

"Perform all work carefully,
guided by compassion."
-Ved Vyasa (The Bhagvad Gita)

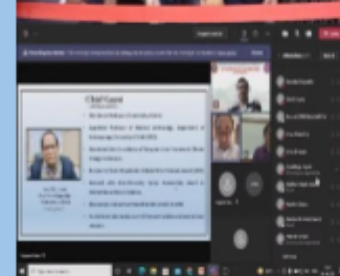
bhaskar ज्योति

Volume 7
E-Newsletter, BCAS January 2022
ई-समाचार पत्रिका

Period (August 15, 2021 - December 31, 2021)

General Information

- Prof. Avneesh Mittal, Department of Electronics joined as the Acting Principal of the college on December 17, 2021.
- 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.
- Environment, Green and Energy Audit of the college has been completed successfully in December 2021.
- Dr. Geeta Mongia, Dr. Eram Rao and Dr. Uma Chaudhry promoted to the next academic level AL 14 i.e. Professor in their respective Departments.
- Dr. Uma Dhawan, Associate Professor Department of Biomedical Sciences received the prestigious INSA teacher's award.
- The college obtained National Institutional Ranking Framework (NIRF) Rank#32 in the College category and at 16 of the 28 DU colleges in top 100 colleges all across India.
- The college had applied for the India Today ranking and obtained 60 rank under the category of Best Science Colleges.
- The college celebrated its 24th Annual Day in the online mode on October 9, 2021. Hon'ble Pro Vice Chancellor Prof. P.C. Joshi was the Chief guest for the occasion and Prof. Suman Kundu, Director University of Delhi, South Campus, was the Guest of Honour. The event was presided by Prof. Subho Mazumdar, the Chairman Governing Body. He congratulated all the staff members and the team lead by Prof. Eram S. Rao.



Memorandum of Understanding (MoU)

- The college has entered into an MoU with National Institute for Immunology, DBT for Science Setu programme.
- The Nutrition Alchemy, Mumbai has also signed an MoU with the college for internship program.
- The college has entered into a MoU with 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 Fibres funded by the Ministry of Textiles (Government of India) under prestigious National Technical Textile Mission (NTTM). The duration for MoU will be 3 years.



Short Term Courses (STC)

STC on 'Youth and Climate Change'

The college has completed a 40 hr online STC on Youth and Climate Change organized in association with LAKSHYA during October 03 – 17, 2021.



STC on 'Innovative Packaging and Sustainability'

The college has completed a 40 hr online STC on Innovative Packaging and Sustainability in collaboration with Foundation for Innovative Packaging and Sustainability (FIPS), Mumbai.



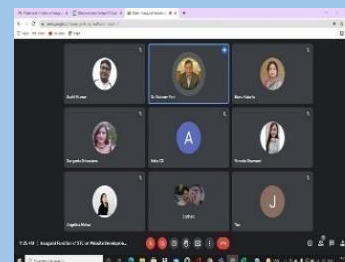
STC on 'Immunological Techniques and their Applications'

The Department of Zoology of the College has completed an online STC on "Immunological Techniques and their Applications" in collaboration with the Department of Zoology, University of Delhi from October 22- November 09, 2021. 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.



STC on 'Website Development Techniques'

The Department of Computer Science of the College has organized STC on "Website Development Techniques" in collaboration with Apkesolutions LLP from October 22 - December 05, 2021.



STC on “National Education Policy (NEP-2020)”

The college has organized a Short Term Course (STC) during October 20 – 26, 2021 on implementation of National Education Policy (NEP-2020) with a broader theme

on “राष्ट्रीय शिक्षा नीति 2020 द्वारा नवभारत निर्माण” or “Making of Nav Bharat Through NEP-2020” in association with Centre for Professional Development in Higher Education (CPDHE), UGC-HRDC, University of Delhi. The STC was appreciated by The Hon’ble MoS Ministry of Education Dr. Subas Sarkar and Hon’ble Vice Chancellor Prof. Yogesh Singh.



STC on Innovative Teaching Methodologies and use of ICT in teaching

The college has organized a UGC sponsored STC in association with Centre for Professional Development in Higher Education, Human Resource Development Centre University of Delhi, during December 15 – 21, 2021 on the topic Innovative Teaching Methodologies and use of ICT in teaching

Faculty Development Programme: Youth and Climate Change

The college has completed a 7 days Faculty Development Program on Youth and Climate Change organized in association with Catholicate College, Mahatma Gandhi University, Kottayam Kerala under the Pandit Madan Mohan Malviya National Mission for Teachers and Teaching scheme of the Teaching Learning Centre, Ramanujan College University of Delhi, during October 27 – November 3, 2021.



- **Research Article Published:**

Mittal A., Gupta K., Pani B., Kumar G., Ram B., Gopala, Godara, Kumar S., Nain R., Sirrohi S. Silver Nanoprism for Selective and Sensitive Detection of Hg⁺² ions. Journal of Nanoscience and Technology. <https://doi.org/10.1166/jnn.2021.19529>

Departments

Department of Biomedical Science

- Seven students of the Department of Biomedical Science: Tanmay Devgan, Avi, Deva Singh, Pranshu Tyagi, Rahul Pal, Ramesh Munda and Ashima Jha have been awarded the "Swachhta Saarthi Fellowship (SSF) 2021" spearheaded by The Office of the Principal Scientific Adviser to the Government of India, housed at Invest India in July 2021.

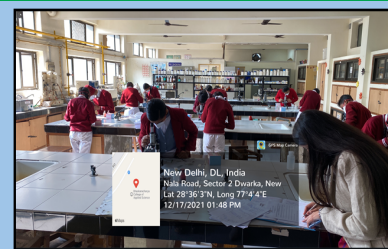
- Ashima Jha, a student of Department of Biomedical Science represented as an official delegate in the Arab Youth International MUN held at Dubai from 17th -20th September 2021. She has also won two prestigious awards in the International conference: Best Delegate of UNEP Committee and Best Delegate of the conference. She 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 22nd- 24th October 2021, also invited as the KeyNote Speaker on the topic Biomedical Waste Management organized by Solly Bliss Foundation, Cameroon on September 25, 2021 and as a keynote Speaker by International Internship University (IIU) in International Conference on Climate Change held at 6th September 2021.
- Sarah Navaz, a student of Biomedical Science got a special mention in an inter college Doodle art competition organised by the Department of Microbiology, Gargi College, University of Delhi on the topic “The achievements of any one of the following scientists; Louis Pasteur, Robert Koch, George Snell”.
- Diya Dutta, a student of Biomedical Science secured third position in the English category of the event “Kalam baazi” organized by Rotaract club of Ballygunge Greens. She also co-authored the Anthology “The Journey of Selfless Soul Sacrifice” compiled by “Nikita Sharma and Neha Marwaha” under ISBN 978-93-91280-03-1 presented by JEC publication.
- The Department of Biomedical Science and Career Counselling Cell of the college in association with Amity Institute of Neuropsychology and Neurosciences, Amity University, NOIDA organized Brain Awareness Day at BCAS, University of Delhi on November 11, 2021 as a part of the International Brain Research Organization (IBRO)-DANA foundation funded Brain Awareness week.



Department of Botany

Phytopmics- The **Botanical society** of our college under the Department of Biotechnology, Star College Scheme, organized the following events:-

- Workshop cum outreach activity for rural school students of Sant Kirpal Model Senior Secondary School, Delhi. The title of the event was ‘Fostering Scientific Temperament: Vision 2021-22’ which was held on December 17, 2021. The prime objective of the outreach activity was to ignite the young minds and generate interest in the field of science and technology.



- Eco-friendly-rangoli competition on the occasion of Diwali, November 04, 2021. The themes of the event were ‘Fight against corona or Indian Sanskriti’. The goal of the event was to generate interest amongst participants about the culture of India and awareness against corona in a creative way.



- A collage-making competition on the occasion of Gandhi Jayanti, October 02, 2021. The theme of the event was ‘Mahatma: Father of the Nation’. The event was organised to shed light on the moral values preached by Mahatma Gandhi.

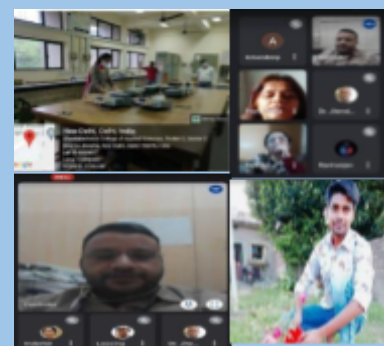


- National webinar entitled ‘Present and Past Scenario of Ozone Depletion: Consequences and Montreal Protocol’ to commemorate International Ozone Day on September 16, 2021. Dr. Richa Rai, Senior Scientist from Plant Ecology and Climate Change Sciences Division, CSIR-National Botanical Research Institute (NBRI), Lucknow delivered an interesting talk.



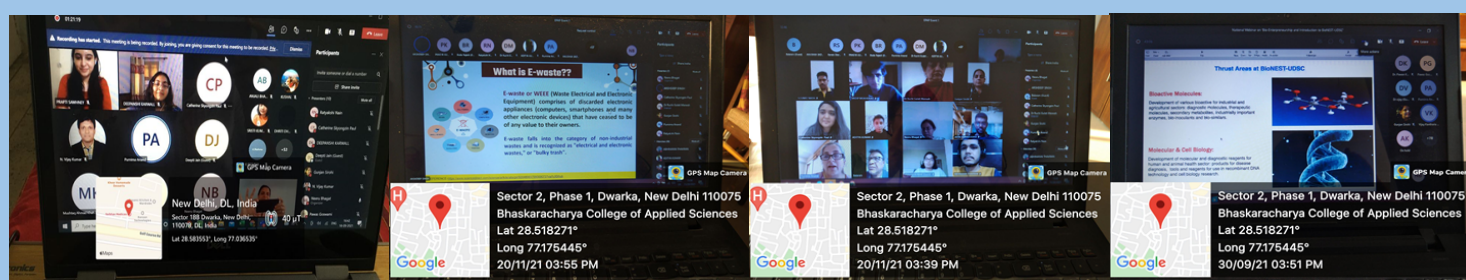
Department of Electronics

- The Department of Electronics organized a webinar on ‘Recent Trends in Organic Electronics and Displays’ on September 17, 2021. The guest speaker Prof.(retd.) P.K Bhatnagar, Department of Electronics, University of Delhi, highlighted the use of OLEDs, a new innovation in display technology and how their striking properties give them an upper hand over LCD.
- The Swachhta Pakhwada was celebrated on September 1, 2021 in the department. The event included a Swachhta Pledge Ceremony which was conducted in the hybrid mode via MS-Teams. The pledge ceremony was then followed by the cleanliness drive in the department. Few department students also planted saplings in the park/gardens near their residence.
- The department, in collaboration with the Alumni Committee, organized an online Alumni Interaction Session on November 12, 2021. The speaker motivated the students to make early choices in their career to obtain success in life.



Department of Microbiology

- The Department of Microbiology organized several activities including lectures and workshops. Two international webinars were organized in which Dr. Ashish Jain (Salesforce, Cambridge) and Dr. Deepti Jain (RCB, Faridabad) delivered lectures on September 6 and 18, 2021 respectively.
- Two workshops, on the theme of Astrobiology and Industrial Microbiology were conducted in collaboration with Spaceonova and IIIM, Jammu respectively.

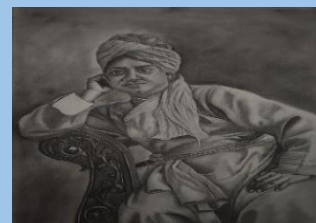


- Students from the department are working on the Environment Protection and Awareness Program (EPAP). Presentations of various groups from EPAP were conducted from November 20-27, 2021.
- Three national webinars were conducted on Drugs, Entrepreneurship and Cancer on September 3, September 30 and October 1, 2021.

Cells and Committees

Vivekanand Vichar Manch

In October 2021, *Vivekanand Vichar Manch* organized a plethora of national events, namely, Debate competition jointly with the Department of Microbiology on the theme 'Is technology bringing people together?', Portrait making competition on theme 'Portrait of Swami Vivekananda', Slogan writing competition on theme 'Self-reliant India/आत्मनिर्भर भारत', Poster making competition jointly with the Department of Mathematics on theme 'Dream India of Swami Vivekananda/स्वामी विवेकानंद के सपनों का भारत', Webinar in collaboration with the Women Development Cell on 'Empowered Women=Stronger Nation' by inviting Sh. Vikrant Khandelwal, Organizing Secretary, Bharat Vikas Parishad.

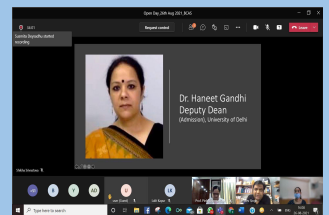


Women Development Cell

As we are entering the 75th year of our independence, we strongly believe in the concept of empowered women. It is our belief that the empowerment of women leads to a stronger nation. On the birth anniversary of Sister Bhagini Nivedita on 28th October 2021, a national online seminar was organized on the topic ‘Empowered Women = Stronger Nation’.

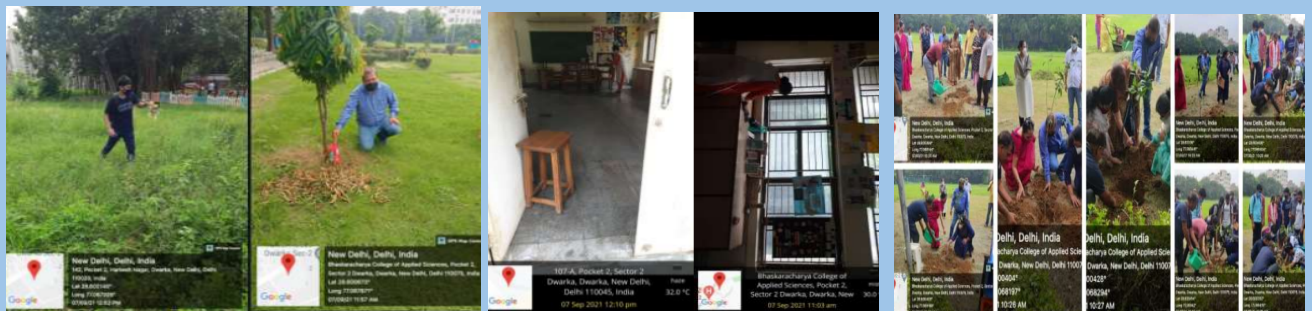
Student Advisory Committee

The ‘Student Advisory Committee’ organised Open day in association with the Admission Committee. Representatives from the University of Delhi were present as the panelists. The Committee also organized Orientation day on November 2, 2021.



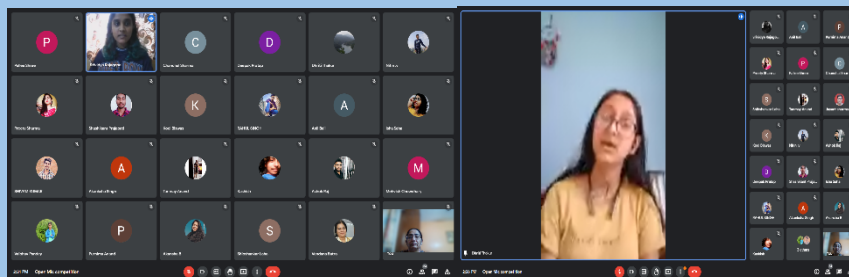
Swachhta & E-waste Management Committee

The Swachhta Pakhwada 2021 was observed from September 1-15, 2021. Due to the ongoing Covid-19 pandemic, Swachhta Pledge was conducted in a hybrid mode with active participation of various stakeholders. The campaign included plantation and cleanliness drive in the college campus, collecting trash and plastic bags scattered around within the college campus as well as at their homes and workplaces.



A webinar was organized by the committee along with the Biological & Chemical Waste Management Committee on September 15, 2021. Prof. Maharaj K Pandit, Department of Environmental Studies, University of Delhi delivered an enlightening talk.

Gender Sensitization Committee



An inter-college online open mic competition on the theme 'Gender Sensitization' was organized by the Gender Sensitization Committee on November 13, 2021. Winners were Dhriti from Miranda House (1st position) and Tanmay Anand from BCAS (Second Position). The event aimed to encourage students to fight against gender inequality and stereotypes and move towards a better society.

Clubs

Eco Club

Eco club organized 'Paper recycling workshop' in the college on August 18, 2021. A plantation drive based on the theme 'Plant a Tree Around Us & Save Environment' was also organized by the club. Eco Club has adopted a school Kendriya Vidyalaya, Sector-5, Dwarka New Delhi-110075 to create environment protection awareness among students and staff of the school.



An outreach awareness campaign on 'Beat Single Use Plastic Pollution' was organized at DDA-Park, Sector -2, Dwarka. 'Swachhta Pakhwada' was observed and pledge was taken on September 1, 2021. Eco club also celebrated 'World Ozone Day 2021'. 'Wild life Week' from October 2-8, 2021 was also celebrated wherein essay writing and play competitions were organized. Eco-friendly and melodious 'Deepotsav' was organized in the college on November 3, 2021. A national webinar on the occasion of 'National Energy Conservation Day' was organized on 14 November, 2021.



Film Club

An exclusive premiere of the short film 'Drishtikon: India's Scientific Journey' made by the students of the college was casted on October 3, 2021 as a part of the celebration of Azadi ka Amrut Mahotsav by Odyssey, the Film club and Darpan, the Dramatics club. The short film celebrated 75 glorious years of India's independence through three era-defining acts of scientific discovery. Based on the true stories, the film displays the struggles of Dr. Radha Pant - the first woman to be accepted into a Science course, University of Delhi, Dr. Rajagopalan Vasudevan - the Plastic Man of India and Dr. A. P. J. Abdul Kalam - the Missile Man of India.

