

Workshop / Conference /FDP 2019-20

Sr. No.	Year	Faculty	Name of the Workshop/Conference / FDP	No. of Participants	Date From-To	View
1	2019-20	Dr Ravneet Kaur (Department of Electronics)	Workshop on “ LabView ”, (Under the aegis of DBT star College Scheme) A five day workshop to provide basic training and hands-on exposure to Virtual Instrumentation and LabView was organized by the department from June 23-21, 2020 in technical collaboration with industry partner M/s Touch Techno Pvt. Ltd. under the aegis of ANDC SPIE Student chapter. Laboratory Virtual Instrument Engineering Workbench (LabVIEW) is a system-design platform and development environment for a visual programming language from National Instruments. During the five days of the workshop, the participants were provided with a very comprehensive training on using LabView for virtual instrumentation. The workshop was attended by students as well as faculty members from different departments.	67	June 23-27, 2020	View
2	2019-20	Dr Sunita Jetly (Department of Biomedical Sciences)	Workshop on “ Usage of google conferencing tools ”, IQAC cell.	124	June 12, 2020	View
3	2019-20	Dr.Sharanjit Kaur Dr. Harita Ahuja (Department of Computer Science) Dr Ravneet Kaur (Department of Electronics)	Workshop on “ Machine Learning using Python ” Department of Computer Science and Department Electronics of the Acharya Narendra Dev College under DBT Star Scheme organized a one day workshop on the topic of “Machine Learning ” on 4 th March 2020. The Talk was convened by Dr.Sharanjit Kaur and Dr. Harita Ahuja. It was attended by all the students and faculty of the computer science department. We had (Prof.) Dr. Ramesh Aggarwal as our eminent guest speaker. He is working as a Professor in Jawahar Lal Nehru Univeristy .He had started the session with a talk on Machine learning, an application of Artificial Intelligence (AI). It provides systems the ability to automatically learn and improve from experience without being explicitly programmed. It focuses on the development of computer programs that can access data and use it to learn for themselves. He also discussed the applications and types of Learning. There are various types of Learning e.g. supervised, unsupervised, Reinforcement Learning, etc. At the end,Dr.Sharanjit Kaur delivered a vote of thanks to Speaker and concluded the session. All Participants were interactive and shown keen interest in the topic of the talk. They were provided with the certificates after the successful completion of the workshop.	55	March 04, 2020	View
4	2019-20	Dr Ravneet Kaur (Department of Electronics)	Workshop on Robotics “Robo Race” ‘Electronika’ society of the department in collaboration with the SPIE Student Chapter ANDC and DBT STAR College scheme organised its annual departmental fest ‘Electroblitzz’ (3 rd March to 4 th March, 2020). Major highlight of fest was ‘Robo Race’, robotics workshop and competition which was organised on 3 rd March (day 1 of the fest). Students from different colleges participated in the event There were in total 10 teams, with two students in each team. Each team was provided with a kit containing basic hardware modules required to build a robot. Each of the participating team was asked to assemble the components to build a robotic vehicle. Robotic vehicle was programmed to enable its forward, backward and sideways movement. A fun-filled racing competition was then organised between the robotic vehicles assembled and programmed by participating teams.	45	March 03, 2020	View
5	2019-20	Dr Ravneet Kaur (Department of Electronics)	Workshop on “ Raspberry Pi ” automation system” ‘Electronika’ society of the department in collaboration with the SPIE Student Chapter ANDC and DBT STAR College scheme organised its annual departmental fest ‘Electroblitzz’ (3 rd March to 4 th March, 2020).One of the major events was ‘Raspberry Pi’ workshop which was organised on 3 rd March (day 1 of the fest). The main purpose of the workshop was to give a general overview about raspberry Pi and also provide hands-on training in designing a simple automation system using raspberry Pi. The workshop was attended with great enthusiasm by students of various departments of the college. The students were able to learn how to use PuTTY (SSH and telnet client protocol for windows) and implement simple application such as face recognition by image processing.	41	March 03-04, 2020	View
6	2019-20	Dr Archna Pandey (Department of Biomedical Sciences) Dr Seema Makhija (Department of Zoology)	Workshop on “ Techniques in Molecular Microbiology ” A one-day inter-college workshop on “Techniques in Molecular Microbiology” was jointly organized by Department of Zoology of Deen Dayal Upadhyaya College & Acharya Narendra Dev College (University of Delhi) under the aegis of Science Foundation & DBT Star College Program on 25 th February, 2020 for undergraduate students of biological sciences. The workshop was attended by the following 35 students of B. Sc. (Hons.) Zoology, B. Sc. (P) Life Sciences and others from different colleges of Delhi & outside.	35	February 25, 2020	View

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7	2019-20	<p>Dr Yasheshwar (Department of Botany)</p> <p>Dr Manisha Jain Dr Pooja Bhagat Dr Neeti Mishra (Department of Chemistry)</p>	<p>Workshop on “Empowering teachers: Current technology based educational contents creation and delivery” (using open source, free software) under Internal Quality Assurance Cell</p> <p>The first session started with welcome address by the Principal, Dr. Ravi Toteja and IQAC Coordinator, Dr. Yasheshwar and self-introduction of the participants. It was followed by a small presentation by the resource person, Mr. V. Krishnamoorthy on the objective of the workshop and the various techniques that would be discussed during the workshop for development and delivery of educational content. The purpose of the workshop was to introduce the participants to various open source and free software rather than focussing on expertise in few software. It was highlighted that the workshop will focus on creating and delivering educational content and the choice of software depends upon requirements of the content and the availability of funds. The participants were also introduced to the concept of Flipped-classroom. The Day progressed with distribution of important software to be used during the workshop, to all the participants. Mr. Tarun and Mr. Sanjay Sangwan, the technical staff of the college, helped the participants in installing different softwares on their laptops. The session then focussed on overview of software <i>Balabolka</i>. Various ways in which this can be used to create audio content, was demonstrated by the resource person to the participants. The participants were also introduced to the concept of <i>silent classroom</i> and how it works using <i>stream what you hear</i>. The participants were asked to use the <i>Balabolka</i> software on the written educational content with them to prepare an audio file. The second Day began with the introduction of Audacity Software to create and edit audio files of the educational content. Participants created audio files of their content using <i>Balabolka</i>, which is a <i>text-to-speech</i> software and recorded the audio with the help of Audacity software. Mr. Moorthy taught the participants how to edit the audio file using Audacity for producing a finished product. Throughout the day the participants edited their content and also learned the streaming of audio content in the concept of silent classroom. The resource person also introduced the concept of wifi server on pen drive which is useful for local streaming of educational content. On third day participants were introduced to image editing tool-GIMP. The participants learned importing photographs in GIMP, editing their backgrounds, making gif animations, adjusting the picture size based upon final usage etc. Participants were also taught the conversion of one video file format to the other, using the software <i>Handbrake</i>. The software is utmost useful in assisting the content creator to have a compatibility across various platforms. A third software introduced to participants was a screen recording tool – Hypercam. This is useful for capturing screen activities in a video format. It was suggested by the resource person that this method in conjunction with audacity and webcam can be used for live capturing of classroom teaching. Photos, an application of Microsoft available in windows, was also introduced to the participants to enable them to create videos using images and previously recorded audio files. The fourth day concentrated on practicing the video editing of videos prepared in earlier sessions. For this the participants were introduced to software Openshot. Mr. Moorthy demonstrated correct handling of mobile phone to shoot classroom lecture by shooting few minutes lecture of some participants. He then explained the enriching of this video using Openshot software. He compared the two applications – Photos and Openshot for creating and editing videos. For the remaining day, the participants prepared their educational videos based upon their own choice and understanding of various softwares introduced to them. On request of participants, the final Day of the workshop began with recapitulation of GIMP software. The participants also learned the video streaming. The participants were taught the live streaming using VLC. An introduction about QR Codes, their generation and use was also given to the participants. This enables a user to encrypt any information in the QR Code and make it available for faster access to other user. Participants presented their prepared videos and got their problems solved individually. The Day ended with a verbal feedback session about the workshop from all participants and Vote of thanks to the resource person by the Workshop coordinator.</p>	25	December 02-06, 2019	View
8	2019-20	<p>Dr Archna Pandey (Department of Biomedical Sciences) Dr Seema Makhija (Department of Zoology)</p>	<p>Workshop on “Molecular Biology Techniques”</p> <p>One Day Hands on workshop on Molecular Biology Techniques was organized by Department of Zoology on November 22, 2019 for the undergraduate and Post Graduate students of G.D.Goenka University.</p>	56	November 22, 2019	View

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9	2019-20	Dr Archna Pandey Dr Rimpay Kaur Chowhan (Department of Biomedical Sciences) Dr Sunita Hooda Dr Pooja Bhagat Dr Kavita Mittal (Department of Chemistry) Dr Harita Ahuja (Department of Computer Science) Dr Ravneet Kaur (Department of Electronics) Dr Arijit Chowdhuri (Department of Physics) Dr Seema Makhija (Department of Zoology)	<p>Inter-disciplinary exhibit presentation on “New frontiers in science” (under the aegis of DBT star college program)</p> <p>Acharya Narendra Dev College under the aegis of DBT Star College Scheme organized a One Day Interdisciplinary Exhibit Presentation on ‘New Frontiers in Science’ in the College premises on October 22, 2019. The Views/exhibits were judged by three panels of judges with each panel having three subject experts. After critical review by the panel of judges, 3 projects were awarded ‘best View’. In addition to this, 6 other projects were also awarded ‘consolation’.</p> <p>For this exhibition cum workshop, various schools were also invited. Around 110 students from three different schools attended the event. Enthusiasm and curiosity amongst the school students towards latest research trends in science and technology was quite evident. Interaction and sharing of ideas between school students and the participants/presenters made the event even more successful.</p>	112	October 22, 2019	View
10	2019-20	Dr Archna Pandey (Department of Biomedical Sciences) Dr Sarita Kumar Dr Monica Misra Dr Seema Makhija Mr Ravinder K. Sagar Dr Aparna Sharma Dr Sweety Shrimali Dr Rahul Dev Dr Neelgagan Singh Mr Sanjay Kumar Mr Vineet Girdharwal Dr Shrankhla (Department of Zoology)	<p>Workshop on “Learning Molecular Biology Techniques”</p> <p>One day hands on workshop “Learning Molecular Biology Techniques” was conducted on September 24,2019 for B.Sc. (H) Zoology and B.Sc. Life Sciences of the College.</p>	88	September 24, 2019	View
11	2019-20	Dr Sharanjit Kaur Dr Harita Ahuja Dr Preeti Marwaha (Department of Computer Science)	<p>Workshop on “Linux and FOSS”</p> <p>Acharya Narendra Dev College is a pioneer within the University in exclusive use of Linux Operating System and other Free &Open Source Software (FOSS) on its PCs. It adopted FOSS in the year 2007 to provide great learning and sharing opportunities to its students. Under this initiative Department of Computer Science of the college organizes an Introductory workshop every year to welcome freshers into the world of FOSS. It is mandatory for all the freshers of the thirteen courses, that college offers, to attend the workshop whether they have taken computer science course or not, as Linux is the only operating system available on its laptop and desktop machines unless other proprietary software is dictated by the syllabus. This year too a four day workshop was organized from 16th Sept., 2019 to 19th Sept., 2019 to familiarize the incumbents of various courses with FOSS concepts. Senior students of B.Sc. (H) Computer Science and B.Sc. Physical Science (Computer Science) were roped in as volunteers for the workshop. They are the ideal candidate for this purpose as they attended this workshop as freshers and then they have been extensively trained through the year on various Linux platforms. Each session was divided into three parts. The first part covered introduction to FOSS and salient features of Linux operating system including why it comes under the category of open source software. Second part gave a contrast between Linux & Windows operating system. And third part introduced Libre Office which included LibreOffice Writer for writing text, LibreOffice Calc for working on spread sheets and LibreOffice Impress for preparing presentations. To impart functional knowledge a practice session was also given to the students. The workshop was a great success. Most of the students of each course could attend it and it turned out to be a great learning experience for all the participants as well as volunteers. The enthusiasm and passion of the new students and volunteers was commendable all through the workshop. Participants were interactive and showed keen interest in the hands-on sessions of the workshop.</p>	740	September 16 - 19, 2019	View

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12	2019-20	Dr Rashmi Sharma (Department of Botany) Dr. Seema Makhija (Department of Zoology)	Workshop on “Unravel the Microbial World, Foldscope” A workshop on ‘Foldscope’ was organized in the college for the students of Botany and Life Science on September 9, 2019. Dr Anupama Harshal from K. C. College, Bombay was the resource person. 20 students of Botany (H) and 24 students from B.Sc. Life Science attended the workshop.	44	September 09, 2019	View
13	2019-20	Dr Amit Garg (Department of Electronics)	Workshop on “Arduino” A hands-on workshop on ‘Arduino’ was organized to familiarise students with programming and designing systems using arduino The basic purpose of the workshop was to give a general overview about the basics of programming with Arduino, building an Arduino Instant Messenger and implement simple automated systems such as weather station, disco light and ultrasonic radar. The event witnessed great enthusiasm and curiosity amongst the participants. Students came up with their own ideas and tried to realise it. It was attended by over 100 students of various departments.	100	September 07, 2019.	View
14	2019-20	Dr Charu Khosla Gupta Dr Anupama shukla Dr Yash Mangla (Department of Botany) Dr Arijit Chowdhuri Dr V Bhasker Raj and Dr Sanjay Kumar (Department of Physics)	Workshop on “Surface Plasmon Resonance (SPR) and UV-Visible Spectroscopy: Basic working principle and Environmental Applications” Inter-College hands-on workshop on ‘Surface Plasmon Resonance (SPR) and UV-Visible Spectroscopy: Basic Working Principle and Environmental Applications’ from August 23-27, 2019 under the aegis of STAR College programme of Physics and Botany Departments.	123	August 23-27, 2019	View
15	2019-20	Dr Amit Garg (Department of Electronics)	Workshop on “Optical Colour Mixing” The Workshop was organized to give new members the practical idea of what the society is all about. The session started by address and welcome of the new members by the newly elected President, Mr. Prince Sharma. At the start, he quickly reviewed everything about the society that was already told in orientation sessions making convenient for those who could not attend it. He introduced other chapter officers and some potential members and later, he placed the upcoming yearly plan of the society in front of the students and kept some milestones with the team. The session was quite motivating which encouraged them to show active participation in society. The second session was of the workshop where Mr. Hardik Minocha with his team gave theoretical explanation of Colors and emphasized on the difference between Optical and Pigment Colors. Students were given the practical overview of how Red, Green and Blue are mixed together to generate different colors. It was no doubt knowledgeable and interactive session with the students.	53	August 09, 2019	View
16	2019-20	Dr Anupama Shukla Dr Geetika Kalra Dr Rashmi Sharma Dr Yash Mangla Dr Anita Thakur Dr Manoj Singh Dr Sumit Sahni Dr Vineet Singh (Department of Botany) Dr Sarita Kumar Dr Monica Misra Dr Seema Makhija Mr Ravinder K. Sagar Dr Aparna Sharma Dr Sweety Shrimali Dr Rahul Dev Dr Neelgagan Singh Mr Sanjay Kumar Mr Vineet Girdharwal Dr Sneh Sagar (Department of Zoology)	Workshop on “Learning Science ‘The Do It Yourself Way’ ” A Three day workshop entitled “Learning Science: The ‘Do It Yourself’ way” was organized for school students jointly by the department of Botany and Zoology under the aegis of DBT-Star Scheme for College, in collaboration with National Bal Bhavan, Delhi from July 17-19, 2019. 38 students of classes IX-XI from different schools of Delhi and National Bal Bhavan participated in the workshop meant to inculcate their interest and curiosity in biological sciences.	38	July 17-19, 2019	View