

Workshop / Conference /FDP 2018-19

Sr. No	Year	Faculty	Name of the Workshop/Conference / FDP	No. of Participants	Date From-To	Poster
1	2018-19	<p>Dr Charu Khosla Gupta (Department of Botany)</p> <p>Dr Pooja Bhagat Dr Geetu Gambhir (Department of Chemistry)</p> <p>Dr Arijit Chowdhuri (Department of Physics)</p> <p>Dr Seema Makhija (Department of Zoology)</p>	<p>Workshop on “Learning Science by Doing Science”</p> <p>An interdisciplinary workshop titled “Learning Science by Doing Science” was organized by Departments of Botany, Zoology, Physics and Chemistry in collaboration from 18 – 22 June 2019. The main objective was to give the students an exposure to cutting-edge research in frontier areas of science besides imparting advanced hands-on laboratory skills to them. The workshop began with sessions on physico-chemical analysis of soil coordinated by faculty from chemistry department Dr.PoojaBhagat and Dr.GeetuGambhir. The students were made to determine the pH of soil accurately in the laboratory by electrometric method. The investigation assumes importance because determination of pH in soil is important as it plays a great role in availability of nutrients to plants. pH determination is useful for soil classification on the basis of acidity or alkalinity. The electrometric determination of pH by a pH meter was based on measuring the e.m.f. (millivolts) of a pH cell both a reference buffer and then with a test solution. Further experiments on determination of organic carbon present in the soil as also calcium carbonate (free lime) were undertaken.</p> <p>Sessions on Surface Plasmon Resonance (SPR) – Working Principle and Applications were coordinated by faculty from Department of Physics – Dr. V. Bhasker Raj and Dr.ArijitChowdhuri. The students were taught how technique involved detection of changes in refractive index at the surface of a sensor whence the sensor comprised of a glass substrate and thin gold coating. The concept of light passing through the substrate and getting reflected off the gold coating at certain angles of incidence, whence a portion of the light energy couples through the gold coating and creates a surface plasmon wave at the sample and gold surface interface. The students were given hands-on training on a table-top SPR machine and made to perform the following three experiments</p> <p>a) To measure the surface plasmon resonance (SPR) reflectance curve at metal (gold)-air interface. b) To find the optical properties of metal film by fitting the experimental SPR data with Fresnel’s equations. c) To determine plasma frequency and surface plasmon frequency of a metal.</p> <p>The students observed that angle of incident light required to sustain the surface plasmon wave was very sensitive to changes in refractive index at the surface (due to mass change), and these changes were noted to be critical to makingit a very sensitive technique.</p> <p>Sessions on studies on effect of environmental degradation on plant health by estimating chlorophyll and ascorbic acid content were coordinated by faculty members from Department of Botany – Dr.Yash Mangla and Dr.Charu Khosla Gupta. Students were given idea about how plants responded to air quality degradation, how their health gets impacted at molecular, cellular, physiological, and behavioural level, and about the mechanisms by which the plants attempt to overcome the ill-effects of air pollution and how their health weakens. All of the aforementioned were indirectly measured by way of estimation of chlorophyll content and ascorbate content in plants. The plants studied in question were sourced from clean and varying polluted environs.</p>	30	June 18-24, 2019	View

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2	2018-19	Dr Rashmi Sharma (Department of Botany) Dr Seema Makhija (Department of Zoology)	<p>Workshop on “Hands-on to computational biology for (meta)genomic analysis”</p> <p>A two-day workshop on ‘Hands-on to Computational Biology for (meta)genomic analysis’ was organized jointly by Department of Zoology and Department of Botany, Acharya Narendra Dev College under the aegis of DBT Star College Scheme from April 4-5, 2019. The workshop was conducted by two resource persons: Dr. Vipin Gupta and Dr. Utkarsh Sood from PhiXGen Pvt. Ltd. This workshop was coordinated by Dr. Ravi Toteja, Acting Principal, ANDC, Dr. Seema Makhija and Dr. Rashmi Sharma. This workshop on ‘Hands on to Computational Biology for (meta) genomics analysis’ was an attempt to empower the next generation to take up the bigger challenges in environmental microbiology. A total of 37 participants attended the workshop. It was a two-day long session where hands on modules were conducted to understand the workflow of bioinformatic tools to analyze huge sequence datasets. The workshop modules were prepared keeping in mind the need of basic to moderate level knowledge by students who want to enter exciting area of genomics and metagenomics. The workshop began with the welcome address by Dr. Ravi Toteja at the web center followed by detailed sessions and hands on experience about the methodology of (meta)genomic data generation, Linux operating system and cloud computation, bacterial genomic assembly and annotation, metagenomic diversity analysis and Systems biology. It started with a brief introduction about Linux and Ubuntu operating software followed by cloud computation. With this basic overview of operating system, participants performed hands on trial and learned about genomic assembly using ABySS 2.1.5 software individually. The validation of genomic assembly using the quast1.2.0 software was also performed. Thereafter the genomes were annotated using the RAST. This was followed by Module on Metagenomics which began with metagenomic diversity analysis using MetaPhlAn and followed by its visualization by GraPhlAn tool. Last module focused on systems biology approach for microbiome annotations and protein-protein interactome models. This training workshop certainly helped the participants gain full knowledge of basic bioinformatics analyses and design their experiments for solving problems related to meta(genomic) data.</p>	37	April 04-05, 2019	View
3	2018-19	Dr Archana Pandey (Department of Biomedical Sciences)	<p>Workshop on “Fraud, Forgery and Forensics: Examining Handwriting, Fingerprinting and Security documents”</p> <p>A one-day Forensic Science workshop was organized under the aegis of DBT-STAR College Scheme entitled ‘Fraud, Forgery & Forensics: Examining Handwriting, Fingerprints and Security Documents’ on April 3, 2019 in the college premises. The inaugural lecture on ‘Handwriting And Signature Forgery’ was delivered by Mr J. K. Semwal (Senior Faculty-Documents, Lok Nayak Jaiprakash Narayan National Institute of Criminology and Forensic Science, Ministry of Home affairs, Government of India). More than 120 participants from various departments and colleges of the University of Delhi as well as many Universities and institutions from Delhi-NCR learned various techniques of Forensic Science through the workshop.</p>	125	April 03, 2019	View
4	2018-19	Dr Amit Garg (Department of Electronics)	<p>Workshop on “PYTHON” was organized for students of Electronics in association with industry Partner Coding Blocks at Acharya Narendra Dev College, University of Delhi.</p> <p>A workshop on ‘PYTHON’ was organized in association with, industry partner Coding Blocks on April 3, 2019 by Dr Amit Garg for the students of Electronics.</p> <p>The Department of Electronics is conducting a workshop in association with CodingBlocks on Wednesday, 3rd April 2019 under the supervision of Dr. Amit Garg. to give the hands-on workshop to students interested in programming with a python language right from scratch.</p> <p>Coding Blocks is an online training institute which offers programming and software related courses like Java, C++, Android, NodeJS and more. A total of around 70 students are registered for the workshop. The duration of the workshop will be for around 2 hours from 1 pm - 3 pm. Our guest Jatin Katyal, python mentor on behalf of CodingBlocks will be demonstrating the students. The budget for organizing the workshop is around 1000 rupees which includes Views, guest refreshments, bouquet, etc.</p>	70	April 03, 2019	View

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5	2018-19	Dr Harita Ahuja Dr Preeti Marwaha (Department of Computer Science)	<p>Faculty development programme on “Emotional Intelligence”</p> <p>Department of Computer Science, Acharya Narendra Dev college, in collaboration with ICT Academy under star scheme, organised a two-day Faculty Development Program on “Emotional Intelligence (EI)”. In this Faculty Development Program, the participants got to know about the importance of Emotional Intelligence(EI) over Intelligence Quotient(IQ). The talk emphasized on awareness of self emotion and social emotion(other people). The Day one concentrated on the need of emotional intelligence in day to day activities. The talk enriched the participants based on various activities like Questionnaire, group discussion and story telling. The Day two concentrated on emotional hijacking, Stress Management and its importance to both college teachers and employers. Stress management focused on day to day functioning and improving the negative emotions to have a balanced life. It narrows your ability to think clearly, function effectively, and enjoy life. The FDP was aimed at enhancing the skill set of participants. The Session was very interactive as the participants were given an EI test and they have been told about their Emotional quotient grounded on their scores.</p> <p>At the end of the programme, participants gave the feedback at the ICT’s online portal. Subsequently, participants have been awarded with the E-certificates. Session ended with the vote of thanks by Dr. Harita Ahuja. The FDP proved to be extremely informative and was a great success with participation from around 30 faculty members from various Universities.</p>	25	April 01-02, 2019	View
6	2018-19	Dr. Gagan Dhawan (Department of Biomedical Sciences)	<p>Workshop on “Learning R programming Skills and Applications to Proteomics”</p> <p>Convener and Resource Person in the workshop on “Learning R programming Skills and Applications to Proteomics” held on March 15-16, 2019 organized by ANDC, University of Delhi in association with CSIR-IGIB, New Delhi</p>	20	March 15-16, 2019	View
7	2018-19	Dr. Seema Makhija (Department of Zoology)	<p>Mini Symposium on “International Women’s Day”</p> <p>The College organized a "Mini Symposium on International Women’s Day" on March 8, 2019 in Collaboration with CSIR for raising awareness and highlighting women’s achievements. N. Kalai Selvi, Director CSIR-Central Electrochemical Research Institute was available on line and interacted with students about Green Energy for Clean India. Dr. Rina Singh, Scientist CSIR-Central Road Research Institute enlightened the gathering about Nanotechnology for Green Environment. Dr. Sheetal Gangdotra, Scientist CSIR-IGIB delivered a talk on Mycobacterium: Learning from the Best. Dr. Pranalee Thorat, Scientist CSIR-NPL very interestingly explained about the history of units of time and frequency.</p>	150	March 08, 2019	View
8	2018-19	Dr. Ravi Toteja Dr. Seema Makhija (Department of Zoology)	<p>Workshop and Hands on Training on “ELISA Technique” (under the aegis of DBT Star College Scheme)</p> <p>The resource person was Mr VikasSachdev from Department of Gastroenterology, All India Institute of Medical science, New Delhi. The lecture was attended by the students of B.Sc. (H) Zoology and B.Sc. Life Science. In his lectured MrSachdev described various techniques like lithotripsy, radiological techniques, measurements of temperature, BP, heart rate and many others. Immediately after the lecture, students were given hands on training on ELISA (Enzyme linked immunosorbent assay), a diagnostic technique.MrSachdev started with the theory of ELISA technique. The kit used for doing hands on was kindly gifted by Mr. Sachdev. The kit used was for diagnosis of pancreatitis.For hands on, 6 groups of 4 students each were formed. Students were explained the various steps and principle involved in the process of carrying out ELISA.</p>	90	February 13, 2019	View

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9	2018-19	Dr. Sunita Jetly Dr. Archana Pandey Dr. Abhishek Kumar Mehta Dr. Satendra Singh Dr. Rakesh Raushan Dr. Namita Singh Dr. Abhijeet Mishra (Department of Biomedical Sciences)	Workshop on “ Foldscope ” Speaker: Dr. Uma Chaudhary Associate Professor,BCAS University of Delhi	40	February 02, 2019	View
10	2018-19	Dr. Ravi Toteja Dr. Sarita Kumar Dr. Seema Makhija (Department of Zoology) Dr. Seema Gupta Dr. Manisha Jain (Department of Chemistry) Dr. Sharanjit Kaur (Department of Computer Science) Dr. Urmi Bajpai Dr. Rajesh Chaudhary (Department of Biomedical Sciences) Dr. Charu Khosla Gupta (Department of Botany) Dr. Arijit Chowdhuri Dr. Subhash Kumar (Department of Physics) Dr. Amit Garg (Department of Electronics) Dr. Sandeep Goel Dr. Chaman Singh (Department of Mathematics) Mr. Sanjay Vohra (Placement Coordinator)	Education Conclave “ Education Deconstructed: Dialogues with Experts ” The College organized an Education Conclave “ <i>Education Deconstructed: Dialogue with Experts</i> ” on Friday November 2, 2018 in its premises. The scope of the conclave was to deliberate among academics and academic administrators the new initiatives with education and pedagogy which ANDC has adopted. The conclave was attended by a educationists, scientists, researchers and policy makers. Professor Bhusan Patwardhan, Vice-chairman, University Grants Commission (UGC) was the Chief Guest. He delivered the inaugural address. This was followed by two interactive sessions where the participants deliberated on the contemporary challenges in undergraduate education in India, while keeping in context the initiatives at ANDC. Participants also visited various research laboratories and other facilities available to students in the college.	117	November 02, 2018	View
11	2018-19	Dr. Seema Gupta (Department of Chemistry)	Workshop on “ Teachers as Mentors ” A workshop entitled ‘Teachers as Mentors’ to discuss about ‘What is mentoring’, Qualities of a good mentor and ‘Mentor sensitization’ was held on 25.10.18. Mr. Arindam Sen, ALS Wellness Network Pvt Ltd. (Zyego Co.) and Ms. Tanni, College Counselor were the resource persons. An interaction on how to help students cope with career and personal life issues which hinder their professional and personal development and emotional wellbeing was held during the workshop. Around 25 teachers attended the workshop.	25	October 25, 2018	View

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12	2018-19	Dr. Amit Garg (Department of Electronics)	Workshop on “ SPIE Induction ” A two-day Induction Workshop was held from September 25-26, 2018 for SPIE members. The workshop had an invited talk by Prof. Joby Joseph, Department of Physics, IIT Delhi on the topic of “Fabrication of Nanophotonic Structures and some Applications”. Hands-on sessions were conducted during the workshop on projects like Water drop Microscope, Communication through Fiber-Optic cables, Laser Spirograph, Lissajous light patterns through vibration and Holography. Dr. Sanjay Kumar, Department of Physics was the resource person in setting up and recording the holograms.	158	September 25-26, 2018	View
13	2018-19	Dr. Harita Ahuja Dr. Sunita Narang (Department of Computer Science)	Workshop on “ Awareness on Digital India Initiative ” Department of Computer Science of Acharya Narendra Dev College organized a workshop (under the Star college scheme) on Digital India Initiative in collaboration with CSC e-governance Services India Ltd. on 18 th September, 2018. CSC e-Governance Services India Limited is a Special Purpose Vehicle (SPV) set up by the Ministry of Electronics & IT to oversee the implementation of the CSC scheme. CSC SPV provides a centralized collaborative framework for delivery of services through Common Services Centers (CSCs). CSCs are the last mile access points for delivery of various e-governance and public services such as PAN card, Election ID, UID etc. to citizens. They are also focused on employment generation through e-learning and skill development for rural communities. About 150 students from Department of Computer Science, Electronics and Zoology attended the workshop. The workshop was a great success. Participants were interactive and showed keen interest in the services offered by CSCs. Their enthusiastic participation led to greater awareness about the courses offered through the CSCs.	147	September 18, 2018	View
14	2018-19	Dr. Seema Gupta (Department of Chemistry)	Workshop on “ Butterfly Campus Count ” The workshop on ‘Butterfly Campus Count’ was organized on September 17, 2018 in the College. The activity was to spread awareness about butterflies, to gather scientific information, which will further help in execution of butterfly conservation, and to initiate experts-public interactions in association with Bombay Natural History Society, Conservation Education Centre-Delhi with support of Department of Forests and Wildlife GNCT of Delhi in collaboration with Butterfly Research Centre of Bhimtal, Ninox and The Delight Factory during 'Delhi Butterfly Month 2018'.The resource persons were Mr. Imrtiyaz Ahmad(Bombay Natural History Society) and Mr. Abhishek Gulshan(Naturalist, Founder of NINOX)Abhishek Gulshan, NGO, NINOX.	157	September 17, 2018	View
15	2018-19	Dr. Arijit Chowdhuri Dr. Manisha Verma Dr. Sanjeeta Rani (Department of Physics)	Workshop on “ Paradigm shift in Physics Education through hands-on techniques in Optics ” Two days workshop under the aegis of DBT STAR College scheme and in collaboration with Joy of Learning Foundation) on ‘Paradigm shift in Physics Education through hands-on techniques in Optics’. Undergraduate students of third semester B.Sc. (H) Physics and B.Sc. Physical Sciences were trained on finer nuances of using sensitive instruments and understanding optical phenomena.	150	September 05 & 07, 2018	View
16	2018-19	Dr. Harita Ahuja Dr. Sunita Narang (Department of Computer Science)	Workshop on “ Awareness on FOSS & LINUX ” The Department of Computer Science organized a two day workshop on FOSS and LINUX for freshers.	722	August 28-30 September 04, 2018	View
17	2018-19	Dr. Seema Gupta (Department of Chemistry)	Workshop on “ Legal Awareness Program on E-Waste ” Legal Awareness Program on E-Waste Management was organized on August 11, 2018. Advocate Tarveen Singh Nanda was the resource person from Delhi State Legal Services Authority.The event is being shared by DLSA(SE) on http://dlsa.org/sed/?p=3695 .	60	August 11, 2018	View