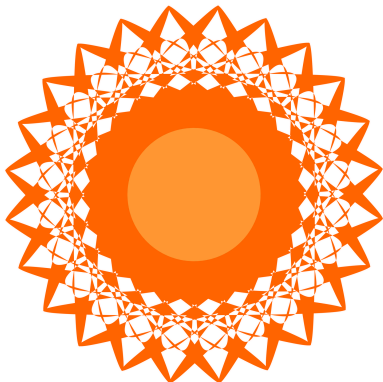




# e-Newsletter



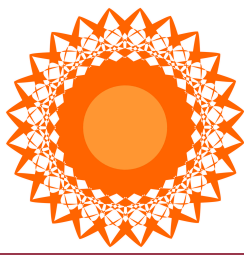
Volume 14 || Period (November 2024 - January 2025)



# BHASKARज्योति



**BHASKARACHARYA COLLEGE OF APPLIED SCIENCES  
UNIVERSITY OF DELHI**



## ONLINE FACULTY DEVELOPMENT PROGRAMME ON 'NEP ORIENTATION AND SENSITIZATION'

The Centre for Professional Development in Higher Education (CPDHE), UGC-MMTTC, University of Delhi, in collaboration with Bhaskaracharya College of Applied Sciences and Catholice College (MG University, Kottayam), organized an Online Faculty Development Programme on “NEP Orientation and Sensitization” from January 6-15, 2025. The event featured 16 distinguished speakers from 15 institutes and was attended by 151 faculty members across disciplines.

The inaugural session set the foundation with Prof. Avnish Bhatnagar emphasizing Indian Knowledge System (IKS) and the integration of traditional and modern disciplines to foster critical thinking and innovation. Prof. Raj Kumar Mittal highlighted experiential learning, vocational training, and holistic skill development to create well-rounded individuals.



Sessions by Prof. Amitabh Deo and Prof. Raj Sharan Shahi explored academic governance, leadership resilience, and institutional autonomy, emphasizing the need for curriculum innovation and global competitiveness. Prof. Pankaj Mittal, Prof. K. Ratnabali, and Prof. Naushad P. P. discussed student-centric education, Academic Bank of Credits, and outcome-based learning, ensuring flexibility and interdisciplinary exposure. Discussions on ICT in education highlighted MOOCs, SWAYAM, and Open and Distance Learning (ODL) for equitable access. Prof. S.K. Prasad focused on inclusivity, RPWD Act, and equitable learning environments. In the valedictory session, Prof. Anil Sahasrabudhe stressed on multidisciplinary learning, while Prof. Mazar Asif emphasized cultural inclusivity. Prof. Geeta Singh reiterated CPDHE's commitment to faculty development. The FDP successfully equipped educators with practical strategies to implement NEP 2020, ensuring holistic, inclusive, and globally competitive education.

## VIGILANCE AWARENESS WEEK (NOVEMBER 8-13, 2024)

CONVENER: DR. RAGINI JINDAL (PIO,BCAS)

As a constituent of the participative vigilance initiatives led by the Central Vigilance Commission, the college observed Vigilance Awareness Week with a series of engaging activities like an essay competition and poster making competition were conducted on the theme "सत्यनिष्ठा की संस्कृति से राष्ट्र की समृद्धि" (Culture of Integrity for Nation's Prosperity) aimed at fostering integrity, values of honesty and ethical consciousness among students and staff. The observance concluded with a Vigilance Awareness walkathon, coordinated by Dr. Mohit Sharma on November 18, 2024, where students and college staff came together to promote the message of transparency and accountability.



## VIJAY DIWAS

CONVENER: DR. RAMESH KUMAR

On December 16, 2024, NCC (National Cadet Corps) 7 Delhi Battalion organised 'Vijay Diwas' in the college campus. The Chief Guest for the event was Mr. Ajeet Dubey (President, International Bhojpuri Conference), special guest was Nayak Adarsh Kumar Arora (Shaurya Chakra) along with Colonel Devendra Sehrawat (Ex-Chairperson, Akhil Bharatiya Purva Sainik Sena Parishad). The event was held in order to honour the sacrifices of the Indian Armed Forces and providing cadets with valuable insights and motivation through the experiences shared by retired army veterans.



## FRESHERS 2024

The much-awaited Freshers' event was organised on November 13, 2024 as a welcome event for the admission batch of 2024. From energetic performances to engaging games for selecting the Mr. and Ms. Bhaskaracharya made the event lit. The day was a perfect blend of entertainment and camaraderie. The highlight of the event was the talent showcase, where freshers mesmerized everyone with their unique skills.



Senior students and faculty extended their warm wishes, ensuring a smooth transition into college life. With laughter, music, and new friendships blossoming, the event set the perfect tone for an exciting academic year ahead.



## ACTIVITIES BY CLUBS, CELLS & COMMITTEES

### भारतीय ज्ञान प्रणाली क्लब

CONVENER: DR. SHIKHA SRIVASTAVA

१२ नवंबर, २०२४ देव उत्थानी एकादशी के अवसर पर "प्रस्थानत्रयी: एक परिचय" विषय के ऊपर एक ऑनलाइन व्याख्यान आयोजित कराया गया। इसमें मुख्य वक्ता "डॉक्टर विजेन्द्र" थे। जो की योग एवं प्राकृतिक चिकित्सा शिक्षक एवं प्रशिक्षक के पद पर गांधी प्राकृतिक चिकित्सा समिति, राजघाट में कार्य कर रहे हैं। इस व्याख्यान में विद्यार्थियों ने सीखा की, "प्रस्थानत्रयी" हिंदू दर्शन में वेदांत के तीन मूलभूत ग्रंथों को संदर्भित करता है, "उपनिषद्, भगवद् गीता और ब्रह्म सूत्र" यह विषय वास्तविकता की प्रकृति, स्वयं और जीवन के अंतिम उद्देश्य को समझने के लिए आवश्यक हैं।



११ दिसम्बर, २०२४, गीता जयंती के अवसर पर "भगवद्गीता में कर्म योग" विषय के ऊपर एक ऑनलाइन व्याख्यान आयोजित कराया गया। इसमें मुख्य वक्ता "प्रो. ऋषि कांत पांडे" थे। जो की दर्शनशास्त्र विभाग, इलाहाबाद विश्वविद्यालय में विभाग प्रमुख, के पद पर कार्य कर रहे हैं। इस व्याख्यान में विद्यार्थियों ने सीखा की, कर्म योग एक ऐसा मार्ग है जिसमें व्यक्ति को बिना किसी अपेक्षा के, निस्वार्थ भाव से अपना कर्तव्य निभाते हुए, उसके परिणामों को उच्च उद्देश्य या ईश्वर को समर्पित कर देना चाहिए। इस प्रक्रिया के माध्यम से व्यक्ति अपने मन को शुद्ध कर सकता है और आध्यात्मिक विकास प्राप्त कर सकता है।



## ORGAN DONATION AWARENESS ACTIVITY

CONVENER: DR. LALIT KAPUR

In collaboration with the Organ Donation Committee, ECA clubs had organized various events on November 18, 2024 in order to promote awareness regarding organ donation amongst students and staff.

- Akriti – the Modern & Fine Arts Club conducted a Badge making competition. Participants were challenged to design a badge incorporating both artistic expression and a creative slogan on organ donation. The best entries were awarded based on creativity, relevance to the theme, and overall visual appeal. (Convener: DR. CATHERINE S. PAUL)

- **Confianza-** the Debate Club organized a Group Discussion on the topic "Organ donation: a moral obligation or personal choice" that witnessed some very thought provoking discussion from students of our college. Participants and attendees gained a nuanced understanding of organ donation as a moral responsibility towards the society. They became more aware of the ethical and societal implications of organ donation, potentially inspiring some to support or advocate for the moral cause. (Convener: DR. ALIVIA ROY)
- **Darpan-** the Dramatics club staged a powerful Nukkad Natak 'Nazrana' in the college amphitheater. The play delved into the taboos and religious misconceptions surrounding organ donation, shedding light on the various facets as to why people refrain from donating organs, despite it being a noble act. Through impactful dialogues and expressive performances, the actors showcased how we can combat such misconceptions. (Convener: DR. KAPIL ROY)
- **Atelier-** the Capability Enhancement and Literary club in collaboration with Rage- the Dance club, organised an event to spread awareness against issues like acid attacks, gift of sight and the importance and need for organ donation. (Convener: DR. SATYAWATI & DR. ASHA)



## BIOLOGICAL AND CHEMICAL WASTE MANAGEMENT COMMITTEE

CONVENER: DR. UMA DHAWAN

Biological and Chemical Waste Management Committee organised a 'Poster Making Competition' on 'Biomedical Waste Management' which aimed to make students understand the importance of management of waste generated by us during laboratory activities and experiments. Students took the initiative and made handmade and digital posters to showcase the importance, need and the different kind of disposal activities done to manage the biomedical waste. It was an informative competition which enabled students to gain knowledge on this crucial matter.

## NATIONAL RANGOLI COMPETITION

Sukshmjeev Society of the department of Microbiology and Akriti- The Modern and Fine Arts Club in collaboration with Microbiologists Society of India (MBSI) had organized Rangoli making competition on the occasion of 'International Microorganisms Day'. The objective of the competition was to raise awareness about the microscopic world and its significance. The best three rangolis were sent for National Rangoli Competition organized by MBSI. Further, these rangolis have been selected as one of the fourteen best rangolis in UG category.



The 1st, 2nd and 3rd position holders were Meenakshi and Sonakshi Srivastava, Department of Biomedical Science, Anjali Maurya and Shagun Lalotra, Department of Microbiology and Poulami Pore and Swetlata, Department of Microbiology respectively.



## THE GANDHIAN STUDY CENTRE & CONFIANZA- THE DEBATE CLUB

The Gandhian Study Centre and Confianza- the Debate club in association with Piramal Foundation organized a debate competition on the topic "Relevance of Gandhian philosophy in current era" on January 30, 2024. The judges for the debate competition included Prof. Shalini Sehgal from Food Technology department and Ms. Nisha Sharma from the Piramal foundation. Students put forth their extraordinary debating skills with passion, wit and conviction.



## ALUMNI COMMITTEE

CONVENER: DR. RAGINI JINDAL

The Alumni Meet and Annual General Committee Meeting of the BCAS Alumni Society were held at the college premises on December 21, 2024. Prof. Balaram Pani, Dean of Colleges at the University of Delhi, graced the occasion as the Special Guest. Prof. Pani highlighted the efforts undertaken for the Alumni Society's registration and the expected outcomes from the Society. Prof. Avneesh Mittal, Principal of BCAS, delivered the welcome address. The Alumni Meet saw overwhelming participation from over 100 alumni and faculty members. Alumni shared fond memories and reflected on the significant role the college played in shaping their lives. Alumni who had completed over 25 years since graduation were felicitated. The event's festivities included fun games, mementos, and lunch hosted by the Alumni Society. The event was a resounding success, fostering connections and strengthening bonds. The new office bearers of the Alumni Society are: President: Dr. Divya Aggarwal Secretary General: Ms. Sumeet Deewan Treasurer: Mr. Manish



## DEPARTMENTAL ACTIVITIES

### DEPARTMENT OF MICROBIOLOGY

TEACHER-IN-CHARGE: DR. VIJAY NALLA

The Sukshmjeev Society organized a series of skill development and capacity-building activities for students, fostering both scientific knowledge and practical skills.

- On November 09, 2024, an online workshop on Canva Designing was conducted in collaboration with Akriti- The Modern and Fine Arts Club, featuring Mr. Kuntak Saha (Batch 2021-2024) as the resource person.
- A scientific Symposium was held on November 11-20, 2024, where third-year students presented research papers on diverse microbial applications, enhancing their presentation and scientific reasoning skills.
- An Interdepartmental Scientific Poster presentation competition took place on November 18, 2024, in collaboration with the Department of Environmental Sciences, encouraging creativity and deeper comprehension of scientific concepts.
- On November 21, 2024, the society co-organized the Interdepartmental Environmental Ideathon, focusing on BioE3 (Biotechnology for Economy, Environment, and Employment), where students proposed solutions to environmental challenges.
- Students enrolled in the SEC course "Bioinoculants for Agriculture and Sustainable Development" visited the Department of Microbiology at IARI, New Delhi, on November 18, 2024, gaining insights into bioinoculant preparation and applications.
- As part of an alumni interaction series, Dr. Prateek Bhardwaj (Batch 2009-2012), Postdoctoral Associate at Yale School of Medicine, USA, delivered a talk on "Targeted Drug Discovery and Delivery: The Two Pillars of Precision Medicine." He emphasized the importance of clinical research and novel drug delivery systems in cancer treatment, inspiring students to explore this dynamic field. These initiatives successfully enhanced students' scientific acumen, technical skills, and interdisciplinary engagement, contributing to holistic learning.

### DEPARTMENT OF BIOMEDICAL SCIENCE

TEACHER-IN-CHARGE: DR. SHIVANI G. VARMANI

DNAmics, the society of Department of Biomedical Science organised an "Alumnus Interaction and Lecture" on January 09, 2025 on the topic 'Cell Bio 2.0: Principles of Phase Separation and redefining biological understanding. The invited alumnus was Dr. Prashant Rawat from the 2015 batch. The lecture was followed by an interactive Q&A session. The talk deeply resonated with students, offering them a sense of motivation and direction for their future endeavors.



## DEPARTMENT OF MATHEMATICS

TEACHER-IN-CHARGE: DR. NEERU SHARMA

On December 22, 2024, the Department of Mathematics organized a webinar exploring the legacy of Srinivasa Ramanujan, the history of mathematics, and its real-world applications. The keynote speaker, Prof. Preeti Dharmarha from Hansraj College, University of Delhi, captivated students and faculty with her insights into mathematical intuition, innovation, and its significance in daily life. The session helped us in realizing the genius of Srinivasa Ramanujan and the session was engaging, informative, and inspiring for one and all.

## DEPARTMENT OF ZOOLOGY

TEACHER-IN-CHARGE: PROF. SIDHARTH SIROHI

Department of Zoology organized the first Prof. Anil Kumar Bali Memorial Lecture on January 21, 2025. The seminar was fondly attended by Dr. Neelam Bali, wife of Prof. Bali. Dr. Manoj K. Sharma, a distinguished scientist from School of Biotechnology, JNU, was invited as the resource person. The title of the lecture was 'Development of Plant Based Veterinary Vaccine against Anthrax: Recent Developments and way forward'. Dr. Sharma explained how plants are being used to produce the protective antigen (PA) of anthrax, a crucial component in vaccine development while discussing the key advancements in the field. The seminar was a very apt tribute to the rich and prestigious academic legacy left behind by Prof. Bali. Another seminar on 'The Pollution Causing Harmful Algal Blooms (Habs)' was organized on November 18, 2024 by Prof. Binoy T. Thomas, Head of the Department of Botany, Catholicate College, MGU, Kerala. Prof. Thomas possesses extensive expertise in microalgae research, encompassing their diversity, ecology, and potential applications.



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PROF. VANDANA BATRA, PROF. INDERBIR KAUR, DR. ANITA SONDHI, DR. ALIVIA ROY, MS. MANISHA THAKUR,  
DR. SHAILJA SINGH, DR. SATYAWATI; SOUBHAGYA, BHUMIKA AND MEENAKSHI  
BHASKARACHARYA COLLEGE OF APPLIED SCIENCES, UNIVERSITY OF DELHI  
SECTOR-2, PHASE-1, DWARKA, NEW DELHI-110075