

**Report of
Department of
Computer Science & Applications
(2022-23)**



**Mehr Chand Mahajan
DAV College for Women
Sector-36/A, Chandigarh**

www.mcmdavcw-chd.edu

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“Be a Designing Entrepreneur using Photoshop”

Department of Computer Science and Applications under the aegis of IIC 5.0 organized a 6-day skill-based offline workshop on “Be a Designing Entrepreneur using Photoshop” from 5 to 10 September 2022. The resource persons for the workshop were Ms. Nikita, Freelance Graphics Designer and alumna of the college and Master Saiansh Sharda, Graphics Designer, and vlogger. A total of 45 students and 3 faculty members attended the workshop and learned various aspects of graphics designing using Photoshop. The participants learnt using basic and advanced tools of Photoshop and Image manipulation & enhancement. In the hands-on practical sessions, the participants created professional logos, brochures, advertisements, banners and book covers. The students appreciated the workshop as they enhanced their expertise in this most demanded skill, and they recognized the professional aspects of this profession. Principal Dr. Nisha Bhargava appreciated the efforts of the Department of Computer Science and Applications for organizing this workshop. She also appreciated the young resource persons for their skills and expertise.





Mehr Chand Mahajan DAV College for Women Sector 36-A, Chandigarh (U.T.)

www.mcmandavcwchd.edu.in

Department of Computer Science and Applications

Under the aegis of

Institute's Innovation Council (IIC 5.0)

organizes

6-day Skill Development Workshop

Be a Designing Entrepreneur using Photoshop

5 to 10 September 2022

Resource Person: Ms. Nikita, Freelance Designer and Alumna, DCSA



Learning goals

- Introduction to Designing and Photoshop
- Elements of design in photoshop
- Basic selection tools of photoshop
- Advanced selection tools of photoshop
- Image manipulation & enhancement
- Designing logo, brochure, advertisement, banner and book cover

- Venue: Computer Lab 3 | Time :1:15 pm to 3:15 pm
- Registration fee for workshop is Rs.100 and last date for registration is 2 September 2022. Registration link is <https://forms.gle/B1fqf3LQgjhbfq4L6>
- Certificates will be given after successful completion of the course.
- Seats are Limited. It will be purely on First Come First Serve Basis.

Ms. Deepti Sharda
Ms. Punam
Dr. Ritika Bansal
Coordinators

Dr. Indu Arora, Vice President, IIC@MCM
Ms. Vandana Syal
Co-Conveners

Dr. Nisha Bhargava
Convener, President (IIC@MCM) & Principal

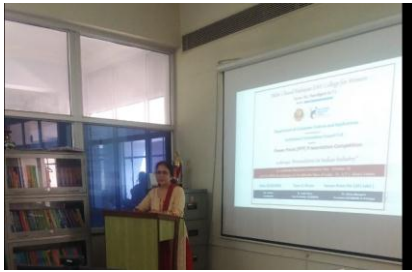
Inaugural Session on Launch of 5G Services by Prime Minister Shri Narendra Modi

Students of DCSA attended inaugural session of Launch of 5G Services by Prime Minister Shri Narendra Modi held on 1st October in Pragati Maidan, New Delhi through YouTube Channel. The main objective was to launch 5G technology and make students aware about 5G services and their impact on common man. After attending the PM's session, Students were made aware about 5G Technology by Dr Indu Arora, Vice president of IIC@MCM and Head of Department of Computer Science & Applications.



Celebrating National Innovation Day - October 15

An offline mentoring session followed by a Power Point Presentation competition for celebrating National Innovation Day - October 15 was organized by the Department of Computer Science & Applications (DCSA) under the aegis of IIC 5.0 on the topic "Innovations in Indian Industry" to celebrate National Innovation Day - October 15 and the Birth Anniversary of the Missile Man of India - Dr. A.P.J. Abdul Kalam. Dr. Indu Arora, Vice President (IIC 5.0), Innovation Ambassador and Head, Department of Computer Science and Applications mentored the participants about the relevance of the day. A total of 52 students attended the session and 20 students presented PPTs. 5 faculty members participated in the event. First winner, Ms Prabhjeet highlighted the innovation of Fiber Optics in 1960 by Nariner Singh kapany (Father of Fiber Optics) and how it brought revolution in the field of telecommunications. Second winner, Ms Anureet emphasized on how Pentium chip By Vinod Dham (Father of Pentium processors) in 1993 helped in increasing the speed of and performance of computers. Third winner, Riya explained the development and use of Aarogya Setu Indian App used in COVID-19. Few students discussed about PhonePe, Flipkart etc. Others discussed about role of Artificial Intelligence, Machine Learning, and Deep Learning in brining revolution in overall industry. A total of 52 students actively participated in the event and found the whole concept very interesting and informative.



Essay Reading Contest to celebrate National Engineer's Day

IIC 5.0 in association with DCSA organized an Essay Reading Contest on the topic "India's Achievements@75 in Innovation & Technology" to celebrate National Engineer's Day. The event was held on 28 October 2022. Engineer's Day is observed every year on September 15 on the birth anniversary of the legendary engineer Shri. Mokshagundam Visvesvaraya. 9 participants were shortlisted for reading their essays from 27 students who submitted their entries in the essay writing contest. The participants paid tribute to Visvesvaraya and commemorate the contributions of the engineers to the nation by elaborating the innovation made during last 75 years. Participants elaborated the achievements of Indian innovators and engineers in the various fields of physics, mathematics, medicine, chemistry, and space studies and their role in development of India. To motivate and encourage the participants in such contests they were awarded textbooks. 41 students and 4 faculty members attended the event. This competition was adjudged by Dr. Indu Arora and Dr. Ritika Bansal of DCSA. First Prize was awarded to Sanya of BCA-II, Second to Surpreet of BCA-II and Third to Nitika Prabhakar of B.Sc.II Medical.



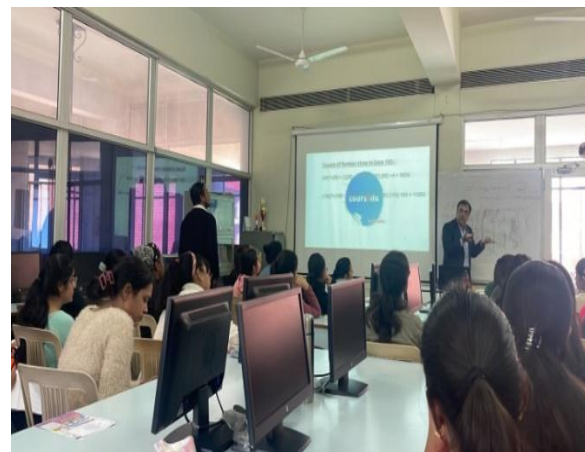
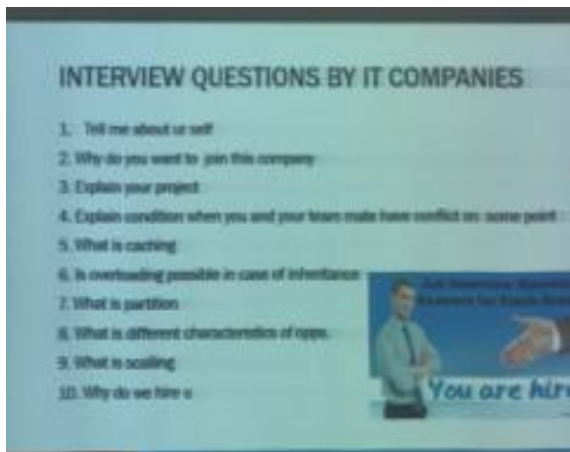
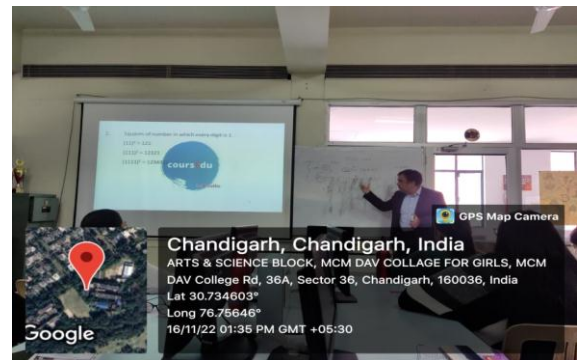
“Innovative ways of moving from waste to greens” on 17 November 2022”

Swachhta Committee of DCSA under the aegis of IIC 5.0 organized an activity on “Innovative ways of moving from waste to greens” on 17 November 2022. The primary purpose of conducting this exercise was to provide students with an opportunity to learn about many innovative approaches that can be used to manage the waste in such a manner that it can be brought into use again. We need to be considerate towards our mother earth. One way to help reduce plastic waste, metal waste etc. is by making planters made from waste materials. Innovative techniques can be adopted for creating a range of pots for plants that is environmentally friendly and supports our favourite 3 Rs- Reduce, Recycle, Reuse. A total of 10 students took part in the competition and enthusiastically submitted the planters made from plastic bottles, metal cans, vim bar container, water pipe, left over wood plank, left over wool and coconut shells. This activity elicited active participation from the students, who found it to be both engaging and enlightening. Overall, the event was successful. It was well-received by all who witnessed the exhibition. First Cash Prize of Rs 1000/- was awarded to Manya of B.Sc.-I NM, Second Cash Prize of Rs. 800/- was awarded to Sneha of BCA-I, and third cash prize of Rs. 500/- was awarded to Parminder of BCA-I and Nishu of BCA-I.



“Career Options in IT Field” and “Vedic Maths” on 16 November 2022

Department of Computer Science and Applications organized two sessions - “Career Options in IT Field” and “Vedic Maths” on 16 November 2022 for students of Department of Computer Science and Applications in Labs of the Department. The resource person of the first session was Ms. Vedika of Infomaths. She helped students to get a clearer idea as to which career path is right for them after BCA, B.Sc. (Computer Applications) and PGDCA. The session also helped students in planning long term and short-term career goal. She provided insights in different aspects of career and life such as choosing the right university or college after graduation, helping them to choose the right professional career as per their interest and passion. The students were also apprised of the pattern of entrance exams for MCA of various universities as well as placement opportunities. The resource person of the second session was Mr. Sudhir Grover of Infomaths. He focused on Vedic mathematics and shortcuts required for solving mathematics based competitive exam questions in much lesser time. He also discussed number of formulas and tricks to solve squares, cubes, square roots of big numbers etc. These tricks enable faster and mental calculations as compared to the usual methods. The session also highlighted how Vedic Math helps in building speed and accuracy in calculations which is very much required in cracking good score in competitive exams. Around 60 students from department attended these sessions.



“Swachhata Ki Paathshala: A waste management awareness campaign conducted in schools of Chandigarh

Swachhata Committee of Department of Computer Science & Applications (DCSA) in collaboration with Warrior Moms and Municipal Corporation, Chandigarh took initiative to create awareness among students about the importance of cleanliness, waste segregation, hygiene, and sanitation. This activity was conducted from 16 January 2023 to 30 January 2023. The event was coordinated by Ms. Deepti Sharda, Dr. Mandeep Kaur and Dr. Navdeep Kaur. The drive was aimed to educate children about the importance of cleanliness and sanitation. Under this initiative, college students went to schools to encourage them to adopt sustainable practices such as promoting the use of dustbins, maintaining clean toilets, and conserving water. The drive specifically encouraged the segregation of waste and the proper disposal of garbage. Through this initiative, Swachhata Committee of DCSA in collaboration with the Municipal Corporation of Chandigarh aimed to make Chandigarh a clean and green city. Fourteen students from different classes enthusiastically participated in this team event. These students were trained by the volunteers of Warrior Moms and Municipal Corporation of Chandigarh. The team of trained students and volunteers from Warrior Moms and Municipal Corporation, Chandigarh conducted cleanliness workshops in 54 government schools of Chandigarh. They also sensitized the students about cleanliness and waste segregation. The event was a huge success and received a lot of support from the school authorities. It helped in promoting a clean and healthy environment in schools. The drive also encouraged children to take responsibility for their surroundings and become agents of change in their communities. Swachhata Ki Pathshala was an important step towards achieving the government's goal of a clean and hygienic India. It is expected to create a positive impact on the health and well-being of the students and the community at large. This offline Event was conducted successfully.

Mehr Chand Mahajan DAV College for Women
Sector 36-A, Chandigarh

Swachhata committee
of

Department of Computer Science and applications
in collaboration with
Warrior Moms
organizes

Swachhata Ki Paathshala
A waste management awareness campaign to be conducted in schools
of Chandigarh



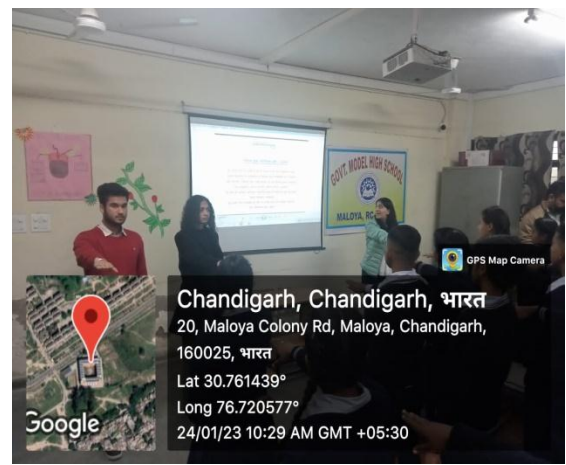
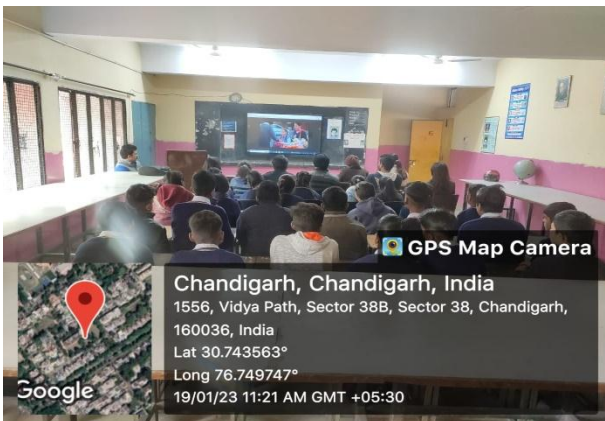
To volunteer [Click Here](#) Certificates will be provided by
Municipal Corporation Chandigarh.
Last date of registration is 14 Jan, 2023

Ms. Deepti Sharda
Dr. Mandeep Kaur
Dr. Navdeep Kaur
Coordinators

Dr. Indu Arora
Co-Convener

Dr. Nisha Bhargava
Convener & Principal

For any queries call 9988097754





Inter-College iTech-Fiesta 2023

Under the aegis of MCM Vigyan Manch, Department of Computer Science Applications, Mehr Chand Mahajan DAV College for Women organized Department of Science and Technology & Renewable Energy, Chandigarh sponsored 'iTech-Fiesta 2023', an Inter-college IT fest on Feb 15, 2023. The fest aimed at offering a platform for students to self-actualize, explore and showcase their technical and extra-curricular skills. The fest witnessed enthusiastic participation of over 400 students from across the tricity who competed in various stimulating competitions that tested the IT and programming skills of participants, namely IT Quiz, Website development, Debugging, e-collage making, e-waste modeling, Research Poster presentations, Movie Making and Rangoli. Moreover, an awareness talk on Cyber-Crimes and their prevention, followed by a Nukkad Natak on cyber safety brought the spotlight on the demon of Cyber-Crimes. Dr. Parvinder Singh, Hon'ble Vice Chancellor, Rayat-Bahra University, Mohali graced the occasion on the inaugural ceremony of the fest. Dr. Anu Gupta, Professor, DCSA, Panjab University, Chandigarh was the Chief Guest of the cultural session. Dr. Padmavati, Asst. Prof, Punjab Engineering College, Chandigarh and Dr. Kavita Taneja, Asst. Prof, DCSA, Panjab University were the Guests of Honour and Judges for various competitions. The list of prize winners in various competitions is as follows: -

S.No	Position	Team Member 1	Team Member 2	College Name
Research Poster Presentation				
1	First	Aditi Arya	Abha Suri	DCSA, Panjab University, Chandigarh
2	Second	Shubhra Bihani	Parnika Kinra	Mehr Chand Mahajan DAV College, Sector 36-A, Chandigarh
3	Third	Rinki	Neha Dogra	DCSA, Panjab University, Chandigarh
Quiz Competition				
4	First	Aditya	Abhinav	DAV College, Sector 10, Chandigarh
5	Second	Harshita	Divya	Post Graduate Govt. College for Girls, Sec 11, Chandigarh
6	Third	Angellina Gill	Aditi	Mehr Chand Mahajan DAV College, Sector 36-A, Chandigarh

Debugging				
7	First	Sharoon	Jaskirat Kaur	Mehr Chand Mahajan DAV College, Sector 36-A, Chandigarh
8	Second	Rishav Kumar	Jatin Negi	Post Graduate Govt. College, Sector 11, Chandigarh
9	Third	Shivam Jain	Srishti	DCSA, Panjab University, Chandigarh
E-Collage Competition				
10	First	Sonali Sharma	Simaranjeet Kaur	Dev Samaj College of Education, Sec 36, Chandigarh
11	Second	Muskan	Mohit	DCSA, Panjab University, Chandigarh
12	Third	Nisarg	Kusum	DAV College, Sec 10, Chandigarh
E-Waste Modelling				
13	First	Shruti	Gautam	DCSA, Panjab University, Chandigarh
14	Second	Arti	Surpreet kaur	Mehr Chand Mahajan DAV College, Sector 36-A, Chandigarh
15	Third	Khushboo	Sapna	Post Graduate Govt College for Girls, Sector 11, Chandigarh
Rangoli Making				
16	First	Sukanya	Neetu	Post Graduate Govt. College for Girls, Sec 11, Chandigarh
17	Second	Kashish	Shruti	Govt College of Commerce and Business Administration, Sec 50, Chandigarh
18	Third	Riya	Ramita	DCSA, Panjab University, Chandigarh
Website Development				
19	First	Rajesh Dhinda	Pursharth Joshi	DAV College, 10
20	Second	Dev	Gourav	Govt College of Commerce and Business Administration, Sec 50, Chandigarh
21	Third	Naina Trehan	Armandeep Kaur	Mehr Chand Mahajan DAV College, Sector 36-A, Chandigarh
Movie Presentation				
22	First	Manav Paul	Vinayak Sharma	DCSA, Panjab University, Chandigarh
23	Second	Roshni Verma	Aryan Dhiman	Post Graduate Govt. College, Sector 46, Chandigarh
24	Third	Meghna Sharma	Amisha Prajapati	Post Graduate Govt. College for Girls, Sector 11, Chandigarh

Photographs of the Event



Mehr Chand Mahajan
DAV College for Women
Sector 36-A, Chandigarh



Welcomes You to
Inaugural Ceremony of
Inter-College iTech Fiesta 2023
organized by
Department of Computer Science and Applications
under the aegis of
MCM Vigyan Manch
sponsored by
Department of Science and Technology
& Renewable Energy, Chandigarh



Chief Guest
Prof. Parvinder Singh
Hon'ble Vice Chancellor
Rayat-Bahra University
Mohali, Punjab

Mehr Chand Mahajan DAV College for Women
Sector 36-A, Chandigarh
Department of Computer Science & Applications
Under the aegis of MCM Vigyan Manch



Organizes Inter-College
iTech Fiesta 2023
On 15th February 2023
Sponsored by Department of Science & Technology & Renewable Energy

Research Poster Presentation



For enquiries
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Email: dcscmcm@gmail.com

Dr. Indu Arora (HOD, Dept. of Comp. Sc. & Apps)
Mrs Vandana Syal (Co-Convenors)

Dr. Nisha Bhargava (Convenor & Principal)




Mehr Chand Mahajan DAV College for Women
Sector 36-A, Chandigarh (U.T.)

Certificate

This is to certify that _____
of _____
participated in _____
during Inter-College ITECH FIESTA 2023 organized by Department of Computer Science and Applications under the aegis of MCM Vigyan Manch, sponsored by Department of Science and Technology & Renewable Energy, Chandigarh on 15 February 2023 & secured _____ Position.

Mrs. Vandana Syal Co-convenor Dr. Indu Arora Co-convenor Dr. Nisha Bhargava Convenor & Principal



30 Hours Skill oriented offline Workshop on “ICT TOOLS”

Department of Computer Science and Applications, Mehr Chand Mahajan DAV College for Women, organized a 30 Hours Skill Oriented Offline Workshop on “ICT Tools” from 7 June 2023 – 17 June 2023. The objective of the workshop was to demonstrate and give a hands-on experience to the students with Microsoft Office (Word, Excel, PowerPoint) and Google Assessment Tools. The introductory session was delivered by Dr Indu Arora, Workshop Co-Convenor in which students were given an overview about the topics to be covered in the workshop. Around 25 students participated in the event. Ms Sonali Mehndiratta and Ms Anupreet Kalsi were resource persons of the workshop for the sessions on analysing and working with MS Office, Google Tools, Basic Tools in Windows (Paint, Snipping Tool, etc.). Students worked on various assignments and learnt the intricacies of the topics covered. The 30 Hours workshop ended with a formal vote of thanks by Dr Indu Arora, Head, Department of Computer Science and Applications. Convenor of the workshop and Principal Dr Nisha Bhargava, congratulated the department on the successful completion of this workshop and motivated to hold such workshops in future also. Overall, it was a very enriching experience for everyone involved.

