

Outreach Activities (2021-22)

Biomedical Science	
S. No.	Activity
1	Dr Rimpay Kaur Chowhan delivered talk on “Operation of GeM Portal ” at National workshop on “Skill enhancement of Non-teaching staff” on July 19, 2022.
2	Dr Satendra Singh, Dr Rimpay Kaur Chowhan and Dr Ritu Khosla delivered talk on “Working of electrophoresis and Centrifuge machine” at National workshop on “Skill enhancement of Non-teaching staff” on July 14, 2022.
3	Dr Satendra Singh, Dr Rimpay Kaur Chowhan and Dr Ritu Khosla delivered talk on “Document Verification” at National workshop on “Skill enhancement of Non-teaching staff” on July 13, 2022.
4	Prof.Urmi Bajpai delivered a talk on “Computational Mining of Bacteriophage Genomes for Antibacterial Agents, organized by Department of Computational Biology, Indraprastha Institute of Information Technology (IIIT), Okhla Phase III, Delhi on July 1, 2022.
5	Prof. Urmi Bajpai delivered a talk on “Antibiotic Resistance: A silent epidemic”, at the SERB sponsored seminar on Drug Resistance: Causes and Challenges Ahead, organised by Noida Institute of Engineering and Technology (Pharmacy Institute), Greater Noida on June 11, 2022.
6	Prof.Urmi Bajpai delivered an online talk on “Bacterial infections, antibiotic resistance and prospects of phage lysins as a new class of antimicrobials” in the Biotechnology Lecture Series, organized by Department of Biotechnology, Cochin University of Science & Technology, Kochi, Kerala-682022 on April 12, 2022.
7	Prof. Urmi Bajpai delivered talk in the Webinar on “Bacteriophages and encoded lysin enzymes as potential therapeutics” organized by Emerging Biopharmaceutical Manufacturers (EBPMN), and International Bacteriophage Research Consortium (IBRC) on December 03, 2021.
8	Prof.Gagan Dhawan delivered talk on 13th annual conference on Advances in Cell and Tissue Culture 2021 (ACTC 2021), on topic “Exploring the effect of polydopamine-aminoglycoside nanoconjugates for combating bacterial biofilms and augmenting cell migratory effect” on November 03, 2021.
9	Dr Sunita Jetly as state blood cell Coordinator organised a Webinar and Screening program for thalassemia in NSUT, Gargi College and BCAS, DU on October 29, 2021.

10	Dr Ritu Khosla delivered talk on “Principle and working of q-PCR” at National Workshop on “Flow Cytometry and qPCR based Blood Analyses” on October 20-24, 2021.
11	Dr Sunita Jetly held the position of session chair on October 10, 2021 for one of the sessions in the International Conference on Infection and Immunity from October 08-10, 2021.

Botany	
S. No.	Activity
1	Dr Rashmi Sharma organized an interactive session at Tagore International School to familiarise students about CUET and the admission process to Central Universities with specific reference to University of Delhi and basic science courses on July 12, 2022.
2	Students from Shivaji College were trained at the Mushroom facility on lignocellulosic waste as a valuable bioresource.
3	Virtual Science Setu Programme on Viruses and Immunity for UG students by eminent scientists from THSTI on March 17, 2021.
4	Students from Shivaji College were trained at the Mushroom facility on lignocellulosic waste as a valuable bioresource.
5	GD Goenka University Student workshop

Electronics	
S. No.	Activity
1	Dr. Ravneet Kaur served as a resource person in a five-day workshop on “Development of Competency Framework and Revisiting of the Learning Outcomes in Science and Mathematics (PAC 6.01/2021-22)” held online at DESM, NCERT, New Delhi from March 7-11, 2022.
2	Ms Gauri Ghai served as a resource person in a five-day workshop on “Development of Competency Framework and Revisiting of the Learning Outcomes in Science and Mathematics (PAC 6.01/2021-22)” held online at DESM, NCERT, New Delhi from February 28-March 4, 2022.

3	Dr. Ravneet Kaur delivered a lecture as a “Resource Person” on the topic Communication: Past, Present and Future on February 03, 2022, organized by Internal Quality Assurance Cell (IQAC) of ARSD College.
4	Dr. Ravneet Kaur served as a resource person in a five-day workshop on “Online Course in Teaching of Science at Upper Primary Stage” held online at DESM, NCERT, New Delhi from January 17- 21, 2022.
5	Dr. Ravneet Kaur serves as a resource person in a five-day workshop on “Online Course in Teaching of Science at Upper Primary Stage.” held online at DESM, NCERT, New Delhi from January 10-14, 2022.
6	Science Education Outreach Program and workshop on Sensor Interfacing using Arduino and TinkerCAD simulation was organised for school students from October 18-30, 2021.
7	Organised International Day of Light 2021 Celebration under the theme ‘Let your Light Shine’ on May 16, 2021.

Physics	
S. No.	Activity
1	Prof. Arijit Chowdhuri and Dr. V. Bhasker Raj were Resource Person in delivering knowledge content and conducting hands-on sessions on <ul style="list-style-type: none"> a) Generating wave shapes using Function Generators (FGs) b) Analyzing wave shapes using Digital Storage Oscilloscopes (DSOs) at the National Workshop on Skill Enhancement of Non-teaching Staff (NWSSENS – 2022) organized in commemoration of Centenary Celebrations of University of Delhi under the aegis of DBT STAR College Scheme and IQAC from July 13-20, 2022.
2	Two month long hands-on training of 05 (five) students on advanced thin film deposition and characterization equipment at Smart Materials and Devices Laboratory at Miranda House, University of Delhi, Delhi – 110 007 during June-July 2022.
3	Dr. Mamta Bhatia, Program coordinator of one week online "Women and Sustainable Business Development": International Certificate program, January 20-25, 2022 in collaboration with National Law University, Delhi and Trakya University, TURKIYE
4	Prof. Arijit Chowdhuri and Dr. V. Bhasker Raj have been coordinators for Intellectual Property Awareness program under National Intellectual Property Awareness mission (NIPAM) on January 19, 2022.
5	As resource persons of Science Adda Program, Prof. Arijit Chowdhuri, Dr. Sanjay Kumar and Dr. V. Bhasker Raj conducted hands-on demonstration of the following

	<p>experiments to school students</p> <ol style="list-style-type: none"> Total internal reflection using LASER light. To study diffraction pattern of LASER using plane transmission grating. To study diffraction pattern of LASER using plane reflection grating and measure its wavelength using a ruler as grating. To study the flow of water through narrow tube. optical experiments including total internal reflection.
6	Prof. Arijit Chowdhuri, Dr. Rakesh Sonker and Mr. Pawan Kumar were Resource Person at Hands – on workshop on Basic & Contemporary Thermal Physics, Mechanics and LASER Application. November 12-19, 2021.
7	Prof. Arijit Chowdhuri, Dr. Siddhartha and Dr. Ambika were Resource Person at Hands-on Workshop on Modern Physics. November 10-17, 2021.
8	Prof. Arijit Chowdhuri, Dr. Sanjay Kumar and Dr. V. Bhasker Raj were Resource Person at the Hands-on workshop on Digital Systems and Applications with Microprocessors and Microcontrollers organized by Department of Physics & IQAC, Acharya Narendra Dev College October 20-27, 2021.

Zoology	
S. No.	Activity
1	Dr Monica Misra, Professor Seema Makhija. Dr Neel Gagan Singh and Dr Sushma Bhardwaj organized a session on visit to Zebra Culture facility and other research facilities in the Zoology Department for the Non Teaching staff on September 17, 2022 during the NATIONAL WORKSHOP on Career and Skill Enhancement for Non-teaching Staff under the aegis of DBT STAR College Scheme and IQAC.
2-5	Dr Rahul Dev, Dr Neelgagan Singh, Mr Vineet Girdharwal and Prof Seema Makhija were Resource Person in demonstrating the following practicals to the Non Teaching staff during National workshop on Skill enhancement of Non-teaching staff (NWSSENS-2022) from July 13-20, 2022: <ol style="list-style-type: none"> Use of UV-VIS Spectrophotometer and Colorimeter Handling and Cleaning of Microscopes Calibration of Micropipettes
6	Dr Sarita Kumar delivered a talk on ‘Mendelian and Non-Mendelian Inheritance’ for the students of Department of Zoology, Punjab Agricultural University, Ludhiana, Punjab; February 23, 2022.
7	Dr Sarita Kumar delivered a talk on ‘An Overview of Animal Classification: Understanding Criteria’ for the students of Department of Zoology, Punjab

	Agricultural University, Ludhiana, Punjab; February 22, 2022.
8	Dr Rahul Dev, Dr Neel Gagan Singh and Prof. Seema Makhija were Resource Person in demonstrating “Isolation of DNA from Cabbage” to school students during the Science Adda Program held on December 13, 2021 at ANDC under the aegis of DBT STAR College Scheme.
9	An online International Outreach Program was organized to Celebrate International Microorganism Day as “MICROSPHERE 2021” by ANDC in collaboration with 10 different institutes to generate awareness about microbes to the school students on September 27, 2021. About 800 students attended the program.

Educational Visit/Industrial Visit/Excursion (2021-22)

Botany	
S. No.	Activity
1	Students visited Dhanaulti and Kanatal to gain knowledge about mushroom cultivation, ecology and herbarium.
2	Virtual Visit to Yakult Industrial Plant, Sonapat
3	Students visited Mukteshwar and Nainital and studied ecology, herbarium preparation

Physics	
S. No.	Activity
1	Organized an educational visit on May 31, 2022 for 10 students to Dr. Anjali Sharma Kaushik’s Material Science Research Laboratory in ARSD College, University of Delhi, Dhaula Kuan Enclave I, Dhaula Kuan, New Delhi, Delhi – 110 021
2	Organized an educational visit on March 03, 2022 for 10 students to Electronic Materials and Devices Laboratory, Department of Physics & Astrophysics, University of Delhi, Delhi – 110 007
3	Organized an educational visit on March 02, 2022 for 10 students to Micro-Fabrication Facility, Department of Physics & Astrophysics, University of Delhi, Delhi – 110 007

4	Organized an educational visit on February 28, 2022 (National Science Day) for 10 students to Inter University Accelerator Centre (formerly Nuclear Science Centre) Aruna Asaf Ali Marg, near Vasant Kunj, Vasant Kunj, New Delhi, Delhi – 110 067
5	Organized an educational visit on February 28, 2022 (National Science Day) for 10 students to National Physical Laboratory, Dr KS Krishnan Marg, Pusa, New Delhi, Delhi – 110 012
6	Organized an educational visit on December 26, 2021 for 10 students to Smart Materials and Devices Laboratory at Miranda House, University of Delhi, Delhi – 110 007

Zoology	
S. No.	Activity
1	A trip organized by the Department of Zoology under the aegis of DBT STAR college scheme to Sulabh International museum of toilets on April 18, 2022.
2	A trip was organized by the Department of Zoology under the aegis of DBT STAR college scheme to South end IVF Centre on April 05, 2022. students enjoyed learning about IVF processes.
3	Virtual tour of Aravalli Biodiversity Park on February 10, 2022.