5.1.3

Initiatives taken by the institution regarding ICT/Computing Skills

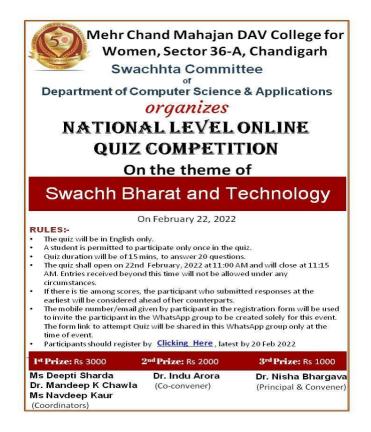|	Initiatives taken by the institution regarding **ICT/Computing Skills**			
	2021-22			
S. No.	Name of the capacity development and skills enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details (if any)
1	One-day workshop titled 'Excel with MSExcel'.	5/11/2022	100	Department of Mathematics
2	Two-day lecture-cum-workshop and hands-on training on Basic Learning and Handling of Spectroscopic Techniques (UV-VIS, FTIR, NMR)	18-05-2022 to 19-05-2022	51	Department of Chemistry under the aegis of Skill Development Committee
3	3-day skill development workshop on Video Editing (Via Mobile)	24-05-2022 to 26-05-2022	39	Department of Food Science in collaboration with Mahatma Gandhi National Council of Rural Education
	2020-21			
1	5-Day Series on Data Analysis	27-08-2020 to 31-08-2020	47	Post Graduate Department of Sociology
2	National Webinar on 'Ethical Hacking & Cyber Security'	9/6/2020	77	Department of Computer Science and Applications
3	Three-day Workshop on 'Research and Data Analysis by using SPSS'	16-12-2020 to 18-12-2020	36	Department of Psychology
4	Session on 'Design Validation through various models'	1/15/2021	254	Institution's Innovation Council under the aegis of MoE's Innovation Cell
5	Webinar on 'How to start your journey as a Digital Entrepreneur'	3/21/2021	145	The Start-Up Cell in collaboration with Shrishiksha
6	Workshop on 'How to leverage Digital Space to Build a Career'	3/30/2021	202	Startup Cell in collaboration with Shrishiksha
7	5 day workshop on ICT and Business Communication	25-06-2021 to 30-06-2021	26	Department of Computer Science and Applications
	2019-20			

1	Six day Workshop APACHE Open office	03-01-2020 to 09-01-2020	40	DCSA
2	Workshop on Cyber Privacy and You	2/6/2020	80	Alumni Committee
3	Workshop on Animation	27-05-2020 to 29-05-2020	82	Skill development committee in collaboration with Toonz Media Group, Digitoonz, Phoebus Creations Media Pvt. Ltd., HopMotion Animation Studio
2018-19				
1	Workshop on Content Management System : Wordpress'	10/6/2018	60	DCSA
2	Computational Mathematics Workshop on MATLAB	01-11-2018 to 02-11-2018	74	RUSA and Department of Mathematics
3	Workshop on IT Security	2/13/2019	37	DCSA
4	Lecture and Workshop on 'Digital Communication'	2/25/2019	77	DCSA
5	Workshop on 'Python Programming'	3/10/2019	70	Sebiz Infotech Pvt. Ltd.
6	Digital Literacy Workshop	20-05-2019 to 27-05-2019	19	Department of Computer Science and Applications
2017-18				
1	Session on 'Inside the Computer'	8/19/2017	67	DCSA
2	Basics of Research Methodology with particular emphasis on SPSS	5/10/2018	21	RUSA
3	Workshop on 'Web Application Development using PHP'	28-05-2018 to 04-06-2018	46	Department of Computer Science & Applications
4	7 day workshop on 'Web Applications Development using PHP;	6/4/2018	67	DCSA
5	Sketch Up – A 7 Day workshop on Interior Designing and Decoration Software	07-06-2018 to 13-06-2018	250	IQAC
6	Web Development with Word Press	6/10/2018	58	RUSA

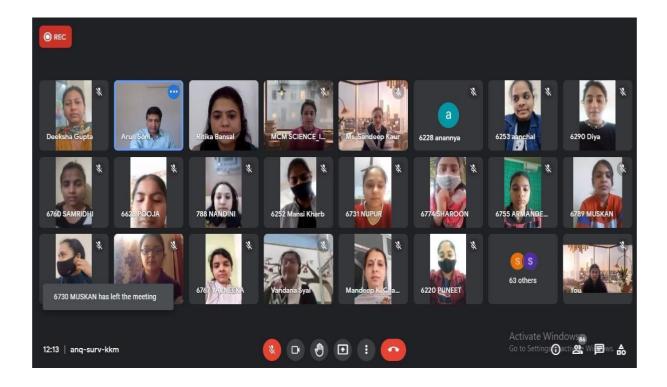|	2016-17			
1	Two-day workshop on 'Android Application Development'	01-02-2017 to 02-02-2017	125	RUSA
2	3-day workshop on 'Fundamentals of Statistics using SPSS'	24-02-2017 to 26-02-2017	55	RUSA
3	Interactive session on 'How to remain safe on Internet'	2/25/2017	59	DCSA
4	Industrial Trip to Sebiz, Netstmartz	2/27/2017	56	DCSA

2021 - 2022

- National Webinar was organized on "Combatting Cybercrime during Covid19" on 25 February, 2022 under the aegis of MCM Vigyan Manch. This National Level Webinar was sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration. The Resource Person for this webinar, Sh. Arun Soni is an internationally acclaimed author and cybersecurity expert from Chandigarh. Sh. Arun Soni discussed techniques to strengthen passwords, maintain router security, avoid spoofed emails, check IP addresses, use secured websites and Play Store Apps so that an effective response in combatting cybercrimes can be given. This session also generated awareness among participants about how to make secure transactions by not sharing their OTPs and passwords. He further elaborated keylogging and QR based free software used by cyber criminals to allure people. He stressed upon the need to keep safe from Cybercrimes at home or workplace. Around 114 students and 8 faculty members attended this Webinar. This webinar made participants aware about how to stay safe while spending many hours online as a result of Covid-19 pandemic.
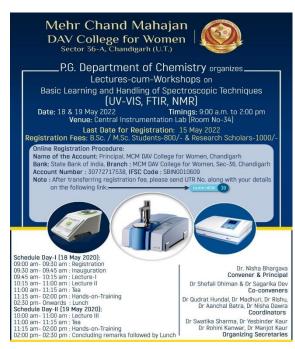
- National Level Online Power Point Presentation competition sponsored by Department of Science & Technology & Renewable Energy was organized by Department of Computer Science & Applications under the aegis of IIC 4.0 and MCM Vigyan Manch on February 28, 2022. A total of 28 students presented their PPT through Google Meet. Dr Indu Arora, Ms Punam Dawgotra and Dr Ritika Bansal adjudged the event. The participants emphasized on the Innovations that define the modern era of India and its importance for the growth of the economy. Students explained various real-life examples such as "Solar Trees", "e-Bicycles", low-cost wind turbines, and self-repairing road, etc. They focused on the innovations which have the potential to dramatically impact the way people live. Also, few students related Innovation to environment and presented insightful topics such as "Evigreen Edible Bags". One of our daily life applications that was quite used in Covid-19 "Aarogya Setu" App was also presented by one participant. USB Cables which are used by most of IT Industry people and even in our daily life was also explained. The session provided a thorough insight to the students on the meaning and relevance of "Innovations that Define Modern India". Further, various real-life examples were presented by the participants. The students actively participated in the session and found the session very interesting and informative. The session equipped the students with the know-how to materialize their ideas of Start-Up and Entrepreneurship in Computer Industry which will help them pitch their proposals at various platforms. Winners of the competition are :-

  - First Prize (Rs. 1500/-): Mr. Gautam, Panjab University, Chandigarh.
  - Second Prize (Rs. 1000/-): Mr. Keshav, Chandigarh Group of Colleges, Landran.
  - Third Prize (Rs. 500/-): Ms. Gurmani Kaur, Khalsa College for Women, Civil Lines, Ludhiana.
  - Consolation: Angellina Gill, Mehr Chand Mahajan DAV College for Women, Chandigarh

Lecture-cum Workshop on Basic Learning and Handling of Spectroscopic Techniques (UV-VIS, FTIR, NMR)

P.G. Department of Chemistry organized a two-day Lecture-cum workshop on Basic Learning and Handling of Spectroscopic Techniques (UV-VIS, FTIR, NMR) on 18th May 2022-19th May 2022 with an objective to enhance skill development by giving hands on training to the students. The duration of workshop was of about 11 hours. The resource persons of workshop are Dr. Swatika sharma, Dr. Yesbinder Kaur and Dr. Manjot Kaur, Assistant Professor

PG Department of chemistry. On 18th May 2022 a lecture and hands on training on UV-VISIBLE spectrophotometer and FTIR spectrophotometer was conducted and on 19th May 2022 a lecture and hands on training on NMR spectrophotometer was conducted. A total of 32 student participants from different colleges and 18 faculties attended this program.

MCM holds 2-day workshop on Spectroscopic Techniques

July 01, 2022 02:07 PM

Principal Dr. Nisha Bhargava with faculty and participants.

CHANDIGARH, 01.07.22-The Postgraduate Department of Chemistry at Mehr Chand Mahajan DAV College for Women, Chandigarh organised a two-day lecture-cum-workshop and hands-on training on Basic Learning and Handling of Spectroscopic Techniques (UV-VIS, FTIR, NMR) under the aegis of Skill Development Committee of the college. Dr. Swatika Sharma, Dr. Yesbinder Kaur and Dr. Manjot Kaur, Assistant Professors at the Department delivered lectures on UV-Visible spectroscopy, FTIR

Spectroscopy, and NMR Spectroscopy. The lectures focused on basics of spectroscopic techniques and application of spectroscopic techniques in various field of basic chemistry and research field. Hands-on training was also given to all the participants individually by practically doing small experiments based on spectroscopic techniques. Around 51 students from B.Sc. and M.Sc. Chemistry from different colleges and faculty members participated in this initiative.

Principal Dr. Nisha Bhargava applauded the efforts and encouraged the department to keep organising such skill based activities to enhance the learning quotient of the students. She highlighted the importance of such skill development initiatives by adding that skills enhance the employability quotient of the students.

एमसीएम ने स्पेक्ट्रोस्कोपिक तकनीकों पर दो दिवसीय कार्यशाला का आयोजन किया

चंडीगढ़ (जगमार्ग न्यूज)। मेहर चंद महाजन डीएवी कॉलेज फॉर विमेन, मे रसायन विज्ञान के स्नातकोत्तर विभाग ने स्पेक्ट्रोस्कोपिक तकनीकों (यूवी-विज, एफटीआईआर, एनएमआर) के बुनियादी शिक्षण और संचालन पर प्रशिक्षण के लिए दो दिवसीय व्याख्यान-सह-कार्यशाला का आयोजन कौशल विकास समिति के तत्वावधान में किया। महाविद्यालय में सहायक प्रोफेसर डॉ. स्वातिका शर्मा, डॉ. यसबिंदर कौर और डॉ. मनजोत कौर ने यूवी-विजिबल स्पेक्ट्रोस्कोपी, एफटीआईआर स्पेक्ट्रोस्कोपी और एनएमआर स्पेक्ट्रोस्कोपी पर व्याख्यान दिए। व्याख्यान स्पेक्ट्रोस्कोपिक तकनीकों के मूलभूत तत्वों एवं बुनियादी रसायन विज्ञान और अनुसंधान के विभिन्न क्षेत्रो में स्पेक्ट्रोस्कोपिक तकनीकों के अनुप्रयोग पर केंद्रित था। स्पेक्ट्रोस्कोपिक तकनीकों पर आधारित व्यावहारिक रूप से छोटे-छोटे प्रयोग करके सभी प्रतिभागियों को व्यक्तिगत रूप से व्यावहारिक प्रशिक्षण भी दिया गया। विभिन्न कॉलेजो के बीएससी एवं एमएससी रसायन विज्ञान के लगभग 51 विद्यार्थियों और संकाय सदस्यों ने इस पहल में भाग लिया। प्राचार्या डॉ. निशा भार्गव ने रसायन विज्ञान विभाग के इस प्रयास की सराहना की और विद्यार्थियों में सीखने को बढ़ावा देने के लिए इस तरह की कौशल आधारित गतिविधियों का आयोजन करने के लिए प्रोत्साहित किया। उन्होंने इस तरह के कौशल विकास पहल के महत्व पर प्रकाश डालते हुए कहा कि कौशल विद्यार्थियों की रोजगार क्षमता को बढ़ाते है।

स्पेक्ट्रोस्कोपिक तकनीकों पर कार्यशाला का आयोजन

चंडीगढ़, 1 जुलाई (राम सिंह बराड़) : मेहर चंद महाजन डीएवी कॉलेज फॉर विमेन, चंडीगढ़ में रसायन विज्ञान के स्नातकोत्तर विभाग ने स्पेक्ट्रोस्कोपिक तकनीकों (यूवी-विज, एफटीआईआर, एनएमआर) के बुनियादी शिक्षण और संचालन पर प्रशिक्षण के लिए दो दिवसीय व्याख्यान-सह-कार्यशाला का आयोजन कौशल विकास समिति के तत्वावधान में किया। महाविद्यालय में सहायक प्रोफेसर डॉ. स्वातिका शर्मा, डॉ. यसबिंदर कौर और डॉ. मनजोत कौर ने यूवी-विजिबल स्पेक्ट्रोस्कोपी, एफटीआईआर स्पेक्ट्रोस्कोपी और एनएमआर स्पेक्ट्रोस्कोपी पर व्याख्यान दिए। व्याख्यान स्पेक्ट्रोस्कोपिक तकनीकों के मूलभूत तत्वों एवं बुनियादी रसायन विज्ञान

एमसीएम कॉलेज सैक्टर-36 में स्पेक्ट्रोस्कोपिक तकनीक पर दो दिवसीय कार्यशाला दौरान प्राचार्या डॉ. निशा भार्गव के साथ सांझी तस्वीर करवाते प्रतिभागी व विद्यार्थी। (छाया: गुरिन्द्र सिंह)

और अनुसंधान के विभिन्न क्षेत्रों में स्पेक्ट्रोस्कोपिक तकनीकों के अनुप्रयोग पर केंद्रित था। स्पेक्ट्रोस्कोपिक तकनीकों पर आधारित व्यावहारिक रूप से छोटे-छोटे प्रयोग करके सभी प्रतिभागियों को व्यक्तिगत रूप से व्यावहारिक प्रशिक्षण भी दिया गया। विभिन्न कॉलेजों के बीएससी एवं एमएससी रसायन विज्ञान के लगभग 51 विद्यार्थियों और संकाय सदस्यों ने इस पहल में भाग लिया। प्राचार्या डॉ.

निशा भार्गव ने रसायन विज्ञान विभाग के इस प्रयास की सराहना की और विद्यार्थियों में सीखने को बढ़ावा देने के लिए इस तरह की कौशल आधारित गतिविधियों का आयोजन करने के लिए प्रोत्साहित किया। उन्होंने इस तरह के कौशल विकास पहल के महत्व पर प्रकाश डालते हुए कहा कि कौशल विद्यार्थियों की रोजगार क्षमता को बढ़ाते हैं।

पंजाब यूनिवर्सिटी चंडीगढ़ सैनेट के 2 सदस्य नामजद करने के अधिकार स्पीकर को

चंडीगढ़, 1 जुलाई (एन.एस. परवाना): पंजाब यूनिवर्सिटी चंडीगढ़ की सैनेट के लिए पंजाब विधानसभा में 2 सदस्य नामजद करने के लिए स्पीकर स. कुलतार सिंह संधवां ने अधिकार दे दिए हैं। यह फैसला कल विधानसभा में सर्वसम्मति के साथ किया गया है। कहा जाता है कि स्पीकर अब मुख्यमंत्री भगवंत मान के साथ विचार करने के बाद कर देंगे।

MCM holds 2-day workshop on Spectroscopic Techniques

The Aman Sandesh Times Network

Chandigarh : The Postgraduate Department of Chemistry at Mehr Chand Mahajan DAV College for Women, Chandigarh organised a two-day lecture-cum-workshop and hands-on training on Basic Learning and Handling of Spectroscopic Techniques (UV-VIS, FTIR, NMR) under the aegis of Skill Development Committee of the college. Dr. Swatika Sharma, Dr. Yesbinder Kaur and Dr. Manjot Kaur, Assistant Professors at the Department delivered lectures on UV-Visible spectroscopy, FTIR Spectroscopy, and NMR Spectroscopy. The lectures focused on basics of spectroscopic techniques and application of spectroscopic techniques in various field of basic chemistry and research field. Hands-on training was also given to all the participants individually by

practically doing small experiments based on spectroscopic techniques. Around 51 students from B.Sc. and M.Sc. Chemistry from different colleges and faculty members participated in this initiative.

Principal Dr. Nisha Bhargava applauded the efforts and encouraged the department to keep organising such skill based activities to enhance the learning quotient of the students. She highlighted the importance of such skill development initiatives by adding that skills enhance the employability quotient of the students.

'कारीगरी': Promoting Recycling through Cloth Bags Making

With the aim of spreading awareness about the use of eco-friendly cloth bags instead of single use plastic bags, Department of Home Science, Mehr Chand Mahajan DAV College for Women Chandigarh organized, 'कारीगरी' a workshop on fabric bag making on 24th May, 2022. The participants were demonstrated about the bag making out of the new fabric as well as worn out fabric. They were acquainted with the importance of recycling for the environment and motivated to make sustainable choices. Students constructed and decorated different types of bags getting tips and guidance from the resource person. They also learnt
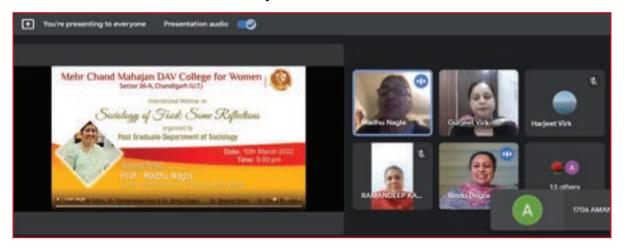
COMBATING CYBER CRIME DURING COVID19

A national webinar was organized by the **Department of Computer Science** on 'Combating Cybercrime during Covid-19' on February 25, 2022 under the aegis of **MCM Vigyan Manch.** The webinar was sponsored by the **Department of Science and Technology and Renewable Energy, Chandigarh Administration.** The Resource Person for this webinar, Sh. Arun Soni, an internationally acclaimed author and cyber security expert from Chandigarh, generated awareness among participants about various kinds of cybercrimes and the ways to make secure online transactions. Around 114 students and 8 members of faculty attended this Webinar.

NANOTECHNOLOGY: INNOVATION AND ROLE OF WOMEN

The **Department of Physics,** in association with **Women Development Cell** organized a national webinar on 'Nanotechnology: Innovation and Role of Women' on March 3, 2022. The resource persons were Dr. Pooja Devi, Principal Scientist, CSIR–Central Scientific Instruments Organization (CSIR–CSIO), Chandigarh and Dr. Madhulekha Gogoi, DST- Women Scientist, CSIR-North East Institute of Science and Technology (CSIR–NEIST), Assam. Dr. Pooja dwelled upon the varied innovations in nanotechnology used in daily life and explained how it is an emerging field for research and development. The resource person also inspired the participants to take up research and development as their career through examples of several eminent women personalities working in different scientific areas. 82 participants joined the session.

SOCIOLOGY OF FOOD: SOME REFLECTIONS

The **Postgraduate Department of Sociology** organized an international webinar on the theme 'Sociology of Food: Some Reflections' on March 10, 2022. Prof. Madhu Nagla, former Professor and Head, Department of Sociology, MDU, Rohtak, was the resource person for this event. She highlighted how food has emerged as a new field within sociological research and how this theme will play a significant role in the future in the area of social research which needs to be studied by researchers, policymakers, social workers etc. 50 students and 11 faculty members attended the session.

DECODING THE PROFICIENCY TECHNIQUES

The **Postgraduate Department of Sociology** in collaboration with **Foreign Student Cell** organized a three-day online workshop on 'Decoding the Proficiency Techniques' from May 6 -8, 2022 to effectively help the participants in improving their presentation techniques, communication skills and group discussions so as to enhance their job avenues. The resource persons for the workshops were Mrs. Neha Seth, a well-known Language Trainer, Dr. Bhavneet Bhatti, Assistant Professor-School of Communication Studies, Panjab University, Chandigarh and Ms. Titeeksha Pathania (Consultant British Council of India). 30 volunteers participated in this workshop.

LIPPAN ART AT THE HERITAGE CORNER

The **Department of Fine Arts** organized a workshop on Lippan Art at the Heritage Corner from May 17 to 19, 2022. Mrs. Santosh Verma was the resource person of the event. In the workshop, Lippan Art was made with a contemporary approach by using shilpkar, acrylic colours and mirrors on the walls of Heritage Corner. Different geometric patterns were used to make various elements like flowers, parrots and human figures. 22 students participated in this workshop.

BASIC LEARNING AND HANDLING OF SPECTROSCOPIC TECHNIQUES

The **Postgraduate Department of Chemistry** organized a Lecture cum Workshop on 'Basic Learning and Handling of Spectroscopic Techniques (UV-VIS, FTIR, NMR) from May 18-19, 2022. It was conducted by Dr. Swatika Sharma, Dr. Yesbinder Kaur and Dr. Manjot Kaur, Assistant Professors, from the Post Graduate Department of Chemistry. 32 students from different colleges along with 18 faculty members were given hands on training in the use of this technique.

FACULTY DEVELOPMENT PROGRAMMES

WORKSHOP ON E-CONTENT GENERATION

The **UGC Committee** under the aegis of the **Internal Quality Assurance Cell** of the college organized a Workshop on E-Content Generation for the Teaching Faculty on July 20, 2021 to help the membersin utilizing various e-resources and Google applications for creating and tabulating e-content. Dr. Vibha Sharma, Chief Coordinator, IQAC and Head, Department of Public Administration was the resource person. She introduced the participants to the various ways of E-Content generation and organization, and also provided hands-on training for generating e-content with the help of PPTs, YouTube, Google Forms etc. All quadrants like videos, assessment, discussion forums, and feedback were discussed and demonstrated by the resource person. 60 members of the faculty attended the workshop.

NAAC- REVISITING THE QUALITY BENCHMARKS: AN ASSESSOR'S PERSPECTIVE

The **Internal Quality Assurance Cell** organized an Expert Lecture titled 'NAAC- Revisiting the Quality Benchmarks: An Assessor's Perspective', on July 28, 2021. The resource person was Dr. Nisha Bhargava, Principal, Mehr Chand Mahajan DAV College for Women and NAAC Assessor. She enlightened the teaching fraternity about the vision, mission and core objectives of NAAC so as to enable institutions to achieve a higher grade. Nearly 358 registered faculty members from various institutions across the country including Punjab, Haryana, Rajasthan, Maharashtra, Gujarat, Uttar Pradesh, Karnataka, Odisha, Tamil Nadu and Telangana attended the lecture.

WORKSHOP ON EXCEL MADE EASY

The **UGC Committee** under the aegis of the **Internal Quality Assurance Cell** organized a Workshop for teaching faculty on 'Excel Made Easy' on 10 February, 2022. The Resource Person, Dr. Swati Sidana, Assistant Professor, Postgraduate Department of Mathematics, provided hands-on training to 40 members of teaching faculty from varied disciplines on various functions and commands of MS Excel to facilitate the compilation of data. She also gave a practical demonstration in the application of various formulas to maintain data regarding attendance, marks and internal assessment of the students.

YOGA AND AYURVEDA

A five-day, Integrated Yoga and Ayurveda Wellness Capacity Building Programme for Educators in Higher Education Institutions' was organized in the College from August 2 to 6, 2022 with a vision to promote holistic well-being among educators through Indian knowledge system. The resource persons of the programme were Mr. Vivek Attray; Ms. Shyampriya; Mrs. Sarghi Kohli; Mr. Roshan Lal; Mr. Kulwant Singh; Mr. Mohinder Kumar and Mr. Sumant Batish. Author, motivational speaker and former IAS officer Mr. Vivek Atray graced the inaugural session as the Chief Guest. Ms. Shyampriya, a Wellness Trainer, Lokayurved Wellness Concept, emphasised the significance of Tridosha /Panchmahabhoot and their conglomeration in one's body as the Vata, Pitta and Kapha. Mrs. Sarghi Kohli, Yoga Instructor from Government Collegeof Yoga Education, Chandigarh emphasized on the Shatkriya /Shatkarma. She demonstrated the 6 cleansing techniques namely - Dhauti (Upper abdomen), Nauli (churning of the abdominal muscles), Basti (Lower abdomen), Trataka (steady eyesight gazing), Neti and Kapalbhati. More than 50 staff members enthusiastically participated and benefited from the programme.

WORKSHOP ON PLANT DISEASES

The **IQAC** in collaboration with the **Department of Botany** and the **Add On Course in Floriculture and Landscaping** organized a workshop for the teaching and technical staff on various plant diseases on February 22, 2022. Titled 'An Overall View of Vegetable and Ornamental Plant Diseases: Symptoms and Management, the workshop was conducted by Dr. Kishore Sharma, Scientist - Plant Pathology, College of Horticulture and Forestry, Thunag Distt. - Mandi, HP. In this event, 35 students, 10 members of the faculty, 8 gardeners and 3 members of the non-teaching staff participated enthusiastically.
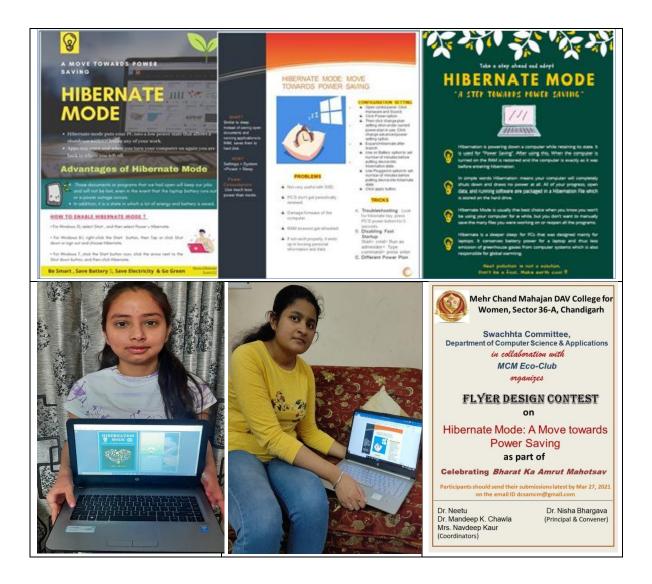
2020-2021

Swachhta Cell, Department of Computer Science & Applications organized **"E-Waste Modeling Contest"** on 6th January 2021. Models were judged based on creativity, utility of the product and overall presentation by Ms Deepti Sharda, Dr Mandeep Chawla and Ms Navdeep Kaur. Around 17 participants showcased their creativity and utility of the Product. Cash prizes of Rs 1500, Rs 1000 and Rs 500 were also awarded to best three models: Navya Chhatwani of B.Com III (First position), Aastha Mittal of BCA II (Second position), Piezal Singh of BCA II (Third position).

- 2Minute Video Making Competition on the topic **"Innovations during COVID-19 Pandemic"** was organised on 11th January 2021. A total of 19 participants registered and 8 discussed a diverse range of innovations being done in different fields like Medicine, Sanitization, Artificial Intelligence, Equipment and Mobile Apps. Cash prizes of Rs 1500, Rs 1000 and Rs. 500 were also awarded to best three videos of Noveldeep Kaur of B.Sc. (MFT), Kirandeep of M.Com., Vanshika Garg of B.Com.

- Software Hackathon was organized from 18 January, 2021 to 20 January 2021. It was open only for the students of the Department of Computer Science and Applications. The teams contested to develop a software application using any one of the programming languages from C/C++/Python or Java. A total of 15 teams registered and 10 teams participated in the contest. Cash prizes of Rs 3000 was awarded to Sonalika Grover and Naghma Firdous of BCA III, Rs 2000 to Priyanka and Mishika Batra of BCA II and Rs 1000 to Deepakshi and Gopikaa of BCA II.

- Swachhta Cell of DCSA organized Flyer Design Contest on **"Hibernate Mode: A Move towards Power Saving"** on 20-27 March 2021. This awareness campaign was aimed to apprise all by switching PC/Laptops to hibernate mode for energy saving and battery optimization which involves no extra effort. The event was organized in collaboration with MCM Eco-Club to celebrate Bharat Ka Amrut Mahotsav (The Green Good Deed of the week). Prizes were awarded to Shreya Gupta, BCA II (First Prize), Navya Chhatwani, B.Com III (Second prize) and Anjali, BCA II (Third Prize).

- Our Faculty member, Ms Punam mentored one team (TEAM Name: Sarvani) Piezal Singh of BCA-II, Dakshita Dutta of BCA-II, Arushi Dhiman of BCA-I and Achirabha Singh of BCA-II for Toycathon-2021 organized by MOE's IC (MIC). Another team of B.Sc Computer Applications was mentored by Dr Renu Bala comprising Sunishtha, Kajal, Amrit, Nupur and Akanksha of B.Sc II.

- 5-Day Workshop on **"ICT & Business Communication"** was organized from 25th June 2021-30th June 2021. Around 26 participants participated in this event. In chronological order, Ms. Manmeet Kaur, Ms. Sandeep Kaur, Ms. Sonali Mehndiratta, Ms. Monika, Dr. Sunaina Jain were the resource persons of the sessions on analyzing and working with MS Excel, Google Form as collecting information tool, Online tool for merging and splitting pdf files and the art of business letter writing.

- A poster making contest was organized by DCSA under the aegis of IIC 3.0 on the topic 'Entrepreneurship'. Around 20 students participated. Cash prizes were awarded to first three winners- Arushi Dhiman of B.Sc. MFT-II got First Prize, Piezal Singh of BCA-III bagged Second Prize and Neha of BCA-II got Third Prize.

- An Online PowerPoint Presentation competition for celebrating 'India Start-up Day' was organized by the Department of Computer Science & Applications under the aegis of IIC 4.0 on the topic 'Role of Start-up and Entrepreneurship in Computer Industry' on 2 November, 2021. A total of 59 students and 05 faculty members attended the event. A total of 15 participants registered and 8 emphasized on why Entrepreneurship is important to economy and discussed their views on Start-Up India Action plan. Avneet Kaur of B.Sc. I won first prize, Rimsha of BCA I won second prize and Riddhi Sharma of BCA I got third prize.

- An Online Essay writing competition on the topic 'Grassroot Innovations in India' was organized under the aegis of IIC 4.0 for celebrating 'National Innovation Day'. This day is celebrated to commemorate the Birth Anniversary of the Missile Man of India Dr. Abdul Kalam (October 15). A total of 24 students submitted the essays on 02 November, 2021. Alisha of B.Sc.I bagged first position. Srishti of B.Sc.III got second position and Angellina Gill of BCAI secured third position.

- A Session on 'National Education Policy (NEP)' was organized by DCSA under the aegis of IIC 4.0 on 11 November, 2021. The resource person for the event was Dr. Neetu, HOD, Department of Zoology and Convener, IIC 4.0. A total of 40 students and 05 faculty members attended the session.

Participation by students in various Competitions
- 5 students participated in Virtual Inter College IT Fest 2021 held at PGGCG-11, Chandigarh on 28 May 2021. Ruhani of BCA 4th Semester got 1st prize in Movie Making, Aastha Mittal of BCA 4th Semester got 1st prize in Web Designing, Deepakshi Rawal of BCA 4th Semester got 3rd prize in Debugging , Manpreet Kaur of BCA 4th Semester got 2nd prize in E-Collage and Akshita of BCA 4th Semester got 1st prize in Extempore.

- 10 students participated in KMV'S I.T. Euphoria (Virtual Inter College IT Fest 2021) held at KanyaMahaVidyalaya, Jalandhar, Punjab from 31 May 2021 to 2 June 2021. Nikita of BCA 4th semester and Kirandeep Kaur of BCA 6th semester got 3rd prize in Logo Designing, Achirabha Singh of BCA 4th semester and Dakshita of BCA 4th semester got 2nd prize in PPT Competition.

- 27 students participated in Online National E-Poster Making Competition, SPECTRA 2021 held at Gujranwala Guru Nanak Khalsa College, Ludhiana, Punjab on 14 June 2021. Parneet Kaur of BCA 4th Semester got stood First in E-Poster Making.

- 6 students participated in Online Collage Making Contest on Theme "Medicinal Plants" organized by DCSA, Panjab University from 10 June 2021 to 14 June 2021.

DEVELOPMENT PROGRAMMES FOR FACULTY

SEXUAL HARASSMENT AT WORKPLACE PREVENTION, PROHIBITION AND REDRESSAL

The **Internal Complaints Committee (ICC)** organized a Webinar titled 'Sexual Harassment at Workplace (Act 2013): Prevention, Prohibition and Redressal' on July 17, 2020. Prof. Anand Pawar, Rajiv Gandhi National University of Law, Patiala was the resource person for the Webinar. Over 50 staff members participated in the Webinar and benefited from the insights shared by Prof. Pawar regarding various provisions of Sexual Harassment Act and its implementation at work place.

CONTENT DESIGNING AND DEPLOYMENT USING G SUITE

A five-day Faculty Development Program on 'Content Designing and Deployment using G Suite' was organized from July 20-24, 2020 by the **Department of Computer Science and Application**. The objective of this program was to familiarize the faculty with the tools available in G Suite for designing, developing, managing and delivering online lectures. 102 members of teaching faculty participated in the event. Ms. Vandana Syal, Ms. Deepti Sharda, Dr. Ritika Bansal, Ms. Deeksha Gupta and Ms. Navdeep Kaur, Assistant Professors, were the resource persons.

WORKSHOP ON LEDs

A two-day workshop on LEDs was organized by the **Department of Physics** and **Renewable Energy Committee** on November 10 and 11, 2020. The objective of the workshop was to impart practical knowledge about the basic principles of working of LED and the importance of environmental sustainability of using LED bulb. Resource person, Dr Pallavi Gupta briefed how LEDs have created a revolution in illumination technology. The workshop aimed to train teaching and non-teaching staff in assembling 9 W and 12 W LEDs. 43 staff members participated in this workshop and successfully made around 50 LED bulbs and tested them successfully at this workshop.

INVESTOR'S AWARENESS PROGRAMME'

The **Internal Quality Assurance Cell** organized a Webinar titled 'Investor's Awareness Programme' on November 18, 2020. The resource person, Mr Raghunandan Pattanaik, a National Trainer – BFSI (All India), generated awareness about various types, plans and components of investments through his presentation. Mr. Pattanaik gave a detailed account of investment options like Equity Funds, Debt Fund Categories, Systematic Investment Plans (SIP), Government Bonds as well as International funds, and the risks involved in such investments. The presentation was followed by an interactive session wherein 38 members of the teaching faculty, 6 members of the non-teaching staff and 38 students participated actively.

ENVIRONMENTAL AWARENESS: GREEN AUDIT & ITS RELEVANCE

The **Internal Quality Assurance Cell (IQAC)** of College organized a Webinar on 'Environmental Awareness: Green Audit and Its Relevance' on February 6, 2021. Mr. Gaurav Raja Prakash, National Consultant, United Nations Development Programme and Consulting Partner, UNESCO, Award-Winning Environmentalist, and Member, Institution of Engineers, was the resource person for this Webinar. Around 115 participants including students, teaching faculty and non-teaching staff participated in this event, which sensitized them about the significance of green environment and need to conduct a green audit in all large organizations.

ICT & BUSINESS COMMUNICATION

A five-day workshop on "ICT & Business Communication" was organized in the college from June 25 to 30, 2021 by the **Department of Computer Science**. The objective of this workshop was to demonstrate and give a hands-on experience to the participants for working on the electronic spread sheets and to familiarize the non-teaching staff with the tools available in G Suite for designing Google forms. Ms. Manmeet Kaur, Ms. Sandeep Kaur, Ms. Sonali Mehndiratta, Ms. Monika, Dr. Sunaina Jain were the resource persons of the various sessions. 26 members of the non-teaching staff participated in it.

Workshop on Open Educational Resources
22nd January, 2021

Mehr Chand Mahajan DAV College for Women organised a Rashtriya Uchchatar Shiksha Abhiyan (RUSA) sponsored online workshop cum awareness programme on Open Educational Resources (OER). Dr. Ramesh C. Sharma, Associate Professor, School of Global Affairs, Dr. B. R. Ambedkar University, Delhi was the resource person for this informative workshop. Participants from India as well as abroad benefitted from the workshop. Beginning the workshop with an introduction to Intellectual Property, Dr. Sharma went on to elaborate upon the meaning of OER and its potential for revolutionising the learning outcomes, what qualifies as OER, open access literature and

software, and the OER evaluation criteria. With an exhaustive list of examples of OER, Dr. Sharma gave the participants a panaromic view of the open access resources available for curating content. The queries of the participants were suitably addressed by the expert.

Principal Dr. Nisha Bhargava highlighted the relevance of this workshop by stating that OER have become an important part of educational delivery as there are hundreds of OER repositories that allow teachers and students to use and adopt content.

participants demonstrating the standing asanas like Tadasana, Vrikshasana, Trikonasana and the sitting asanas like the Gomukhasana, Vakrasana and Ustrasana. The workshop concluded with practice of stress reduction and mindfulness techniques for a holistically fruitful life. The resource persons resolved the participant's queries and doubts regarding the issues that they were facing.

Expressing appreciation for this thoughtful endeavour, Principal Dr. Nisha Bhargava, an ardent yoga follower, asserted that yoga is an invaluable gift from our ancient tradition that embodies unity of mind and body, thought and action, and is a way to discover the sense of oneness with one's own self, the world and the nature.

Workshop on Online Assessment Tools
22nd March, 2021

Mehr Chand Mahajan DAV College for Women, Chandigarh, organised a RUSA-Sponsored Faculty Development Workshop on **'Online Assessment Tools:A Step Forward'** to apprise the teaching fraternity about various Assessment tools which can make a qualitative addition to the Online Assessment in view of COVID 19. Dr K Thiyagu, Instructional Design Expert from the Central University of Kerala deliberated on the challenges involved in Online Assessment and dwelt on the relevance of various testing tools. This academic endeavour saw an overwhelming response as more than 2300 enthusiastic participants from all the Indian states and from 29 countries registered for this workshop.

Dr Thiyagu reinforced the need for teachers to develop DQ, that is, Digital Quotient as the pandemic has altered the academic spectrum all across the globe. He emphasised that teachers can add quiz and polls and use tools like Slido, Testzmov, Meeting Pulse and

Biswadip Gogoi- Copyright Issues in Translation, Dr. Manjinder Kaur Wratch- Translating Fiction on

Screen, Ms. Pragati Gupta - Copyrights in Translation and Ms. Vishakha Goyal- Translation : A Liberating Praxis.

70 participants from across the country, ranging from Jammu to Tamil Nadu and Goa to West Bengal, benefitted from the course. The participants were also awarded certificates. The workshop gave the

students hands-on- training in translation as they were made to translate certain texts and the same were evaluated by the resource persons.

5-Day Series on Data Analysis

Quality research can contribute significantly towards the development of a nation through various

inventions and innovations. Considering the present scenario where the human kind is facing new challenges often, relevant and practical research has become more significant to find feasible solutions. Keeping that in mind, a 5-day Series on Data Analysis was organized by the Post Graduate Department of Sociology from 27 August to 31 August 2020. 47 participants attended the same. The wide range of the topics included Identifying Variables, Formulation of Hypothesis, Parametric and Non-parametric tests, Analysis of Qualitative Data and Use of Mendeley Software, aimed to provide knowledge about various statistical as well as non-statistical tools to analyze and interpret data so that valid generalizations can be drawn.

Three-day Workshop on "Research and Data Analysis by using SPSS" by Department of Psychology

The workshop aimed to familiarize the participants with the statistical concepts, teach Data entry through SPSS, determine which statistical method is appropriate in a given situation and be able to discuss the merits and limitations of a particular method, use SPSS to analyse datasetsand be able to interpret output, descriptive and inferential analysis and draw appropriate conclusions following analysis. It was organized from 16th to 18th December, 2020. The resource person was Dr. Amit Lal, Data Scientist, Founder, Skills Learning Solutions. SPSS is also a versatile package that allows many different types of analyses, data transformation, and forms of output. 36 students attended the workshop. The three-day workshop was organised for keen researchers in Psychology who wished to acquire the skills and knowledge on getting started with SPSS. The workshop also aimed to enable participants to understand the concepts of statistics behind the analysis and seek to interpret the results.

"Arise": Expanding Horizons Across the Globe

A two-day Online International Webinar for empowering women to explore avenues globally titled "Arise: Expanding Horizons Across the Globe" was organized by the institution in collaboration with Maryam Ajmal Women's College of Science and Technology, Hojai, Assam to update the knowledge of participants regarding global opportunities, create awareness about various national and international platforms among youth especially women, expand the horizons of the participants academically and professionally and motivate the participants to persevere towards achieving their dreams. It was conducted from 19th to 20th December 2020. The resource persons included Ms. Harleen Deol, (International Cricketer and alumna); Prof. Tarashankar Pal (University of

Webinar on "How to start your journey as a Digital Entrepreneur"

The Start-Up Cell of the institution in collaboration with *Shrishiksha* conducted a Webinar on "How to start your journey as a Digital Entrepreneur" on 21 March, 2021.The Keynote Speaker for the event was Ms. Dhairya Gangwani (SAP Analyst, Content Creator, Mentor, and Public Speaker). The participants were given a free demo session to kickstart their journey and given tips on how to work on their initiatives and become self-employed. The session was very enriching, motivational and interactive, and it sustained the interest of the students throughout.

Workshop on "How to leverage Digital Space to Build a Career"

The Startup Cell in collaboration with Shrishiksha, conducted an online workshop on "How to leverage Digital Space to Build a Career" on March 30, 2021. The keynote speakers for the event were; Mr. Jaison Thomas, Co-founder of Bluesteak Media, Linkedin Top Voices 2021 and Telson Thomas, CEO and Co-founder of Bluesteak Media. The speakers steered the students in the direction of discovering their own niche to get started, and guided them to curate their own content, generate income and start earning. Shrishiksha's consulting team also encouraged students and agreed to provide them any requisite help for their ventures.

2019-2020

Department: Computer Science and Applications
Session: 2019-20
Programmes/Courses Offered:

- Bachelors of Computer Applications (B.C.A.)
- B.Sc (Computer Application) Elective Subject
- Post Graduate Diploma in Computer Applications (PGDCA)

Position Holders in Panjab University Examinations

Name and Class	Name of the Award/Project/Position	Name of the Agency/University	Month/Year
Tanya Singh (BCA-5thSem)	1stRank in Panjab University	Panjab University	December/2019
Riya Singh (BCA-5thSem)	2ndRank in Panjab University	Panjab University	December/2019
Tanya Bahl (BCA-5thSem)	6th Rank in Panjab University	Panjab University	December/2019
Anjanpreet Kaur (BCA-5thSem)	9th Rank in Panjab University	Panjab University	December/2019

Departmental Activities

- Swachhta Activity conducted on 30th August 2019. It aims to clean up surroundings by making every citizen accountable and to bring awareness among the youth. Approx. 220 students of BCA, B.Sc. Computer Applications, PGDCA participated.
- A motivational lecture on "Entrepreneurship" was organized in collaboration with IIC of the college on 26 Sep 2019. Mr. Pankaj Sharma & Mrs. Akashdeep Kaur, Directors, Aether Software Solutions Pvt. Ltd., Mohali were speakers on the occasion. 169 students participated.
- A workshop on "Research Papers – Oral and Poster Presentations" under Research Club of Department of Computer Science was conducted by Dr. Indu Arora and Dr.Mandeep K. Chawla on 1st Oct 2019. Approx. 30 students participated.
- A workshop on "Python Programming" was conducted by Mr. PrasenJitJha & Mr. Sandeep Sharma from SebizInfotech Pvt. Ltd on 3 Oct 2019. 70 students participated.
- An Inter-class Poster-making competition using Photoshop/ CorelDraw was organized on 4 Oct 2019. 12 students participated in the event.
- A Poster presentation on Innovation was organized in collaboration with IIC on 5 Oct 2019. 7 students participated in the event.
- An Online Logo Competition (NEAT) was organized in collaboration with IIC on 24-25 Oct 2019. 7 students participated in the event.

- DST sponsored I.T. Quiz as part of Science Fest on 17th February, 2020 was organized on Theme "Emerging Trends in Science and Technology". It aims to expand one's knowledge and promote students to think out of the box in the emerging field of I.T. There were 17 teams (with two participants in each team) from different colleges. It was organized by Department of Computer Science & Applications under the aegis of Department of Science & Technology & Renewable Energy.

- Best out of Waste Competition (Swachhta Activity) was organized on 27th Jan 2020. This competition aims to inculcate the culture the reusing, recycling and making useful or decorative products out of waste material available in surroundings. 69 students participated.

- During Lockdown, E-Poster/E- Collage making Competition was organized dated 30th April 2020 on themes: "Abhinandan: A salute to our Covid Warriors" and "Swachhta se Swastthakiaur: Fight Covid 19 with Cleanliness and Social distancing". 29 students participated.

- Another activity organized during Lockdown was, National Webinar on Ethical Hacking & Cyber Security on 9th June 2020. It was attended by 77 participants. Resource person was Sh. ArunSoni, Director TCCS, Author, Cyber security trainer, Certified Ethical hacker (CEH) and Limca Book of records Holder.

Participation by students in various Competitions

- 25 students participated in Inter-college IT fest (Tech Beats 2K19) held at SGGS College Sector 26, Chandigarh on 15 Nov 2019. Naghma Firdous and Sonalika Grover of BCA 3rd Sem got Ist prize in E-waste, Muskan Sabharwal and KirtiKashyap of BCA 3rd Sem got Ist prize in Web development, Alisha Kaneja of BCA 3rd Sem got Ist prize in Photography, Neha Dogra of BCA 3rd sem got Ist prize in Poster Presentation, Achirabha of BCA IstSem got 2nd prize in Poster Making, Chitra of BCA 3rd sem & team got 3rd prize in Group dance.

- 13 students participated in Inter-college IT fest, GCCBA-Sec 50, Chandigarh held on 17th February 2020. Naghma Firdous from BCA 2 got first prize in Logo Designing. Kirti Kashyap & Riya from BCA 3 got second prize in Web Designing. Shrishti & Anushi from B.Sc. 1 got third prize in IT Quiz. Anam Fatema & Ritika from BCA 3 got second prize in Debugging. Prerna from B.Sc. 3 got second prize in Treasure hunt.

- 13 students participated in Essay Writing competition (to celebrate National Science Day), Topic: Women in Science organized by Chandigarh Renewable Energy and Science& Tech (CREST). It was held on 25th February 2020. Nikita from BCA 1 got consolation prize and Kamakshi from BCA 3 got 2nd prize.

- 17 students participated in BIZZTECH 2020 Inter-college IT Fest, organized by PGGC-11, Chandigarh (BIZZTECH 2020). It was held on 27th February 2020. Naghma Firdous and

MENTAL HEALTH AND EMOTIONAL WELLNESS

The **NSS units and Geetanjali Counselling Helpline Committee,** with a view to help NSS volunteers learn about management of mental health during the pandemic, organized a webinar titled 'Mental Health and Emotional Wellness in the COVID-19 Pandemic: Coping with Anxiety and Depression' on May 11, 2020. Dr. Nitasha Khehra, Assistant Professor, Postgraduate Department of Psychology and Convenor, Geetanjali Counselling Helpline Committee conducted the webinar that witnessed an enthusiastic participation of over 40 NSS volunteers.

IMPACT OF LOCKDOWN ON ECONOMY

The **Postgraduate Department of Economics** organized a webinar that deliberated upon the 'Impact of Nationwide Lockdown on Indian Economy' on June 2, 2020. Mrs. Rama Kashyap, Former Head, Department of Economics was the resource person. Delving systematically into the different ways Indian economy suffered a setback due to the lockdown, Mrs. Kashyap apprised around 97 participants of the meaning of lockdown in economics and gave an overview of its impact on the global economy.

STRENGTHENING THE LIFE SKILL
OF COMMUNICATION FOR BETTER JOB PROSPECTS

The **IQAC** in collaboration with the **Department of Mass Communication** and **Career Counselling Cell,** organized a Webinar on 'Strengthening the Life Skill of Communication for Better Job Prospects' on June 11, 2020. The Resource Person was Mr. Raj Kumar Jha, Director, Rural Campus who has been actively involved in designing communication related to HIV, TB, Sanitation, Safe Water, Immunization, Pulse Polio, Hand Wash etc. with State Innovation Cells in Family Planning Services Project Agency (SIFPSA), National Rural Health Mission, National Aids Control Organization, Naandi Foundation etc. This webinar which focussed on the value of Communication Skills in improving one's job prospects in the industry was attended by 8 members of the staff and 76 students.

ETHICAL HACKING AND CYBER SECURITY

The **Department of Computer Science and Applications** organized a national webinar on "Ethical Hacking and Cyber Security" on June 9, 2020. Sh. Arun Soni, Director TCCS and a Certified Ethical Hacker and Limca Book of Record holder was the key speaker for the event. The speaker apprised the participants of many key concepts related to cyber threats and security including Hacking, Stacking, Identity theft, misusing of QR Codes, Scam alerts related to UPI apps, Phishing etc. He also gave practical suggestions to 71 participants to secure their websites, emails and social media accounts.

APACHE OPEN-OFFICE

The **Department of Computer Science and Applications** organized a 6-day workshop on Apache Open-Office from January 3 to 9, 2020. Prof. Sanjay Kaushik, Dean, College Development Council, Honorary Director, ICSSR and Professor, University Business School, Panjab University, Chandigarh was the Chief Guest. The sessions of the workshop, conducted by Dr. Geetika Singh, Ms. Priyanka and Ms. Sandeep, Department of Computer Science and Applications, was designed to introduce the concept of open-source software and provide the participants an opportunity to learn Apache Open-Office, one of the leading open-source office suites. It witnessed an enthusiastic participation of 44 staff members and students.

AESTHETICS OF BOTANY

A two-day Rashtriya Ucchatar Shiksha Abhiyan (RUSA) sponsored workshop on 'Aesthetics of Botany' was organized by the **Department of Botany** from January 28 to 29, 2020, the workshop was attended by 40 students. On the first day, Dr. Bharati Thakur and Dr. Puja Sharma, Assistant Professors cum Scientists, Dr. Y. S. Parmar University of Horticulture and Forestry, Dr. Yspuhf, Nauni, Solan delivered lectures on lawn establishment and management, terrariums, bonsais, dry flower making, their preservation and uses, adding colour to landscapes and identification of landscape plants. On the second day, Professor cum Scientist Dr. J. S. Wazir from Regional Horticultural Research and Training Station, Mashobra, Shimla, gave practical insights into the concepts of container gardening, plant propagation and house plants and their care during three comprehensive field learning sessions.

CYBER PRIVACY AND YOU

The **Alumni Committee** organized a workshop titled 'Cyber Privacy and You' on February 6, 2020. Conducted by Mr. Sandeep Suri, Advocate, Punjab and Haryana High Court, and scholar under the British Council of Law, it sensitised the students about various breaches in cyber privacy that are possible in today's times. It covered a range of cyber privacy issues from the hacking of passwords to working of the dark web. Mr. Suri also gave valuable suggestions to deal with privacy issues. Nearly 80 participants attended this informative workshop.
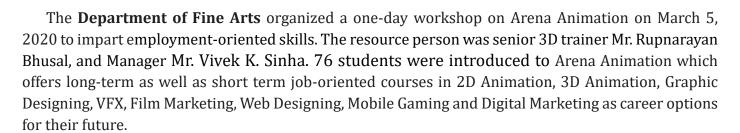
BUSINESS MODEL CANVAS

The **Institution Innovation Council** held a workshop on 'Business Model Canvas' on March 2, 2020 with the intention to promote the culture of entrepreneurship among students. The resource person for the workshop was Ms. Prerna Kalra, Founder, Open Hand Solutions. The workshop witnessed an enthusiastic participation of 82 students wherein Ms. Kalra provided hands-on training on the preparation of various kinds of business proposals.

SOLID WASTE MANAGEMENT

The **Swachhata Committee,** under the aegis of the Ministry of Housing and Urban Affairs (MoHUA), Government of India and National Institute of Urban Affairs (NIUA), organized a workshop on Solid Waste Management (SWM) on March 4, 2020. During the workshop, MoHUA officials visited the college and inspected various sustainable waste management practices undertaken by the college including biogas production from the waste generated by the college mess, vermicomposting, compost making from garden waste, oyster mushroom cultivation from agricultural and eco-enzyme production from kitchen waste. 50 students participated in the workshop. The visiting officials appreciated the institutional model of environment-friendly waste management practices.

ARENA ANIMATION

The **Department of Fine Arts** organized a one-day workshop on Arena Animation on March 5, 2020 to impart employment-oriented skills. The resource person was senior 3D trainer Mr. Rupnarayan Bhusal, and Manager Mr. Vivek K. Sinha. 76 students were introduced to Arena Animation which offers long-term as well as short term job-oriented courses in 2D Animation, 3D Animation, Graphic Designing, VFX, Film Marketing, Web Designing, Mobile Gaming and Digital Marketing as career options for their future.

AWARENESS PROGRAMME

ORIENTATION ON ANTI-RAGGING

The **Anti Ragging Cell** and the **Geetanjali Counselling Helpline** under the aegis of IQAC conducted an Orientation Programme for First Year Students in the Hostel on September 27, 2019. 202 hostel residents were sensitized by Dr. Nitasha Khehra and Ms. Baljeet Kaur Tiwana about the menace of ragging and the main objectives of the Counselling Helpline, a student support service. Various prohibitions and laws stipulated by the UGC and Hon'ble Supreme Court of India concerning ragging were shared with the students. The students were also informed about the availability of mental health-care facility in the form of Geetanjali Helpline.

FACULTY DEVELOPMENT PROGRAMMES

FOR TEACHING AND NON-TEACHING STAFF

WEBINAR ON PSYCHOLOGICAL WELL-BEING

The **Internal Quality Assurance Cell** organized a Webinar on 'Psychological Wellbeing during Pandemic Covid-19' for the teaching faculty and non-teaching staff of the college on May 14, 2020. The Resource Person, Dr. Neha Pandeya, Assistant Professor from the Postgraduate Department of Psychology of the college, dwelled upon various strategies and techniques to help participants cope with the psychological issues such as fear, depression, negativity etc. caused by the Pandemic and lockdown. The Webinar was attended by 70 participants who learnt about the significance of deep breathing, mind chatter, gratitude and prayer in beating stress and tension.
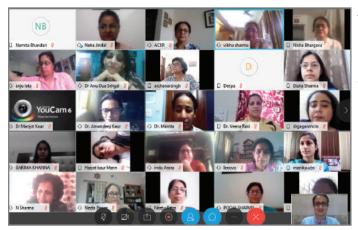
WORKSHOP ON MIS

The **Internal Quality Assurance Cell** organized a one-day Workshop on 'MIS-Output, Reporting and Generation of Reports' on February 8, 2020 to apprise its stakeholders of various aspects of the management information system. Mr. Suman, from Infoway IT Solutions Private Limited, Chandigarh was the resource person. He demonstrated the functioning of various modules of MIS to the teaching faculty. The workshop was attended by 130 members of the teaching faculty.

WEBINAR ON E-LEARNING

The **Internal Quality Assurance Cell** in collaboration with the **Department of Mass Communication** organized a two-day webinar on 'Designing and Developing E-Learning' on May 12-13, 2020. Prof. Archana R. Singh, School of Communication Studies, Panjab University, Dr. Anu Dua Sehgal, Social Media Strategist, Ideator and Content Creator, and Dr. Neha Jindal, Assistant Professor, Symbiosis International (Deemed) University, Pune were the resource persons who gave hands-on training to 90 members of the faculty in handling various aspects of e-learning like designing and developing e-content, online assessment, use of social media. Questions from the participants were taken up during the interactive sessions.

SOCIAL OUTREACH PROGRAMMES

DONATION DRIVE

The **NSS Units** organized a donation drive from August 26–27, 2019 for the victims of floods that hit many villages of Punjab following incessant rains in August 2019 and helped the Khalsa Aid Organization which was working for the cause. The drive was organized in association with Sacha Dham Gurudwara, 3B2, Mohali. In this drive, volunteers collected various items including cereals and pulses, sugar, biscuits, mosquito repellents, soaps, sanitary napkins and hand sanitizers to help the flood victims.

GREEN AND CLEAN ENVIRONMENT

The **NSS Units** of the College organized a Tree Plantation Drive on February 14, 2020 to maintain a Clean and Green Environment. 40 volunteers along with Principal Dr Nisha Bhargava and NSS Coordinators Dr Pallavi Rani and Dr Purnima Bhandari planted several saplings of air-purifying plants including ficus. A Nukkad Natak on the theme of 'Environment' was also performed to sensitize the students about issues such as waste generation and segregation, harmful effects of plastic, and reducing dependence on single-use plastic.

Animation
(Skill Development Committee)

Animate the Inanimate

The Skill Development Committee in collaboration with National Skill Development Corporation, Government of India organized a three-day "Workshop on Animation" from May 27-29, 2020. A total of 85 candidates participated in the workshop. The workshop was focused on imparting knowledge of the tenets and scope of 2D animation along with online practical demonstration. The aim of the workshop was to provide the students with a basic knowledge of 2D animation which could help them express their own creative ideas using user-friendly animation software. The practical sessions for 2D animation were conducted using ToomBoom software by Mr. Stephen O'Keeffe. He stated that it is inspiring to see a rough drawing transform into a living, breathing character. He shared with the students the powerful experience of hands-on feeling of crafting motion, emotion, and believability from just a few drawings. Once students were familiarized with the required tools, they were shown how to create a simple animation using software.

French Phonetics Workshop

A-E-I Bonjour: French Phonetics Workshop

With an objective to help students learn how to recognise and distinguish sounds, improve pronunciation and gradually acquire natural expression, the "French Phonetics Workshop" was organized from 14-15 June, 2020. 18 participants attended the Workshop. The workshop was organized for the students of the French Language Certificate Course of the college. It aimed at teaching the pronunciation, understanding of French native speakers and to gradually acquire a perfect accent. The first day aimed at acquainting the participants with various accents of French language and the phonetic signs and sounds. On the second day, the participants were taught and made to practice a couple of things like facial exercises and producing particular sounds to hone their French accent followed by teaching them the

2018 - 2019

Department of Computer Science and Applications
Department Report 2018-19

Position Holders in Panjab University Examinations

Name and Class	Name of the Award/Project/Position	Name of the Agency/University	Month/Year
Sonalika Grover (BCA 1st Sem)	3rd Position	Panjab University	Dec-18
NAGHMA FIRDOUS (BCA 1st Sem)	5thPosition	Panjab University	Dec-18
Mehak Sharma (BCA 1st Sem)	5thPosition	Panjab University	Dec-18
Anjanpreet Kaur (BCA 3rd Sem)	7thPosition	Panjab University	Dec-18
TANYA SINGH (BCA 3rd Sem)	10thPosition	Panjab University	Dec-18
ANAMIKA (BCA 5th Sem)	4thPosition	Panjab University	Dec-18
NAGHMA FIRDOUS (BCA 2nd Sem)	4thPosition	Panjab University	May-19
MUSKAN SABHARWAL (BCA 2ND SEM)	9th Position	Panjab University	May-19

Departmental Activities

A Workshop on "Content Management System: WordPress" was conducted by Ms. Jyoti Sharma, Deputy Director, NIELIT, Chandigarh on 6th October 2018. 60 students participated in the workshop.

Inter-college IT fest dated 12th October2018 organized by PGGC-Sec 46, Chandigarh. Naghma Firdous and Muskan Sabharwal from BCA I got Ist position in E-Collage.

Inter-College Presentation Competition on Digital India: Essentials, New Age Services and Challenges (DST Sponsored) was organized on 16th October 2018. 21 Students from 13 colleges participated in the event.

Inter-college IT fest dated 31st October2018 organized by GGSCW-Sec 26, Chandigarh. Rohina and Pinky from BCA I got Ist position in Face Painting. Naghma Firdous and Sonalika from BCA I got 2nd Position E-Waste Model Making.

Awareness Session on E-waste Management was organized on 19th November 2018. Resource person for the session was Mr. Vivek Shrivastava, Godrej & Boyce Pvt. Ltd. 170 students and faculty of DCSA attended the session.

Department participated in Cleanest Science Labs competition under Swachhta Cell of the MCM DAV College for Women. Got 3rd position in Sparkle: Lab Excellence Award 2018. It was held on 29th November 2018.

A Workshop on "IT Security (Desktop, Network & Web): Scope and Emerging Trends" was conducted by Mrs. JanpreetBedi, Head Chandigarh Operations, Appin Technology Lab (ATL), Chandigarh on Feb 13, 2019. 37 students participated in the workshop.

Extension lecture cum workshop "Reading and Analysis of Research Papers: Practical Demonstration" on 15th Feb, 2019 under Research Club of Department of Computer Sci. by Dr Mandeep K. Chawla. There were 30 participants.

A Lecture-cum-Workshop on "Digital Communication" was organized as a part of National Science day Celebrations on Feb 25, 2019 sponsored by Punjab State Council for Science & Technology, Chandigarh. Sh. Saurabh Kaushal, Managing Director, FlipflopInforesc Labs, A startup initiative of NITTTR, Chandigarh was the resource person on the occasion. 77 students participated in the session.

23 students participated in Inter-college IT fest (OSMIUM 2019) organized by PGGCG-Sec 42, Chandigarh on 26 Feb 2019.Sonalika and Naghma of BCA 2nd Semester got first prize in e-waste modelling (Kritansh).

21 students participated in Inter-college IT fest (PHOENIX 2019) dated 27th February 2019 was organized by GGDSD-Sec 32, Chandigarh. Naghma of BCA 2nd Sem got 3rd prize in Sketching, Mehak of B.Sc. I got 2nd prize in Collage Making, Kirti of BCA 4th Sem and Harshita of BCA 5th Sem got 3rd prize in web Development, Pinki and Nidhi of BCA 2nd Sem got 2nd prize in Face painting.

Intra College E-Waste Model Making Competition as Swacchta initiative was organized on 6 Mar 2019. 20 students participated in the event.

16 students participated in Inter-college IT fest (YUVCLIQUE 2019) organized by GCCBA- 50 Chandigarh on 6 Mar 2019.Sonalika of BCA 2nd Sem and Kamakshi of BCA 4th Sem got Ist prize in Debugging, Rohina and Pinki of BCA 2nd Sem got 2nd prize in Face Painting, Kirti of BCA 4th Sem&Harshita of 6th Sem got Ist prize in Web Development.

9 students participated in Inter-college IT fest (EPSILON 2019) organized by DCSA, PU, Chandigarh on 6 Mar 2019. Naghma of BCA 2nd Sem got Ist prize in E-collage, Aditika of BCA 2nd Sem got 2nd prize in Slide Swapper.

Department organized inter-college iTech-Fiesta 2019 on April 2, 2019 and conducted the events- Unlocking Minds (IT Quiz), Mind Maze (Website Development),Bug Blaster (Debugging), Think & Link (e-poster Making), Poster Pitch (Poster Presentation),Srujan (e-Waste Modelling), Slide Swapper (On the spot PPT designing). Participants from 14 colleges participated in the event. Dr. Nandita Shukla Singh, Dean International Students, Panjab University Chandigarh graced the occasion as Chief Guest. 170 students participated in the event.

A One-week Workshop on "Digital Literacy Workshop for Senior Citizens" was conducted from 20-27 May 2019. Faculty of the department were the resource persons. There were 17 participants.

Research Presentation by Students

- Sahiba Goyal & Sidhi Jain of BCA 6th Sem got Ist prize in Poster presentation in Micro conference on "IoT-Paving the way Towards a Better Future" organized by Chitkara University on 16 Feb 2019.

- SimranAnand of BCA 6th Sem presented paper entitled "Bitcoin: Finances, Technology, Organization and Beyond" in 13th Chandigarh Science Congress (CHASCON 2019), Panjab University Chandigarh held on Mar 14, 2019.

- Daya of BCA 6th Sem presented paper entitled "Intelligent Traffic Management Systems: Technology Aspects, Scope and Current Trends" in 13th Chandigarh Science Congress (CHASCON 2019), Panjab University Chandigarh held on Mar 14, 2019.

Skill Enhancement Computational Mathematics Workshop on MATLAB
Conducted by the Department of Mathematics
1st and 2nd November, 2018

The Postgraduate Department of Mathematics at Mehr Chand Mahajan DAV College for Women organized a 2-day skill enhancement workshop on Computational Mathematics Workshop on MATLAB. Sponsored by Rashtriya Uchchatar Shiksha Abhiyan (RUSA), the workshop had Prof. Gurmeet Kaur Bakshi, Chairperson, Department of Mathematics, PU as the Chief Guest for inaugural session. The workshop was conducted by Dr. Anuj Sharma, Assistant Professor, Department of Computer Science and Applications, PU and witnessed enthusiastic participation of over 80 students. During the two days of highly informative sessions on MATLAB, Dr. Anuj apprised the participants of the multidisciplinary applicability of the software, its basics, and user-defined functions. A MATLAB test was also organized after the workshop in which Pooja (M.Sc.II) stood 1st, Oshin (M.Sc.II) came 2nd and Pragati (M.Sc.II) won the 3rd prize. Prof. S.K. Tomar, Department of Mathematics, PU presided over the valedictory session and gave away certificates to the participants and winners.

DIGITIZING INDIA: AN ENDEAVOUR TO EMPOWER AND TRANSFORM BUSINESS

The **Postgraduate Department of Commerce** organized an ICSSR sponsored **National Seminar** on November 15, 2018 on the topic - "Digitizing India: An Endeavour to Empower and Transform Business' which was inaugurated by Dr. Dinesh Dua (Chief Executive Director, Nector Life Sciences), Mr. Sofi Zahoor (Senior Director, HR & Operations, Quark) and Dr. S. C. Vaidya (Member, GGDSD Society). The concurrent technical sessions were addressed by Prof. Sudesh, University School of Management, KU, Kurukshetra; Prof Devinder Sharma, Professor, Department of Commerce, HPU, Shimla; Dr. Anu Gupta, Professor, Department of Computer Science, PU, Chandigarh; Mr. Deepak Kansal, Managing Director, XEAM Ventures Pvt. Ltd. and Dr. Tejinder Pal Singh as resource persons. During these sessions 18 papers by young scholars and researchers were presented. These were later published in the form of a Book (with ISBN) edited by two faculty members of the department- Ms. Raman Ghuman and Dr Gunjan.

EMERGING TRENDS AND INNOVATION IN MATHEMATICS

The **Postgraduate Department of Mathematics** organized a DCDC sponsored **National Seminar** on 'Emerging Trends and Innovation in Mathematics' on February 10, 2019. It aimed to apprise the students of the latest advancements in the discipline. Prof. Sanjay Kaushik, Dean College Development Council, PU graced the seminar as its Chief Guest and Sh. H. R. Gandhar, Senior Governing Body Member, DAV College Managing Committee, New Delhi was the Special Guest. The seminar witnessed an enthusiastic participation of over 200 faculty members, researchers and students from institutions across the country.

Delivering the Inaugural Address, Prof S. K. Tomar, Department of Mathematics, PU drew attention towards the application of Mathematics in diverse areas like aerospace engineering, weather prediction, biomedical engineering, computer engineering and agricultural engineering apart from its use in day to day life. Presentations on 'Modelling of Hydrodynamic Instabilities in Porous Media Flows' by Dr. Manoranjan Mishra, Department of Mathematics and Department of Chemical Engineering, IIT, Ropar; 'Reversible Rings and its Generalisations' by Prof. D. K. Khurana, Department of Mathematics, PU and 'Optimisation and its

WORKSHOPS

ART OF PHOTOGRAPHY

A Workshop on Photography was organized by the **Department of Mass Communication** and the Photography Club on August 29, 2018 with the aim of providing the budding photographers with basic knowledge in the art of photography. Students participated enthusiastically in the hands-on training conducted by Mr. Rajnish Katyal, a noted photo-journalist of the city. He elucidated various nuances of photography, citing relevant examples from his career in photojournalism spanning over 3 decades.

FUN WITH SCIENCE @ FOLDSCOPE

The **Department of Food Science** organized a series of Workshops under the Foldscope Project, sponsored by DBT, Ministry of Science and Technology, Government of India from August 31, 2018. The purpose of the project was to promote innovation by encouraging novel thinking among students and motivating them to experiment with new ideas and concepts. The students were given hands on training by experts to assemble the Foldscope microscope and use it to view different food, plant and animal tissue samples.

BASICS OF RESEARCH METHODOLOGY

The **Postgraduate Department of Economics** organized a RUSA sponsored workshop on 'Basics of Research Methodology'. Conducted by Dr. Tejinderpal Singh, Associate Professor, UBS, PU, Chandigarh on October 5, 2018, the workshop sought to develop an aptitude for research among students, and promotion of quality through the application of SPSS for Research purposes.

CONTENT MANAGEMENT SYSTEM: WORD PRESS

The **Department of Computer Science and Applications** organized a **Rashtriya Uchchatar Shiksha Abhiyan (RUSA)** sponsored workshop on 'Content Management System: WordPress' on October 10, 2018. The objective of the workshop was to create an understanding among the participants about WordPress as a platform for content management and web publishing, and also to help them grasp the practical aspects of this platform. Ms. Jyoti Sharma, Deputy Director, National Institute of Electronics and Information Technology, Chandigarh conducted this workshop which witnessed an enthusiastic participation of 68 students.

SANITARY NAPKIN MAKING AND DONATION DRIVE

In an event seeking to further the cause of Swachhata, the **Women Development Cell,** under the aegis of **IQAC**, organized a workshop on Sanitary Napkin Making on February 22, 2019. Mrs. Jyotsna Khanna, Head, Department of Home Science conducted this unique workshop wherein the participants learnt to make affordable eco-friendly sanitary napkins from materials easily available at home. The Cell also organized a Sanitary Napkin Donation Drive that witnessed an enthusiastic contribution by staff and students in making menstrual hygiene possible for the women from the underprivileged sections of the society.

COMPUTATIONAL MATHEMATICS ON MATLAB

The **Postgraduate Department of Mathematics** organized a 2-day skill enhancement workshop titled 'Computational Mathematics on MATLAB' sponsored by **Rashtriya Uchchatar Shiksha Abhiyan (RUSA)** on November 4 and 5, 2018. Prof. Gurmeet Kaur Bakshi, Chairperson, Department of Mathematics, PU, Chandigarh was present as the Chief Guest for the inaugural session. The workshop, conducted by Dr. Anuj Sharma, Assistant Professor, Department of Computer Science and Applications, PU witnessed an enthusiastic participation of over 80 students. During the highly informative sessions on MATLAB, Dr. Anuj apprised the participants of the multidisciplinary applicability of the software, its basics, and user-defined functions. Prof. S. K. Tomar, Department of Mathematics, PU presided over the valedictory session.
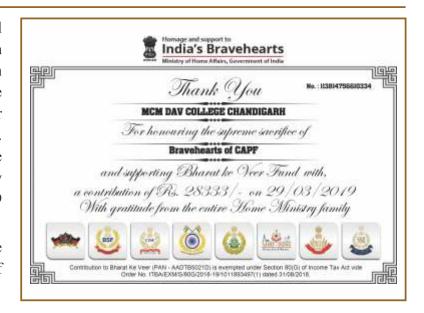
SUSTAINABLE URBAN FARMING

The **Skill Development Committee** organized a series of Workshops from July 2018 to June 2019 on Sustainable Urban Farming in which Mr. Rahul Sharma, the resource person, taught the participants how make soil beds, sow seeds and control predators of plants. Beginning from August 23, a total of 11 workshops were held out of which three were sponsored by RUSA. Several fruit trees including those of tamarind, pomegranate, lichi and plum were purchased and planted at various places in the college. A variety of vegetables such as lady fingers, carrots, radishes, broccoli, spinach, onion, lettuce etc. were also grown by the students apart from micro greens, makka, bajra, and lobia beans.

DONATION FOR BHARAT KE VEER

Conscious of their National responsibility, a group of 10 students from diverse streams organized a **Fund Collection Drive** to extend financial assistance to the bravehearts who have sacrificed their lives for the country. They collected a sum of Rs. 28,333/- and contributed the same to 'Bharat Ke Veer,' a philanthropic initiative of the Ministry of Home Affairs, Government of India on 29 March, 2019.

Their effort was recognized by the Ministry in the form of a Certificate of Appreciation.

PROJECT SAARTHI

7 **NSS volunteers** of the college took part in SAARTHI, a joint initiative by the Chandigarh Red Cross Society and Chandigarh NSS Cell, to provide services to the patients and their attendants at PGIMER. They assisted the staff and guided patients to appropriate departments for treatment. The volunteers also extended guidance and support to the needy patients and their attendants visiting the new OPD Block of the PGI and also provided physical help by lifting patients, moving their trolleys/wheelchairs in the case of need.

DIGITAL LITERACY WORKSHOP FOR SENIOR CITIZENS

The **Department of Computer Science and Applications** organized a one-week workshop on 'Digital Literacy for Senior Citizens' from May 20 to 27, 2019. It focused on providing the senior learners a working knowledge of writing, formatting and printing letters using MS Word, managing data with basic operations using MS Excel, creating slideshows with MS PowerPoint, browsing the Internet, using Social Media, making online reservations and bookings, understanding payment gateway and filing online income tax return. The faculty of the college volunteered as resource persons for this workshop. 17 Senior Citizens attended the sessions enthusiastically and enjoyed their first steps into the digital world.

2017 - 2018

Department: Computer Science and Applications

Session: 2017-18

Programmes/Courses Offered:

- Bachelors of Computer Applications (B.C.A.)
- B.Sc (Computer Application) Elective Subject
- Post Graduate Diploma in Computer Applications (PGDCA)

Position Holders in Panjab University Examinations:

Name and Class	Name of the Award/Project/Position	Name of the Agency/University	Month/Year
ROOPASANA DHILLON (BCA 3rd Sem)	7th Rank	Panjab University	Dec-2017
TANYA SINGH (BCA 2nd Sem)	9th Rank	Panjab University	May-2018
ROOPASANA DHILLON (BCA 4thSem)	5th Rank	Panjab University	May-2018
ANAMIKA (BCA 4thSem)	9th Rank	Panjab University	May-2018
MRIDULA KHURANA (BCA 4thSem)	9th Rank	Panjab University	May-2018

Departmental Activities:

- A session on 'Inside a computer' for BCA I by Mr. Kishore (Lab Assistant, DCSA) and Mr. Pawan(North India Computers)(19/8/2017).
- A session on 'Awareness on 'Digital payments and Career Opportunities' by SBI and AMC Academy respectively on September 15, 2017. Digital payments report was sent to Dean, College Development Councils per their requirement. The main focus was to guide the students on various career options that are available in IT sector and make them aware of different methods that can be adopted for making payments digitally. Speakers from SBI, Mr. R. S. Narwal, Chief Manager, Regional Office, Mr. Inderjit Singh, Customer Associate and Mr. Sahil, Area Manager, SBI Card, interacted with the students and explained the applications and procedures initiated by SBI that can be adopted for digital payments. Speakers from AMC Academy, Chandigarh, also enriched the students with different career alternatives to choose from and succeed in today's competitive world.
- Two students (Kanika, PGDCA; Diksha, BCA2)availed facility of 'Earn While You Learn' offered by MCMDAV CW, Chandigarh during holidays from 30th Sep, 2017 to Oct 9, 2017.

- Department OF Computer Science and Applications organized two-day event "iTech Fiesta 2017" on 25-26th October,2017. This event included technical and cultural events. The competition was open for the students of classes BCA, PGDCA, B.Sc. (Computer Applications) of the department. Theme of the event for technical events (Presentation Competition, IT Quiz, Debugging in C/Java and Collage in MS Paint/Photoshop) was any topic related to "Latest Trends in Information Technology", while theme of the cultural events (Dance, Skit and Rangoli) was IT-based with social relevance like Cyber Crime, Social Networking sites etc. This event was sponsored by Infomaths, Sec 35, Chandigarh. Mr. Ajay Kapoor, Senior faculty, Infomaths delivered a lecture on "Shortcut Techniques to solve Mathematical problems". They also conducted lucky draw and three students were given prizes and discount coupons.

Item	No. of participants/team	Duration	Language/Software	Mode	No of teams reported
Quiz	1 per team	30 mins	MCQ's/Fill in the blanks (written)	-	19
Presentation Competition	1 per team	6-7 mins + 1 min for Q/A	-	Pre-pared	6
Debugging	2 per team	45 mins	C/C++/JAVA	On the spot	9
Collage	2 per team	1 hour	Photoshop/Paint	On the spot	16
Skit	3-8 per team	8-10 mins	Any IT theme preferable	Pre-pared	2
Dance	3-8 per team	4-5 mins	Any IT theme preferable	Pre-pared	5
Rangoli	2 per team	1 hour 30 mins	Any IT theme preferable	Pre-decided	29

List of Prize Winners:

Presentation Competition
      Ist prize: Siddhi BCA2
      IInd Prize: Mridula Khurana BCA2
      IIIrd Prize: Simran Anand BCA2
IT Quiz
      Ist prize: Anamika of BCA2
      IInd Prize: Srishti Thakur of BCA
      IIIrd Prize: Jesica of B.Sc.1(Voc.)
Debugging in C/Java
      Ist prize: Prabhsimran Kaur and Simran Chawla of BCA3

IInd Prize: Harshita Rawat and Anamika of BCA2

Collage in MS Paint/Photoshop

    Ist prize: Ishita Ahuja and Shivangi of BCA3

    IInd Prize: Priyanka and Arpita of B.Sc.3(Voc.)

Dance

    Ist prize: B.Sc.1(Voc.): Roshi, Prerna, Kriti, Avneet, Lovleen Kaur, Apeksha Singh, Aditi, Nitesh

    IInd Prize: BCA 1: Muskaan Premy, Seema, Kajal, Sifat, Palkin, Shivangi, Avantika, Gavnesha

Skit

    Ist prize: B.Sc.(Voc.): Simarleen Kaur, Jasleen Kaur, Riya Khurana, Mink Mittal, Rashi Sharma, Heman, Harseerat Kaur, Navneet Brar

Rangoli

    Ist prize: Kanika and Tanya of PGDCA
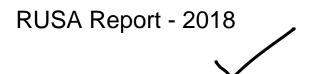
    IInd Prize: Tanu Tandon and Parul of B.Sc.3 (Voc.)

    IIIrd Prize: Pragya and Gunjan of B.Sc.1(Voc.)

    Consolation Prize: Avneet and Loveleen of B.Sc.1(Voc.)

- Department got 'Certificate of Appreciation' for Swachh Bharat while participating in Cleanliness of Lab/Deptt Room for securing Second Position (Oct, 2017)
- Dr. Mandeep Kaur Chawla organized an extension lecture on 'How to read a Research paper' followed by practical demonstration on November 9, 2017 for BCA II year students
- Sh. Sudhir Grover of Infomaths delivered a lecture on Vedic Maths to November 11, 2017 BCA II year students.
- Students from the department also participated in many inter-college IT Fests organized by various colleges in the city.
  - Kirti & Ritika Thakur from BCA-I got 2nd prize in Debugging, Ishita Singla & Radhika from BCA-III got Ist prize in Collage Making and Shivangi & Ishita Ahuja from BCA-III got 2nd prize in Face Painting in PGGC-11 on 16th March, 2018.
  - Ishita Singla & Radhika from BCA 3 got 2nd prize in Collage-Making in SGGS-26 on 21st March, 2018.
  - In Treasure Hunt, Sakshi & Preetika from B.Sc.(Comp. App) got 2nd prize in DCSA, Panjab University on 24th March, 2018
- ==Department of Computer Science and Applications organized a 7-day workshop on "Web Applications Development using PHP" from 28th May to 4th June, 2018. Sh. Pankaj Sharma, Technical Head, NetMax Technologies Pvt. Ltd, Chandigarh was the Resource Person. The workshop focused on pragmatic aspects of enhancing knowledge and skills of students in developing dynamic and interactive web pages.==

Research Activities:

- Komalpreet Randhawa and Nidhi Sawhney from BCA II presented paper titled: "AI-Assisted Crime Prevention: Practices and Technology Instances" in International

Workshop on Basics of Research Methodology with particular reference to SPSS
Conducted by the Department of Economics
5th October, 2018

RUSA has contributed immensely to the growth of the institution, both in terms of staff upgradation and infrastructure. Preparatory and Infrastructure Grants received under this mission have transformed the spectrum of higher learning.

New tools of pedagogy with emphasis on ICT, skill-oriented sessions with students, have contributed to creating more stimulating academic ambience in the college. More advanced teaching-learning resources, better laboratories and upgraded infrastructure have, surely, contributed to the over-all growth of our institution.

Capacity Building programmes organised for the students under the aegis of RUSA have brought about a positive change in the system and have also reinforced a strong sense of motivation and team-spirit and have facilitated a rich academic ambience in the institution.

The Postgraduate Department of Economics at Mehr Chand Mahajan DAV College for Women organised a workshop on 'Basics of Research Methodology' here today. Held under the aegis of Rashtriya Uchchatar Shiksha Abhiyan (RUSA), the resource person for the workshop was Dr. Tejinderpal Singh, Associate Professor, UBS, PU. During this highly informative workshop, Dr. Singh shed light on the nuances of research methodology including research design, sampling, data analysis using SPSS and data presentation. The expert elucidated the concepts related to research with the help of relevant examples for effective understanding, making the workshop extremely beneficial. Participants along with the faculty members expressed deep gratitude to the resource person for sharing his valuable guidance.

Workshop and Hands on Training of Web Development with Word Press
Conducted by the Department of Computer Science and Applications
6th October, 2018

The Department of Computer Science and Applications organised a Rashtriya Uchchatar Shiksha Abhiyan (RUSA) sponsored workshop on **'Content Management System: WordPress'**. The objective of the workshop was to create an understanding among the participants about WordPress as a platform for content management and web publishing and also to help them grasp the practical aspects of this platform. Ms.Jyoti Sharma, Deputy Director, National Institute of Electronics and Information Technology, Chandigarh conducted this highly informative workshop that witnessed enthusiastic participation of 68 students. The workshop was followed by an interactive session wherein the participants put forth their queries that were suitably answered by the expert. At the culmination of the workshop, certificates were awarded to the participants.

RECENT ADVANCES IN NUTRITION AND FOOD SAFETY

The Department of Food Science organized a Workshop sponsored under the Star College Scheme by DBT and NCSTC, Department of Science and Technology on 'Recent Advances in Nutrition and Food Safety'. The workshop was organized in collaboration with Department of Community Medicine, School of Public Health, PGIMER, Chandigarh on 24 November 2017 to generate awareness about issues pertaining to food safety, and to sensitize students about recent advances in this field. The Chief Guest, Prof. Sanjay Chhibber, Department of Microbiology, Panjab University, Chandigarh stressed upon the need to develop robust microbiological food safety measures and an involvement of all stakeholders in ensuring food safety.

Prof. Amarjeet Singh, Department of Community Medicine, PGIMER, Chandigarh highlighted the importance of research in combating the contamination of food in its journey from the farm to the table. The Guest of Honour, Mr. Sukhwinder Singh, Designated Officer, Food Safety Cell, Chandigarh apprised the audience about the food fortification and food safety initiatives by Adulterants Detection Cell of Chandigarh Administration. Dr. Sukhpal Kaur, National Institute of Nursing Education, Chandigarh spoke on 'Food Safety: Definition, Concepts, Problem Statement, Types and Gaps'.

Dr. Jayanti Dutta Roy, Deputy Director, HRD Centre, PU, Chandigarh deliberated upon the topic 'The Recent Advances: Use of IT in Food Safety,' while Lt. Col Kumar Pushkar spoke on 'Concept of Traceability; Safety of GM Food' and shed light on Safe Street Food. A short film 'Farm to Fork,' and another one on food adulterants detection kits were also showcased during the event. A Mobile Food Testing Van of Chandigarh Administration analyzed the food samples brought by the staff and students on the spot. A quiz on food safety was also organized on the occasion.

WEB APPLICATION DEVELOPMENT, USING PHP

The Department of Computer Science and Applications organized a 7-day workshop on 'Web Application Development, using PHP' from 28 May to 4 June 2018. Sh. Pankaj Sharma, Technical Head, Net Max Technologies Pvt. Ltd, Chandigarh conducted the workshop attended by 46 students of BCA and PGDCA besides all the teachers of the department. Each day of the workshop was divided into theory and practical sessions. Various demonstrations were held and students were given a number of practical assignments to hone their skills. Students created various interactive forms and managed data using PHP and MySQL. They learned about handling data, cookies, sessions and data validation. They were also taught about the intricacies and techniques required to make an integrated web application.

APPLICATION OF SOMATIC INKBLOT SERIES

The Department of Psychology, in collaboration with the **Social Sciences Committee,** organized a workshop on 'Application of Somatic Inkblot Series' (SIS) on 29 March, 2018. This skill-based workshop was conducted by Prof. B L Dubey, Adjunct Faculty, University of Alaska, USA, and President, Somatic Inkblot Society to familiarize the participants with the fundamentals of the projective technique of SIS, and the applicability of the test that is used internationally to assess one's personality, facilitate diagnostic assessment and therapeutic intervention. The workshop was spread over 4 sessions which included introduction to projective technique and tests, comparison of Rorschach and SIS administration, scoring and interpretation of SIS, analysis of case studies and psychotherapy.
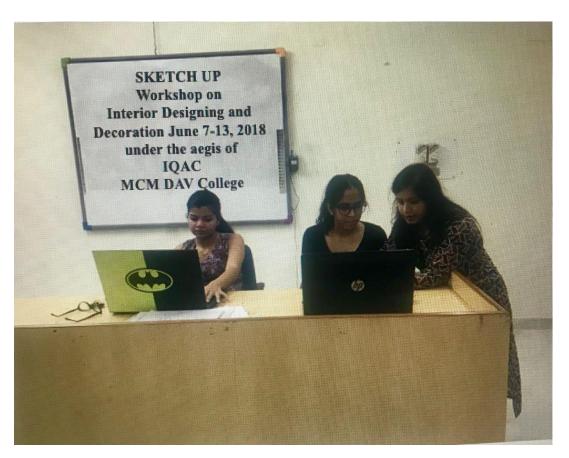
SUSTAINABLE URBAN FARMING

The **Skill Development Committee** held a series of six workshops on 'Sustainable Urban Farming' from February to April, 2018 in which students were familiarized with varied techniques in agriculture by Mr. Rahul Sharma and Ms. Ashreen. The participants were imparted knowledge and skill in using non-chemical methods of growing vegetables in small areas and pots. They were also encouraged to shift to chemical-free farming at the macro level. Apart from visiting the farms, the students also visited an Organic Mandi. The workshop was open to women from outside the college also.

SEVEN DAY WORKSHOP ON SKETCH-UP

The **Internal Quality Assurance Cell** of the college organized a Seven Day 'Sketch-Up Workshop' for the students of Interior Designing and Decoration from 7 June to 13 June, 2018. Ms. Arushi Jain conducted the workshop and explained the intricacies of interior designing to the students with the help of the specialized software of Sketch Up.

2016 - 2017

Department: Computer Science and Applications
Session: 2016-17
Programmes/Courses Offered:

- Bachelors of Computer Applications (B.C.A.)
- B.Sc (Computer Application) Elective Subject
- Post Graduate Diploma in Computer Applications (PGDCA)

Position Holders in Panjab University Examinations

Name and Class	Name of the Award/Project/Position	Name of the Agency/University	Month/Year
Mridula Khurana (BCA-1stSem)	4th Rank in Panjab University	Panjab University	December/ 2016
Roopasana Dhillon (BCA-1stSem)	7th Rank in Panjab University	Panjab University	December/ 2016
Anamika (BCA-2ndSem)	8th Rank in Panjab University	Panjab University	May / 2017

Departmental Activities

- Students of BCA I B delivered talk on the theme of 'Unemployment' and 'Teachers as Mentors', While Students of B.Sc. I, BCA II B performed skits on 'Drug Abuse & Consequences' respectively on September 5th, 2016 as part of Teacher's Day celebration.
- E-waste Modeling, Poster Making and on the spot Essay Writing competitions were organized on September 21st, 2016 on the theme 'Digital India'.
  a. In Poster Making, Ist prize was won by Sonia and Rupinder of B.Sc. III (CA), 2nd prize was given to Simran &Prabhsimran of BCA II A while 3rd prize was won by Ishita & Shivangi of BCA II A.
  b. In E-waste Modeling, Saloni and Megha of BCA III B remained on first position, while Ishita & Shivangi of BCA II A got the second position.
  c. In Essay Writing, Shreya Jain of B.Sc. III (CA) and Saloni of BCA III A got the first and second position respectively.
- Conducted 7 Days Workshop on 'Digital Literacy' from 02/01/2017 to 10/01/2017 for teaching and non-teaching employees of the college. It included topics like Digital Payments, use of Office and Web applications in day-to-day work. Resource Person was Ms. Geetika Singh (Assistant Professor)

- Ashima of BCA II A and NSS cadet of college attended 30 days RD camp and participated in Republic day parade in New Delhi on 26th Jan 2017. She participated in Youth Exchange Programme at Russia in July 2017, organized by Ministry of Youth affairs GOI.
- Priya Paudyal of B.Sc. III Computer Applications and NCC cadet of college participated in Republic day parade in New Delhi on 26th Jan 2017. She got the All India Naval Best Cadet in Republic day camp 2017 which was awarded by PM Narendra Modi at Carriappa Parade Ground, New Delhi.
- Organized RUSA sponsored Two-day Workshop on "Android Application Development" 1st-2nd February, 2017. It aims to provide hands-on training in Android for developing application on mobile platform.

Participation in Inter-College IT Fest

a. Students participated in IT fests organized by Guru Gobind Singh College for Women, Sector-26 Chandigarh and Post Graduate Govt College for Girls - Sector 11, Chandigarh on 10th Nov, 2016 and 11 Nov 2016 respectively. Ishita Ahuja and Shivangi of BCA II A got 3rd prize in Face Painting event held in GCG-11.

b. Students participated in Inter-College IT Fest held at Govt. College Phase-6 Mohali on 15-16 February, 2017. Vanshika from BCA3 and Kamakshi from BCA1 got first prize in Coding.

c. Students participated in Inter-College IT Fest held at Govt. College of Commerce& Buss Applications, Sector 50 on 17th February, 2017. Raqaia Amiri from BCA3 got 3rd prize in Poster Presentation.

d. Students participated in Inter-College IT Fest held at PGGCG-Sector 11, Chandigarh on 19th February,2019. Ramanpreet and Mink Mittal from B.Sc. 2 got 2nd prize in I.T. Quiz.

e. Students participated in Inter-College IT Fest held at GGS College for Women, Sector-26, Chandigarh on20th February, 2017. Navneet and Riya from B.Sc. 2 participated in Rangoli. Aarti and Sakshi from BCA 3 participated in E-Waste Modelling.

f. Students participated in Inter-College IT Fest held at GGDSD College Sector 32 Chandigarh on 22nd February,2017. IshitaSingla from BCA 3 got 2nd Prize in Collage Making. Aeshna and Rupinder from BCA 2, Radhika and Paramjit from BCA 3 got 2nd Prize in group dance.

- In an initiative to spread awareness about the rampant cyber-crimes in this age of information technology, an interactive session on 'How to remain safe on Internet' was organized in collaboration with Punjab Police on Feb 21, 2017.Gurjot Singh Kaler, DSP, State Cyber Crime, Punjab Police was the key speaker on the occasion.
- Industrial trip of 56 students to Sebiz, Netsmartz on 27th February, 2017
- A special lecture on "Role of Soft Skills in Information Technology" was conducted in collaboration with Telecommunications Consultants India Ltd. TCIL - IT, Chandigarh on 17th April, 2017 Mr. Sunny Kumar, the key speaker emphasized on important aspects of enhancing

Research Activities

- Simran Chawla BCA II presented paper titled "Technological Instances of AI in Agriculture Sector" in an International conference "Communication, Computing and Networking (ICCCN-2017)", ISSN 978-8-193-38970-6. It was organized by NITTTR, Sector-26, Chandigarh on 23-24 April 2017.
- Prabhsimran Kaur BCA II presented paper titled "Higher Education: A Mission Towards the Vision" in national conference "Integrating Skill Development in Higher Education", ISSN 978-93-85449-08-6. It was organized by International Divine College of Education, Ratwara Sahib complex, Mullanpur, Chandigarh on 19 April 2017.
- Prachi Sinha BCA II presented paper titled "Skill Development – A New Era of Opportunities" in national conference "Integrating Skill Development in Higher Education", ISSN 978-93-85449-08-6. It was organized by International Divine College of Education, Ratwara Sahib complex, Mullanpur, Chandigarh on 19 April 2017.

The **Department of Computer Science and Applications organized the workshop on Cyber Security and Information Management** on 25th & 26th February **with the vision to impart conceptual and practical hands-on training on cyber security strategies.** Mr. Arun Soni, MD, TCCS, Er.Sahil Bhagla, CEO, EH1 Infotech and Ms.Manjot Kaur, a researcher conducted the workshop on the first day with focus on creating awareness about significance of IP address, Router vulnerability, Social Engineering hacking attack and protection, Facebook vulnerability and protection, and Phishing. This was followed by a practical session in which the participants were required to put to practice the various cyber security strategies demonstrated during the workshop.

MCM DAV team of Rashtriya Uchchatar Shiksha Abhiyan, an MHRD initiative, continued its endeavours to bring about qualitative changes in the field of Higher Education. Primary aim of this programme remains the holistic development of the faculty, students and the support staff. Following the preparatory grant of Rs 1.5 lac released by the Central Govt in October 2016, an equal share was contributed by the DAV College Managing Committee, New Delhi. As a result, a host of activities in the form of Workshops, Awareness Programmes, Industrial Visits, Faculty Development Programmes, UGC NET Coaching Classes and Remedial Classes were organised to boost the academic growth in the institution.

FACULTY DEVELOPMENT PROGRAMME: TECHNOLOGY AS A PEDAGOGICAL TOOL

As the academic scenario has undergone a drastic change in the technology-driven world, it is essential for the teaching faculty to keep pace with new tools in pedagogy.

A seven-day Faculty Development Programme on **Information and Communication Technology: New Dimensions in Research and Higher Education** was organised from 26th November to 02nd December 2016. **Professor Suresh Chadha**, Chairperson, University Business School , Panjab University delivered the Inaugural Address. He highlighted the need for the teaching faculty to stay abreast in the fast-changing social spectrum.

The seven-day academic extravaganza that followed saw various eminent speakers. **Professor Ravi Mahajan** (USOL), apprised the participants of the technique of visualisation as a pedagogical method.

Prof R K Singla (Dept of Computer Science, Panjab University) too aquainted the faculty members about various tools of technology which will go a long way in making teaching more student-friendly.

Dr Nina Caplash (Dean, Students Welfare, Panjab University), stressed upon the right method of writing the Research Papers.

Dr Anil Angrish (NIPER) focussed on the grants which the teaching faculty can avail in order to pursue research and innovation.

Dr Harish Kumar (Head Skill Development Centre, Panjab University) and **Dr Tejinder Pal Singh** (UBS, Panjab University) too highlighted the importance of e-content and dangers of plagiarism.

Dr Amit Lal (NIT, Jalandhar) enlightened the participants on SPSS, Bibliography and footnotes.

Mr Naveen Thakur (Business Head, Technova Solutions) underlined the innovative use of technology in research and higher education. It proved to be the very interesting and interactive session.

The programme came to a close with the Valedictory Note by **Prof Dalip Kumar**, Additional State Project Director, RUSA, Chandigarh Administration. During the valedictory session, He apprised the faculty of the role and relevance of RUSA in higher education. He also informed that the focus of RUSA is on enhancing digital literacy and hoped that educational institutions reinforce it. He lightened the need for ensuring success of this mission.

Department of Hindi conducted a two-day workshop on **Anuvaad: Sambhavnayein aur Samsayein** from 23rd to 24th January 2017 to deliberate on the role of Hindi in the current Indian scenario. Prof Pankaj Malviya from the Dept of Russian Language, Panjab University threw light on various possibilities for translators in the global village that the world has become today. Mr Mahender Singh Kaushik, Hindi Officer, Office of the Accountant General (A&E), Punjab and UT Chandigarh and Ms Neena Behl, Assistant Director, Akashvani, Chandigarh, deliberated on the vast scope of Hindi as the official language.

Department of Computer Science organised a two-day workshop on **Android Application Development** from 2nd to 3rd Feb 2017. It was aimed at acquainting the students with immense possibilities in the field of App development so far as employment avenues are concerned. Prof. Anu Gupta, Department of Computer Sciences and Applications, Panjab University, Chandigarh delivered the Inaugural Address and highlighted the emerging role of Applications in the Android mobile industry. Mr Jagdeep and Mr Nitish from Netmax gave hands-on training to the students for developing their own apps and downloading these to the Playstore.

The Postgraduate Dept of English conducted a

very informative and enlightening Inter-college RUSA-sponsored workshop **on Translation: Technicalities and Challenges** on 13th Feb 2017. Prof Rana Nayar, Dept of English and Cultural Studies, PU, and an avid translator of Punjabi literature, deliberated on the challenging process of translation. He gave a few exercises to the participants in order to elucidate the vast possibilities of meanings available to a translator.

The Postgraduate Department of Psychology organised three day workshop **on 'Fundamentals of Statistics using SPSS' on 24th February.** Introduction of types of variables, scales of measurement namely nominal, ordinal, interval and ratio along with formulation and testing of hypotheses followed coding and entering data in SPSS. One way ANOVA, two way ANOVA were followed by Post hoc analysis. Practice exercises were taken on reliability and discriminant analysis.

The Postgraduate Dept of Economics of MCM DAV College for Women held an **awareness programme on Goods and Services Tax (GST)** for its students and faculty on 21st March. The programme aimed at making the participants aware of the various aspects of one of the biggest reforms in India's indirect tax structure, that is GST.

A Workshop on **'Interrelation of Vocal and**

SKILL ENHANCEMENT AND PRACTICAL TRAINING

WORKSHOP ON DATA ANALYSIS IN PSYCHOLOGY USING IBM SPSS

The Postgraduate Department of Psychology held a 3-Day Workshop for PG students, under the RUSA scheme, on 'Data Analysis in Psychology using IBM SPSS' to promote and strengthen a flair for research among students by providing them the requisite skill in using SPSS. Dr. Amit Lal, Assistant Professor National Institute of Technology, Jalandhar, Punjab apprised 41 students and 7 faculty members from the Department of Psychology of derivation of basic statistical concepts like mean, standard deviation, and standard error of measurement, their advantages and limitations. In the practical sessions, he trained the participants on how to code and enter data in SPSS.

WORKSHOP ON EXPERIMENTAL PHYSICS

To provide hands-on experience to students in conducting experiments, the Department of Physics organized a Workshop on 'Experimental Physics'. Prof. Arvind, Dean (R&D), Department of Physics, IISER, Mohali apprised the participants of the experiments based on electronics. Dr. Paramadeep Singh, Scientific Officer, Department of Physics, IISER, Mohali presented a discourse on diffraction and Stefan's law. During the demonstration session that ensued, the experts demonstrated the experiments explained in the first session. The students also got an opportunity to conduct various experiments.

WORKSHOP ON YOGA AND LIFESTYLE DISEASES

To enhance the quality of health of the stakeholders, the Department of Physical Education organized a Workshop on Yoga and Lifestyle Diseases. Dr. Mohinder Singh, Principal, Government College of Yoga and Health Education, Chandigarh, sensitized the participants about the rising frequency of life style diseases and the role of yoga in curbing the menace. The workshop, attended by over 200 students from different colleges around Chandigarh, comprised of demonstration of Yogasanas beneficial for curing diseases like obesity, cervical, back pain, skin problems and stress. In a highly informational lecture, Dr. Mohinder made the participants aware about Yogic Diet and various meditation techniques for leading a healthy life.

2-DAY TRAINING WORKSHOP ON 'CYBER SECURITY AND INFORMATION MANAGEMENT'

The Department of Computer Science and Applications organized a 2-day Training Workshop on 'Cyber Security and Information Management.' Mr. Arun Soni, MD TCCS, Er. Sahil Bhagla, EHI Infotech and Ms. Manjot Kaur enlightened the students about the significance of IP Addresses, Router Vulnerability, Hacking and Protection, Facebook threats and Phishing. Practical sessions aimed at giving the students a hands-on training in Cyber security and strategies.

Chief- Coordinator IQAC   Principal