September 1, 2021.
- Attended a workshop on 'Decoding Brahma' organized by Digitization & Automation Committee of the college held on August 24, 2021.
- Attended a webinar on 'Semiconductor Device Modeling using Silvaco TCAD' organized by Cognitive Design Technology Pvt. Ltd, Bangalore, India held on May 7, 2021.
- Attended a short-term course in 'Computational Techniques and Research Methodology' organized by UGC-HRDC Jawaharlal Nehru University held from March 1-6, 2021.
- Attended a webinar on 'Satellites-a Conquest of Outer Space' under Atmanirbhar Bharat Abhiyan Webinar Series organized by DeenDayal Upadhyay College, University of Delhi held on March 1, 2021.

Dr. Jitender Kumar

- Attended a webinar on 'Recent Trends in Organic Electronics and Displays' organized by Department of Electronics held on September 17, 2021.
- Attended a workshop on 'Decoding Beams' organized by Digitization & Automation Committee; Bhaskaracharya College of Applied Sciences held on September 1, 2021.
- Attended a webinar on 'National Education Policy 2021: Opportunities and Challenges in Implementation' organized by the NEP committee and the Internal Quality Assurance Cell (IQAC), Janki Devi Memorial College in collaboration with Shiksha Sanskriti Utthan Nyas (SSUN) held on August 28, 2021.
- Attended a workshop on 'Decoding Brahma' organized by Digitization & Automation Committee, Bhaskaracharya College of Applied Sciences held on August 25, 2021.

- Completed faculty development program on ‘Multimedia Tools for Teaching and Learning’ organized by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Sree Narayana College, Nattika, Kerala held from July 22-28, 2021.
- Attended and contributed as coordinator in the Intercollege Virtual Workshop on ‘Optimization of Feedback Control System using PID Controller’ organized by the Department of Instrumentation and Department of Electronics in association with the Romtek held on 13 July 2021
- Attended a webinar on ‘My Life with Rocket Science’ organized by Extracurricular Committee of the college on July 8, 2021.
- Attended a workshop on ‘Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by NAAC Committee of the college in association with Mahatma Gandhi National Council of Rural Education, Ministry of Education, Govt. of India held on June 30, 2021.
- Completed Refresher Course on ‘Interdisciplinary Refresher Course on Curriculum and Pedagogy’ organized by Teaching Learning Center, Tezpur University held from June 7-21, 2021.
- Completed FDP on ‘Artificial Intelligence’ organized by Department of Electronics, Sri Aurobindo College, University of Delhi held from April 2-6, 2021.
- Attended a webinar series on ‘Trans-disciplinary Areas of Research and Teaching by Shanti Swarup Bhatnagar (SSB) Awardee’ jointly organized by Science Foundation and MoE-IIC-DDUC, Deen Dayal Upadhyaya College, University of Delhi held from March 8-26, 2021

Dr. Amit Kumar

- Participated in an Online three-day National Workshop on ‘Design and Implementation of Solar Rooftop Systems’ organized by Parul Institute of Engineering and Technology, Vadodra held on March 10-12, 2022.
- **Kumar A.**, SciLAB console as a tool to explain Lissajous figures, Bulletin of IAPT (Journal of Education in Physics and related Areas), **14(3)**, 86-89, (2022).
- Presented paper on ‘Characterizing co-axial CNT-FET by varying gate dielectric’ in one day International E-Conference on ‘Advances in Material Science, Bio-Science and Information Technology (ICAMSBSIT-2022)’ organized by Faculty of Science in association with Internal Quality Assurance Cell held on February 26, 2022.
- Presented e-poster entitled ‘Search for natural carbon nanotubes in GUJCOST-DST’ Sponsored Two Days Virtual National Conference on Advances and Innovations in Natural Product Research organized by B. Pharmacy College, Rampura held on February 18-19, 2022.

- **Kumar A.**, Proposed evaluation scheme for university's Physics & related courses, *Bulletin of IAPT (Journal of Education in Physics and related Areas)*, **14(2)**, 47-51, (2022).
- Completed 'FDP on Deep Learning and its Applications' organized by the Department of Information Technology VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology held from January 17-22, 2022.
- **Kumar A.**, J Adv Sci Res, 2021; ICITNAS: 223-229, Study Of Electro-Optic Interactions for Silver Nanoparticles.
- Attended Five-day virtual lecture series 'ANVESHAN' on the occasion of 'National Mathematics Day' organized by the Department of Mathematics, SRMS College of Engineering & Technology, Bareilly held from December 20-24, 2021.
- Completed online ATAL FDP on 'Quantum Computing' from ATAL Academy, Amity Institute of Information Technology, Amity University Uttar Pradesh, Lucknow Campus held on December 13-17, 2021.
- Attended an online workshop 'Application of Solar Power in Irrigation' Organized by Department of Physics, Vinayakrao Patil Mahavidyalaya, Vaijapur, Dist. Aurangabad, Under UGC Scheme, STRIDE Component – I (Research Capacity Building) held from December 10-11, 2021.
- Attended online International Conference on 'Sustainable & Futuristic Materials (SFM-2021)' organized by International Research Centre and Department of Chemistry, Kalasalingam Academy of research and education, Krishnankoil, Department of Chemistry, J. M. Patel Arts, Commerce and Sciences College, Bhandara& Department of Chemistry, Kamala Nehru Mavidyalaya, Nagpur held on November 29-30, 2021.
- Presented paper on 'Analysis of current trends in higher education for SUN universities' in International Conference on The Roles of Intellectuals for Enhancing Cultural Diversity along the Silk Roads, organized by International Association for Silk Road Studies (IASS) of SUN, National University of Mongolia held on November 24-25, 2021.
- Presented paper on 'Analysing ZnS quantum dots suitability for optical applications' at Second International Web Conference on Advanced Material Science & Nanotechnology (2nd NANOMAT-2021) organized by Department of Physics, Vinayak Vidnyan Mahavidyalaya, NandgaonKhandeshwar, Dist. Amravati, Maharashtra held on November 23-25, 2021.
- Attended an Online International Conference on 'Media Education & National Education Policy-2020, a trans-disciplinary Gloabal Perspective' Organised by Department of Mass Communication, Rajiv Gandhi (Central) University, Doimukh, Arunachal Pradeshon November 15-16, 2021.
- Completed an online International FDP on emerging trends in Nanotechnology from Department of Basic Sciences, Vishnu Institute of Technology, Bhimavaram, AP in association with Physical Research Laboratory on November 9-13, 2021.

- Attended a workshop ‘Recent Advancements in Biomedical Imaging and Image Processing’ organized by Department of Biomedical Engineering, School of Technology, North-Eastern Hill University, Shillong, Meghalaya on November 8-9, 2021.
- Presented paper on ‘Electronic Waste Management in India & China: A Comparative Analysis’ in International Conference on Commerce, Management & Interdisciplinary Subjects (ICCMIS) organized by the Department of Commerce and International Business, School of Business Studies, Central University of Kerala on October 28-29, 2021.
- Completed online FDP on Learning through virtual LABS for technical institutions from Department of Mechanical Engineering, Lendi Institute of Engineering and Technology, Jonnada in association with National Institute of technology, Karnataka, Surathkal on October 18-22, 2021.
- Attended national conference on ‘Advanced Materials, technology, applications & education’ conducted by Department of Physics, Hon. Balasaheb Jadhav Arts, Commerce & Science College, Pune on October 16, 2021.
- Attended International conference on ‘Recent Advances in Statistics’ conducted by Sadguru Gadage Maharaj College, Karad, Maharashtra on October 11-12, 2021.
- Presented paper on ‘Suggestive study on e-evaluation for university courses’ at Indian Association of Physics Teachers – IAPT- RC1 (Delhi and Haryana) on October 9-10, 2021.
- Completed online International FDP on ‘Research tools & Methodologies’ from Department of Mechanical Engineering, Lendi Institute of Engineering and Technology, Jonnada on September 27-October 1, 2021.
- Attended International conference ‘Advances in nano Technology’ conducted by Department of Physics & Electronics, Vaagdevi Degree and PG College, Telangana on September 24-25, 2021.
- Prasad, A.R., Shankar, R., Patil, C.K., Karthick A, **Kumar A.**, & Rahim R. Performance enhancement of solar photovoltaic system for roof top garden. Environ Sci Pollut Res 28, 50017–50027 (2021).
- Completed online Six days Faculty Development Programme on ‘Research Challenges in Cognitive Networks’ organized by Department of Electronics and Communication Engineering, Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Chennai on September 20-25, 2021.
- Attended National Webinar on ‘Teacher's e-kit: A four Quadrant Approach for development of OERs’ from Guru Angad Dev Teaching Learning Center, Khalsa College, University of Delhi held on September 9, 2021.
- Completed Online FDP on ‘Graphical System Design in Engineering & Research Applications’ from Department of Electronics & Communication Engineering,

Vidyavardhaka College of Engineering, Mysuru in association with VI Solutions, Bengaluru held on September 6-11, 2021.

- Contributed as Faculty coordinator ‘The Electronic Waste Awareness Program’ organized by Department of Instrumentation & Department of Electronics held on August 29, 2021.
- Completed online FDP on ‘Research Methodology’ from Dr. D Y Patil School of MCA, Charholi, Pune held on August 2 - 6, 2021.
- Muthuraman, U., Shankar, R., Nassa, V. K., Karthick, A., Malla, C., **Kumar, A.**, Kumar, P. M., Rahim, R., & Bharani, M. (2021). Energy and economic analysis of curved, straight, and spiral flow flat-plate solar water collector. *International Journal of Photoenergy*, 2021, 1–11. <https://doi.org/10.1155/2021/5547274>. Scopus Indexed, IF - 2.113
- Co-Inventor and Co-Applicant for Indian Patent Application entitled ‘THE SMART SYSTEM FOR MEDICAL IMAGE VIEWING BY USING ARTIFICIAL INTELLIGENCE NEURAL NETWORK’ Published on July 2, 2021.
- Presented conference paper on ‘Simple Machine Learning algorithm for Business Forecasting’ by Amit Kumar, National e-conference on Advances in Business, Management & Technology, at: Mahatma Gandhi Central University, Motihari, Bihar held on June 25-26, 2021.
- Presented conference paper on ‘COMPARATIVE STUDY OF EMERGING ROOFTOP PHOTOVOLTAIC FOR URBAN GREENERY’ by Amit Kumar, in International Conference on Technological Advancements in Mechanical Engineering, Department of Mechanical Engineering, AMET, Chennai, India held on June 15-16, 2021.
- Completed Online ATAL FDP on ‘Recent trends in Digital Image Processing’ from ATAL Academy, Poornima Institute of Engineering & Technology held from June 7-11, 2021.
- Shukla A, Kalnoor G, **Kumar A**, Yuvaraj N, Manikandan R, Ramkumar M, Improved recognition rate of different material category using convolutional neural networks, *Materials Today: Proceedings*, 2021. <https://doi.org/10.1016/j.matpr.2021.04.307>.
- Completed three Week Online International FDP on ‘Research Perspectives on AI, ML, Data Science & IoT’ from Department of Electronics & Computer Science in association with Academic Staff College, Koneru Lakshmaiah Education Foundation, Guntur, Andhra Pradesh held from May 17, 2021 to June 5, 2021.
- **Kumar A**, Electronic waste management in India: Review, *IITM Journal of Management and IT*, **12 (1)**, 19-23, (2021).
- Completed Online AICTE sponsored FDP on ‘Machine learning on Recent Trends and Applications Phase-I’ from Department of Electronics & Communication Engineering,

Srinivasa Ramanujan Institute of Technology, Ananthpuramu held from May 10-15, 2021.

- Presented conference paper on ‘Advances in VLSI Designs due to Recent Progress in Nano Technology’ by Amit Kumar, International Conference on ‘Recent Advancements & Innovations in Management, Media, Science, Technology, Education and Legal Issues’ held at JIMS Engineering Management Technical Campus, Greater Noida held on May 8, 2021.
- Completed online AICTE sponsored FDP on ‘Design of Nanoelectronics and Nanophotonic Devices using Advanced Software Tools’ from Department of Electronics & Communication Engineering, GITA Autonomous College, Bhubaneswar held from April 26, 2021 to May 8, 2021.
- Presented conference paper on ‘Study of Emerging Smart Irrigation Systems for Indian Farmers’ by Amit Kumar in National Conference on Water Scarcity and Sustainability: A Jal Shakti Abhiyan Perspective, at Aditi Mahavidyalaya, University of Delhi held on March 9, 2021.
- Completed short term training programme on ‘Recent Advances in Industrial Robotics & Application’ from Department of Mechanical Engineering, SRES’s Shree Ramachandra College of Engineering, Pune under AICTE Quality Improvement Scheme held from March 8-13, 2021.
- Completed FDP in three days Faculty Development Programme on ‘Geo-Spatial technology, inclusive and accessible disaster risk reduction (DRR)’ conducted by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India and Shyama Prasad Mukherji College for Women held on March 4-6, 2021.
- **Kumar A**, Teaching Physics through emerging disruptive technology of Augmented reality, *Bulletin of IAPT (Journal of Education in Physics and related Areas)*, **13(3)**, 86-90, (2021).

Ms. Aarti Malyan

- Mongia G. and **Malyan A.**, "Optimization of composition of quaternary alloy based alloy -based film and effect of annealing for phase change optical recording material", International Organization of Scientific Research Journal of Electrical and Electronics Engineering, vol. 16(4), pp. 25-29, July-August, 2021.
- Participated in national faculty development program on ‘Youth and Climate Change’ organised by Teaching Learning Centre, Ramanujan College University of Delhi in Collaboration with Bhaskaracharya College of Applied Sciences, University of Delhi & Catholice College Postgraduate & Research Department of Botany under the aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission on Teachers And Teaching held on October 27 – November 3, 2021.

- Participated in workshop on ‘Login Feature of College Website’ organised by Website and Internet Committee, Bhaskaracharya College of Applied Sciences held on October 26, 2021.
- Participated in a workshop on ‘Decoding BEAMS’ organized by Digitization and Automation Committee held on September 1, 2021.
- Participated in a workshop on ‘Decoding BRAHMA’ organized by Digitization and Automation Committee held on August 23, 2021.
- Participated in a one day workshop on ‘Digital Interventions in Public Health’ organized by Automation and Digitization held on July 14, 2021.
- Attended a national webinar on ‘Wildlife Conservation Issues’ held on June 15, 2021.
- Attended a national webinar on ‘Covid 19: Precautions & Cure’ held on April 10, 2021.
- Participated in national faculty development on ‘Emerging Accessible Technologies for Teachers in Higher Education’ jointly organized by Maitreyi College, University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) held on March 20 – April 3, 2021.
- Contributed as a resource person in a workshop on ‘Basics of Biosensor and its Techniques’ organized by Department of Electronics, Microbiology & Biochemistry held on March 17-18, 2021.

DEPARTMENT OF ENVIRONMENTAL SCIENCES

Departmental Activities

- Organized an intra-departmental ‘Virtual Walk’ at Aravalli Biodiversity Park on July 9, 2021 by Balwinder Kaur, Scientist Aravalli Biodiversity Park. Convener of the event was Dr. Franky Varah.

FACULTY ACHIEVEMENTS

Dr. Franky Varah

- Attended one day workshop on ‘Vermicomposting’ organized by Eco Club of the college on February 12, 2022.
- Attended one day workshop on ‘Know your Rivers’ organized by Nadi Ko Jaano committee of the college on January 8, 2022.
- Participated in one-week inter-disciplinary Faculty Development Programme ‘Youth & Climate Change’ organized by Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with the college & Catholicate College

Postgraduate & Research Department of Botany under the aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) from October 27-November 3, 2021.

- Attended a webinar on 'Indian Rivers: Ancient Culture and Modern Science' jointly organized by Swacchata and e-Waste Management Committee and Biological and Chemical Waste Management committee of the college on September 15, 2021.
- Attended one day Workshop on 'Decoding BEAMS' organized by Digitization & Automation Committee of the college on September 1, 2021.
- Attended one day Workshop on 'Sensory gardens: Plants that engage with our senses' organized by Garden committee & Moksha of the College on September 1, 2021.
- Attended a webinar on 'Ecological Entrepreneurship for Personal Excellence, Social Equity and Global Sustainability' organized by the college on June 5, 2021.
- Attended a webinar on 'Sustainable Organic Farming: Techniques & Certification' organized by Department of Agronomy, College of Agriculture, Tripura on May 17-18, 2021.

DEPARTMENT OF FOOD TECHNOLOGY

Departmental Activities

- Ten students and two faculty members, Dr.Rizwana and Dr.Eram Rao attended a Conference on Poultry and Poultry products, organised by CII FACE, on March 21, 2022.
- Organised 'Foodophile' departmental festival and Alumni meet on March 10, 2022. The conveners were Dr. Rizwana and Dr. Meenakshi Garg and the coordinators were Dr.Sakshi Khurana and Ms. Manisha Thakur.
- Organised virtual visit to Kulkarni Labs on February 12, 2022. Convener was Dr.Eram Rao and Ms. Madhuri Yeldare was the resource person and trainer from Kulkarni labs .
- Organised webinar on 'Computational Gastronomy' on February 4, 2022. The Resource Person was Prof. Ganesh Bagler, associate professor from IIT, Delhi and. Convener was Dr.Eram Rao, with Ms. Manisha Thakur as coordinator.
- Organized Panel Discussion on 'Food Technology:The Future Ahead' on January 15, 2022. Resource persons were Mr.Sudhir Zutshi, Mr.Sumit Nair, Ms. Parama Bhadra, Dr. Kavita Bhatnagar and Ms.Chandni Panvanda. Conveners were Dr.Rizwana and Dr. Meenakshi Garg and Coordinator was Dr. Sakshi Khurana.
- Organised a virtual Visit at Yakult-Danone India Pvt. Ltd. on December 9, 2021. Convener was Dr. Meenakshi Garg and Coordinator was Dr. Sakshi Khurana.

- Organised Workshop on Confectionary and Bakery Technology on October 13, 2021. Resource person was Chef Hemant Yadav from Downtown Resort, Convener was Dr. Meenakshi Garg and Coordinators were Dr. Roshan Lal and Ms. Manisha Thakur.
- Organised a recipe making competition 'Disuse to Dish' from September 12-15, 2021. Convener was Dr. Meenakshi Garg and Coordinators were Dr. Sakshi Khurana and Dr. Roshan Lal.
- Organised a webinar on 'Nutrition for health and wellness' on September 2, 2021 under Nutrition Awareness Activity. Resource persons were Ms.Nadia Merchant, Ms.Meenu Yadav, Mr.Devendra Chawla, Ms.Megha Mandke and Convener was Dr Eram Rao.
- Organised a webinar on 'Career Opportunities in Food Technology' on August 21, 2021. Resource person was Ms. Anusuya Borah, BCAS Alumnus and Business Development Manager, Givaudan India Pvt. Ltd. and the Convener was Dr. Meenakshi Garg. Coordinators were Dr. Roshan Lal and Dr. Sakshi Khurana.
- Organised a Plantation drive in association with the garden committee, on June 15, 2021, with Dr. Meenakshi Garg as convenor.
- Celebrated World Food Safety Day on 'Food Safety and Healthy Living' from June 7 to June 11, 2021. Convener was Dr.Eram Rao, Coordinator was Dr. Meenakshi Garg, Co-coordinators were Dr. Roshan Lal, Dr. Sakshi Khurana and Dr. C. Lalmuanpuia.
- Organised a workshop on “Instrumental Analysis of materials” from March 15-19, 2021, with Dr. Avneesh Mittal, Ms. Shweta Dua, Dr. Siddharth Sirohi, Dr. Anil Barak, Dr. Eram Rao, Dr. Rizwana, Dr. Anita Sondhi as coordinators and resource persons as Ms. Shweta Dua, Dr. Siddharth Sirohi, Dr. Anil Barak, Dr. Anita Sondhi, Dr. Krishna Dutt, Dr. Eram Rao, Dr. Rizwana, and Dr. Sakshi
- Organised a workshop and hands on training on “Development and testing of Packaging films” from March 11-12, 2021. Coordinators were Dr. Avneesh Mittal, Dr. Siddharth Sirohi, Dr. Eram Rao, Dr. Rizwana and resource persons were Dr. Rizwana, Dr. Eram Rao, Dr. C Lalmuanpuia, Dr. Siddharth Sirohi, Dr. Krishan Dutt, Dr. Anil Barak, Dr. Avneesh Mittal, Mr. Manoj Kumar.
- Organised virtual Alumni meet on 6th March 2021. Mr. Jatin Takkar from Siegwark India Pvt. Ltd. and Ms. Parina Garg from Int. Flavours and Fragrances Inc. were the resource persons. Conveners were Dr. Eram Rao and Dr. Vandana Batra, coordinator was Dr. Meenakshi Garg and co-coordinators were Dr. Roshan Lal and Dr. Sakshi Khurana.

FACULTY ACHIEVEMENTS

Dr. Rizwana

- Participated as a delegate in the 12th India Probiotic Symposium ‘Good Microbiome, Probiotics and Good Health-The Evidence gets Stronger’ organised by the Gut Microbiota and Probiotic Science Foundation (India), on March 5-6, 2022.

- Completed a 5-day National Workshop on ‘Rapid Detection of Food Adulterants’ from February 21-25, 2022 in hybrid mode funded by Indian Council of Social Science Research, Ministry of Education, Govt. of India.
- Completed a two-day workshop on ‘Government e- Marketplace (GeM)’ organised by college from January 27-28, 2022.
- Expert member of Area Advisory Board (AAB) Amity University for Foods & Nutrition Stream.
- Attended an online workshop for faculty on ‘Know Your Rivers’ organised by Nadi Ko Jano Committee on January 8, 2022
- Participated in a workshop on ‘Decoding Brahma’ organised by the Digitization and Automation committee of the college on August 24, 2021.
- Completed five-days’ workshop on Food Safety Management System (ISO 22000:2018) & Internal Auditor (ISO 19011:2018) organised by Department of Food Technology, Lady Irwin College and Green Food Consultancy during March 2021.
- Attended 11 India Probiotic Symposium, ‘Role of Gut Microbiota and Probiotics in Reducing Viral Infections-Mechanisms to Combat Them’ organised by the Gut Microbiota and Probiotic Science Foundation (India) on March 13-14, 2021.
- Received award certificate for having Secured Top 5 position in ‘Category B’ for Team Annapurna, along with student Aman Yadav for the National Low Salt Cooking Challenge under the Eat Right India Movement conducted from January 27 - March 12, 2021 organised by FSSAI.
- Member, Faculty of Science, University of Delhi, under 9(3)(v) Teacher’s category w.e.f. May 4, 2020 for a term of three years.

Prof. Eram S Rao

- **Rao,E.S.**, Shukla, S., & Rizwana (2022). Food Traceability System in India, Measurement: *Food*, 5, 100019.
- Lalmuanpuia,C.,Singh,B.,Sharma, S.,& **Rao,E.S.** (2022). Optimization of extrusion conditions for puffed snacks from red glutinous rice using Response Surface Methodology. *Zeichen Journal* **8** (3): 410-425.
- **Rao, E. S.**,Meena P.M., Barwa M.N. (2021). Development of sugar free cookies with novel biodegradable packaging film. *Journal of Applied and Natural Science*, **13**(1), 316 – 326
- Bharti,R., Marwaha,A., Badshah,T., Sengupta,R., Barmi,B., **Rao, E.S**, Madan,J., Bhatia,B. (2021) Nutritional Education Intervention Focussed on Iron among School Children. *Journal of Clinical and Diagnostic Research*,**15**(4),OC31-OC36.

- Rizwana, Sharma, R., **Rao, E.S**, Swer, L.T., Agarwal, A. (2021). Physicochemical, Sensorial and Microbiological Analysis of Minimally Processed Fruits Of Papaya And Pineapple. *Plant Archives* 21(1), 1405-1412
- Garg, M., Balodi, A., Trivedi, R., **Rao, E. S**, Sadhu, D.S., Singh, P., & Chopra, R. (2021). An overview of recent innovations in food packaging and their role in food safety and quality. *Science, Technology and Development*, X (VI):801
- Rao, **E.S**, Lalmuanpuia, C. Rizwana, Singh, U. & Prajapat, D. (2021). Endocrine Disruptors in Food Chain *Int. J. Curr. Microbiol. App. Sci* 10(6), 175-187.
- Lalmuanpuia, C., Singh, B., Sharma, S., & **Rao, E.S**. (2021). Effect of different binding agents on the cooking quality of glutinous rice-based pasta. *Science, Technology and Development*, X (VII):75
- **Rao, E.S.**, Rizwana, Lalmuanpuia, C., Krishna, U.K. and Saloni, G. (2021). Naturally occurring non-nutritive sweeteners: A review. *International Journal of Applied Research*, 7(7), 12-21
- Member, Evaluation Committee for Union Territories constituted by FSSAI for State Food Safety Index 2020- 21.
- Madan, J., Blong T, Rao, E.S., Marwaha, A., Mehra, J., Bharti, R., Sharma, N., Samaddar, R. Pandey, S., Mah, E., Varsha Shete, V., YiFang Chu, Y.F. and Oliver Chen, O. (2021). Effect of COVID-19 Pandemic-Induced Dietary and Lifestyle Changes and Their Associations with Perceived Health Status and Self-Reported Body Weight Changes in India: A Cross-Sectional Survey. *Nutrients* 13, 3682.
- Release of “Clean Label Report on Indian Packaged Foods’ November 9, 2021.
- Attended Short Term Course NEP 2020 organised by CPDHE. from October 20- 26, 2021.
- Mastering the craft of academic writing: a systematic approach, Webinar by Wiley’s held on 31 Aug, 2021
- Invited speaker on “Life with Food Allergy” webinar held on 4 July, 2021 by UPES, Dehradun.
- Conquering the intricacies of citations and references Webinar by Wiley’s held on 24 Aug, 2021.
- Mini-dialogue Consultation on Delivering Nutrition for Children held by CII on 13 August 2021.
- UN Mini Consultation session on “Access Safety of food for all “& “Access to safe water for human consumption held by CII on 4 August 2021.
- Chairperson for Webinar on “# Be the real Fit”, held on 5 oct, 2021 by CII
- Understanding Food Allergies- in conversation with Amita Singh, organised by Club Literati on August 1, 2021.

- Panellist at the CII webinar on “Growing Consumers Expectations on Emerging packaged Food labelling Trends” held on November 9, 2021.
- Invited speaker for a National webinar on” Role of Nutrition in maintain health”
- Reviewer for Agarwal, P. and Mathur, P. (2021). Eat Right - A Food Systems Approach. Food Future Foundation, New Delhi.
- National webinar on “Are we eating safe? Perils of unintended contaminants in the food chain”, organised by Nutrition Society of Bhopal on 25 Nov,2021
- Rizwana, **Rao, E.S.**, Sondhi,A., Agarwal,A., Verma,A., Kant, K. and Kumar, K.. (2021). Consumer’s attitude and awareness towards functional foods during COVID-19. *Annals of Phytomedicine*, 10, Special Issue2 (COVID-19): S56-S62.
- Attended “Role of gut microbiota and Probiotics in reducing viral infections- Mechanisms to combat them”, organised by the Gut microbiota and probiotics science foundation (India) ON 13 -14 th March 2021.
- Resource person for online Training workshop on Covid-19 Bio-disaster – Preparedness, Response and Resilience of Occupational Settings, held from 27-29 May 2021.
- Invited speaker on World Food Safety Day on “Food Safety Tips for a Healthy Life”, conducted by West District Legal Services Authority on 7June 2021.
- Invited speaker on World Food Safety Day on “Assuring Food Safety through One Health Approach”, organised by Amity Institute of Food Technology, Amity University, NOIDA on 7 June 2021.
- Invited speaker for a National Webinar on “Food as Medicine: यः आहारः स एव विचारः।”, by Shakti on Nutrition and Immunity, on 4 June 2021.
- Member, Evaluation Committee for Union Territories constituted by FSSAI for State Food Safety Index 2020- 21.

Dr. Meenakshi Garg

- Sharma, B., Sandilya, A., Sharma, S., **Garg, M.**, & Sadhu, S. D. (2021). Thermo-mechanical investigation of PEG–PVA biohybrid active film grafted with copper nanoparticles for packaging applications. *Bulletin of Materials Science*, 44(2), 1-11.
- **Garg, M.**, Meena, P. M., Wason, S., Sadhu, S.S, Chopra, R. and Dhyani, A. (2021). Effect of Frying on Physicochemical Properties of Sesame and Soybean Oil Blend. *Journal of Applied and Natural Sciences*.13(3): 820-829.,
- **Garg, M.**, Balodi, A.,Trivedi,R., Rao, E.S., Sadhu, S.D., Singh, P., & Chopra, R. (2021) An overview of recent innovations in food packaging and their role in food safety and quality. *Science, Technology and Development Journal*, 10(6).801-17

- Dhyani, A., Prajapati, P., Chopra, R., **Garg, M.**, and Singh, P. (2021). Physicochemical Characteristics and Thermal Stability of Perilla Seed Oil of Indian Origin. *Journal of Pharmaceutical Research International*, 3(60A): 501-511., .
- Bhasha Sharma, Rajni Chopra, Susmita Dey Sadhu and **Meenakshi Garg** 2021 Role of Packaging in Food Processing” in the book “Food Chemistry: The Role of Additives, Preservatives and Adulteration’ published by Scrivener Publishing (Edited by Mousumi Sen), .
- Preeti Khanna, Rajni Chopra and **Meenakshi Garg** 2021 “Law Impacting Chemicals added to Food” in the book “Food Chemistry: The Role of Additives, Preservatives and Adulteration’ published by Scrivener Publishing (Edited by Mousumi Sen), .
- Registered Ph.D. student Ms Neha Singh under the joint supervision with Dr. Rajni Chopra, in April 2021.
- Registered Ph.D. student Ms Priyanka Prajapati under the joint supervision with Dr. Rajni Chopra, in April 2021
- Submitted Ph.D thesis of Ms. Ghazala Riaz in the Department of Home Science under joint supervision with Dr. Rajni Chopra in March 2021.
- Delivered online lecture on 12th September 2021 on the topic Food Packaging and Labelling in the Industry-oriented Add-on Course on “FOOD SCIENCE & TECHNOLOGY: FARM TO FORK” (14th August 2021 to 9th November 2021) offered by the Department of Chemistry, Sri Venkateswara College, University of Delhi, India
- Worked as Mentor in the Industry oriented Add on Course on Food Science and Technology: Farm to Fork (August 14- November 09, 2021) offered in the Department of Chemistry, Sri Venkateswara College, University of Delhi..
- Delivered Invited talk on inaugural day of the Industry oriented Add on Course on Food Science and Technology: Farm to Fork on 14th August 2021 offered in the Department of Chemistry, Sri Venkateswara College, University of Delhi.
- Coordinated short term course entitled “Innovative Packaging and Sustainability from 26th July 2021 to 28th August 2021 organised by Bhaskaracharya College of Applied Sciences and Foundation of Innovative Packaging and Sustainability using online platform.

Dr. Roshan Lal

- **Yadav, R.**, Siwatch, M., & Yadav, U. (2021). Mechanism of Bioactive Compounds of Nutraceuticals. In A. Kumari, G. Singh (Ed.), *Nutraceuticals Food Application and Health Benefits* (pp. 131). Nova Publication, India.

- Guleria, P., **Yadav, R.**, & Yadav, B. S. (2021). Sweet Potato Starch: Properties and Its Bioactive Components. In S. Punia, A. K. Siroha, M. Kumar (Ed.), *Handbook of Cereals, Pulses, Roots, and Tubers* (pp. 569-582). CRC Press-Taylor & Francis.
- Delivered expert lecture (Online) on ‘Bakery Technology’ in the Industry oriented Add-on course on “Food Science & Technology: Farm to Fork” organised by Sri Venkateswara College (University of Delhi) on October 16, 2021.
- Delivered expert lecture (Online) on ‘Confectionary Technology’ in the Industry oriented Add-on course on “Food Science & Technology: Farm to Fork” organised by Sri Venkateswara College (University of Delhi) on October 9, 2021.
- Participated in a workshop on ‘Decoding BRAHMA’ organised by Digitization & Automation Committee of BCAS on August 23, 2021.
- Participated in one week online National Faculty Development Program on ‘Assessment and Evaluation in Higher Education’ organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNM) of Ministry of Education, GoI from July 14- 20, 2021.
- Sehgal, S., **Yadav, R.**, Kumar, M., Saji, H., & Sen, A. (2021). Phytochemical screening and antimicrobial potential of the flower extracts of *Hibiscus rosa sinensis* L., *Moringa oleifera* Lam. and *Catharanthus roseus* (L.) G. Don. *Indian Journal of Applied & Pure Biology*. 36(2), 443-453.

Dr. Sakshi Khurana

- Completed Entrepreneurship Development Program on ‘Labelling Display and Packaging Materials Regulations of FSSAI’ organised by college from March 26 - 28, 2022.
- Resource Person for National Workshop on ‘Rapid Detection of Food Adulterants’ held from February 21, 2022 to February 25, 2022.
- Attended a workshop on ‘Decoding BRAHMA’ organised by the Digitization and Automation committee of the college on August 23, 2021.
- Attended a webinar on ‘Covid-19: Immunisation Awareness’ organised under the NSS awareness programme on April 14, 2021.
- Resource Person during the inter-college hands on training and workshop on ‘Instrumental Analysis of Materials’ held from March 15 to March 19, 2021 organised by departments of Instrumentation, Biochemistry, Food Technology and Polymer Science.

Ms. Manisha Thakur

- Resource Person for National Workshop on ‘Rapid Detection of Food Adulterants’ held from February 21, 2022 to February 25, 2022
- Attended a panel discussion on ‘Food Technology: The Future Ahead’ organised by college in collaboration with the Alumni committee on January 15, 2022.
- Attended a National Workshop on ‘Role of National Education Policy in Empowering Qualities in Youth of 21st Century’ organised by the college on January 12, 2022.

DEPARTMENT OF HUMAN COMMUNICATION

Departmental Activities

- Conducted a workshop on ‘Holistic Wellness: The Way Forward’ for the short term course conducted by the college in association with Department of Physical Education and Sports Sciences, University of Delhi on September 11, 2021.

FACULTY ACHIEVEMENTS

Dr. Madhulika Bajpai

- Invited as a resource person for the workshop on ‘Gender Sensitization’ & Stress Management” for the Sashastra Seema Bal personnel on March 7 and March 12, 2022.
- Attended two-day workshop on ‘Government e-Marketplace (GeM)’ organized by Central Purchase Committee of the college held from January 27-28, 2022.
- Coordinated a program on ‘Intellectual Property Rights’ under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India on January 17, 2022.
- Invited as the resource person in AICTE Training and Learning (ATAL) Academy for an online elementary Faculty Development Program (FDP) on ‘Gene and Genome Technology for Biologists’ organised by Bihar Animal Science University between November 22-26, 2021.
- Invited as a resource person for the ‘Capacity Building and Personality Development Program’ workshop session ‘Personal Capacity Building’ organized by Non-Collegiate Women’s Education Board (NCWEB) in collaboration with National Commission for Women on November 22, 2021.
- Attended the webinar on ‘Interview Strategies for Academic Jobs’ organized by the American Psychological Association on October 8, 2021.
- Attended the workshop on ‘Assessing Online DU Library Resources & Aspects of Similarity Index’ organized by the Library Committee of the college on October 5, 2021.
- Attended a webinar on ‘Grief Counselling’ organized by Vadodara Psychology Club on September 26, 2021.

- Attended the IASP 31st World Congress on ‘Suicide Prevention and Self-Harm’ organized by International Association for Suicide Prevention held between September 21-24, 2021.
- Attended NPPA webinar on ‘Current Trends in Psychological Testing’ organized by National Positive Psychology Association (NPPA) on September 24, 2021.
- Attended the webinar on ‘Indian Rivers: Ancient Culture and Modern Science’ jointly organized by the Swacchata and e-Waste Management Committee and Biological and Chemical Waste Management Committee of the college on September 15, 2021.
- Participated in the National CME on ‘ICD 11 Mental, Behavioural or Neurodevelopmental Disorders: How does it impact your Psychiatric Training and Practice’ conducted by Department of Psychiatry, PGIMER, Chandigarh on September 15, 2021.
- Attended the 9th International conference on ‘Issues and Challenges in Doctoral Research (ICICDR-2021)’ on the occasion of World Doctorates Day organized by Amity University, Haryana on August 25, 2021.
- Attended the workshop on ‘Decoding BRAHMA’ organized by Digitization and Automation and Committee of the college on August 25, 2021.
- Participated in an online talk of Short Term Certificate course on ‘Fitness Management’ on the topic ‘Role of Lifestyle in Fitness Management’ organized by the college in association with Department of Physical Education and Sports Sciences, University of Delhi on August 7, 2021.
- Conducted a workshop on the theme of ‘Reflect-Realize-Reach Out’ for the Department of Biochemistry, Venkateshwara College, University of Delhi on July 10, 2021.
- Attended NPPA webinar on ‘Positive Psychology: Contributions from the Bhagavad Gita’ organized by National Positive Psychology Association on July 8, 2021.
- Conducted an online workshop on ‘Minding the Mind in this Pandemic’ on the topic ‘Stress Management’ organized by the Delhi Chapter of Chinmaya Yuva Kendra (CHYK) on June 27, 2021.
- Participated in the two-day online workshop on ‘Transformation through NAAC Accreditation Process, A National Level Workshop for Higher Educational Institutions’ organized by Institute for Academic Excellence, Hyderabad in collaboration with Collegiate Education and Technical Education Department, Telangana State held between June 21-22, 2021.
- Invited speaker for a series of e-lectures on ‘Effective Interpersonal Communication’, ‘Psychological Wellness’ and ‘Positive Living’ organized by Bihar Animal Sciences University, Patna under NAHEP-IG project held on June 4, June 15 & June 18, 2021.
- Invited speaker for a ‘Youth Empowerment Program’ organized by Sexual Harassment Law Compliance Advisory on May 28, 2021.

- Attended NPPA webinar on ‘Strength and Self-care during the Pandemic-Lessons from Positive Psychology’ organized by National Positive Psychology Association held on May 27, 2021.
- Attended the 12th TRIPLE i in Suicidology Virtual conference organized by International Association for Suicide Prevention held between May 25-27, 2021.

DEPARTMENT OF INSTRUMENTATION

Departmental Activities

- Organized one-day National Webinar on ‘Seeing in Dark through Image Processing’ by Mr. Mohit Lamba on January 22, 2022. Dr. Manoj Tiwari was the convener and Mr. Pawan, Ms. Shweta Dua were coordinators.
- Organized an ‘Online Practical Demonstration on New Technique’ by Mr. Pawan Kumar on January 21, 2022. Dr. Manoj Tiwari was the convener and Mr. Pawan, Ms. Shweta Dua were coordinators.
- Organized ‘Entrance Examination Preparation Classes and Counseling Session’ from January 29-February 12, 2022. Resource persons were Dr. Manoj Tiwari, Mr. Pawan Kumar, Mr. Yagyadatta Goswami, Dr. Anil Kumar, Dr. Amandeep Kaur, Mr. Rakesh Kumar, Mr. Manoj Kumar and Ms. Shweta Dua. Dr. Manoj Tiwari was the convener. Mr. Pawan Kumar and Mr. Yagyadatta Goswami were coordinators.
- Organized an online demonstration ‘Digital Electronics and Microprocessors Practicals’ by Mr. Rakesh and Mr. Pawan Kumar of the Department on October 28, 2021. Prof. Avneesh Mittal was the convener and Mr. Rakesh and Mr. Pawan were resource persons and Mr. Manoj Kumar was the coordinator.
- Organized an ‘Electronic Waste Awareness Program’ in association with the Department of Electronics on August 29, 2021. Prof. Avneesh Mittal was the convener and Dr. Amit Kumar, Dr. Anil Kumar and Dr. Amandeep Kaur were the coordinators.
- Organized an Intercollege Virtual workshop on ‘Optimization of Feedback Control System using PID Controller’ in association with the Department of Electronics and Romtek by Mr. Anand Bhushan on July 13, 2021. Prof. Avneesh Mittal was the convener and Dr. Jitender Kumar and Ms. Shweta Dua were the coordinators.
- Organized a five-day intercollege hands on training workshop on ‘Instrumental Analysis of Materials’ in collaboration with the Department of Biochemistry, Department of Food Technology and the Department of Polymer Science from March 15-19, 2021. Resource persons were Dr. Siddharth Sirohi, Dr. Anil Barak, Dr. Anita Sondhi, Ms. Shweta Dua, Dr. Karishna Dutt, Dr. Eram S Rao, Dr. Rizwana and Dr. Sakshi. Coordinators were Dr. Avneesh Mittal.
- Organized Hands-on Training on New Techniques ‘Obtaining different Lissajous patterns using All Pass Filter’ by Mr. Pawan Kumar of the Department on March 18,

2021. Resource person was Dr. Avneesh Mittal, Mr. Rakesh and Mr. Pawan Kumar. Dr. N.S. Abbas was coordinator.

- Organized a two day Inter College Workshop & Hands on Training on ‘Development and Testing of Packaging Films’ in collaboration with the Department of Polymer Science and the Department of Food Technology from March 11-12, 2021. Coordinators were Dr. Avneesh Mittal, Dr.Siddharth Sirohi, Dr. Anil Barak, Mr.Manoj Kumar, Dr. Karishna Dutt, Dr.Eram S Rao, Dr.Rizwana.
- Organized practical demonstration ‘To find the Leftover Volume of Beverages after partial Consumption using Differential Pressure Transmitter’ by Dr. Anil Kumar in collaboration with the Department of Food Technology on March 5, 2021. Coordinator was Dr. N.S. Abbas, Dr. Meenakshi Garg and Dr. Anil Kumar.

FACULTY ACHIEVEMENTS

Ms. Shweta Dua

- Participated in ‘Virtual Nature Walk at Aravalli Biodiversity Park’ organized by the Department of Environmental Studies of the college on February 16, 2022.
- Resource person in ‘Entrance Examination Preparation Classes and Counselling Session’ organized by the Department of Instrumentation of the college from January 29- February 12, 2021.
- Participated in the event ‘75 Crore Suryanamaskar and Yoga’ organized by the Department of Physical Education and Yoga Club of the college on February 3, 2022.
- Participated in National Webinar on ‘राष्ट्रीय शिक्षा नीति और भारतीय ज्ञान परम्परा’ organized by NEP 2020 & Vidya Vistar Committee of the college on January 29, 2022.
- Participated in a two-day workshop on ‘Government e- Marketplace (GeM)’ organized by the Central Purchase Committee of the college from January 27-28, 2022.
- Participated in ‘National Pension Scheme’ organized by Capability Enhancement and Literary Club of the college on January 21, 2022.
- Participated in IP Awareness/Training program under National Intellectual Property Awareness Mission organized by Intellectual Property Office on January 17, 2022.
- Participated in webinar on ‘Geotagging’ organized by Photography Club of the college on December 30, 2021.
- Participated in e-workshop on ‘Advanced Spectroscopy for Emerging Materials’ organized by CSIR-National Physical Laboratory, New Delhi from December 22-23, 2021.
- Attended workshop on ‘Event Coordination and Database Management’ organized by NAAC committee of the college from November 22-25, 2021.

- Participated in an online workshop on ‘Student Satisfaction Survey’ organized by IQAC of the college on November 12, 2021.
- Participated in an online demonstration ‘Digital Electronics and Microprocessors Practical’s organized by Department of Instrumentation of the college on October 28, 2021.
- Participated in an e-workshop on ‘Login Feature of College Website’ organized by the Website and Internet Committee of the college on October 26, 2021.
- Participated in a workshop on ‘Assessing Online DU Library Resources & Aspects of Similarity Index’ organized by the Library Committee of the college on October 5, 2021.
- Participated in a workshop on ‘Recent Trends in Organic Electronics and Displays’ organized by the Department of Electronics of the college on September 17, 2021.
- Participated in a workshop on ‘Decoding Beams’ organized by the Digitization and Automation Committee of the college on September 1, 2021.
- Participated in a workshop on ‘Decoding Brahma’ organized by the Digitization and Automation Committee of the college on August 24, 2021.
- Participated in webinar on ‘Injurious Invaders: Our Immune System and the Vaccines for Defense’ organized by the NAAC Committee of the college on July 23, 2021.
- Participated in webinar on ‘Digital Interventions in Public Health’ organized by Digitization and Automation Committee of the college on July 14, 2021.
- Participated in webinar on ‘My Life with Rocket Science’ organized by ECA committee of the college on the occasion of India @75, Azadi ka Amrut Mahotsav on July 7, 2021.
- Participated in a workshop on ‘Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by the NAAC committee of the college on June 6, 2021.
- Completed one-week National Faculty Development Programme on ‘Essentials of Entrepreneurship’ jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education and Deen Dayal Upadhyaya College, University of Delhi from March 30- April 3, 2021.

Dr. Anil Kumar

- Participated in a two-day workshop on ‘Government e- Marketplace (GeM)’ organized by the Central Purchase Committee of the college from January 27-28, 2022.
- Participated in the one-day National Webinar on ‘Seeing in Dark through Image Processing’ organized by the Department of Instrumentation of the college on January 22, 2022.

- Participated in ‘National Pension Scheme’ organized by Capability Enhancement and Literary Club of the college on January 21, 2022.
- Participated in an online workshop on ‘Know your Rivers’ organized by Nadi Ko Janno Committee of the college on January 8, 2022.
- Participated in webinar on ‘Geotagging’ organized by Photography Club of the college on December 30, 2021.
- Participated in a national webinar on ‘Energy conservation, loss in value and way forward’ organized by Eco club of the college on occasion of National Energy conservation day on December 14, 2021.
- Participated in an online distinguished lecture on ‘CMOS scaling: Negative capacitance and challenges Ahead’ jointly organized by IEEE-Electron device society delhi chapter India and Department of Electronics, Maharaja Agrasen college, University of Delhi on December 3, 2021.
- Participated in an online workshop on ‘Student Satisfaction Survey’ organized by IQAC, Bhaskaracharya College of Applied Sciences on November 12, 2021.
- Participated in a webinar on ‘Nanotechnology and Optoelectronics’ organized by Department of Physics and Department of Electronics NSS November 8, 2021.
- Participated in a workshop on ‘Decoding Beams’ organized by the Digitization and Automation Committee of the college on September 1, 2021.
- Participated in an online demonstration ‘Digital Electronics and Microprocessors Practical’s organized by Department of Instrumentation of the college on October 28, 2021.
- Participated in an e-workshop on ‘Login Feature of College Website’ organized by the Website and Internet Committee of the college on October 26, 2021.
- Participated in a workshop on ‘Decoding Brahma’ organized by the Digitization and Automation Committee of the college on August 24, 2021.
- Participated in talk of short term course on Fitness Management on ‘Role of Lifestyle in Fitness Management’ organized by the college in association with the department of physical education and sports sciences, University of Delhi on August 7, 2021.
- Participated in webinar on ‘Injurious Invaders: Our Immune System and the Vaccines for Defense’ organized by the NAAC Committee of the college on July 23, 2021.
- Participated in the inaugural talk of short term course on Fitness Management on ‘Fitness Landscape Redefined’ organized by the college in association with Department of Physical Education and Sports Sciences, University of Delhi on July 18, 2021.
- Participated in webinar on ‘Digital Interventions in Public Health’ organized by Digitization and Automation Committee of the college on July 14, 2021.
- Participated in the Intercollege Virtual Workshop on ‘Optimization of Feedback Control System using PID Controller’ organized by the Department of Instrumentation

and Department of Electronics of our college in association with the Romtek on July 13, 2021.

- Participated in National webinar on ‘The End of Future: Learning from the Climate Crisis’ as a part of short term course on ‘Environmental Friendly Teaching Practices’ organized by the college on July 11, 2021.
- Participated in a workshop on ‘Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by the NAAC committee of the college on June 6, 2021.
- Participated in National webinar on ‘Wildlife conservation Issues’ organized by NSS on occasion of world environment day on June 5, 2021.
- Completed one-week National Faculty Development Programme on ‘Essentials of Entrepreneurship’ jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education and Deen Dayal Upadhyaya College, University of Delhi from March 30- April 3, 2021.
- Participated in National webinar on ‘Covid 19: Immunization Awareness’ organized under NSS awareness programme on April 14, 2021.
- Participated in the National webinar on ‘Covid 19: Precautions & Cure’ organized by NSS on April 10, 2021.
- Completed five-day FDP cum workshop on ‘Artificial Intelligence’ organized by Department of Electronics, Sri Aurobindo College, University of Delhi from April 2-6, 2021.
- Attended webinar on ‘Introduction to COSMOL Multiphysics’ organized by Department of Physics, Deshbandhu college, University of Delhi on March 25, 2021.

Mr.Pawan Kumar

- **Kumar, P.**, Dua, S., Kaur, R., Kumar, M., Bhatt, G., (2022). A review on advancements in carbon quantum dots and their applications in photovoltaics: *RSC Adv.*, 12, 4714
- Participated in ‘Virtual Nature Walk at Aravalli Biodiversity Park’ organized by the Department of Environmental Studies of the college on February 16, 2022.
- Participated in a two-day workshop on ‘Government e- Marketplace (GeM)’ organized by the Central Purchase Committee of the college from January 27-28, 2022.
- Participated in webinar on ‘Geotagging’ organized by Photography Club of the college on December 30, 2021.
- Attended workshop on ‘Event Coordination and Database Management’ organized by NAAC committee of the college from November 22-25, 2021.
- Participated in an online workshop on ‘Student Satisfaction Survey’ organized by IQAC of the college on November 12, 2021.

- Delivered a lecture on the topic ‘Semiconductor: Heart of Electronics’ at AIRAE , Amity University Noida on November 12, 2021.
- Participated in a workshop on ‘Decoding Beams’ organized by the Digitization and Automation Committee of the college on September 1, 2021.
- Participated in a workshop on ‘Decoding Brahma’ organized by the Digitization and Automation Committee of the college on August 24, 2021.
- Participated in webinar on ‘Digital Interventions in Public Health’ organized by Digitization and Automation Committee of the college on July 14, 2021.
- Participated in the Intercollege Virtual Workshop on ‘Optimization of Feedback Control System using PID Controller’ organized by the Department of Instrumentation and Department of Electronics of our college in association with the Romtek on July 13, 2021.
- Participated in a workshop on ‘Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by the NAAC committee of the college on June 6, 2021.
- Completed one-week National Faculty Development Programme on ‘Essentials of Entrepreneurship’ jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education and Deen Dayal Upadhyaya College, University of Delhi from March 30- April 3, 2021.

Mr. Rakesh Kumar

- Participated in a two-day workshop on ‘Government e- Marketplace (GeM)’ organized by the Central Purchase Committee of the college from January 27-28, 2022.
- Participated in the one-day National Webinar on ‘Seeing in Dark through Image Processing’ organized by the Department of Instrumentation of the college on January 22, 2022.
- Participated in ‘National Pension Scheme’ organized by Capability Enhancement and Literary Club of the college on January 21, 2022.
- Participated in an online workshop on ‘Know your Rivers’ organized by Nadi Ko Janno Committee of the college on January 8, 2022.
- Participated in an e-workshop on ‘Login Feature of College Website’ organized by the Website and Internet Committee of the college on October 26, 2021.
- Participated in a workshop on ‘Decoding Beams’ organized by the Digitization and Automation Committee of the college on September 1, 2021.
- Participated in a workshop on ‘Decoding Brahma’ organized by the Digitization and Automation Committee of the college on August 24, 2021.
- Participated in webinar on ‘Digital Interventions in Public Health’ organized by Digitization and Automation Committee of the college on July 14, 2021.

- Participated in the Intercollege Virtual Workshop on ‘Optimization of Feedback Control System using PID Controller’ organized by the Department of Instrumentation and Department of Electronics of our college in association with the Romtek on July 13, 2021.
- Participated in webinar on ‘My Life with Rocket Science’ organized by ECA committee of the college on the occasion of India @75, Azadi ka Amrut Mahotsav on July 7, 2021.
- Participated in a workshop on ‘Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by the NAAC committee of the college on June 6, 2021.

Mr. Manoj Kumar

- Participated in a two-day workshop on ‘Government e- Marketplace (GeM)’ organized by the Central Purchase Committee of the college from January 27-28, 2022.
- Participated in an online workshop on ‘Know your Rivers’ organized by Nadi Ko Janno Committee of the college on January 8, 2022.
- Participated in a workshop on ‘Recent Trends in Organic Electronics and Displays’ organized by the Department of Electronics of the college on September 17, 2021.
- Participated in a workshop on ‘Decoding Beams’ organized by the Digitization and Automation Committee of the college on September 1, 2021.
- Participated in the Electronic Waste Awareness Program organized by the Department of Instrumentation and Department of Electronics of the college on August 29, 2021.
- Participated in a workshop on ‘Decoding Brahma’ organized by the Digitization and Automation Committee of the college on August 24, 2021.
- Participated in webinar on ‘Digital Interventions in Public Health’ organized by Digitization and Automation Committee of the college on July 14, 2021.
- Participated in the Intercollege Virtual Workshop on ‘Optimization of Feedback Control System using PID Controller’ organized by the Department of Instrumentation and Department of Electronics of the college in association with the Romtek on July 13, 2021.
- Participated in webinar on ‘The end of the future: Learning from the climate crisis’ organized as a part of Short-Term Certificate Course on Environmental Friendly Teaching Learning Practices on July 11, 2021.
- Participated in webinar on ‘My Life with Rocket Science’ organized by ECA committee of the college on the occasion of India @75, Azadi ka Amrut Mahotsav on July 7, 2021.
- Participated in a webinar on ‘Machine Learning Using Python’ organized by the Department of Computer Science of the college on June 18, 2021.

- Participated in workshop on ‘Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by the NAAC committee of the college in association with Mahatma Gandhi National Council of Rural Education, Ministry of Education, Govt. of India on June 6, 2021.
- Completed five-day FDP cum workshop on ‘Artificial Intelligence’ organized by Department of Electronics, Sri Aurobindo College, University of Delhi from April 2-6, 2021.

Dr. Amandeep Kaur

- Attended ‘Nanomaterial Virtual Training Program’ organized by Department of Physics Bhagini Nivedita College, Shivaji College, Motilal Nehru College and Bhaskaracharya College of Applied Sciences on January 27, 2022.
- Participated in the one-day National Webinar on ‘Seeing in Dark through Image Processing’ organized by the Department of Instrumentation of the college on January 22, 2022.
- Participated in ‘National Pension Scheme’ organized by Capability Enhancement and Literary Club of the college on January 21, 2022.
- Attended workshop on ‘Event Coordination and Database Management’ organized by NAAC committee of the college from November 22-25, 2021.
- Completed one week (online) Interdisciplinary Faculty Development Programme on ‘Youth and Climate Change’ organized by Bhaskaracharya College of Applied Sciences and Catholice college postgraduate & research Department of Botany, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) from October 27- November 3, 2021.
- Participated in an online demonstration ‘Digital Electronics and Microprocessors Practical’s organized by Department of Instrumentation of the college on October 28, 2021.
- Participated in a workshop on ‘Decoding Beams’ organized by the Digitization and Automation Committee of the college on September 1, 2021.
- Participated in the National webinar on ‘Technological Advancements for Cleaner Waste Management: Road Ahead and Opportunities’ organized by the Department of Chemistry of the college on August 25, 2021.
- Participated in a workshop on ‘Decoding Brahma’ organized by the Digitization and Automation Committee of the college on August 24, 2021.
- Participated in webinar on ‘Injurious Invaders: Our Immune System and the Vaccines for Defense’ organized by the NAAC Committee of the college on July 23, 2021.
- Participated in webinar on ‘Digital Interventions in Public Health’ organized by Digitization and Automation Committee of the college on July 14, 2021.

- Participated in the Intercollege Virtual Workshop on ‘Optimization of Feedback Control System using PID Controller’ organized by the Department of Instrumentation and Department of Electronics of the college in association with the Romtek on July 13, 2021.
- Participated in webinar on ‘My Life with Rocket Science’ organized by ECA committee of the college on the occasion of India @75, Azadi ka Amrut Mahotsav on July 7, 2021.
- Completed one week (online) Interdisciplinary Faculty Development Programme on ‘Microsoft Tools for Creating Effective Teaching and Learning Environment’ organized by Vivekananda College in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi from June 7-13, 2021.
- Completed five-day FDP cum workshop on ‘Artificial Intelligence’ organized by Department of Electronics, Sri Aurobindo College, University of Delhi from April 2-6, 2021.

Mr. Yagyadatta Goswami

- Participated in a two-day workshop on ‘Government e- Marketplace (GeM)’ organized by the Central Purchase Committee of the college from January 27-28, 2022.
- Participated in ‘National Pension Scheme’ organized by Capability Enhancement and Literary Club of the college on January 21, 2022.
- Participated in IP Awareness/Training program under National Intellectual Property Awareness Mission organized by Intellectual Property Office on January 17, 2022.
- Participated in national webinar on ‘Role of National Education Policy in Empowering Qualities in Youth of 21st Century’ organised by Vivekanand Vichar Manch of the college to celebrate “National Youth Day” (on the occasion of Swami Vivekanand Jayanti) on January 12, 2022.
- Participated in an online workshop on ‘Know your Rivers’ organized by Nadi Ko Janno Committee of the college on January 8, 2022.
- Completed five-day Faculty Development Programme on ‘Type-1 and Type-2 Fuzzy Logic and Its Applications’ organized by AICTE Training and learning Academy from December 6-10, 2021.
- Completed five-day Faculty Development Programme on ‘Integration of Renewable Energy Systems’ organized by AICTE Training and learning Academy from November 22-26, 2021.
- Participated in an online workshop on ‘Student Satisfaction Survey’ organized by IQAC, Bhaskaracharya College of Applied Sciences on November 12, 2021.
- Completed one week (online) Interdisciplinary Faculty Development Programme on ‘Youth and Climate Change’ organized by Bhaskaracharya College of Applied

Sciences and Catholicate college postgraduate & research Department of Botany, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) from October 27- November 3, 2021.

- Participated in webinar on ‘ Empowered women = stronger nation’ organized by Vivekanand vichar manch and women development cell of the college on October 28, 2021.
- Participated in an online demonstration ‘Digital Electronics and Microprocessors Practical’s organized by Department of Instrumentation of the college on October 28, 2021.
- Participated in an e-workshop on ‘Login Feature of College Website’ organized by the Website and Internet Committee of the college on October 26, 2021.
- Presented a paper in 4th IEEE International Conference on Recent Developments in Control Automation & Power Engineering at Amity University, Noida with Paper Title "A Novel PID-AW based MPPT Technique for SPV System" and awarded as a Best Paper from October 7-8, 2021.
- Participated in a workshop on ‘Assessing Online DU Library Resources & Aspects of Similarity Index’ organized by the Library Committee of the college on October 5, 2021.
- Participated in a workshop on ‘Decoding Beams’ organized by the Digitization and Automation Committee of the college on September 1, 2021.
- Participated in a workshop on ‘Decoding Brahma’ organized by the Digitization and Automation Committee of the college on August 24, 2021.
- Participated in webinar on ‘Injurious Invaders: Our Immune System and the Vaccines for Defense’ organized by the NAAC Committee of the college on July 23, 2021.
- Participated in the Intercollege Virtual Workshop on ‘Optimization of Feedback Control System using PID Controller’ organized by the Department of Instrumentation and Department of Electronics of the college in association with the Romtek on July 13, 2021.
- Participated in webinar on ‘The end of the future: Learning from the climate crisis organized as a part of Short Term Certificate Course on Environmental Friendly Teaching Learning Practices on July 11, 2021 .
- Participated in webinar on ‘Digital Interventions in Public Health’ organized by Digitization and Automation Committee of the college on July 14, 2021.
- Participated in a workshop on ‘Designing and Development of e-Resources for Teaching and Learning’ organized by Rajdhani College from June 22-24, 2021.
- Participated in the National webinar on ‘Ecological Entrepreneurship for Personal Excellence, Social Equity and Global Sustainability’ organized by the college on June 5, 2021.

- Participated in workshop on ‘Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by the NAAC committee of the college in association with Mahatma Gandhi National Council of Rural Education, Ministry of Education, Govt. of India on June 6, 2021.
- Participated in a workshop on ‘Designing and Development of e-Resources for Teaching and Learning’ organized by Rajdhani College from June 22-24, 2021.

Students’ achievements

- Diksha of second year secured first position in essay writing competition organized by the electoral registration office on November 26, 2021.
- Diksha of second year secured first position in National portrait making competition organized by Vivekanand vichar manch on October 25, 2021.
- Diksha of second year secured second position in essay writing competition lekhan organized by literary Club of the college on September 5, 2021.
- Diksha of second year won the first position in pen & paper: The essay writing competition in Electronic Waste Awareness Program organized by the Department of Instrumentation and Department of Electronics of the college on August 29, 2021.
- Prakash of second year secured second position in second life: the recreation competition in Electronic Waste Awareness Program organized by the Department of Instrumentation and Department of Electronics of the college on August 29, 2021.
- Vaishali Joshi of third year won the second position in a quiz competition in the Electronic Waste Awareness Program organized by the Department of Instrumentation and Department of Electronics of the college on August 29, 2021.

DEPARTMENT OF MATHEMATICS

Departmental Activities

- Organised Poster-Making Competition jointly with the Vivekanand Vichar Manch committee on theme: ‘Dream India of Swami Vivekananda/स्वामी विवेकानंद का सपनों का भारत’ on October 30, 2021.

FACULTY ACHIEVEMENTS

Dr. Ragini Jindal

- Contributed as a NAAC coordinator for inter college online workshop on ‘Find your Ikigai’ held on February 23, 2022.
- Contributed as a member in an organizing committee for the online session on the topic ‘Gender Lens-A Perspective of Gender Equity’ organized by Gender sensitization committee on February 12, 2022.

- Participated in a two-day workshop on ‘Government e-Marketplace’ organized by Central Purchase Committee held on January 27-28, 2022.
- Participated in a workshop on ‘Decoding Beams’ organised by Digitization and Automation Committee of the college held on September 1, 2021.
- Participated in a workshop on ‘Decoding Brahma’ organised by Digitization and Automation Committee of the college held on August 24, 2021.
- Participated in Webinar on the topic ‘Some Applications of Mathematics’ organised by Satyawati College, University of Delhi held on August 20, 2021.
- Successfully completed Two Week Online National Certificate Program on ‘Biostatistical & Mathematical Skills with Excel and R’ held from August 16-31, 2021 organised by Guru Angad Dev Teaching Learning Centre, a Centre under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education and Department of Botany & Department of Mathematics, SGTB Khalsa College, University of Delhi.
- Participated in webinar on the topic 'Queuing Theory and its RealLife Applications' organised by Satyawati College, University of Delhi held on August 10, 2021.
- Participated in webinar on the topic ‘The End of the Future: Learning from the Climate Crisis’ organized as a part of Short Term Certificate Course on ‘Environmental Friendly Teaching Learning Practices’ on July 11, 2021

Dr. Neeru Sharma

- Attended a short-term course on ‘Leadership Building and Communication Skills’ from January 14-20, 2022 organised by CPDHE, University of Delhi.
- Attended a workshop ‘Student Satisfaction Survey’ on November 12, 2021 organized by Internal Quality Assurance Cell of Bhaskaracharya College of Applied Sciences, University of Delhi.
- Attended a workshop ‘Login Feature of College Website’ on October 26, 2021 organised by the Website and Internet Committee of Bhaskaracharya College of Applied Sciences, University of Delhi.

Ms. Sonam

- Participated in a Program on ‘Gender Sensitization’ organised by Gender Sensitization Committee, Bhaskaracharya College of Applied Sciences, University of Delhi held on February 27, 2022.
- Attended an Event on ‘75 Crore Suryanamaskar & Yoga’ organised by Department of Physical Education & Yoga Club, Bhaskaracharya College of Applied Sciences, University of Delhi held on February 3, 2022.

- Contributed as a Judge in a Debate Competition on the theme ‘Relevance of gender pay gap’ organised by Gender Sensitization Committee, Bhaskaracharya College of Applied Sciences, University of Delhi held on January 22, 2022.

DEPARTMENT OF MICROBIOLOGY

Departmental Activities

- Sukshmjeev Society organized National webinar on ‘Impact of Climate Change on Biodiversity’ on the theme ‘Loss of Biodiversity (Microbial Biodiversity Loss)’ by Dr. Hishmi Jamil Husain, Head of Biodiversity, Corporate Sustainability, Tata Steel Ltd in collaboration with Lakshya on March 16, 2022. The conveners were Dr. Purnima Anand and Dr. Pawas Goswami. Dr. Gunjan Sirohi was the faculty coordinator. Dr. N Vijay Kumar, Dr. Ratyakshi, Dr. Neeru Bhagat, and Dr. Catherine S. Paul were the organizing members.
- Six third year students along with Dr. Neeru Bhagat interacted with students of National Institute of Immunology, Delhi on the occasion of National Science Day on February 28, 2022.
- Organized National online workshop on Intellectual Property Rights (IPR) in collaboration with School of Management, NIT Rourkela from February 21-25, 2022. The titles of the talked were Intellectual Property Rights: An Overview; Geographical Indications: Evolution, Significance and Filing Process; Patents: Importance, Demonstration of Searching and Filing Process; IPR in Biotechnology: An Overview; and New Plant Varieties and Rights of Breeder. The resource persons were Ms. Pearl Sobti, Assistant Vice President, Cell for IPR Promotion and Management (CIPAM), Govt. of India; Prof. (Dr.) K.D.Raju, Rajiv Gandhi School of Intellectual Property Law, IIT Kharagpur, Ms. Vanamala Swapna - Associate Faculty Member, Registered Patent Agent and Trademark Agent, IPFC, National Institute for Micro, Small and Medium Enterprises, Govt of India; Prof. (Dr.) Mukesh K Gupta, Department of Biotechnology and Medical Engineering, NIT Rourkela, Odisha; and Prof. (Dr.) Gouri Ashok Gargate, Rajiv Gandhi School of Intellectual Property Law, IIT Kharagpur. The convener was Dr. Purnima Anand and co-convener was Dr. Arvind Kumar, NIT Rourkela. The coordinators were Dr. Pawas Goswami, and Dr. Ratyakshi. The organizing members included Dr. N Vijaya Kumar, Dr. Neeru Bhagat, Dr. Gunjan Sirohi, Dr. Catherine S Paul.
- Fresher’s party was organized for the first year students of batch 2021-22 on January 8, 2022.
- An outreach activity program was organized under ‘Science Adda’ for the school students to showcase the highlights of the different experiments on December 17, 2021.
- Organized five-day online workshop on 'Basic Techniques involved in Industrial Microbiology for Product Development' in collaboration with IIIM-Technology Business Incubator, CSIR-IIIM, Jammu from December 16-21, 2021. The resource

persons were Dr. Saurabh Saran, Principal Scientist, CSIR-IIIM & Principal Investigator, IIIM-TBI, Jammu; Er. Ankush Varma, Coordinator, IIIM-Technology Business Incubator, Jammu. The organizing team included Dr. Saurabh Saran, Principal Scientist, CSIR-IIIM; Dr. Purnima Anand, Er. Ankush Varma, Coordinator IIIM-TBI; Dr. Pawas Goswami and Dr. Ratyakshi.

- Organized Student Awareness workshop for all students of the department in association with IQAC of the college on November 30, 2021. The convener was Dr. Madhulika Bajpai and event coordinator was Dr. Pawas Goswami.
- A social outreach initiative ‘Environmental Project and Awareness Program’ was initiated by Sukshmjeev society of the department. The first part involved Group presentations by students and discussion on Environmental Problems and their Management from November 20-27, 2021.
- Organized Pre-Orientation Day and Orientation day interaction with the first year students on November 19, 2021 and November 20, 2021 respectively.
- Organized virtual workshop on ‘Analysing Bacterial Growth Kinetics through MS-Excel’ on November 17, 2021. The resource persons were Dr. Ruchi Gulati Marwah and Dr. Ratyakshi of the Department of Microbiology of the college. The faculty coordinators were Dr. Catherine S Paul, Dr. Purnima Anand and Dr. Pawas Goswami.
- Sukshmjeev Society organized National Online workshop on ‘Astrobiology’ by speakers Ms. Jessica Dudley (Astrobiology Changemaker) and Mr. Shraman Kumar Bohra (Astrobiology Changemaker). The co-speakers were Mr. Anuj Soni (Astrobiology Spaceonova) and Dr. Krishnendu Ghosh (Research Investigator, Department of Astrobiology) from October 29-30, 2021. Dr. Purnima Anand was the convener, Dr. Pawas Goswami was the organizing member and Dr. Ratyakshi was the event coordinator.
- Organized Virtual Visit for third year students to lab and pilot scale fermentor in Amerging Technology Pvt Ltd. on October 29, 2021.
- Organized National Debate competition on the theme ‘Is Technology bringing people together’ in association with Vivekanand Vichar Manch on October 19, 2021. The convener of the competition was Ms. Shweta Gupta of VVM. The organizing team included Dr. Purnima Anand (Sukshmjeev Society Coordinator), Dr. Pawas Goswami (Teacher-in-charge and Departmental Star College Coordinator) and Dr. Ratyakshi was the event coordinator.
- Organized National webinar on ‘Small Molecules make a Big Impact: A Panoramic View of miRNAs in Esophageal Cancer’ under theme ‘Microbiology: From Principle to Applications’ by Dr. Rinu Sharma, Assistant Professor, University School of Biotechnology, Guru Gobind Singh Indraprastha University on October 1, 2021. The conveners of the webinar were Dr. Purnima Anand and Dr. Pawas Goswami. The event coordinator was Dr. Ratyakshi and the faculty coordinators were Dr. N. Vijaya Kumar, Dr. Gunjan Sirohi, Dr. Neeru Bhagat, Dr. Catherine S Paul.

- Organized National webinar on ‘Bio-Entrepreneurship and Introduction to BioNEST-UDSC’ by Vijay Kantharia, CEO, Bio-NEST, UDSC in collaboration with Bio-NEST, UDSC on September 30, 2021. The convener of the webinar was Dr. Purnima Anand, Dr. Pawas Goswami was an organizing team member and Dr. Neeru Bhagat was the event coordinator.
- Organized online Alumni interaction with batch 201-21 students on September 25, 2021. Dr. Purnima Anand and Dr. Pawas Goswami were the conveners. Dr. Gunjan Sirohi was the Departmental Alumni coordinator and the faculty coordinators were Dr. N. Vijaya Kumar, Dr. Ratyakshi, Dr. Neeru Bhagat and Dr Catherine S Paul.
- Organized International webinar on ‘Allies and Adversaries in the Microbial World’ by Dr. Deepti Jain, Associate Professor, Regional Centre for Biotechnology, Faridabad on September 18, 2021 on the occasion of International Microorganism Day. The convener of the webinar were Dr. Purnima Anand and Dr. Pawas Goswami. Dr. Neeru Bhagat was the webinar coordinator and faculty coordinators were Dr. N. Vijaya Kumar, Dr. Ratyakshi, Dr. Gunjan Sirohi and Dr. Catherine S Paul.
- Organized International webinar on ‘Journey from Biology to Machine Learning’ by Dr. Ashish Jain (Alumnus), Data Scientist, Salesforce, Cambridge, MA on September 6, 2021. The convener of the webinar were Dr. Purnima Anand and Dr. Pawas Goswami. Dr. Gunjan Sirohi was Departmental Alumni Coordinator and faculty coordinators were Dr. N. Vijaya Kumar, Dr. Ratyakshi, and Dr. Neeru Bhagat.
- Teacher’s Day was celebrated by the students of the department in an online mode on September 4, 2021.
- Organized National webinar ‘Drugs for Bad Bugs: Who will Win this War?’ by Dr. Sidharth Chopra, Principal Scientist, Division of Microbiology, Lucknow on the theme ‘Microbiology: From Principle to Applications’ on September 3, 2021. The conveners of the webinar were Dr. Purnima Anand and Dr. Pawas Goswami. The webinar/event coordinator was Dr. Neeru Bhagat. The faculty coordinators were Dr. N. Vijaya Kumar, Dr. Ratyakshi, and Dr. Gunjan Sirohi.
- Sukshmjeev Society organized a virtual workshop on ‘Analysing Spectrophotometric Data through MS Excel for Quantitative Estimation of Biomolecules’ in association with Department of Biochemistry of the college on July 5, 2021. The resource persons and coordinators were Dr. Anita Sondhi, Dr. Ruchi Gulati Marwah and Dr. Ratyakshi.
- Organized Intracollege workshop on ‘Curriculum Vitae CV Writing’ by Mr. Shubham Singh, CCAMP, Bengaluru (Distinguished Alumnus, Department of Microbiology, Batch 2013-2016) in association with Career Counselling Cell on April 17, 2021. The organizing team included Dr. Purnima Anand (Sukshmjeev Society Coordinator), Ms. Shweta Gupta (Convener, Career Counselling Cell), Dr. Ruchi G Marwah (Teacher in Charge), Faculty Coordinator: Dr. Gunjan Neeru Bhagat and the faculty coordinators were Dr. N. Vijaya Kumar, Dr. Ratyakshi, and Dr. Gunjan Sirohi.
- Swachhta Pledge was taken by the students, faculty and non-teaching staff on September 1, 2021.

- Organized farewell for passed out students on August 13, 2021.
- Organized various Intercollege competitions - Micromeme, Doodle, Crossword, Microexpedition, Just-a-Minute, and Microquizitive as part of MicroQuest 2021 in the month of March 2021. The conveners were Dr. Purnima Anand and Dr. Ruchi Gulati Marwah. Dr. Ratyakshi, Dr. Gunjan Sirohi and Dr. Neeru Bhagat were the faculty coordinators of two competitions each.
- Organized International webinar as part of Alumni Interaction Day by Ms. Manpreet Kaur, Bagga, Research Assistant at the New Castle University, UK and Ms. Shefali Thakur, Doctoral fellow at WHO's International Agency for Research in Cancer, Lyon, France by Sukshmjeev Society on March 26, 2021. The conveners of the webinar were Dr. Purnima Anand and Dr. Ruchi Gulati Marwah. The faculty coordinators were Dr. N. Vijaya Kumar, Dr. Ratyakshi, and Dr. Gunjan Sirohi.
- Organized National webinar 'Microbial Biofilms: Significance, Impact and Combatives' by Dr. Neetu Kumra Taneja, Assistant Professor, National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Sonapat on the theme 'Advances in Microbiology: An Interdisciplinary Approach' on March 23, 2021. The conveners of the webinar were Dr. Purnima Anand and Dr. Ruchi Gulati Marwah. The webinar coordinators were Dr. Pawas Goswami and Dr. Neeru Bhagat and the faculty coordinators were Dr. N. Vijaya Kumar, Dr. Ratyakshi, and Dr. Gunjan Sirohi.
- Organized National webinar 'DNA Replication: Old Questions and New Answers' by Prof. Deepak T. Nair, Regional Centre for Biotechnology, Faridabad on the theme 'Advances in Microbiology: An Interdisciplinary Approach' on March 19, 2021. The conveners of the webinar were Dr. Purnima Anand and Dr. Ruchi Gulati Marwah. The webinar coordinator was Dr. Neeru Bhagat and the faculty coordinators were Dr. N. Vijaya Kumar, Dr. Pawas Goswami, Dr. Ratyakshi, and Dr. Gunjan Sirohi.
- Organized an Intra-departmental workshop on 'Basics of Biosensors' in collaboration with the Department of Electronics of the college from March 17-18, 2021. Prof. Geeta Mongia, Dr. Inderbir Kaur, Dr. Purnima Anand, Dr. Pawas Goswami, Dr. Anita Sondhi were the coordinators of this workshop. The resource persons were Prof. Geeta Mongia, Dr. Inderbir Kaur, Dr. Jitender Kumar, Mr. Shani Kumar, Ms. Anita Malyan, Dr. Purnima Anand, Dr. Pawas Goswami, Dr. Anita Sondhi, Dr. Ratyakshi, Dr. Neeru Bhagat and Dr. Gunjan Sirohi.
- Organized National webinar 'Gene Editing: Present Scenario and Future Perspective' by Dr. Bhupendra Verma, an Assistant Professor in the Department of Biotechnology at AIIMS, New Delhi on the theme 'Advances in Microbiology: An Interdisciplinary Approach' on March 13, 2021. The conveners of the webinar were Dr. Purnima Anand and Dr. Ruchi Gulati Marwah. The webinar coordinators were Dr. N. Vijaya Kumar and Dr. Neeru Bhagat and the faculty coordinators were Dr. Pawas Goswami, Dr. Ratyakshi, and Dr. Gunjan Sirohi.
- Organized National webinar 'Automation in Clinical Microbiology' by Prof. Ashok Rattan, Senior Advisor at the Pathkind Labs, Gurugram on the theme 'Advances in

Microbiology: An Interdisciplinary Approach' on March 9, 2021. The conveners of the webinar were Dr. Purnima Anand and Dr. Ruchi Gulati Marwah. The webinar coordinator was Dr. Neeru Bhagat and the faculty coordinators were Dr. N. Vijaya Kumar, Dr. Pawas Goswami, Dr. Ratyakshi, and Dr. Gunjan Sirohi.

FACULTY ACHIEVEMENTS

Dr. Vijaya K Nalla

- Participated in the National Online Workshop on 'Astrobiology' organized by Sukshmjeev Society, Department of Microbiology of the college in collaboration with Spaceonova from October 29-30, 2021.
- Participated in the one day National webinar on 'Judicial Activism and Sustainable Environment' organized by Department of Environmental Sciences, Acharya Nagarjuna University & Centre for Environmental Education and Ecological Development (CEEED), Andhra Pradesh on September 16, 2021.
- Participated in the one day online Faculty Development Program on 'Digital Pedagogy and Climate Change Education Across Disciplines' organized by Sri Venkateswara College, University of Delhi in collaboration with TROP ICSU, a climate change education project by the International Union of Biological Sciences (IUBS) on August 28, 2021.
- Participated in the one day National webinar on 'Technological Advancements for Cleaner Waste Management: Road Ahead and Opportunities' held by the Alchemy Society, Department of Chemistry of the college on August 25, 2021.
- Participated in a one day workshop on 'Decoding BRAHMA' organized by Digitization & Automation committee of the college on August 24, 2021.
- Invited as a resource person in the Global webinar on 'Creating a Livable Planet Earth' held by Lead India Foundation on July 27, 2021.
- Participated in the National webinar on 'Injurious Invaders: Our Immune System and the Vaccines for Defense' organized by the NAAC committee of the college on July 23, 2021.
- Delivered a keynote address on the topic 'Bio-Medical Waste Impact on Human Health & Environment' in the one day National webinar on 'Bio-Medical Waste Impact during Pandemic Times' organized by CEEED at Acharya Nagarjuna University, Guntur in association with Prakruthi, the environmental club of Lakkireddy Balireddy Engineering College and World Environment Organization (WEO) organized on June 12, 2021.
- Invited to deliver a keynote speech in the National webinar on 'Importance of Ecosystem' jointly organized by World Environment Organization and Lead India, USA on June 5, 2021.

- Invited as resource person on 'Microbiology of Waste management' in a three day 'Training of Trainer's Workshop' organized jointly by IAESPH and School Education Department of Government of Andhra Pradesh, Vijayawada from March 24-25, 2021.

Dr. Purnima Anand

- Attended International webinar on 'Plastic Brand Audit' organized by Eco club of the college in collaboration with Lakshya on March 6, 2022.
- Attended webinar on 'Gender Sensitization' organised by Gender Sensitization committee in association with NAAC core committee of the college on February 27, 2022.
- Member organizing committee of five day National workshop on 'Rapid Detection of Food Adulterant Workshop' from February 21-25, 2022.
- Completed two-day online workshop on 'Vermicomposting' organized by Eco club of the college on February 12, 2022.
- Completed two-day workshop on 'Government e-Marketplace' organized by the Central Purchase committee of the college from January 27-28, 2022.
- Participated in a workshop on Student Satisfaction Survey organized by Internal Quality Assurance Cell (IQAC) of the college on November 12, 2021.
- Coordinated the workshop 'Event Coordination and Database Management' organized by NAAC committee of the college from November 22 to 25, 2021.
- Adhikary, A., Bansal, T., Gupta, P., Jain, D., **Anand, P.**, Gupta, R., Viridi, J. S., & Marwah, R. G. (2021). Draft Genome Sequence of a Poly- γ -Glutamic Acid-Producing Isolate, *Bacillus paralicheniformis* Strain bcasdu2018/01. Microbiology resource announcements, 10(46), e0101321. <https://doi.org/10.1128/MRA.01013-21>
- Participated in the 'Brain Awareness Day' organized at the college as a part of the International Brain Research Organization (IBRO)-DANA foundation funded Brain Awareness week on November 11, 2021.
- Received certificate of commitment for adopting community pledge from Central Vigilance Commission on November 1, 2021.
- Participated in UGC sponsored short term course on National Educational Policy organized by CPDHE (UGC-HRDC) from October 20-26, 2021.
- Participated in 'Drishtikone' India 's scientific Journey organized by Film Odyssey, Film club of the college and Darpan, Dramatics club of the college to celebrate 75 glorious years of India's Independence on October 3, 2021.
- Participated in the webinar on 'Indian Rivers: Ancient Culture and Modern Science' jointly organized by the 'Swacchata and e-Waste Management Committee' and 'Biological and Chemical Waste Management Committee' of the college on September 15, 2021.

- Participated in a workshop on 'Decoding BEAMS' organized by Digitization and Automation Committee of the college on September 1, 2021.
- Participated in a workshop on 'Decoding BRAHMA' organized by Digitization and Automation Committee of the college on August 25, 2021.
- Participated in the National webinar titled 'National Education Policy 2021: Opportunities and Challenges in Implementation' organized by the NEP committee and the Internal Quality Assurance Cell (IQAC), Janki Devi Memorial College, University of Delhi in collaboration with Shiksha Sanskriti Utthan Nyas (SSUN) on August 28, 2021.
- Participated in the National webinar on 'Injurious Invaders: Our Immune System and the Vaccines for Defense' organized by NAAC Committee of the college on July 23, 2021.
- Attended the online workshop on 'Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic' organized by NAAC committee of the college in association with Mahatma Gandhi National Council of Rural Education, Ministry of Education, Govt. of India on June 30, 2021.
- Participated in 'CovVIJAY: A Social Awareness campaign for Covid 19 vaccination' organized by Delhi Unit of Microbiologists Society India with Sookshma, the Microbiology Society of Swami Shraddhanand College, University of Delhi on June 10, 2021.
- Participated in National webinar on 'Environmental Issues and Ethics' held on World Environment Day Celebration organized by the college on June 5, 2021.
- Participated in Webinar on 'Ecological Entrepreneurship for Personal Excellence, Social Equity and Global Sustainability' organized by the college on the occasion of World Environment Day on June 5, 2021.
- Became life member of Microbiology Society of India from March 2021

Dr. Ruchi Gulati Marwah

- Invited for an online talk on 'Understanding Biofilms for Potential Biotechnological Applications' during an online workshop organized by IIIM-TBI Jammu for students of Chandigarh University and Mandsaur University on January 20, 2022.
- Adhikary, A., Bansal, T., Gupta, P., Jain, D., Anand, P., Gupta, R., Viridi, J. S., & **Marwah, R. G.** (2021). Draft Genome Sequence of a Poly- γ -Glutamic Acid-Producing Isolate, *Bacillus paralicheniformis* Strain bcasdu2018/01. Microbiology Resource Announcements, 10(46), e0101321. <https://doi.org/10.1128/MRA.01013-21>
- Invited for an online talk on 'Biofilms; Architectural Marvels of Scientific Significance' at Department of Microbiology, Gargi College, University of Delhi on November 25, 2021.

- Participated in the National webinar on 'Bio-entrepreneurship and Introduction to BioNEST-UDSC' organized by the Department of Microbiology of the college in association with BioNEST-UDSC on September 30, 2021.
- Participated in the International webinar on 'Allies and Adversaries in the Microbial World' organized by Sukshmjeev society, Department of Microbiology of the college on September 18, 2021.
- Participated in the National webinar on 'Drugs for bad bugs: Who will win this war?' organized by Sukshmjeev society, Department of Microbiology of the college on September 3, 2021.
- Participated in the National webinar on 'Injurious invaders: our immune system and the vaccines for defense' organized by the NAAC committee of the college on July 23, 2021.
- Participated in 'CovVIJAY: A Social Awareness campaign for Covid 19 vaccination' organized by Delhi Unit of Microbiologists Society India with Sookshma, the Microbiology Society of Swami Shraddhanand College, University of Delhi on June 10, 2021.
- Mongia, G., Kaur, I., **Marwah, R. G.** and Malyan, A. (2021). A Comprehensive Review of the Different Methods and Materials for the Construction of MFCs and their Effect on the Performance of MFC. International Research Journal of Engineering and Technology. 8(5):4402-4413.

Dr. Pawas Goswami

- Participated in the National workshop on 'Good Laboratory Practices in Biological and Chemical Sciences' organized by the Biological & Chemical Waste Management Committee, BCAS, Mehr Chand Mahajan DAV College for Women, Chandigarh and AFSTI, Delhi Chapter on March 10, 2022.
- Participated in a one-day workshop on 'Different Aspects of Research' organized by Research and Project Assessment Committee and Department of Botany of the college on February 16, 2022.
- Participated in the counselling session on 'Mental Health and Wellness' organized by Equal Opportunity Cell of the college and Vision Divyang Foundation on February, 5, 2022.
- Participated in the two-day workshop on 'Government e- Marketplace (GeM)' organized by the Central Purchase committee of the college on January 27-28, 2022.
- Participated in 'Awareness Generation and Sensitization Training Program on Rights to Persons with Disabilities Act, 2016' organized by National Institute of Labour Economics Research and Development (NILERD) on January 11-12, 2022.
- Participated in the 'Brain Awareness Day' organized at the college as a part of the International Brain Research Organization (IBRO)-DANA foundation funded Brain Awareness week on November 11, 2021.

- Participated in the Science Setu Talk ‘Understanding the Basics of Cancer Biology and a Recent Effort Towards the Detection of Colon Cancer’ organized by the college on November 9, 2021.
- Participated in a short term course on ‘Implementation of National Education Policy (NEP) 2020, organized by Centre for Professional Development (CDPHE), University of Delhi, from October 20-26, 2021.
- Participated in the workshop entitled ‘Decoding BEAMS’ organized by the Digitization and Automation committee of the college on September 1, 2021.
- Participated in the National webinar on ‘Injurious Invaders: Our Immune System and the Vaccines for Defense’ organized by the NAAC committee of the college on July 23, 2021.

Dr. Ratyakshi

- Participated in the one-week National workshop on ‘Materials Fabrication & Characterization Techniques’ organized by Department of Physics, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur from January 24-28, 2022.
- Attended the online workshop on ‘Know Your Rivers’ organized by Nadi Ko Jaano committee of the college held on January 8, 2022.
- Contributed as a resource person for workshop ‘Familiarization with MS Teams’ organized by Digitization & Automation Committee, BCAS held on November 22-28, 2021
- Attended webinar on ‘Student Satisfaction Survey’ organized by Internal Quality Assurance Cell of the college on November 12, 2021.
- Participated and coordinated in the National Webinar on ‘Empowered Women = Stronger Nation’ organized jointly by the Vivekanand Vichar Manch and Women Development Cell of the college on October 28, 2021.
- Attended online workshop on ‘Login Feature Of College Website’ organized by the Website and Internet committee of the college on October 26, 2021.
- Attended the online workshop entitled ‘Assessing Online DU Library Resources & Aspects of Similarity Index’ organized by the Library committee of the college on October 5, 2021.
- Attended ‘दृष्टिकोण’ India’s Scientific Journey organized by Film Odyssey, Film club of the college and Darpan, Dramatics club of the college to celebrate 75 glorious years of India's Independence on October 3, 2021.
- Attended International webinar on ‘Journey From Biology To Machine Learning’ organized by Sukshmjeev Society, Department of Microbiology of the college on September 6, 2021.
- Participated in workshop entitled ‘Decoding BEAMS’ organized by Digitization and Automation Committee of the college on September 1, 2021.

- Participated in workshop entitled 'Decoding BRAHMA' organized by Digitization and Automation Committee of the college on August 25, 2021.
- Attended online talk on 'Role of Lifestyle in Fitness Management' during Short Term Certificate course on 'Fitness Management' organized by Bhaskaracharya College of Applied Sciences in association with Department of Physical Education and Sports Sciences (University of Delhi) on August 7, 2021.
- Attended National webinar on 'Injurious Invaders: Our Immune System and the Vaccines for Defense' organized by the NAAC Committee of the college on July 23, 2021.
- Attended online workshop on 'Digital Interventions in Public Health' organized by Digitization and Automation Committee of the college on July 14, 2021.
- Participated and coordinated a Short term course on 'Environmental Friendly Teaching Learning Practices' organised by the college from June-July 2021.
- Participated in International webinar on the occasion of Alumni Interaction Day organized by Sukshmjeev Society, Department of Microbiology of the college on March 26, 2021.

Dr. Gunjan Sirohi

- Attended the workshop 'Sensory Gardens: Plants that engage with our Senses' organized by Garden Committee & Moksha, Music club of the college on February 5, 2022.
- Successfully completed the two-day workshop on 'Government e- Marketplace (GeM)' organized by the Central Purchase Committee of the college on January 27, 2022.
- Attended the workshop on 'Student Satisfaction Survey' organized by Internal Quality Assurance Cell of the college on November 12, 2021.
- Attended online seminar on 'नदी को जानो, Know your Rivers' organized by University of Delhi and Research for Resurgence Foundation (RFRF) on November 19, 2021.
- Attended the National webinar on 'Astrobiology' organized by Sukshmjeev Society, Department of Microbiology of the college in collaboration with Spaceonova on October 29, 2021.
- Attended workshop on 'Login Feature of College Website' organized by Website and Internet committee of the college on October 25, 2021.
- Attended the online workshop entitled 'Assessing Online DU Library Resources & Aspects of Similarity Index' organized by the Library committee of the college on October 5, 2021.
- Coordinated the online Short Term Certificate Course on 'Youth & Climate Change' organized by the college in association with Lakshya- A Society for Social And Environmental Development from October 3-17, 2021.

- Participated in the National webinar on ‘Bio-Entrepreneurship and Introduction to BioNEST-UDSC’ organized by Department of Microbiology of the college in collaboration with BioNEST-UDSC, University of Delhi South Campus on September 30, 2021.
- Attended Online workshop on ‘Digital Interventions in Public Health’ organized by Automation & Digitization Committee of the college on July 23, 2021.
- Attended National webinar on ‘Injurious Invaders: Our Immune System and the Vaccines for Defence’ organized by the NAAC Committee of the college on July 23, 2021.
- Coordinated and resource person in the online Short Term Certificate Course on ‘Environmental Friendly Teaching Learning Practices’ organized by the college from June-July 2021.
- Participated and presented the paper/poster in International Symposium on ‘Advances in Plant Biotechnology and Genome Editing’ & 42nd Meeting of Plant Tissue Culture Association (India) organized by ICAR-Indian Institute of Agricultural Biotechnology, Ranchi, India from April 8-10, 2021.
- Attended International conference on ‘The Impact of COVID-19 on International Higher Education’ organized by Directorate, International Affairs, Guru Gobind Singh Indraprastha University & UNESCO, New Delhi Cluster Office & UNESCO-International Institute for Capacity Building in Africa (IICBA) on March 11, 2021.

Dr. Neeru Bhagat

- Attended ‘Accelerate your Research using Elsevier’s Scopus’ organized by Elsevier on February 11, 2022.
- Participated in webinar on ‘PCOS Awareness’ organized by Women Development Cell and Menstrual Cafe (An Initiative by Sachhi Saheli) of the college held on February 5, 2022.
- Participated in the workshop titled ‘Sensory Gardens: Plants that Engage with Our Senses’ organized by Garden committee and Moksha, Music club of the college on February 5, 2022.
- Participated in a two-day workshop on ‘Government e-Marketplace’ organized by the Central Purchase committee of the college from January 27-28, 2022.
- Participated in a National webinar on ‘National Pension Scheme’ organized by Capability Enhancement and Literary club of the college on January 21, 2022.
- Participated in ‘IP Awareness/Training program’ under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India on January 17, 2022.
- Participated in webinar on ‘Microbial Biotechnology for Novel Food and Food Ingredients’ organized by Agriculture and Food Systems Institute, USA on January 11, 2022.

- Attended the online workshop 'Knowing Your Rivers' organized by Nadi ko Jano Committee on January 8, 2022.
- Participated in webinar on 'Geo-tagging' organized by Photography Club of the college on December 30, 2021.
- Participated in a five-day online workshop on 'Basic Techniques involved in Industrial Microbiology for Product Development' organized by IIIM-Technology Business Incubator, CSIR-IIIM, Jammu in collaboration with the college from December 16-21, 2021.
- Participated in a two-day workshop on 'Event Coordination and Database Management' organized by NAAC committee of the college on November 22, 2021 and November 25, 2021.
- Participated in a workshop on Student Satisfaction Survey organized by Internal Quality Assurance Cell (IQAC) of the college on November 12, 2021.
- Participated in the National Online workshop on Astrobiology organized by Department of Microbiology of the college in collaboration with Sapceonova on October 29-30, 2021.
- Participated in the International workshop on 'Science Communication and Art of Writing about Science' organized by Career Counselling Cell and DNAmics Society of Department of Biomedical Science of the college on October 9, 2021
- Coordinated and participated in the 'Best Out of Waste' competition organized by Swacchata and e-Waste Management Committee of the college as part of Swachhta Pakhwada from September 1-15, 2021.
- Coordinated and participated in webinar on 'Indian Rivers: Ancient Culture and Modern Science' jointly organized by the Swacchata and e-Waste Management Committee and Biological and Chemical Waste Management Committee' of the college on September 15, 2021.
- Participated in a workshop on 'Decoding BEAMS' organized by Digitization and Automation Committee of the college on September 1, 2021.
- Participated in a workshop on 'Decoding BRAHMA' organized by Digitization and Automation Committee of the college on August 25, 2021.
- Participated in the National webinar on 'Injurious Invaders: Our Immune System and the Vaccines for Defense' organized by NAAC Committee of the college on July 23, 2021.
- Participated in the National webinar on 'My Life with Rocket Science' organized by ECA Committee of the college on July 8, 2021.
- Participated in the workshop on 'CV writing' organized by Sukshmjeev Society, Department of Microbiology in collaboration with Career Counseling Cell of the college on April 17, 2021.

- Participated in the International webinar on the occasion of Alumni Interaction Day as part of Microquest 2021 organized by Sukshmjeev Society, Department of Microbiology in association with Alumni committee of the college on March 26, 2021.

Dr. Catherine S Paul

- Participated in the webinar ‘Accelerate your Research Using Elsevier’s Scopus’ organized by Delhi University in collaboration with Elsevier on February 11, 2022
- Participated in the workshop ‘Sensory Gardens: Plants that engage with our senses’ organized by Garden Committee & Moksha of the college on February 5, 2022.
- Participated in the webinar ‘Mental Health and Wellness’ organized by equal opportunity cell in collaboration with Vision Divyang Foundation on February 5, 2022.
- Participated in Online workshop on ‘Know your Rivers’ organized by Nadi Ko Jaano Committee on February 5, 2022.
- Participated in the national webinar ‘Seeing in dark through image processing’ organized by Department of Instrumentation on January 22, 2022
- Attended the online workshop 'Knowing Your Rivers' organized by Nadi ko Jano Committee on January 8, 2022
- Participated in the webinar ‘Geo-tagging’ organized by photography club of the college on December 30, 2021
- Participated in short term course on ‘Innovative teaching methodologies and use of ITC in teaching’ organized by Centre for Professional Development in Higher Education, University of Delhi, from Dec 15, 2021- Dec 21, 2021
- Participated in the national webinar ‘Energy: Conservation, Loss in Value and Way Forward’ on the occasion of National Energy Conservation Day organized by Eco club on December 14, 21
- Participated in a Capacity Building Workshop 'Event Coordination and Database Management' organized by NAAC Committee on November 22-25, 2021
- Participated in Online Seminar ‘नदी को जानो, Know your Rivers’ organized by University of Delhi and Research for Resurgence Foundation (RFRF) on November 19, 2021.
- Coordinated a virtual workshop on ‘Analysing Bacterial Growth Kinetics through MS-Excel’ organized by Sukshmjeev Society, Department of Microbiology of the college November 17, 2021.
- Participated in online workshop on ‘Student Satisfaction Survey for NAAC’ organized by Internal Quality Assurance Cell on November 12, 2021
- Participated in the National online workshop on ‘Astrobiology’ organized by Department of Microbiology in collaboration with Spaceonova on Oct 29-30, 2021
- Participated in online workshop on ‘Login Feature Of College Website’ organized by

Website and Internet Committee of the college on October 26, 2021

- Participated in the webinar on ‘Probiotics: An alternative medicine or an evidence based alternative?’ conducted by Department of Microbiology, Institute of Home Economics in association with Microbiologists Society India on October 7, 2021
- Participated in ‘दृष्टिकोण’ India’s Scientific Journey organized to celebrate 75 glorious years of India's Independence October by Film Odyssey and Darpan on October 3, 2021
- Participated in the National webinar on ‘Small Molecules make a Big impact: A Panoramic view of miRNAs in Esophageal Cancer’ organized by Sukshmjeev Society, Department of Microbiology of the college on October 1, 2021
- Participated in the National webinar on 'Bio-entrepreneurship and Introduction to BioNEST-UDSC' organized by the Department of Microbiology of the college in association with BioNEST-UDSC on September 30, 2021.
- Participated in the International Webinar on 'Allies and Adversaries in the Microbial World' organized by Sukshmjeev Society, Department of Microbiology, of the college on September 18, 2021.
- Attended the National webinar on ‘Ozone and Climate Change’ on the occasion of World Ozone day organized by Eco club of the college on September 16, 2021.
- Attended the National webinar on ‘Journey From Biology To Machine Learning’ organized by Sukshmjeev society, Department of Microbiology of the college on September 6, 2021.
- Attended the National webinar on ‘Drugs for bad bugs: Who Will Win this War?’ organized by Sukshmjeev society, Department of Microbiology of the college on September 3, 2021.

Students Achievements

- Puja Kumari of first year participated and secured first prize in poster making competition organized by Deen Dayal Upadhyaya, University of Delhi.
- Samujjal Acharya of first year participated and secured first position in intracollege photography competition, Campus-o-Graphy organized by Photography club 'Clickerati' of the college on February 28, 2022.
- Kuntak Saha of first year participated and secured certificate of Outstanding Participation in Talk Show organised by Department of Biomedical Science of the college in ‘Talk Show - Let’s Talk Ethics on February 26, 2022.
- Kuntak Saha of first year participated and secured first Prize in Logo Designing Competition organized by Modern and Fine Art Club on the theme of the Silver Jubilee of the college and 75th Year of India’s Independence on February 17, 2022.
- Kuntak Saha of first year participated and secured third Prize in Scientific Poster making competition on ‘Microbes as Superfood’ organized under Microblaze’22,

Annual Fest by Department of Microbiology, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on February 1, 2022.

- Puja Kumari of first year participated and secured second prize in micro doodle competition on 'Microbes as Superfood' by Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on February 1, 2022.
- Kuntak Saha of first year participated and secured second prize in online Debate Competition organized by the Gender Sensitization committee of the college on the topic 'Relevance of Gender Pay Gap' on January 22, 2022.
- Anjali Sagar of third year participated and secured second position in the Intracollege Solo Dance NrityaUtsav competition organized by RAGE, Dance club of the college in the month of January 2022.
- Anjali Sagar of third year participated and secured first position in online doodle art competition 'Structure of DNA - A Twisted Tale' organized by Microbiologists Society, India Delhi Unit in collaboration with Sookshma, the Microbiology Society of Swami Shraddhanand College, University of Delhi held on December 15, 2021.
- Kuntak Saha of first year participated and secured third prize in 'League of Doodles', Doodle making competition held by Gargi College, University of Delhi on December 4, 2021.
- Navdha of second year participated and secured third position in Intracollege solo dance competition 'Taal -The Poem of Foot' organized by Dance club of the college in the month of November 2021.
- Trishna Rai of third year secured second position in Intracollege Solo Dance competition titled 'Taal: The Poem of Foot' organized by RAGE, Dance club of college in the month of November 2021.
- Deepanshi Karwall of third year secured second position in Intracollege Solo Dance competition titled 'Taal: The Poem of Foot' organized by RAGE, Dance club of college in the month of November 2021.
- Kareena Bhatt of second year secured second position in National slogan writing competition organized by Vivekanand vichar manch of the college on October 27, 2021.
- Abhimann Thakran of second year participated and secured first position in National debate competition organised by Vivekananda Vichar Manch in collaboration with Sukshmjeev Society, Department of Microbiology of the college on October 19, 2021.
- Aishwarya R Nair of third year secured third position in online Ehsaas Monoacting Intercollege Competition organized by Darpan, Drama Club of the college on October 11, 2021.
- Dhruv Sakarwal of third year secured third position in Creative Collage Making competition organized by Ethereal, Department of Microbiology, Shaheed Rajguru College on Applied Sciences for Women on October 10, 2021.

- Aishwarya R Nair of third year secured first prize for participation in the Pic-O-Tale competition held during National Nutritional month celebrations by the college in collaboration with Hexagon Nutrition and Net Pro Fan (Delhi Chapter) on September 25, 2021
- Aishwarya R Nair of third year secured third position in poster making competition organized by Eco club of the college on September 16, 2021.
- Aishwarya R Nair of third year secured third position in the Microbiology Art competition organized by TSWRDCW, Mahendrahills, Hyderabad, Telangana in association with Microbiology Society of India held during September 14-16, 2021.
- Aishwarya R Nair of third year secured first position in the International Meme making competition organized by Sukshmjeev Society, Department of Microbiology of the college on the occasion of International Microorganism Day in the month of September 2021.
- Aishwarya R Nair of third year secured first position in the International Creative writing competition organized by the Sukshmjeev Society, Department of Microbiology of the college on the occasion of International Microorganism Day in the month of September 2021.
- Aishwarya R Nair of third year secured first position in the International Poster making competition on theme 'Beneficial Microbes' organized by Sukshmjeev Society, Department of Microbiology of the college on the occasion of International Microorganism Day in the month of September 2021.
- Aishwarya R Nair of third year secured first position in the 'Best Out of Waste' competition organized by Swachhta and E-Waste Management committee of the college in September 2021.
- Sonail Karmakar of second year secured third position in the 'Best Out of Waste' competition organized by Swachhta and E-Waste Management committee of the college in September 2021.
- Simran of second year participated and secured first position in poster making competition on the theme of 'Water Conservation: Every Drop Counts' organized by Swachhta and E-Waste Management Committee of the college in September, 2021.
- Aishwarya R Nair of third year participated and secured second position in the poster making competition on the theme 'Water Conservation' organized by Swachhta and E waste Management Committee of the college in September 2021.
- Priya Sharma of second year participated and secured third position in poster making competition on the theme 'Water Conservation' organised by Swachhta and E- waste management committee in September 2021.
- Aishwarya R Nair of third year secured second position in Slogan Writing Competition on the theme 'Reuse or Refuse: Green Earth for a Clean Earth' organized by Swachhta

and E waste Management committee of the college during Swachta Pakhwada in September 2021.

- Simran of second year participated and secured third position in Slogan Writing competition on the theme of 'Reuse or Refuse: Green Earth For A Clean Earth' organized by Swachhta and E-Waste Management Committee of the college in September, 2021.
- Muskan Madaan of third year secured third position in the International Meme making competition organized by Sukshmjeev Society, Department of Microbiology of the college on the occasion of International Microorganism Day in the month of September 2021.
- Jyotsana Bidaliya of second year secured second position in the International Bookmark making competition organized by Sukshmjeev Society, Department of Microbiology of the college on the occasion of International Microorganism Day in the month of September 2021.
- Rimmi of third year secured third position in the International Bookmark making competition organized by Sukshmjeev Society, Department of Microbiology of the college on the occasion of International Microorganism Day in the month of September 2021.
- Kushal of first year secured second position in 'Disuse to Dish' recipe contest hold on account of poshan maah month held by Department of Food Technology of the college from September 4-15, 2021
- Isha Saha of second year participated and secured second position in Water Colour competition organized by Rangat, The Fine Arts society of Rajdhani College, University of Delhi on September 25, 2021.
- Aishwarya R Nair of third year secured first position in 'The Second Life: The Recreation Competition in the e-Waste Awareness Program organized by Department of Instrumentation in association with Department of Electronics of the college on August 29, 2021.
- Aishwarya R Nair of third year secured second position in 'Mini Thoughts': The Slogan Writing competition in the e-Waste Awareness Program organized by Department of Instrumentation in association with Department of Electronics of the college on August 29, 2021.
- Aditya Kumar of second year participated and secured first position in Push Up competition organized by Sri Ram College of Commerce, University of Delhi on August 16, 2021.
- Abhimann Thakran participated and secured first position in Azadi ke Antare singing competition organised by the Moksha, Music club of the college on July 31, 2021.
- Chetana Meena of third year secured third position at 'Azadi ke Antare' a live singing online competition organised by Moksha, Music club of the college on July 31, 2021.

- Isha Saha of second year participated and secured first position in the event 'Hand Painting' held on the occasion of Van Mahotsav, organized by The Botanical Society, Department of Botany, Kirori Mal college, University of Delhi on July 7, 2021.
- Kareena Bhatt of first year participated and secured first position in the event 'Vessel for the Cattle' held on the occasion of Van Mahotsava organized by Botanical Society, Kirori Mal college, University of Delhi from July 1-7, 2021.
- Prapti Sawhney of first year adjudged as the RUNNER UP of Harmony Hues (popular category) under Alla Prima organized by KRITI, The Fine Arts Society of Shaheed Sukhdev College of Business Studies, University of Delhi on May 10, 2021.
- Sridip Mukherjee of first year participated and secured second position in Inter-College Debate Competition organized in Geofest by Department of Geography, Dr. Bhim Rao Ambedkar College, University of Delhi held on April 19, 2021.
- Prapti Sawhney of first year participated and secured second position in popular choice category in Harmony Hues- the music album recreation competition conducted by Kriti- the Fine Arts society of Shaheed Sukhdev College of Business Studies under 'Alla Prima '21' the annual art fest of SSCBS held during the month of April 2021.
- Sridip Mukherjee of first year participated and secured first position in 'Tark-Vitark 21' organized by the Department of Business Economics of Maharaja Agrasen College, University of Delhi held on April 15-16, 2021.
- Sridip Mukherjee of first year participated and secured first position as Best Interjector in the Inter-College Debate Competition organized by the Debating Society of Shyam Lal College (Evening), University of Delhi on April 6, 2021.
- Sridip Mukherjee of first year participated and secured first position in E-Debate organized as a part of 'Biochaperones' Annual Department Festival by the Department of Biochemistry, Shivaji College, University of Delhi on April 6, 2021.
- Ishani Sharma of third year participated and secured third position in E-Poster organized as a part of 'Biochaperones', Annual Department Festival by the Department of Biochemistry, Shivaji College on April 6, 2021.
- Ishani Sharma of third year participated and secured first position in brain break (quiz competition) at Microvitae 2021 organized by Mikrobiologika, Department of Microbiology, Ram Lal Anand College, University of Delhi on April 3, 2021
- Arnab Basak of second year participated and secured second position in brain break (quiz competition) at Microvitae 2021 organized by Mikrobiologika, Department of Microbiology, Ram Lal Anand College, University of Delhi on April 3, 2021
- Sridip Mukherjee of first year participated and secured second position in Q-Fiesta the Quiz Competition organized as a part of "Floristics '21" by 'Botanique', the Botany Department of Hansraj College, University of Delhi on April 3, 2021.
- Sridip Mukherjee of first year participated and secured second position in 'Ace the Case' competition organized as a part of Annual Departmental Fest "Floristics '21" by

‘Botanique’, the Botany Department of Hansraj College, University of Delhi on April 3, 2021.

- Anjali Sagar of second year participated and secured third position in 'Talent Hunt' organised by Ambrosia Society of Department of Food Technology as part of annual fest 'Ambrosia 2k21' of the college on March 31, 2021.
- Sridip Mukherjee of first year participated and secured second position in Extempore Competition organized as a part of ‘Genesis 2021’ by DNAmics society of Department of Biomedical Science of the college on March 31, 2021.
- Sonail Karmakar of first year participated and secured first position in the Doodle Art Competition on ‘Genomics’ organized by the DNAmics society of Department of Biomedical Science of the college on March, 2021.
- Sridip Mukherjee of first year participated and secured first position ‘Erudite Glossary’ organized as a part of Impresionante-NIFE by E’lectronique’, the Electronic Science Society of Sri Aurobindo College, University of Delhi held on March 24-25, 2021.
- Abhimann Thakran of first year participated and secured second position in Picture story composition competition (Picturesque) organized by Atelier, the Literary club of the college during the month of March 2021
- Ishani Sharma of third year participated and secured first position in the Microquizitive competition organized by Sukshmjeev Society, Department of Microbiology of the college on March 2021
- Ishani Sharma of third year participated and secured second position in the Just-A Minute competition organized by Sukshmjeev Society, Department of Microbiology of the college as part of Annual Departmental Festival Microquest 2021 on March 2021.
- Ishani Sharma of third year participated and secured third position in the Crossword competition organized by Sukshmjeev Society, Department of Microbiology of the college as part of Annual Departmental Festival Microquest 2021 on March 2021.
- Aishwarya R Nair of second year participated and secured first position in the Micromeme competition organized by Sukshmjeev Society, Department of Microbiology of the college as part of Annual Departmental Festival Microquest 2021 on March 2021.
- Muskaan Madaan of second year participated and secured third position in the Micromeme competition organized by Sukshmjeev Society, Department of Microbiology of the college as part of Annual Departmental Festival Microquest 2021 on March 2021.
- Sridip Mukherjee of first year participated and secured second position in Debate Competition organized by ALBATROSS, the Zoological Society of Gargi College, University of Delhi on March 5, 2021.

DEPARTMENT OF PHYSICAL EDUCATION

Departmental Activities

- Organised a 40-hours online Short-Term Certificate Course on “Fitness Management” in association with the Department of Physical Education and Sports Sciences (University of Delhi) from July 18 - September 12, 2021. Prof. Uma Kumar, Prof. & Head of the Department, Rheumatology, AIIMS, New Delhi was Chief guest on the inaugural session.
- Organised an inter-department chess tournament on February 12-17, 2022. Prof. Anand Bharadvaja and Dr. Pawan Dawas were the conveners.

DEPARTMENT OF PHYSICS

Departmental Activities

- Organized a webinar in collaboration with the Astronomy club ‘Does the Cosmological principle hold in the Universe’, by Prof Pravabati Chingangbam, Indian Institute of Astrophysics on March 10, 2022. Dr Meetu Luthra was the convener and Dr Anand Bharadvaja was the DBT coordinator.
- Organized a webinar in collaboration with the Astronomy club ‘Tornadoes and Typhoons in the universe’, by Prof Patrick Das Gupta, Department of Physics and Astrophysics, University of Delhi, on February 15, 2022. Dr Meetu Luthra was the convener and Dr Anand Bharadvaja was the DBT coordinator.
- Organized an international workshop on ‘Nanomaterial virtual lab training’ on January 27, 2022, by Prof. Poonam Silotia and Prof. Mohammad Khalid. Dr Vandana Batra was the convener.
- Organized a webinar ‘Standard Candle: The Beacon of the Universe by Dr Sukanta Deb’ Department of Physics, Cotton University, Guwahati, Assam on October 30, 2021.

FACULTY ACHIEVEMENTS

Prof. Anand Bharadvaja

- Arora, A.K, Gupta, K.K, Goswami, K., **Bharadvaja, A.**, Baluja, K.L (2022) Binary encounter bethe approach to compute electron impact partial ionization cross sections of plasma relevant molecules such as hexamethyldisiloxane and silane, *Plasma Sources, Science and Technology*, **31**, .015008.
- Bassi, M., **Bharadvaja, A.** And Baluja, K.L (2022) ,Elastic and Inelastic Cross Sections for Low-Energy Electron Collisions with CIF Molecule Using the R-Matrix Method, *Atoms*, **10**, 8.
- Arora, A.K, Sahgal, V., **Bharadvaja, A.**, Baluja, K.L (2021), Positron-impact scattering off 1-1 C₂H₂F₂ from 0.1eV to 4 keV, *Physical Review*, A104, 022816.

- **Bharadvaja, A.**, Bassi, M., Arora, A.K., Baluja, K.L. (2021), Electron interactions with Tetramethylsilane from ionization threshold upto 5000 eV, *Plasma Sources, Science and Technology*, **3**, No.9
- Goswami, K., Arora, A.K., **Bharadvaja, A.** and Baluja, K.L. (2021), Electron impact partial ionization cross sections of methyl alcohol up to 5 keV using the mass spectrometry data, *European Physics Journal D*, **75**, 228.
- Arora, A.K., Sehgal, V., Gupta, K.K., **Bharadvaja, A.** and Baluja, K.L (2021) Positron induced scattering from Pentane isomers beyond ionization threshold, *European Physics Journal D*, **75**, 259.
- **Bharadvaja, A.**, Kaur S. and Baluja K.L. (2021) A study of electron scattering from O₃ and its isovalent molecules from 0.1 to 5 keV, *Pramana* , 95, 167.
- Sahgal, V., **Bharadvaja, A.** , Baluja, K.L (2021) , Positron-impact scattering of acetone from 0.1 eV to 5 keV, *Journal of Physics. B: Atomic Molecular and Optical Physics*. **54** 075202
- Attended a workshop on Computational Chemistry a New Approach, organized by Chemistry Department, Acharya Narendra Dev College, University of Delhi from October 6-7, 2021.

Dr Vandana Batra

- Attended five days workshop on ‘RAPID DETECTION OF FOOD ADULTERANTS’ on February 21-25, 2022 organized by the college funded by ICSSR, Government of India
- Attended a one-day Workshop on ‘Different aspects of Research’ on February 16, 2022 organized by the Central Purchase committee of the college.
- Attended Webinar on ‘Tornadoes and Typhoons in the Space-Time Geometry’ on February 15, 2022 organized by the Department of Physics and Astronomy Club of the college.
- Attended three days Webinar on “NEP 2020: Delhi University Undergraduate Curriculum Framework 2022” on January 27-29, 2022 organized by Institute of Lifelong learning and Mahatma Hansraj faculty Development Center, University of Delhi.
- Attended two days’ workshop on ‘Government e-Marketplace (GeM)’ on January 27-28, 2022 organized by the Central Purchase committee of the college.
- Attended the webinar ‘A 40-year Journey Professor Reinhard Genzel, Nobel Laureate Physics 2020’ on January 12, 2022 organized by Deen Dayal Upadhyaya College with NASI-Delhi Chapter, University of Delhi.
- Attended the webinar ‘Role of National Education Policy in Empowering qualities in Youth of 21st Century’ on January 12, 2022 organized by Vivekanand Vichar Manch, of the college.

- Attended webinar ‘IP Awareness/Training Program’ on January 11, 2022 organized by Intellectual Property Office, India under National Intellectual Property Awareness Mission.
- Participated as Coordinator in the webinar ‘Healthcare sector- engine of Economic Growth’ on January 6, 2021 organized by Vidya Vistar Committee of the college.
- Attended workshop on ‘Student Satisfaction Survey’ organized by IQAC of the college on November 12, 2021
- Attended workshop on ‘Login features of college website’ organized by Website and internet committee, BCAS on October 26, 2021
- Maharana, P.R, **Batra, V.**, ‘Study of Synchrotron Emission of Crab Nebula using Spectral Index Measurement’(2021) *International Journal in Innovative Technology*, September, **8** Issue 4 | ISSN: 2349-6002.
- Attended workshop on ‘Decoding Beams’ organized by Digitization and Automation Committee of the college on September 1, 2021
- Attended National webinar on National Education Policy 2021 ‘Opportunities and Challenges in Implementation’ organized by Janki Devi Memorial College, University of Delhi on August 28, 2021
- Attended Special Public Webinar on ‘Afghanistan Challenges Ahead’ organized by Deen Dayal Upadhyaya college, University of Delhi on August 23, 2021
- Attended workshop on ‘Decoding Brahma’ organized by Digitization and Automation Committee of the college on August, 23 2021
- Attended webinar on ‘My life with Rocket’ organized by Extra-curricular activity committee of the college on July 8, 2021.
- Attended 3rd International Conference on RAFAS 2021 organized by Lovely University, Punjab on June, 25-26 2021
- Attended National webinar on ‘Ecological Entrepreneurship for Personal Excellence, Social Equity and Global Sustainability’, organized by the college on June 5, 2021.

Dr Meetu Luthra

- Attended two days’ workshop on ‘Government e-Marketplace (GeM)’ on January 27-28, 2022 organized by the Central Purchase committee of the college.
- Attended workshop on ‘Student Satisfaction Survey’ organized by IQAC of the college on November 12, 2021
- Attended short term course on ‘National Education Policy 2020’ organised by Centre for Professional Development and Higher Education (CPDHE) from October 20-26, 2021
- Attended a webinar ‘Seeing in Dark through image processing’ organized by department of Instrumentation of the college on Oct 22, 2022

- Attended 9th Prof Ved Ratna Memorial Lecture organized by Indian council of Physics teachers on 'Gravitational Waves' on October 16, 2021
- Presented a paper titled 'An Analysis of effective assessment and evaluation techniques at undergraduate level' in the 9th Annual Convention organized by Indian Council of Physics teachers, Regional Council Delhi & Haryana on October 9-10, 2021
- Attended Workshop on 'Decoding Beams' organized by Digitization and Automation Committee, of the college on September 01, 2021
- Attended Workshop on 'Decoding Brahma' organized by Digitization and Automation Committee of the college on August 23, 2021
- Attended Webinar on 'God Particle or missing Link' organized by ADAMAS University, Kolkata on August 6, 2021
- Attended Webinar on 'Injurious Invaders: Our Immune system and vaccine for defense' organized by NAAC committee of the college on July 23, 2021
- Attended workshop on 'Psycho-social skills of a good helper -Tackling the covid Pandemic' organized by NAAC committee of the college in association with Mahatma Gandhi Rural council of National education, Ministry of Education, Government of India on June 30, 2021.

Dr Partha S Pal

- Attended two-weeks online interdisciplinary Refresher Course on 'Blended Learning & Flipped Classroom' organized by Teaching Learning Centre, Ramanujan College, University of Delhi from March 8-22, 2021.

Dr. Ramesh Kumar

- Attended workshop on 'Decoding Brahma' organised by Digitization and Automation Committee, BCAS on August 23, 2021.
- Attended workshop on 'Digital Interventions in Public Health' organized by Digitization and Automation Committee of the college on July 14, 2021.

Dr Sandeep Kumar

- Attended two-weeks online interdisciplinary Refresher course on 'Blended Learning & Flipped Classroom' organized by Teaching Learning Centre, Ramanujan College, University of Delhi from March 8-22, 2021.
- Attended an online Refresher course on 'NATURAL SCIENCES' organized by Teaching Learning Centre, Ramanujan College, University of Delhi from September 20-October 4, 2021.

Students' Achievements

- Kshitij Khugshal of second year participated in the chess competition and won the first prize in the intercollege Fest held on March 24,25, 2021 organized by the Department of Electronics, Sri Aurobindo College, University of Delhi.

- Piyush R. Maharana presented his paper ‘Structure and Kinematics of the Milky Way Galaxy using atomic Hydrogen’ in the international conference on ‘Recent advances in Fundamental and Applied Sciences’, Lovely faculty of Technology and Sciences, Lovely Professional University, Punjab held on June 25-26, 2021.
- Ankit and Akshay of second year won the second prize in tug of war held on March 10, 2022 in the annual fest ‘Ambrosia’ organised by the Department of Food Technology of the college.

DEPARTMENT OF POLYMER SCIENCE

Departmental Activities

- Organized a ‘Freshers Interaction program’ for newly admitted students (2021-22) on January 14, 2022. Prof. Avneesh Mittal and Faculty of Department of Polymer Science, Dr. Susmita Dey Sadhu, Prof. Sidhharth Sirohi & Dr. S.K. Shukla addressed the students on the occasion.
- Organized a workshop on ‘Student Awareness e-Workshop’ for all the students in association with IQAC of the college on December 3, 2021.
- Organized an ‘Orientation Program’ for the newly admitted B.Sc. (Hons.) first year students on November 20, 2021.
- Organized a webinar on ‘Innovative Multi-layered Biodegradable Polymer Particles for Food Packaging’ on September 3, 2021. Dr. Sampa Saha (Associate Professor, Dept. of Materials Science & Engineering, IIT Delhi) delivered a talk. Dr. Susmita Dey Sadhu and Dr. Premlata Meena and Dr. Anil Barak coordinated the event.
- Faculty, Staff and students took the Swachhta Pledge on September 1, 2021.
- Organized a one-day online awareness cum workshop on ‘Antimicrobial Activity of Biopolymeric Films’ in collaboration with the Department of Biomedical Science & Department of Instrumentation of the college on August 21, 2021.
- Organized a webinar on ‘Polyelectrolyte Membranes for Fuel Cells’ on August 3, 2021. Prof. Tharanikkarasu Kannan (Department of Chemistry, Pondicherry University) delivered a talk. Dr. Anil Barak coordinated the event.
- Organized a webinar on July 12, 2021. Dr. Tanweer Alam, Director, IIP, MOCI, GOI delivered a talk on ‘Career in Packaging’. Mr. Madhab Chakraborty, Joint Director & Regional Head, IIP Delhi delivered a talk on ‘Scope of Plastics in Food Packaging’.
- Organized webinar & virtual workshop on ‘Small-Angle X-ray Scattering Analysis’ on March 15, 2021. Dr. Siddharth Sirohi was coordinator and Dr. Anil Barak was co-coordinator.

FACULTY ACHIEVEMENTS

Dr. S. K. Shukla

- Kushwaha, C. S., Singh, P., Abbas, N. S., & **Shukla, S. K.** (2021). Structurally Functionalized Cupric Oxide Encapsulated Chitosan Grafted Polyaniline Composite for Potentiometric Sensing of Methyl Parathion. *Macromolecular Chemistry and Physics*, 222(16), 2100144.
- Sharma, D., Varshney, M. K., Prasad, S., & **Shukla, S. K.** (2021). Preparation and characterization of rice husk derived cellulose and polyvinyl alcohol blended heat sealable packaging film.
- Kushwaha, C. S., Singh, V. K., & **Shukla, S. K.** (2021). Electrochemically triggered sensing and recovery of mercury over sodium alginate grafted polyaniline. *New Journal of Chemistry*, 45(24), 10626-10635.
- Singh, P., Kushwaha, C. S., Singh, V. K., Dubey, G. C., & **Shukla, S. K.** (2021). Chemiresistive sensing of volatile ammonia over zinc oxide encapsulated polypyrrole based nanocomposite. *Sensors and Actuators B: Chemical*, 342, 130042.
- Kushwaha, C. S., **Shukla, S. K.**, Govender, P. P., Abbas, N. S., & Shukla, S. K. (2021). Sustainable water purification and energy generation over crystalline chitosan grafted polyaniline composite. *Journal of Polymers and the Environment*, 29(11), 3744-3755.
- Attended a national seminar on 'Applied Research' and presented a paper on 'Potentiometric detection of pesticides on biocomposite electrode' held at Sharda University, Greater Noida from October 21-22, 2021.

Prof. Siddharth Sirohi

- Mittal, A., Gupta, K., Pani, B., Kumar, G., Ram Bhadu, G., Godara, S. K., ... & **Sirohi, S.** (2021). Silver Nanoprism for Selective and Sensitive Detection of Hg²⁺ Ions. *Journal of Nanoscience and Nanotechnology*, 21(12), 6094-6100.
- Co-ordinator in a one week online Interdisciplinary Faculty Development Programme in 'Youth & Climate Change' organized by Teaching Learning Center (TLC) Ramanujan College, University of Delhi in collaboration with the college & Catholicate Postgraduate College & Research Department of Botany Pathanamthitta, Kerala from October 27 to November 3, 2021.
- Co-convenor for a Short-Term Course on 'Implementation of National Education Policy (NEP 2020) राष्ट्रीय शिक्षा नीति 2020 द्वारा नवभारत निर्माण', held on October 20, 2021 organized by the Center for Professional Development in Higher Education, Human Resource Development Center, University of Delhi, Delhi.
- Resource person in a one-day online awareness cum workshop on 'Antimicrobial Activity of Biopolymeric Films' organized by the Department of Biomedical Science in collaboration with the Department of Instrumentation, Department of Polymer Science of the college on August 21, 2021.

- Co-coordinator in a national webinar on 'Injurious Invaders: Our Immune System and the Vaccines for Defense' organized by the NAAC Committee of the college on July 23, 2021.
- Course convener in an online short-term course on 'Leadership and Management' organized by the college in association with the Department of Physical Education and Sports Sciences, University of Delhi from July 18 to September 12, 2021.
- Coordinator in an online workshop on 'Psycho-social Skills of a Good Helper: Tackling the COVID Pandemic' organized by the college in association with Mahatma Gandhi National Council of Rural Education, Govt. of India, on June 30, 2021.
- Attended a National online workshop on 'Transformation Through NAAC Accreditation Process, organized by the Institute for Academic Excellence, Hyderabad in collaboration with Collegiate Education & Technical Education Department, Telangana State from June 21-22, 2021.
- Participated in an Inter-College Hands-on Training workshop on 'Instrumental Analysis of Materials' organized by the Department of Instrumentation in association with Department of Biochemistry, Department of Food Technology and Department of Polymer Science of the college from March 15-19, 2021.
- Coordinator in a virtual workshop on 'Small-Angle X-ray Scattering Analysis' on March 15, 2021.
- Resource person in an Inter-College workshop & Hands-on Training on 'Development and Testing of Packaging Films' organized by the Department of Instrumentation in association with Department of Food Technology and Department of Polymer Science of the college from March 11-12, 2021.

Dr. Susmita Dey Sadhu

- Sharma, B., Sandilya, A., Sharma, S., Garg, M., & **Sadhu, S. D.** (2021). Thermo-mechanical investigation of PEG–PVA biohybrid active film grafted with copper nanoparticles for packaging applications. *Bulletin of Materials Science*, 44(2), 1-11.
- Sharma, B., Sandilya, A., Patel, U., Shukla, A., & **Sadhu, S. D.** (2021). A bio-inspired exploration of eco-friendly bael gum and guar gum-based bioadhesive as tackifiers for packaging applications. *International Journal of Adhesion and Adhesives*, 110, 102946.
- Raj, R., & **Sadhu, S. D.** (2021). Effect of varying ratio of starch in melamine-formaldehyde/starch based adhesive and its properties. *Bulletin of Materials Science*, 44(2), 1-10.
- Garg, M., Balodi, A., Trivedi, R., Rao, E. R., **Sadhu, S. D.**, Singh, P., & Chopra, P. (2021). An overview of recent innovations in food packaging and their role in food safety and quality; *Science, Technology and Development*, ISSN : 0950-0707.
- Garg, M., Wason, S., Meena, P. L., Chopra, R., **Sadhu, S. D.**, & Dhyani, A. (2021). Effect of frying on physicochemical properties of sesame and soybean oil blend. *Journal of Applied and Natural Science*, 13(3), 820-829.

- Attended a webinar on ‘Assessing Online DU Library Resources & Aspects of Similarity Index’ organized by the Library Committee of the college on October 5, 2021.
- Presented a paper on ‘Development and Properties of Guava Based Nano-Edible Coating For Fresh Fruit Application’ in a conference held on August 27-28, 2021.
- Garg, M., **Sadhu, S. D.**, & Alam, T. (2021). Relevance of Coating and Lacquer in Food for Value Addition and Marketability. *Processed Food Industry*.
- Garg, M., Sharma, S., Chopra, R., & **Sadhu, S. D.** (2021). Emerging Trends. *CRC Press Taylor and Francis Group*, ISBN: 9781771889872.
- Undertaken a project ‘Establishment of Herbal Garden and utilisation of herbal plants for value added food products’, sponsored by Ministry of Ayush of Rs 45,000/- granted on June 13, 2019-2021.
- Sanctioned a minor project on ‘Development, Characterization and Testing of Novel Fruit-Based Nanocoating for Minimal Processed Fruit to Increase its Shelf Life’, under the aegis of DBT Star college Scheme from March 1, 2021 for two months.
- Garg, M., Sharma, S., Chopra, R., & **Sadhu, S. D.** (2021). Sanitation and Hygiene Process in Storage. *Packaging and Storage of Fruits and Vegetables: Emerging Trends*, 209.
- Garg, M., Kaur, P., & **Sadhu, S. D.** (2021). Edible Coating For Improvement Of Horticulture Crops. *Packaging and Storage of Fruits and Vegetables: Emerging Trends*, 89.

Dr. Anil Barak

- Attended a UGC-sponsored Short-Term Course on ‘Implementation of National Education Policy (NEP 2020) राष्ट्रीय शिक्षा नीति 2020 द्वारा नवभारत निर्माण’ organized by the Center for Professional Development in Higher Education, Human Resource Development Center, University of Delhi from October 20- 26, 2021.
- Attended a workshop on ‘Decoding BEAMS’ organized by the Digitization & Automation Committee of the college on September 01, 2021.
- Attended a workshop on ‘Decoding BRAHMA’ organized by the Digitization & Automation Committee of the college on August 25, 2021.
- Resource Person in an online awareness cum workshop on ‘Antimicrobial Activity of Biopolymeric Films’ organized by the Department of Biomedical Science in collaboration with the Department of Instrumentation, Department of Polymer Science of the college on August 21, 2021.
- Attended a webinar on ‘Awareness Program Bioinformatics and Computational Biology’ organized by the Department of Biomedical Science of the college on August 21, 2021.

- Attended a Short-Term Course on ‘Innovative Packaging and Sustainability’, jointly organized by the college and Foundation for Innovative Packaging and Sustainability from July 26, 2021 to August 28, 2021.
- Co-coordinator in an online Short Term Certificate Course (40 Hours) on ‘Fitness Management’ organized by the college in association with the Department of Physical Education and Sports Sciences, University of Delhi from July 18 to September 12, 2021.
- Attended a national webinar on ‘The End of the Future: Learning from the Climate Crisis’ organized as a part of Short-Term Certificate Course on ‘Environmental Friendly Teaching Learning Practices’ by the college on July 11, 2021.
- Attended a national webinar on ‘My Life with Rocket Science’ organized by the Extra Curricular Activity Committee of the college on July 08, 2021.
- Attended a workshop on ‘Designing and Development of e-Resources for Teaching and Learning’ and obtained grade-A organized by Rajdhani College, University of Delhi from June 22-24, 2021.
- Coordinator in an online Short Term Certificate Course on ‘Leadership and Management’ organized by the college in collaboration with Society for Applied Value Education from June 20 to August 26, 2021.
- Co-coordinator and a resource person in an Inter-College Hands-on Training workshop on ‘Instrumental Analysis of Materials’ organized by the Department of Instrumentation in association with the Department of Biochemistry, Department of Food Technology and Department of Polymer Science of the college from March 15-19, 2021.
- Co-coordinator and a resource person in an Inter-College workshop & Hands-on Training on ‘Development and Testing of Packaging Films’ organized by the Department of Instrumentation in association with the Department of Food Technology and the Department of Polymer Science of the college from March 11 to 12, 2021.

Dr. Krishna Dutt

- Attended an online Short Term Certificate Course on ‘Youth & Climate Change’ organized by the college in association with LAKSHYA-A Society for Social And Environmental Development on October 3, 2021.
- Attended an Inter College Hands-on Training workshop on ‘Instrumental Analysis of Materials’ organized by the Department of Instrumentation of the college from March 15-19, 2021.
- Attended an Inter-College workshop & Hands-on Training on ‘Development and Testing of Packaging Films’ organized by the Department of Instrumentation in association with the Department of Food Technology and Department of Polymer Science of the college from March 11-12, 2021.

Dr. Premlata Meena

- Garg, M., Wason, S., **Meena, P. L.**, Chopra, R., Sadhu, S. D., & Dhyani, A. (2021). Effect of frying on physicochemical properties of sesame and soybean oil blend. *Journal of Applied and Natural Science*, 13(3), 820-829.
- **Meena, P. L.**, & Sehrawat, A. (2021). Sustainable Energy Policies of India to Address Air Pollution and Climate Change. *Energy: Crises, Challenges and Solutions*, 169-181.
- Participated in a National webinar on 'The End of the Future: Learning from the Climate Crisis' organized as a part of Short-Term Certificate Course on 'Environmental Friendly Teaching Learning Practices', by the college on July 11, 2021.

Dr. Umesh Kumar

- Participated in the National webinar on the topic 'National Pension Scheme' organized by Capability Enhancement and Literary Club of the college on January 21, 2022.
- Participated in the Surya Namaskar Pledge organized by the Ministry of Aayush on January 17, 2022.
- Participated in a workshop on 'Know Your Rivers' organized by the Nadi ko Jano Committee of the college on January 8, 2022.
- Participated in a workshop on 'Geo-Tagging' organized by the Photography Club of the college on December 30, 2021.
- Participated in a workshop on the 'Student Satisfaction Survey' organized by the Internal Quality Assurance Cell of the college on November 12, 2021.
- Participated in a webinar on 'Indian Rivers: Ancient Culture and Modern Science' jointly organized by the Swachata and e-Waste Management Committee and Biological and Chemical Waste Management Committee on September 15, 2021.
- Participated in a workshop on 'Innovative Multi-layered Biodegradable Polymer Particles for Food Packaging' organized by the Department of Polymer Science of the college on September 03, 2021.
- Participated in a National webinar on 'Drugs for Bad Bugs: Who Will Win this War?' organized by the Sukshmjeev Society, Department of Microbiology of the college on September 3, 2021.
- Participated in a workshop on 'Decoding BEAMS' organized by the Digitization & Automation Committee of the college on September 01, 2021.
- Participated in a workshop on 'Polyelectrolyte Membranes for Fuel Cells' organized by the Department of Polymer Science of the college on August 03, 2021.

DEPARTMENT OF ZOOLOGY

Departmental Activities

- Organized a 'One day visit to National Zoological Park' New Delhi for second- and third-year students on March 30, 2022. Dr. Reetuparna Basak, Dr. Alivia Roy and Dr. Laljee Ram Meena were the coordinators.
- Organized an online 'M.Sc. Entrance Examination Preparation Classes' from January 22- February 26, 2022.
- Organized a Skill Enrichment Program (Basic) on 'Bacterial Genomics & Metagenomics' by the college in collaboration with the Department of Zoology, Deen Dayal Upadhyaya college, University of Delhi, PG Department of Zoology, Magadh University, Kirori Mal college, University of Delhi & PhiXgen Pvt. Ltd., Gurugram, INDIA under the aegis of Synapses, Science Foundation & Deeksharambh, and Episteme, from January 15 - February 7, 2022. Dr. Anjali Saxena was the coordinator.
- Organized an online event on 'Career Guidance From Alumni' by the college from January 31 to February 2, 2022. Prof. A. K. Bali was the convener, Dr. Reetuparna Basak was the faculty coordinator.
- Organized an online event on 'युग्म: Alumni Meet 2022 @ Zoology' organized by the Department of Zoology of the college on January 30, 2022. Prof. A. K. Bali was the convener, and Dr. Reetuparna Basak was the department coordinator.
- Organized an online short-term course on 'Immunological Techniques and their applications' in collaboration with the Department of Zoology, University of Delhi, Delhi from October 22- November 11, 2021. Prof. A. K. Bali was the convener, Dr. Reetuparna Basak was the coordinator and Dr. Alivia Roy was the co-coordinator.
- Organized a workshop on 'Wildlife Conservation Week' with special reference to 'Sparrow Conservation and Nest Building' on October 8, 2021. Prof. A. K. Bali was the convener, Dr. Satyam Ravi, Dr. Anjali Sexena, and Dr. Pallee Shree were the event coordinators and Dr. Alivia Roy, Dr. Reetuparna Basak, Dr. Amit Kumar Singh, and Dr. Laljee Ram Meena were the faculty coordinators.
- Organized a national level online quiz on the occasion of 'World Ozone Day' from September 15-16, 2021. Prof. A. K. Bali was the convener, Dr. Satyam Ravi, Dr. Alivia Roy, and Dr. Reetuparna Basak were the event coordinators and Dr. Anjali Sexena, Dr. Pallee Shree, Dr. Amit Kumar Singh and Dr. Laljee Ram Meena were the faculty coordinators.
- Organized a webinar on 'I write my own story' on March 05, 2021. Prof. A. K. Bali was the convener and Dr. Satyam Ravi, Dr. Alivia Roy, Dr. Reetuparna Basak, Dr. Anjali Sexena, Dr. Pallee Shree, Dr. Amit Kumar Singh, and Dr. Laljee Ram Meena were the teacher coordinators.

FACULTY ACHIEVEMENTS

Prof. Anil K. Bali

- Participated in a workshop on 'Building Emotional Agility' Organized by NAAC committee of the College on March 7 & 9, 2022

Dr. Alivia Roy

- Attended a national workshop on 'Good Laboratory Practices in Biological & Chemical Sciences' organized by the Biological & Chemical Waste Management Committee of the college in collaboration with Mehr Chand Mahajan DAV College for Women, Chandigarh and AFSTI, Delhi on March 10, 2022.
- Participated in a workshop on 'Government e-Marketplace (GeM)' organized by the Central Purchase Committee of the college from January 27-28, 2022.
- Completed an Online Short-Term Course on 'Immunological Techniques and their Applications' organized by the Department of Zoology of the College in collaboration with Department of Zoology, University of Delhi from October 22 - November 9, 2021.
- Participated in an online workshop on 'Sparrow Conservation and Nest Building' organized by the Department of the Zoology of the college on October 8, 2021.
- Completed one day online Faculty Development Program on 'Digital Pedagogy and Climate Change Education Across Disciplines' organized by Sri Venkateswara College, University of Delhi in collaboration with TROP ICSU, a Climate Change Education Project by the International Union of Biological Sciences on August 28, 2021.
- Participated in a workshop on 'Decoding Brahma' organized by the Digitization and Automation committee of the college on August 24, 2021.
- Participated in the National webinar on 'Organ donation: Significance and Pledge' organized by the Department of Chemistry of the college on August 13, 2021.
- Attended a lecture on 'Role of lifestyle in fitness management' of the short term course on 'Fitness management' organized by the Department of Physical Education of the college on August 07, 2021.
- Participated in a webinar on 'Injurious Invaders: Our Immune System and the Vaccines for Defense' organized by the NAAC committee of the college on July 23, 2021.
- Participated in a launch of 'Menstrual Cafe' organized by the Women Development Cell of the college in collaboration with Sachhi Saheli on July 16, 2021.
- Participated in a National webinar on 'My Life With Rocket Science' organized by the Extra Curricular Activity of the college on July 8, 2021.
- Participated in an International Colloquium on 'Regulatory Mechanisms underlying Behavior, Physiology and Development' organized by the Department of Zoology, University of Delhi under the joint umbrella of Indian Society of Chronobiology and Indian Society of Comparative Endocrinology from March 24-26, 2021.
- Participated in a webinar on 'Write My Own Story' organized by the Department of Zoology of the college on March 5, 2021.

Dr. Anjali Saxena

- Dhingra, G. G., **Saxena, A.**, Nigam, A., Hira, P., Singhvi, N., Anand, S., ... & Lal, R. (2021). Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences. *Indian Journal of Microbiology*, 61(2), 111-115.
- Attended a National seminar on 'Women Empowerment: Challenges, Need and Issues' organized by the college on the occasion of International Women's Day from March 7-8, 2022.
- Participated in a webinar on 'PCOS Awareness' organized by the Women Development Cell of the college held on February 05, 2022.
- Participated as a Faculty coordinator in the Project Rozgar Program 'Psychometric Analysis Program' organized by the NAAC Committee and Mentoria from January 31-February 4, 2022.
- Participated in a workshop on 'Event Coordination and Database Management' organized by the NAAC committee of the college from November, 22-25, 2021
- Participated in a conference on 'Microbes in Sustainable Development' organized in association with the Department of Zoology, Acharya Narendra Dev college, Deen, Dayal Upadhyaya College, Gargi college, Kirori Mal college, Maitreyi college, Ramjas college, Sri Venkateswara college, Shri Guru Tegh Bahadur Khalsa college, University of Delhi, College of commerce, Arts & Science, Patliputra University, Patna, Post Graduate Department of Zoology, Magadh University, Choudhary Mahadev Prasad college, Allahabad University, & PhiXgen Pvt. Ltd., Gurugram from November 15 - 18, 2021.
- Participated in a workshop on 'Student Satisfaction Survey' organized by the Internal Quality Assurance of the college on November 12, 2021.
- Participated in a workshop on 'Brain Awareness Day' organized by the college on November 11, 2021.
- Participated in a workshop on 'Login Feature of College Website' organized by the Website and Internet committee of the college on October 25, 2021.
- Attended an Interdisciplinary Faculty Development Programme on 'Wildlife Conservation and Management' organized by Daulat Ram college, University of Delhi from October 4 to 9, 2021.
- Participated in an 'International Outreach Program on Occasion of International Microorganism Day' organized by Deen Dayal Upadhyaya College, Gargi College, Kamala Nehru college, Ramjas college, Acharya Narendra Dev college, Venkateswara college, University of Delhi & IIT Roorkee, Post Graduate Department of Zoology Magadh University and Phixgen, Pvt Ltd. on September 17, 2021.
- Participation in a National webinar on 'Drugs for Bad Bugs: Who Will Win This War?' webinar series on 'Microbiology: From Principles to Applications' organized by the Sukshmjeev Society, Department of Microbiology of the college on September 3, 2021.

- Completed one day online Faculty Development Program on ‘Digital Pedagogy and Climate Change Education Across Disciplines’ organized by Sri Venkateswara College, University of Delhi, India in collaboration with TROP ICSU, a Climate Change Education Project by the International Union of Biological Sciences on August 28, 2021.
- Participated in a National webinar on The End of the Future: Learning from the Climate Crisis organized as a part of Short Term Course on ‘Environmental Friendly Teaching Learning Practices’, on July 11, 2021.
- Participated in a National Webinar on ‘My Life with Rocket Science’ organized by the Equal Opportunity Cell of the college on July 8, 2021.
- Participated in a workshop on ‘Psycho- Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by the NAAC committee in association with Mahatma Gandhi National Council of Rural Education on June 30, 2021.

Dr. Laljee Ram Meena

- **Meena, L.R** ,Tandale,M.R., and Meena, A.S. (2022) Soil contamination: A phyco-chemical analysis of nearby Rivers at Balotra and Pali western Rajasthan, India. *IJRT.Org* **10**, issue 2.
- Sandip,T.M.N., and **Meena, L.R.** (2021) ‘Analysis of chemical parameters of freshwater bodies of Kajali river Ratnagiri, India. *Int. J. of Life Sciences*,; **9** (2):255-259 ISSN:2320-7817(p) 2320-964X(o).
- Participated in a National seminar on ‘Women empowerment: Challenges, Need and Issue’ organized by the College on March 7-8, 2022.
- Participated and presented a research paper in an international e-Conference on current innovations in sciences (CIS-2022) organized by the Faculty of Science & IQAC, Late Pushpadevi Patil Arts and Science College Risod, Maharashtra on February 21, 2022.
- Participated in a workshop on ‘Nadi ko Jaano’ as a coordinator organized by the Nadi ko Jano committee of the college on February 5, 2022.
- Participated in a online event on ‘Career Guidance from Alumni’ organized by the Department of Zoology of the college from January 31-February 2, 2022
- Participated in a workshop on ‘Government e-Marketplace (GeM)’ organized by the Central Purchase committee of the college from January 27-28, 2022.
- Participated in an Online workshop on ‘Know Your Rivers’ as a faculty co-coordinator organized by the Nadi ko Jano committee of the college on January 8, 2022.
- Participated in a webinar on ‘Statistical Analysis Using MS Excel’ organized by Ramanujan Society, Department of Mathematics, Maharaja Agrasen college, University of Delhi on December 13, 2021.

- Participated in a National webinar on ‘Know your Kidneys’ organized by Health and Hygiene Committee and enabling unit, and Maitreyi College, University of Delhi in collaboration with Venkateshwar Hospital, Dwarka on December 11, 2021.
- Completed two-day workshop on ‘Event Coordination and Management’ organized by the NAAC committee of the college from November 22-25, 2021.
- Participated in a workshop on ‘Student Satisfaction Survey’ organized by the Internal Quality Assurance Cell of the college on November 12, 2021.
- Completed one-week interdisciplinary Faculty Development Program on ‘Youth & Climate Change’ organized by the Ministry of Education Government of India and University of Delhi from October 27-November 3, 2021.
- Participated in a workshop on ‘Login Feature of College Website’ by the Website and Internet Committee of the college on October 25, 2021.
- Completed a two-day International online symposium on ‘Reproductive Health and Physical Fitness’ organized by Deen Dayal Upadhyaya college, University of Delhi from September 28-29, 2021.
- Participated in a National webinar on ‘Present and Past Scenario of O₃ Depletion: Consequence and Montreal Protocol’ organized by the Department of Botany of the college on September 16, 2021.
- Participated in a workshop on ‘Psycho- Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by the College on June 30, 2021.
- Completed a Faculty Development Program on ‘Emerging Accessible technologies for Teachers in Higher Education’ organized by Maitreyi College, University of Delhi From March 20 to April 3, 2021.

Dr. Pallee Shree

- Coordinator in a webinar on ‘भाषा सम्बन्धी पारचर्चार् : अंतरराष्ट्रीय स्वरूप और संभावनाएं’ organized by the College on February 21, 2022.
- Co-coordinator in an online Short Term Course on ‘Leadership & Management’ organized by the college in association with the Department of Physical Education and Sports Sciences, University of Delhi from February 6-27, 2022.
- Participated in an ‘IP Awareness/Training program’ under National Intellectual Property Awareness Mission organized by Intellectual Property Office on January 17, 2022.
- Coordinator in a National webinar on ‘Role of National Education Policy in Empowering Qualities in Youth of 21st Century’ organized by Vivekanand Vihar Manch, to celebrate National Youth Day on the occasion of Swami Vivekanand Jayanti on January 12, 2022.

- Participated in an online workshop on ‘Know your Rivers’ organized by Nadi Ko Jano Committee of the college on January 8, 2022.
- Coordinator in an online open mic competition on ‘Gender Sensitization’ organized by the college on November 13, 2021.
- Participated in a National webinar on ‘Empowered Women=Stronger Nation’ organized jointly by the Vivekanand Vichar Manch and Women Development Cell of the college on October 28, 2021.
- Completed One week (Online) Interdisciplinary Faculty Development Programme on ‘Wildlife Conservation and Management’ by Daulat Ram College, University of Delhi in Collaboration with Mahatma Hansraj Development Center Hansraj college, University of Delhi from October 4 – 9, 2021.
- Participated in a workshop on ‘Decoding BEAMS’ organized by the Digitization & Automation Committee of the college on September 01, 2021.
- Participated in a workshop on ‘Decoding Brahma’ organized by the Digitization and Automation Committee of the college on August 25, 2021.
- Attended a National webinar on ‘Injurious Invaders: Our Immune System and the Vaccines for Defense’ organized by NAAC the committee of the college on July 23, 2021.
- Participated in ‘A Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by the NAAC Committee in association with Mahatma Gandhi National Council of Rural Education, Ministry of Education, Govt. of India on June 30, 2021.

Dr. Reetuparana Basak

- Roy, B., **Basak, R.**, & Rai, U. (2022). Impact of xenoestrogens on sex differentiation and reproduction in teleosts. *Aquaculture and Fisheries*.. <https://doi.org/10.1016/j.aaf.2022.02.001>
- **Basak, R.**, Banerjee, A. & Rai, U. (2021). Demystifying Bisphenol A-Induced Alterations in Hypothalamic-Pituitary-Ovarian Functions Leading to Polycystic Ovarian Syndrome. *Proceedings of the Zoological Society*. <https://doi.org/10.1007/s12595-021-00407-0>.
- Participated in an online event as a Coordinator on ‘Project Rozgar Bazar’ organized by the NAAC Core Committee of the College in collaboration with Mentoria Organization, an initiative of Delhi Government from January 31 to February 09, 2022.
- Participated in an online event as a Resource person on ‘M.Sc. Entrance Examination Preparation Classes’ organized by the Department of Zoology of the college from January 22 to February 26, 2022.
- Participated in a webinar on ‘Geo-tagging’ organized by the Photography Club of the college on December 30, 2021.

- Participated in a workshop on ‘Event Coordination & Database Management’ organized by the NAAC Core Committee of the college on November 22 - 25, 2021.
- Participated in a workshop on ‘Student Satisfaction Survey’ organized by the Internal Quality Assurance Cell of the college on November 12, 2021.
- Participated in a film Screening on ‘Drishtikon- India’s Scientific Journey’ organized by the Film club and Dramatics club of the college on October 03, 2021.
- Participated in a workshop on ‘Decoding BEAMS’ organized by the Digitization & Automation Committee of the college on September 01, 2021.
- Participated in a workshop on ‘Decoding BRAHMA’ organized by the Digitization & Automation Committee of the college on August 24, 2021.
- Participated in a webinar on ‘जैव-ऐ-रंगमंच’ organized by the Dramatics Club of the college on July 24, 2021.
- Participated in a workshop on ‘Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic’ organized by the college in association with Mahatma Gandhi National Council of Rural Education, Ministry of Education, Govt. of India on June 30, 2021.
- Participated in a conference on ‘International Colloquium On Regulatory Mechanisms underlying Behavior, Physiology and Development’ organized by the Department of Zoology, University of Delhi, from March 24-26, 2021.

Dr. Satyam Ravi Dwivedi

- Mishra G., Mishra L.C, & **Dwivedi S.R.** (2022). ‘Ecological Approaches to Pest Management’, Bioscientific Publisher.
- Participated in a workshop on ‘Women Empowerment: Challenges, Need and Issues’ organized by the college from March 7-8, 2022.
- Participated in a webinar on ‘Evolution: The Most Important Theory of Biology’ organized by Sri Venkateswara College, University of Delhi on March 4, 2022.
- Participated in a workshop on ‘Nadi ko Jaano’ organized by the college on February 05, 2022.
- Attended a National webinar on ‘National Intellectual Property awareness Mission’ organized by the Intellectual Property Office, India on January 17, 2022.
- Participated in a workshop on ‘Familiarization with MS Teams’ organized by the college from November 22-28, 2021.
- Participated in a workshop on ‘Login Feature of College Website’ by the Website and Internet Committee of the college on October 26, 2021.
- Participated in a Short-term course on ‘Implementation of National Education Policy (NEP) 2020’ organized by the CPDHE from October 20-26, 2021.

- Participated in a workshop on ‘Sparrow Conservation and Nest Building’ organized on the occasion of Wildlife Conservation Week by the college on October 8, 2021.
- Participated in a workshop on ‘Assessing Online DU Library Resources & Aspects of Similarity Index’ organized by the Library Committee of the college on October 5, 2021.
- Participated in a workshop on ‘Decoding BEAMS’ organized by the Digitization and Automation Committee of the college on September 01, 2021.
- Participated in a workshop on ‘Decoding Brahma’ organized by the Digitization and Automation Committee of the college on August 24, 2021.
- Participated in a National webinar on ‘My Life With Rocket Science’ organized by the college on July 8, 2021.
- Participated in a webinar entitled ‘Covid 19: Immunization Awareness’ organized by the college on April 14, 2021.

LIBRARY

Growth in Collection of the Library

A two-day book exhibition organised from March 9-10, 2022.

Library Blog: Total Page Views: 42125.

Library Visitors: 1. Mohd. Mohsin, and 4 members from SOL. 2. Mr. Khushal from DELNET, JNU.

Library has a collection of 27068 volumes of books including reference books, 336 bound volumes of journals and 1231 CDs/DVDs. Apart from the regular subscription to some newspapers & magazines, the library, this year, has renewed its subscription to N-LIST (National Library and Information Services Infrastructure for Scholarly Contents) programme of INFLIBNET. This has provided the facility to access a large number of e-resources to the students and staff throughout the year 24 X 7. This year the AMC of RFID Systems has been also awarded.

Footfall, Circulation and Overdue Charges

Library Footfall	3083
Library Circulation - Issue	1409
Library Circulation - Returned	1303
Collection of Overdue Charges	Rs. 7380

COLLEGE ACTIVITIES

(Activities Organised by Various Committee/Cells/Clubs)

COMMITTEE

ALUMNI COMMITTEE

(Convener - Dr Rizwana)

- Organised an Online Event “पुनः Alumni Meet 2022 @ Zoology” on January 30, 2022.
- Organised a Panel Discussion on FOOD TECHNOLOGY: THE FUTURE AHEAD was organised by the Department of Food Technology on January 15, 2022. Resource persons were Mr.Sudhir Zutshi, Mr.Sumit Nair, Ms. Parama Bhadra, Dr. Kavita Bhatnagar and Ms.Chandni Panvanda. Conveners were Dr.Rizwana and Dr. Meenakshi Garg and Coordinator was Dr. Sakshi Khurana.
- Organized an online Alumni Interactive Session on the theme ‘Reminisce, Reconnect and Reflect’ by Phytomics- The botanical society of our college on February 20, 2022.
- Organised an online event ‘Alumni Interaction’ by Sukshmjeev Society, Department of Microbiology on September 25, 2021.

BIOLOGICAL & CHEMICAL WASTE MANAGEMENT COMMITTEE

(Convener: Dr. Shalini Sehgal)

- Organized webinar on ‘Indian Rivers: Ancient Culture and Modern Science’ jointly by the Biological & Chemical Waste Management Committee and Swacchata & e-Waste

Management Committee on September 15, 2021. Professor Maharaj K Pandit, CEO from Institute of Eminence, University of Delhi was the resource person.

- A Memorandum of Understanding (MoU) was signed with Ms. SMS Water Grace BMW Pvt. Ltd. – a Government of Delhi empaneled company for waste management in January, 2022 for a period of two years and a well-defined procedure was established in the college to handle the waste generated.
- Organised an online National workshop on ‘Good Laboratory Practices in Biological and Chemical Sciences’ in collaboration with Mehr Chand Mahajan Dav College for Women, Chandigarh and AFSTI, Delhi Chapter on March 10, 2022. Prof. Archana Bhatnagar, from Department of Biochemistry, Panjab University, Chandigarh, Dr. Vivek Narayan Singh, Head of Environment Protection Division, Shriram Institute for Industrial Research, New Delhi and Dr. Dipanjan Datta from Department of Biochemistry, Panjab University, Chandigarh were the resource persons.

CENTRAL PURCHASE COMMITTEE

(Convener: Dr. Jitender Kumar)

- Organized an online workshop on ‘Government e-Marketplace (GeM)’ from January 27-28, 2022. Dr. Jitender Kumar and Prof Avneesh Mittal were the resource persons.

DIGITIZATION AND AUTOMATION COMMITTEE

(Convener - Dr. Parthasarthy Pal)

- Organized workshop on ‘Decoding Beams’ by Prof. Avneesh Mittal on September 1, 2021.
- Organized workshop on ‘Decoding Brahma’ by Prof. Avneesh Mittal during August 23-25, 2021.
- Organized workshop on ‘Familiarization with MSTeams’ during November 22-28, 2021.

E- WASTE AND SWACHATA COMMITTEE

(Convener: Mr. Bhavya Deep)

- Organized a special plantation drive in coordination with the Garden Committee in the college campus on September 7, 2021.
- Organised a cleanliness drive in the college on September 7, 2021.
- Organised a Poster Making Competition and Slogan Writing Competition on the theme ‘WATER CONSERVATION: Every Drop Counts’ on September 7, 2021.

- Commenced the Swachhta Pakhwada with Swachhta Pledge in the college on September 1, 2021

EXTRACURRICULAR ACTIVITY COMMITTEE

(Convener: Dr. Vijaya K Nalla)

- Organized '73rd Republic Day Event' on January 26, 2022. The guest of honour of cultural events is Prof. BalaramPani, who has delivered his words of wisdom. Music, Dance, Dramatics, Fine Arts and Film clubs gave performances on republic day.
- Organized a 'Vigilance Awareness Week 2021 as part of Independent India @75' from October 26 - November 1, 2021 on theme 'Independent India @ 75: Self Reliance with Integrity; "स्वतंत्रभारत @ 75: सत्यनिष्ठासेआत्मनिर्भरता'.
- Organized '74th Independence Day Event' on August 15, 2021. The Independence Day celebration included inauguration of vidya vistar scheme, by guest Prof. Ratnabali, Coordinator of Vidya Vistar Scheme, University of Delhi and inauguration of BRAHMA software of college by Prof. P.C. Joshi, Hon'ble Vice Chancellor of University of Delhi. Organized National Webinar on 'Role of Youth in Making Modern India' by the Chief Guest of the Event, Mr. V. V. Lakshmi Narayana, IPS, Retired as a Joint Director of Central Bureau of Investigation (CBI) and winner of coveted President's Police Medal.
- Organized a national webinar on 'My Life with Rocket Science' by Padma Shree Sh. Vasudevan Gnana Gandhi on 8th July 2021, through Google Meet, to celebrate 75 years of India's Independence. Mr. VG Gandhi highlighted the importance of space research and how students can pursue research in aeronautical engineering and allied subjects.

GARDEN COMMITTEE

(Convener - Prof. Eram . S Rao)

- Initiated a green drive specifically during the Swachhta Pakhwada between September 1 – 15, 2021 and planted saplings with the help of the staff and students. Tilling and manuring of the existing potted plants was done under the stewardship of the garden committee members. The herbal garden was formally inaugurated by Prof. Balaram Pani, and tree plantation drive was also organized to mark the occasion of Swatchta Pakhwada on Sept 7, 2021.
- Organised online workshop on sensory gardens 'Plants that Engage with our Senses' on the occasion Vasant Panchami in collaboration with Music club on February 5, 2022

GENDER SENSITIZATION COMMITTEE

(Convenor - Dr. Inderbir Kaur)

- Organized online Session on ‘Sensitization Towards LGBTQIA+ Community in the University Space: Exploring Gender Identities, Sexual Orientations’ and Taking a Compassionate Approach, on February 27, 2022. Dr. Ankita Gupta was the resource person for the event. Dr. Inderbir Kaur and Dr. Anita Sondhi were the Conveners, Dr. Pallee Shree and Dr. Neha Singh were the Coordinators, Isha, Srividya, Akansha and Chanchal were the student coordinators.
- Organized online Session in association with LAKSHYA A Society for Social and Environmental Development on February 22, 2022 on ‘Gender Lens- A Perspective of Gender Equity’ Ms. Nandini Shrivastava was the resource person for the event. Dr. Inderbir Kaur was the Convener, Dr. Pallee Shree, Mr. Sumant Shekhar, Ms Anusuya Sarma Project Manager, Lakshya were the coordinators. Isha, Srividya, Akansha and Chanchal were the student coordinators.
- Organized online debate competition on ‘DEBATE COMPETITION: RELEVANCE OF GENDER PAY GAP’ on January 22, 2022. Dr. Inderbir Kaur was the Convener, Dr. Pallee Shree was the coordinator. Srividya and Isha were the student coordinators.
- Organized online extempore on ‘EXTEMPORE: AN OPEN MIC COMPETITION’ on November 13, 2021. Dr. Inderbir Kaur was the convener, Dr. Pallee Shree was the coordinator. Srividya and Isha were the student coordinators.

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC) COMMITTEE

(Convener: Prof. Uma Chaudhry)

- Coordinated the Program on ‘Project Rozgar Bazar (Psychometric Analysis Program)’, which was an initiative by Government of NCT Delhi from 31st January-February 4th 2022. The Program was coordinated in collaboration with Mentoria and under the able guidance of Chairperson of the college Governing Body, Ms. Madhuri Varshney.
- Organised a workshop on ‘Event Coordination and Database Management’ from November 22-25, 2021. Prof. Uma Chaudhry, Prof. Sidharth Sirohi, Prof Avneesh Mittal and Dr. Purnima Anand were conveners and Dr. Shubhra Barwa, Dr. Kapil Roy, Dr. Anjali Saxena and Dr. Seema were coordinators.
- Celebrated Antibiotics Awareness week, from November 18-24, 2021 with the launch of Project Parivartan under a DST Project of college. The objective of the program was to sensitise participants about societal issues of concern and simultaneously create Scientific Awareness about Antimicrobial Resistance. Societal Issues such as Bijli Bachao, Unnati Lao; Interaction with People with Disabilities; Plastic Hatao, Paryavaran Bachao; Project Pakshigraha; Plastic Planet to Green Planet; Cloth Drive; Green College Initiatives; Brown to Green; Plastic Waste Management and Water Body Management were addressed in the project.

- Organized webinar entitled, ‘Injurious Invaders: Our Immune System and the Vaccines for Défense’ was delivered by Indian National Science Academy (INSA) President, Prof. Chandrima Shaha, on 23 July 2021.
- Organized a workshop on 'Psycho-Social Skills of a Good Helper: Tackling the COVID Pandemic' on 30 June 2021. Ms. Kritika Punia working with Mahatma Gandhi National Council of Rural Education (MGNCRE), MoHRD, was the Resource Person for the workshop. Dr.Uma Chaudhry, Prof.Sidhharth Sirohi and Dr. Roshan Lal were coordinator.

NATIONAL EDUCATION POLICY (NEP) TASK FORCE COMMITTEE

(Convener: Dr Vandana Batra)

- NEP Task force committee in association with V2 scheme has organized an online webinar on the theme “राष्ट्रीय शिक्षा नीति और भारतीय ज्ञान परम्परा” on 29th January 2022 successfully. Resource person Prof. Hare Ram Tripathi (VC, Sampuranand Sanskrit Vishwavidyalaya, Varanasi)
- Organised an online 6-days Short Term Course in collaboration with CPDHE (UGC-HRDC) on the topic on “राष्ट्रीय शिक्षा नीति 2020 द्वारा नव भारत शर्माण, Making of Nav Bharat through National Education Policy 2020” from 20-26th October, 2021 successfully. The course was inaugurated by Hon’ble Minister of State for education Dr Subhas Sarkar ji in the presence of, Prof. Kailesh Sharma and Prof. Balaram Pani and Sh. Atul Kothari (Secretary, Shiksha Sanskriti Utthan Nyas) was the valedictory Chief Guest of the course.

RESEARCH and PROJECT ASSESSMENT COMMITTEE

(Convener: Prof. N. S. Abbas)

- Organized a one-day National Workshop on ‘Research Methodology’ on March 24, 2022 in collaboration with The Internal Quality Assurance Cell. Prof Vir Bahadur Singh, School of Computer and Systems Sciences, Jawahar Lal Nehru University and Dr Gajendra Pratap Singh Assistant Professor, from the School of Computational and Integrative Sciences, Jawaharlal Nehru University were the resource persons.
- Organized a one-day workshop on ‘Different Aspects of Research’ on February 16, 2022 in collaboration with the Department of Botany of the college. Prof. N. B. Singh, from the Department of Chemistry and Biochemistry, Sharda University, Greater Noida, U.P. delivered a comprehensive talk on various research methodologies and ethics.
- Organized a webinar on ‘Science and Ethics’ on February 01, 2022 in collaboration with Shiksha Sanskriti Utthan Nyas, Delhi. Shri Nitin Sharma, the Secretary- Shiksha

Swasthya Nayas, and the Chairperson- WOSY, world organization for students and youth, delivered a highly interesting talk.

SPORTS COMMITTEE

(Convener - Dr. Anand Bharadvaja till 20 July 2021 ; Prof Siddharth Sirohi)

- Conducted ‘Fitness Management’ a 40-hours online Short-Term Certificate Course on “Fitness Management” in association with the Department of Physical Education and Sports Sciences (University of Delhi) from July 18-September 12, 2021.

STUDENT ADVISORY COMMITTEE

(Convener - Dr. Sushmita Dey Sadhu)

- Organised an Open Day ‘Session to address the queries of the students’ on January 31, 2022.
- Processed the application form of all the students who applied for fee concession 2021-22.
- Organised ‘Orientation Day’ on November 21, 2021 in online mode through respective departments.
- Addressed the grievances received from the UG aspirants of our college and solved their problems throughout the admission process starting from October 1-December 2021.
- Organised the CR elections for 1st year, 2nd year and 3rd year students of various batches in 2021-22 through respective departments.

VIVEKANAND VICHAR MANCH COMMITTEE

(Convener: Ms. Shweta Gupta from July 20, 2021- November 10, 2021; Dr. Ragini Jindal)

- Organised ‘लोकगीत प्रतियोगिता in association with the Music Club of the college on February 25, 2022 at college amphitheatre.
- Organized a webinar on ‘भाषा संबंधी परिचर्चा अन्तराष्ट्रीय स्वरूप और संभावनाएं’ in association with Atelier: Capability enhancement and Literary Club of the college on February 21, 2022. Dr. Harinder Kumar, Department of Hindi, Hindu College, University of Delhi was the invited speaker.
- Organised a webinar on ‘Role of National Education Policy in Empowering Qualities in Youth of 21st Century’ and Celebrated National Youth Day on the occasion of Swami Vivekanand Jayanti on January 12, 2022. Prof. Anand Paliwal, Department of Law, Mohanlal Sukhadia University, Udaipur was the invited Speaker.

- Organised Poster-Making Competition jointly with the Department of Mathematics on theme: 'Dream India of Swami Vivekananda/स्वामी विवेकानंद का सपनों का भारत' on October 30, 2021.
- Organised National Webinar on 'Empowered Women=Stronger Nation' jointly by Vivekanand Vichar Manch in association with the Women Development Cell on October 28, 2021. Sh. Vikrant Khandelwal, Organizing Secretary, Bhartiya Vikas Parishad was the speaker.
- Organised National Slogan Writing Competition on theme: 'Self-Reliant India/आत्मनिर्भर भारत' on October 27, 2021.
- Organised National Portrait Making Competition on theme: 'Portrait of Swami Vivekananda' on October 25, 2021.
- Organised an online National Debate Competition on October 19, 2021 jointly with the Department of Microbiology on the theme 'Is technology bringing people together?'.

WEBSITE AND INTERNET COMMITTEE

(Convener - Dr. Ragini Jindal)

- Organized online workshop on 'Workshop on login feature of college website' resource person for the event is Ms. Gunjan on October 25-26, 2021. Dr. Ragini Jindal, Dr. Amanadeep Kaur, Dr. Jayant Sharma, Prof. Anand Bharadwaja and Dr. Manoj Tiwari were the members of the organizing committee.

CELLS

ANTI-TOBACCO CELL

(Convener: Dr. Vijay Kumar)

- Organized a webinar on 'Swami Vivekananda Ideology: No Space for Addiction' on the occasion of National Youth Day (Swami Vivekananda Jayanti) on January 12, 2022. The talk was delivered by Shri Nikhil Yadav (Prant Yuva Pramukh, Vivekananda Kendra, Uttar Prant).

BHASKARACHARYA CELL

(Convener - Dr Krishna Dutt)

Organised a talk on 'Wildlife Conservation and Management during Wildlife Week' on October 2-8, 2021. The speaker was Dr. Devendra Kumar Assistant Professor, Department of Zoology, Mohanlal Sukhadia University, Udaipur (Rj.)

CAREER COUNSELLING CELL

(Conveners- Dr. Shweta Gupta till 19th July 2021; Dr Uma Dhawan)

- Organised 'Brain Awareness Day' jointly with the Department of Biomedical Science, and Amity Institute of Neuropsychology and Neurosciences, Amity University, UP as a part of the International Brain Research Organisation (IBRO)-DANA foundation funded Brain Awareness week on November 11, 2021.
- Organised International workshop on 'Science Communication and the Art of Writing about Science' jointly with the Department of Biomedical Science on October 9, 2021. Dr. Anusha Krishnan, Science Writer and Editor was the resource person. Dr. Shalini Sehgal, Dr. Sandeep Kumar, Dr. Premalata Meena, Dr. Shailja Singh and Dr. J. Dinakaran was the organising term member.
- Organized International webinar on 'Career Opportunities in Financial Engineering'" jointly with the Department of Computer Science on September 30, 2021. Mr. Jacob Gallice and Ms. Fiona Taft, Haas School of Business, University of Berkeley, USA were the resource persons. Dr. Uma Dhawan and Mr. Bhavya Deep were the convener and Dr. Shailja Singh and Ms. Vineeta Goswami were the coordinator of the webinar.
- Organized a Workshop on 'Curriculum Vitae (CV) Writing' jointly with the Department of Microbiology on April 17, 2021. Mr Shubham Singh, Program Executive, Centre for Cellular and Molecular Platforms, Bengaluru and Distinguished Alumnus, Department of Microbiology (Batch 2013-16) was the resource person.
- Organized an online Career Assessment Test jointly with GUS Global Services, Pearl Academy and UPES during April 14-16, 2021.

EQUAL OPPORTUNITY CELL

(Convener: Dr. Pawas Goswami)

- Organised a counselling session on the theme of 'Mental Health and Wellness' in collaboration with Vision Divyang Foundation on February 5, 2022 in online mode. Mr. Mukesh G Gupta, Chairperson, Vision Divyang Foundation, interacted with the students in a very congenial and informal manner and gave them lifestyle tips for a stress-free living in this program.
- College signed an MoU with Vision Divyang Foundation, a non-governmental organization working for the benefit of divyangjan on November 23, 2021.

NATIONAL SERVICE SCHEME CELL

(Convener: Dr. Amit Kumar)

- Organized International webinar on 'Breast Cancer and Cervix Cancer' in association with RAGE, Dance Club of the college on the occasion of International Women's Day

on March 8, 2022.

- Facilitated participation in Slogan Writing contest run by Election Commission on March 10-31, 2022.
- Facilitated college participation in National read the preamble of Constitution of India on the occasion of Constitution Day on November 26, 2021.
- Facilitated Freedom Run across the country as part of Azadi Ka Amrut Mahotsav-India@75 from August 13-October 2, 2021.
- Celebrated NSS day by organising National webinar on ‘Cancer Prevention & Palliative Care’ in association with Dharamshila Cancer Cure & Prevention Center on September 24, 2021.
- Celebrated Swachhata Pakhwada by organising an online campaign through poster/slogan/photography from August 1-15, 2021.
- Facilitated college participation in National Youth Award Function organized by Ministry of Youth Affairs and Sports on August 12, 2021.
- Organised the online Session on ‘YOGA for Everyone’ on the occasion of International Yoga Day on June 21, 2021.
- Facilitated and launched the YOGA programme named ‘SURYATHON’ for the collection of contributions for Children who lost parent(s) in Covid pandemic on June 15, 2021.
- Organized National webinar on ‘Wildlife Conservation Issues’ in association with Humane Society International/India on the occasion of World Environment Day on June 5, 2021.
- Organized in-house pledge ceremony on the occasion of World No Tobacco Day on May 31, 2021.
- Organized National webinar on ‘Covid-19: Immunization Awareness’ on the occasion of National Vaccine Festival on April 14, 2021.
- Organized National webinar on Covid-19: Precautions & Cure in association with Youth for Sewa (Regd.) on April 10, 2021.
- Facilitated participation in Ganga Quest 2021, National Mission for Clean Ganga, Ministry of Jal Shakti from April 7-May 8, 2021.
- Organized in-house Essay/Slogan writing event for students on the occasion for launch of National *Azadi Ka Amrit Mahotsav* from March 12-April 5, 2021.

NORTH EAST CELL

(Convener - Dr Sonia Salam)

- Organized an essay writing competition on innovative ideas on creating livable planet earth on July 27, 2021.

TRAINING AND PLACEMENT CELL

(Convener: Dr. Manoj Tiwari)

- Organised a placement activity on February 8, 2022 for Coriolis Technologies.
- Organised an internship cum placement activity for Sarabhai IT on February 2, 2022. Six students were selected for placement cum internship.

WOMEN DEVELOPMENT CELL

(Convener - Prof. Geeta Mongia till 20 July 2021; Prof. Eram S Rao)

- Organized a webinar on PCOS awareness in collaboration with *Sachhi Saheli* and Menstrual Café. Dr. Veena Tripathi (Gynecologist) was the resource person. Event was held on February 5, 2022.
- Organised a workshop on 'Menstrual Health and Hygiene' for student volunteers of Women Development cell on January 22, 2022.
- Launched 'Project Protshahan' in collaboration with *Sachhi Saheli* and Menstrual Café under the umbrella Project of WDC 'Sehat Aur Swachta' a community outreach initiative for women supported by SBI at the college on January 6, 2022.
- Launch of Menstrual Café in online mode in collaboration with *Sachhi Saheli* in presence of chairperson Madhuri Varshney on July 16, 2021.
- Organized Nari Utsav21 on the 'Celebration of International Women's Day' organized by Women Development Cell, Bhaskaracharya College of Applied Sciences, University of Delhi held on March 8, 2021.

CLUBS

ASTRONOMY CLUB

(Convener: Dr. Herendra Kumar)

- Organized a webinar on 'Tornadoes and Typhoons in the Space-Time Geometry' in collaboration with the Department of Physics on February 15, 2022. Prof. Patrick Das Gupta, Department of Physics and Astrophysics, University of Delhi was the speaker of the event.
- Organized an online quiz competition on 'Astronomy Physics' on February 9, 2022.

CAPABILITY ENHANCEMENT AND LITERARY CLUB

(Convener : Dr. Satyawati)

- Organised an inter-college, bilingual essay-writing competition on 'Electoral Process in India' in collaboration with the District Election Office, Southwest Delhi on November 26, 2021.
- Organised an inter-college essay writing competition on 'Literature that inspired freedom fighters' from September 20 -30, 2021.
- Organised an intra-college capability enhancement training programme for non-teaching/MTS staff for one month on 'English Skill Enhancement' from September 8-October 8, 2021
- Organised an inter-college essay competition on 'Role of Teachers in making India' on the occasion of teacher's day from August 22 - September 5, 2021.
- Organised a picture-based writing competition 'Picturesque' from March 26- April 2, 2021.
- Organised an Inter-college event 'Litrovoke'- a bilingual literary competition on March 3, 2021.

DANCE CLUB

(Convener: Dr. Neeru Bhagat)

- Organized International webinar on 'Breast Cancer and Cervix Cancer' on the occasion of International Women's Day in collaboration with National Service Scheme of the college and Dharmshila Cancer Foundation and Research Centre (DCFRC) on March 8, 2022. The resource person was Dr. Pragya Singh, Sr. Manager - Projects, DCFRC.
- Organised five online Dance sessions 'Nritya Kala' starting from on every Saturday January 29, 2022 to February 26, 2022. The resource persons for these sessions were students of the Dance club.
- Celebrated Republic Day online under the umbrella of ECA committee in which students presented a group dance video prepared from collage of solo dance videos and dance videos of winners of Nritya Utsav on January 26, 2022.
- Organised online Solo Dance competition 'Nritya Utsav' under Azadi ka Amrut Mahotsav on January 22, 2022.
- Organised an Intra-college Solo Dance competition 'Taal: The Poetry of Foot' in the month of November 2021.
- Organised 'Dil Hai Hindustani' as part of celebrating 75 years of Independence 'Azadi ka Amrut Mahotsav' by the ECA committee on August 15, 2021.

DEBATE CLUB

(Convener: Dr. Satyam Ravi Dwivedi)

- Organized an Inter-college online Workshop on ‘Find Your Ikigai: Japanese way of life proven for longevity’ on February 23, 2022.
- Organized Inter-College online debate competition on ‘Is Social Media the Fourth Pillar of Democracy?’ on November 12, 2021. The event was in collaboration with NSS Cell of the college under the guidance of the Office of Electoral Registration. Mr. Devender Shokeen - Assistant Electoral Registration Officer District Election Office, South-West Delhi graced the event.
- Organized an Intercollege extempore competition on Gandhian Values in collaboration with THE GANDHIAN STUDY CENTER of the college on October 13, 2021.
- Organized an Inter-college online debate competition ‘Can India Afford to be the Peacemaker in The Emerging World?’ on September 21, 2021

DRAMATICS CLUB

(Convener: Dr Anjali Saxena)

- An exclusive premiere of the short film ‘Drishtikon: India’s scientific journey’ was cast on Google Meet under the celebration of Azadi ka Amrut Mahotsav by Darpan, the dramatics club, film club and Film Odyssey of the college on October 10, 2021.
- Organized an Intercollege Mono Act Competition: Ehsaas by Darpan- on October 11, 2021
- Organized a National Webinar on Organic Theater entitled “जैव-ऐ-रंगमंच” on July 24, 2021

ECO CLUB

(Convener: Dr Gunjan Sirohi)

- Organized ‘Tree Census Drive’ in association with the Department of Botany of the college on March 26, 2022.
- Organized workshop on ‘Making of Herbal Colours’ in association with the team of Lakshya-A Society for Social and Environmental Development on March 16, 2022.
- Organized Visit to ‘Plastic Recycling Plant’ in Noida, Uttar Pradesh in association with Department of Polymer Science of the college held on March 10, 2022.
- Organized International webinar on ‘Plastic Brand Audit’ in association with Lakshya-A Society for Social and Environmental Development on March 6, 2022. Ms. Ashpreet Kaur, Senior Research Scholar in the Interdisciplinary Ecology University of Florida, USA was the speaker of the webinar.

- Organized an outreach awareness campaign on ‘Plastic litter free Delhi’ to encourage 4Rs-Reduce, Reuse, Recycle & Recover to make circular economy possible in association with Lakshya-A Society for Social and Environmental Development in the college campus and at DDA-Park, Sector -2, Dwarka, New Delhi on February 14, 2022.
- Organized online workshop on ‘Vermicomposting’ on February 12, 2022. Mr. Rana Chetan Singh, Co-founder and Director of Bioforest Ekyam Pvt. Ltd. was the resource person of the workshop.
- Organized National webinar on ‘Energy: Conservation, Loss in Value and Way Forward’ on the occasion of National Energy Conservation Day on 14 December, 2021. Prof. Rajesh Khanna (President NIIT University, Rajasthan & Professor of Chemical Engineering at Indian Institute of Technology, Delhi) was the resource person of this webinar.
- Organized ‘Eco friendly and Melodious Deepotsav’ in the college on November 03, 2021.
- Organized play and essay writing competition on the occasion of ‘Wild life Week’ from October 2-8, 2021.
- Organized online poster making competition under the themes of Ozone layer protection and Global Warming on the occasion of ‘World Ozone Day’ on September 16, 2021 at Kendriya Vidyalaya, Dwarka Sector-5, New Delhi.
- Organized outreach Awareness Campaign on ‘Beat Single Use Plastic Pollution’ held at DDA-Park, Sector -2, Dwarka, New Delhi on September 9, 2021.
- Has adopted a school Kendriya Vidyalaya, Sector-5, Dwarka New Delhi to create environment protection awareness among students and staff of the school on September 1, 2021.
- Conducted Plantation Drive based on the theme ‘Plant a Tree Around Us & Save Environment’ from September 1-7, 2021.
- Conducted Paper recycling activity in the college on August 18, 2021.
- Organized online poster-making and slogan-writing competitions on the theme “To spread awareness about ‘SAVE TIGER’ movement on the occasion of International Tiger Day on July 29, 2021.

FILM CLUB

(Convener: Dr. Shweta Dua)

- Organized film Screening on ‘Why do we celebrate Republic Day’ on January 26, 2022.
- Organized Film Screening competition on ‘Drishtikon: India's Scientific Journey’ on October 3, 2021.

MODERN AND FINE ARTS CLUB

(Convener: Dr. Amandeep Kaur)

- Organised two-hour workshop on 'ICT Skills for Lab Staff - Poster and Certificate Designing using Canva' in collaboration with the Department of Computer Science of the college on March 3, 2022.
- Organised a logo designing competition on the theme 75 years of India's independence and 25 years of college establishment on February, 17 2022.
- Organised an Intercollege Online Painting Competition on the theme of 'Major developments of India in 75 years of Independence' on August 13, 2021.

MUSIC CLUB

(Convener: Dr. Shikha Srivatava)

- Organized folk song competition in collaboration with Vivekanand Vichar Manch to celebrate Antar rashtryiya Matri Bhasha Diwas on February 25, 2022.
- Organised online workshop on sensory gardens 'Plants that Engage with our Senses' in collaboration with Garden committee on February 5, 2022
- Republic Day was celebrated with the ECA Committee under the major celebrations of Azdika Amrit Mahotsav on January 26, 2022.
- Organised event 'Sangeet-e-Kudrat' on January 2, 2022.
- Independence Day was celebrated with the ECA Committee under the major celebrations of Azdi ka Amrit Mahotsav on August 15, 2021.
- Organised a live singing competition 'AzadikeAntare' in honour of 75 years of independence and the Azadi ka Amrut Mahotsav on July 31, 2021.

PHOTOGRAPHY CLUB

(Convener : Dr. Umesh Kumar)

- Organized online workshop on 'Geo tagging' on December 30,2021. Dr. Umesh Kumar welcomed all the distinguished guests, speakers, and participants from academia.

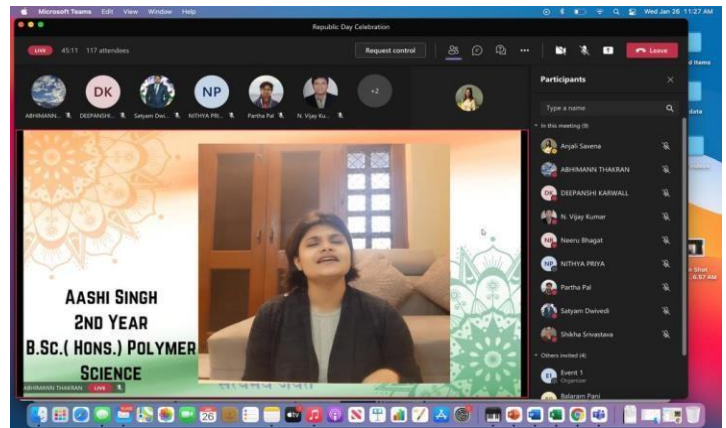
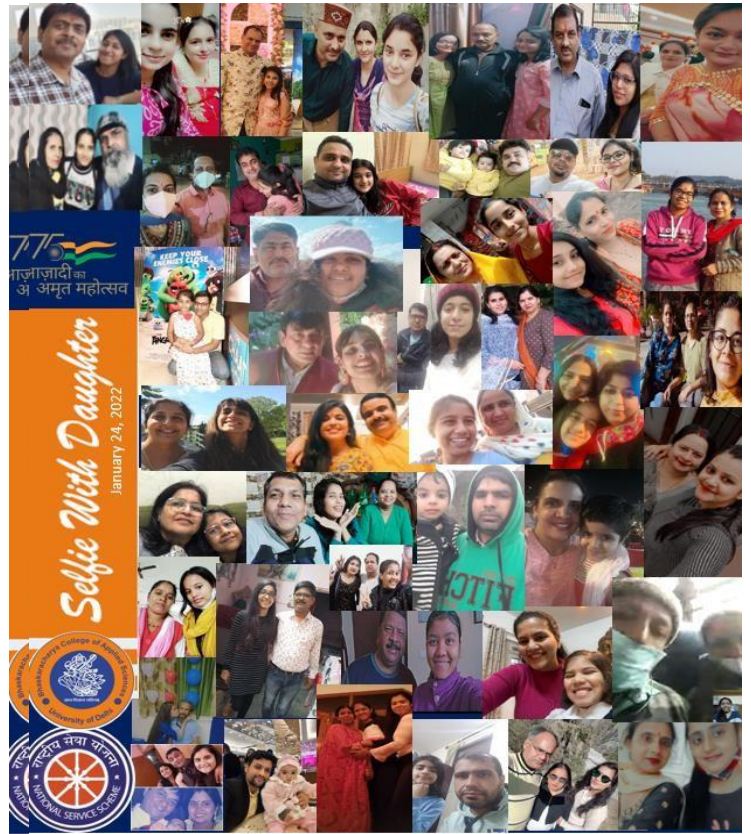
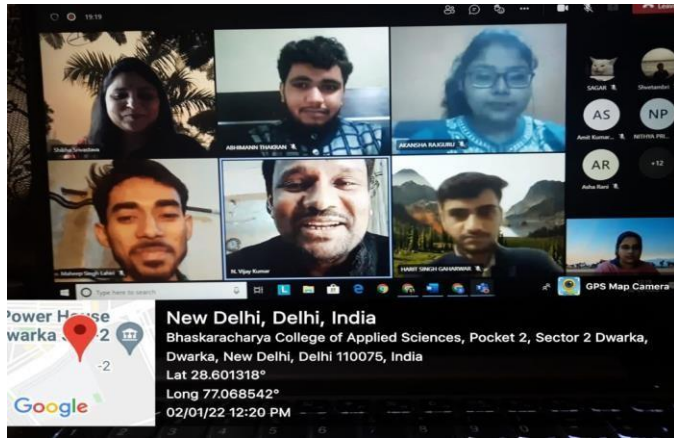
YOGA CLUB

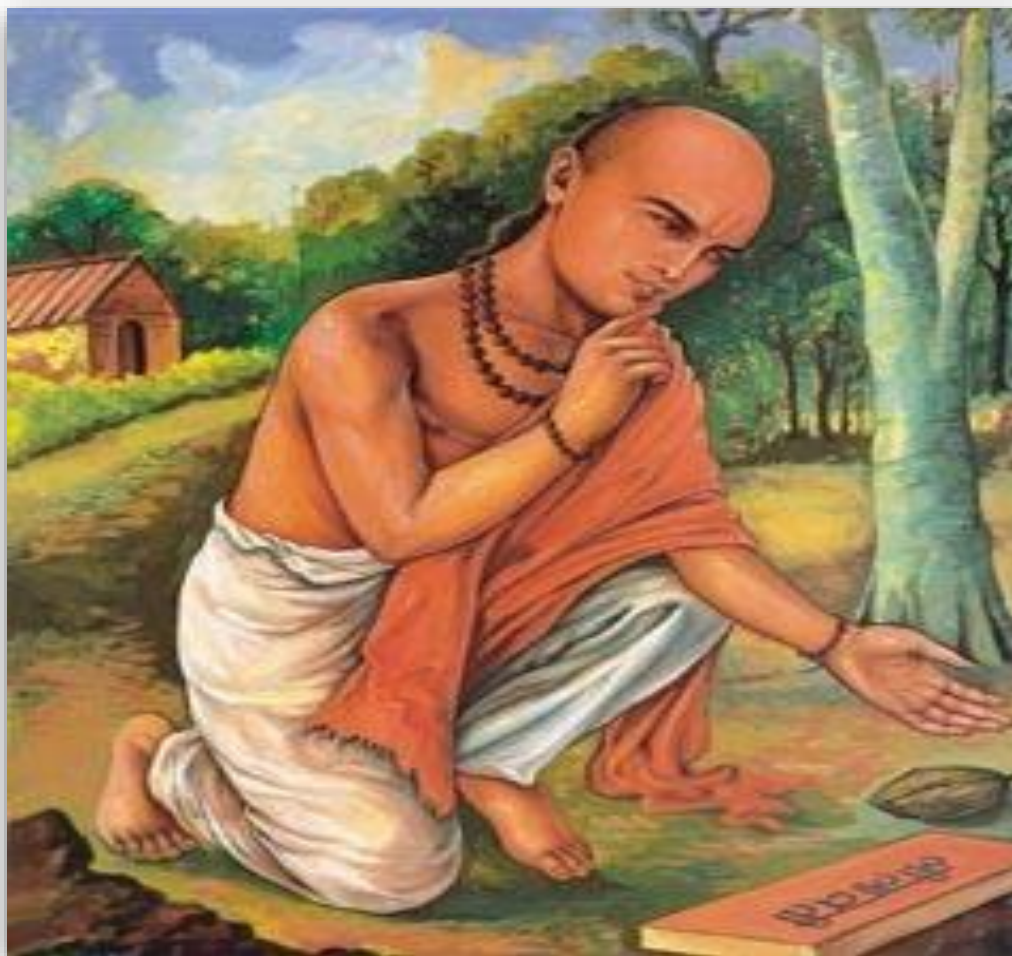
(Convener: Dr. Julie Thakur)

- Organized a '75 Crore Surya Namaskar & Yoga' program jointly with the sports committee of the college on February 3, 2022, in a blended mode. Ms. Meenakshi, a certified yoga practitioner demonstrated the Surya Namaskar, along with many other exercises.
- Organized an online 'Surya Namaskar Program' jointly with the sports committee of the college on January 26, 2022. Dr. Madan Mohan Singh Kushwaha, Associate Professor, Mansarovar Group of Institution, Madhya Pradesh was the resource person.

-----**END OF REPORT**-----







Annual Report Committee Members

Prof. Geeta Mongia

Dr. Meetu Luthra

Dr. S. K. Shukla

Dr. Vandita Gupta

Dr. Amandeep Kaur

Dr. Bholey Singh

Dr. Jayant Sharma

Dr. Julie Thakur

Dr. Laljee Ram Meena

Dr. Neeru Bhagat

Dr. Shubhra Barwa

Ms. Sonam

Convener

Co-Convener

Member

Member

Member

Member

Member

Member

Member

Member

Member

Member