# Report of Computer Science Department
## (2021-22)

# Mehr Chand Mahajan DAV College for Women
## Sector-36 (Chandigarh)

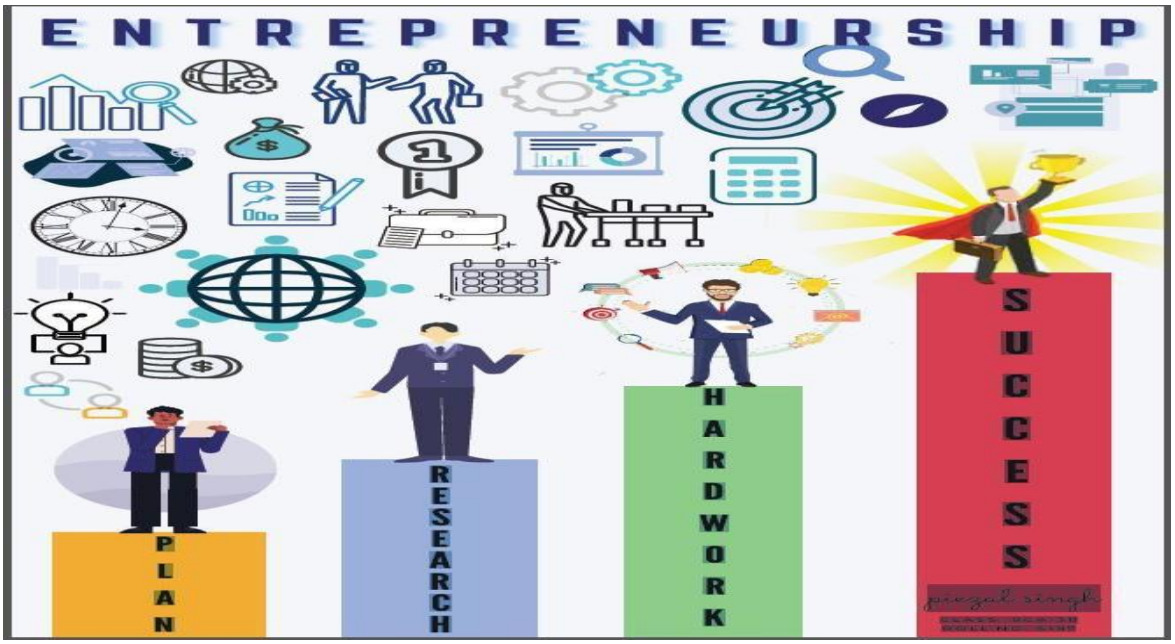
www.mcmdavcw-chd.edu
0172- 2603355, 0172- 2624921

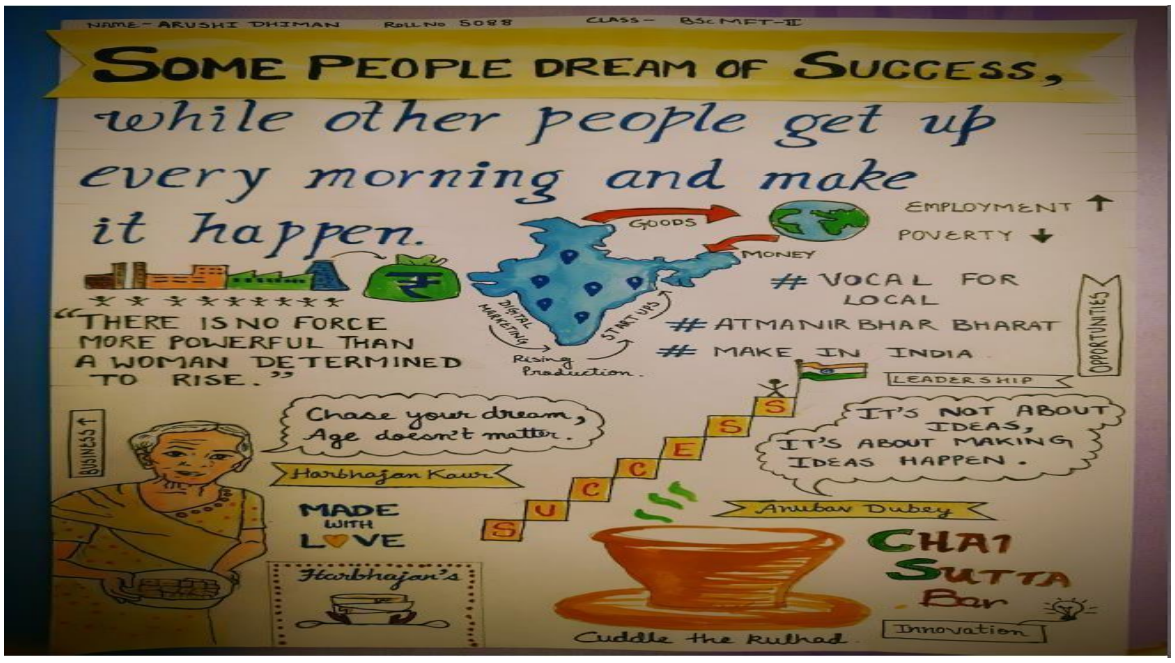
**Programmes/Courses Offered:**

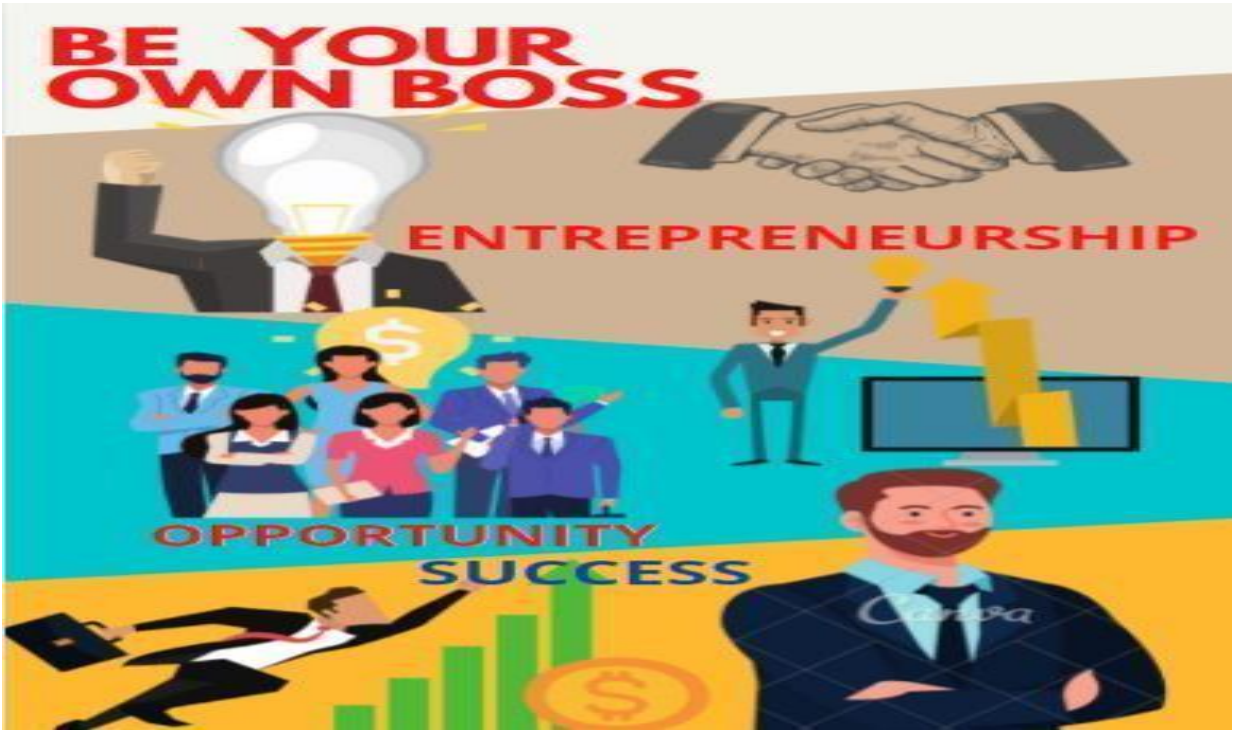
- Bachelors of Computer Applications (B.C.A.)
- B.Sc (Computer Application as Elective Subject with Physics and Maths)
- Post Graduate Diploma in Computer Applications (PGDCA)

**Activities undertaken By DCSA during 2021-22**

- A poster making contest was organised by Department of Computer Science and Applications under the aegis of Institution's Innovation Council (IIC 3.0) on the topic 'Entrepreneurship' on 21st August 2021. Around 20 students submitted hand-made posters and posters created using designing software. 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.



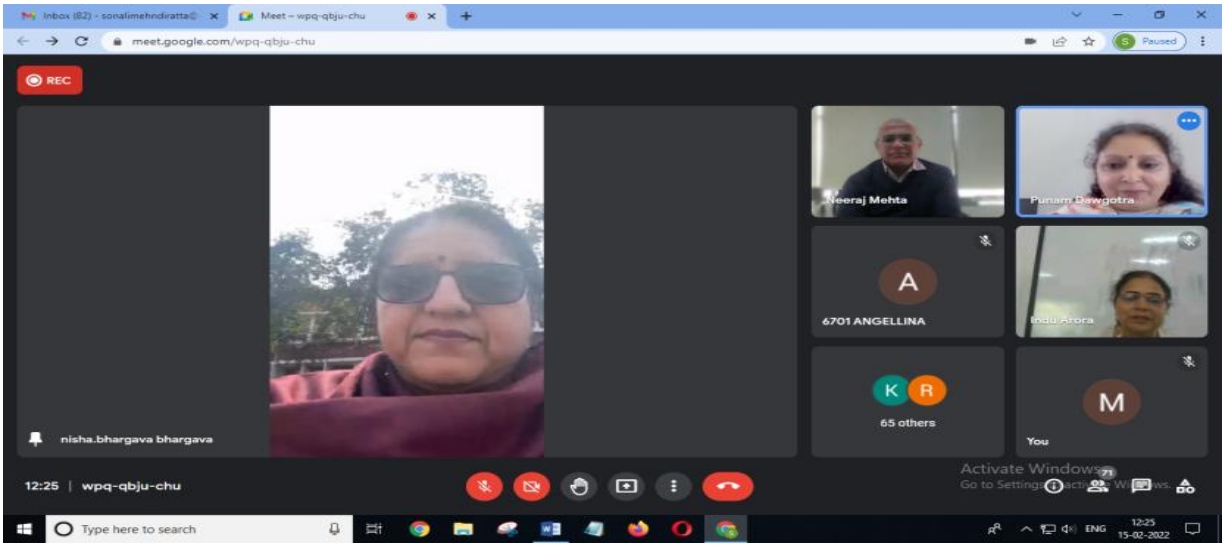






An Online Power Point Presentation competition for celebrating 'India Start-up Day' was organised by the Department of Computer Science & Applications under the aegis of Institution's Innovation Council (IIC 4.0) on the topic 'Role of Start-Up and Entrepreneurship in Computer Industry' on 2nd November 2021. A total of 59 students and 05 faculty members attended the event through Google Meet and YouTube live streaming platform. Cash prizes were awarded to first three winners: Avneet Kaur of B. Sc-Voc-1st Semester bagged First Prize, Rimsha of BCA-1st Semester got Second Prize and Riddhi Sharma of BCA-1st Semester secured Third Position.

- An Online Essay Writing competition for celebrating 'National Innovation Day' on 15th October on account of Birth Anniversary of the Missile Man of India Dr. Abdul Kalam was organised by the Department of Computer Science & Applications under the aegis of Institution's Innovation Council (IIC 4.0) on the topic 'Grassroots Innovations in India' on 2 November, 2021. A total of 24 students submitted the essay. Alisha of B.Sc-1 bagged First position. Srishti of B.Sc-III got Second Position and Angellina Gill of BCA-1 secured Third position. This activity provided a thorough insight to the students on the meaning and relevance of innovations in India.

- A Webinar-cum-Workshop on Problem Solving and Ideation was organized by Department of Computer Science & Applications under the aegis of IIC 4.0 on 15 February 2022. The resource person for the webinar was Mr. Neeraj Mehta, Entrepreneur, Investor and Philanthropist. Mr. Mehta discussed how students can look around in their surroundings and identify real life problems that can be solved with the use of innovation and information technology. He also emphasized that entrepreneurship is the future and students should convert their hobbies, skills and ideas into business that generate employment. Around 61 students and 11 faculty members participated in the event. Overall, it was a learning experience for the students and an informational interactive session that gave opportunity to students to ask their questions about ideation and entrepreneurship

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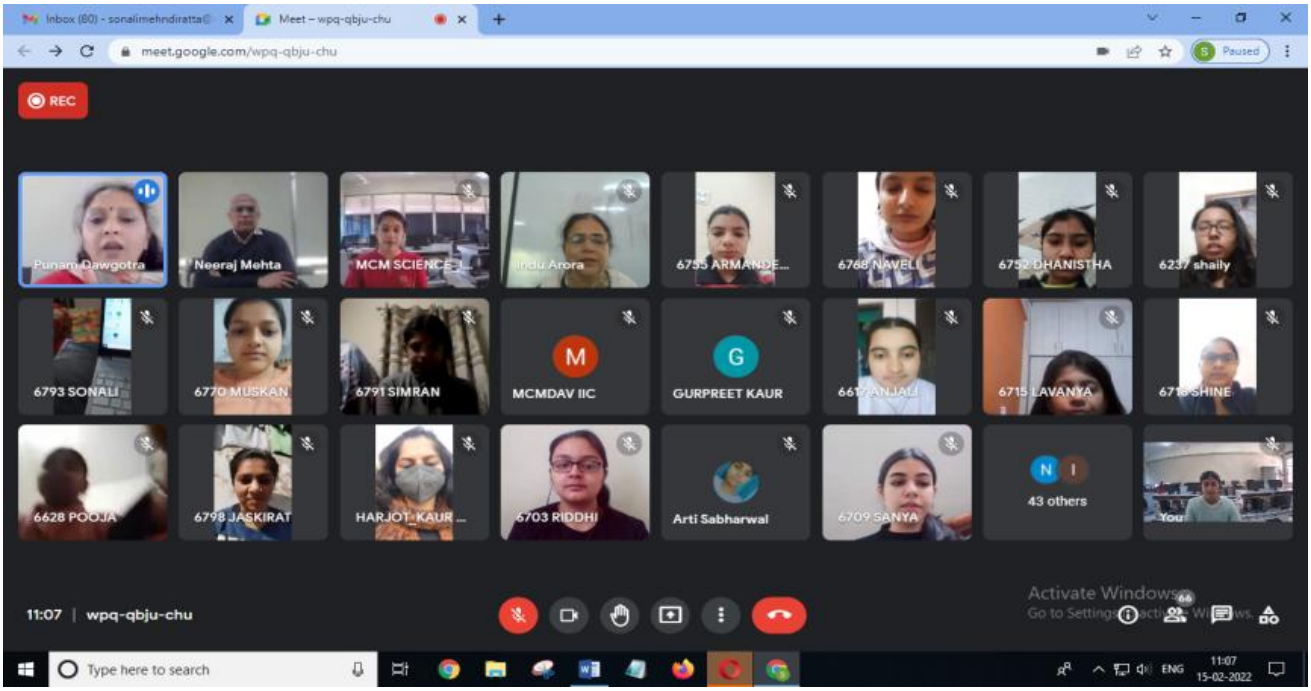
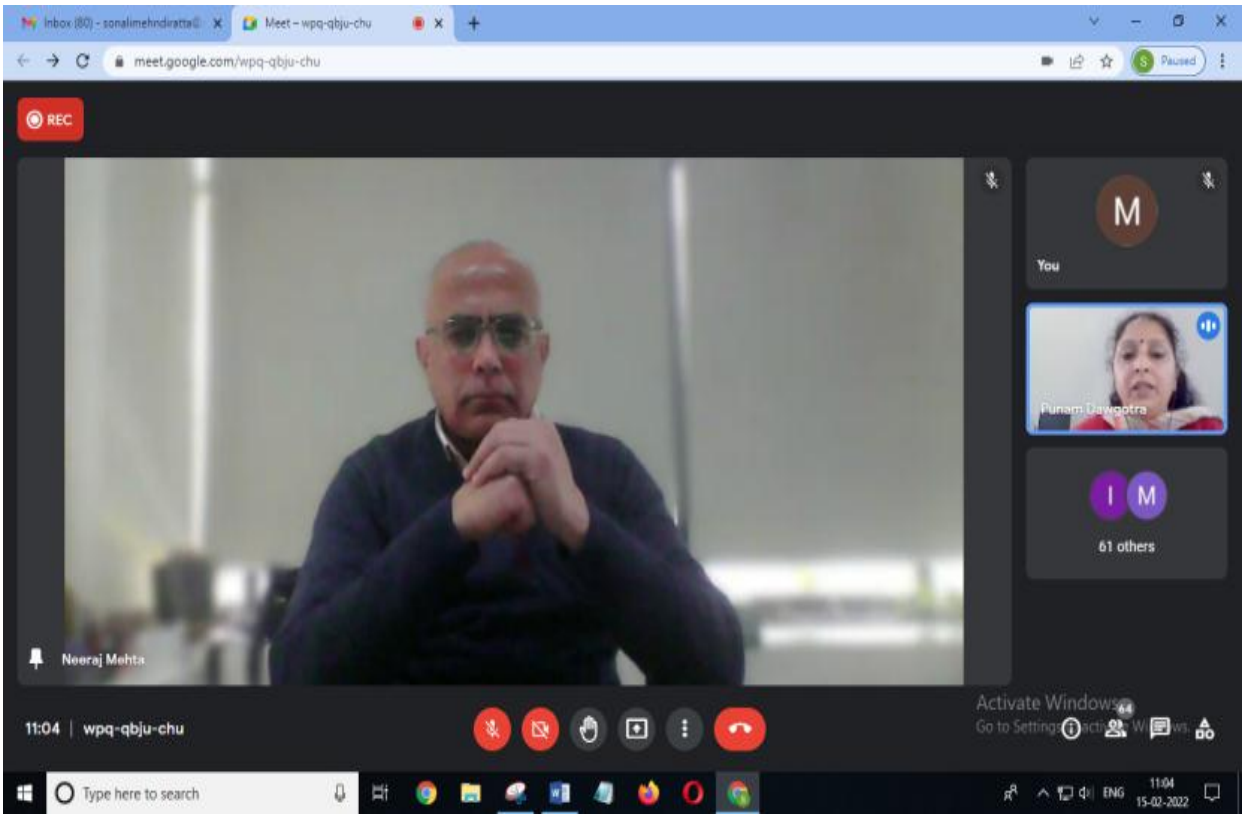
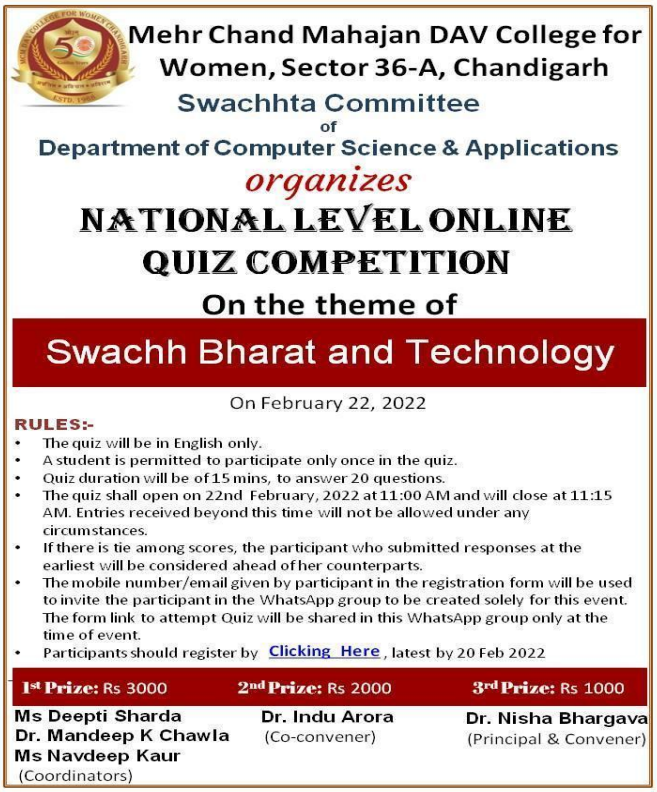
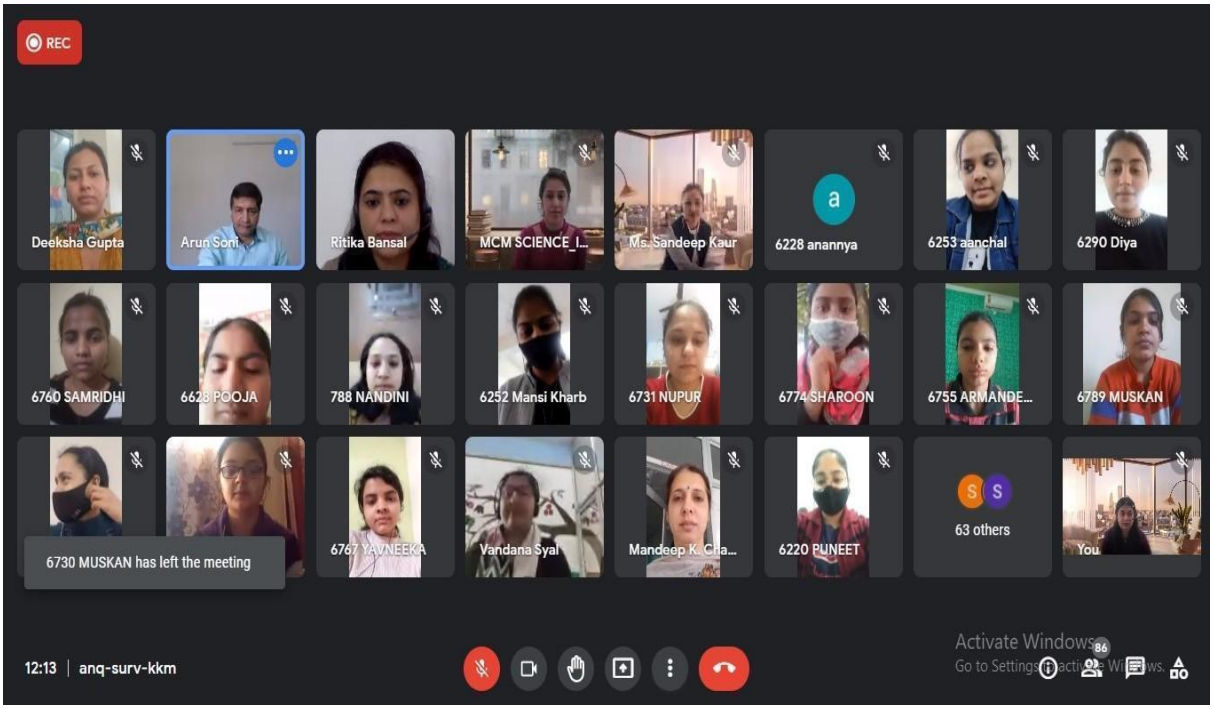



- National Level Online Quiz Competition was organized by Swachhta Committee of Department of Computer Science & Applications on 22 February 2022. The competition aimed to inculcate the social responsibility among students towards Swachhta, and the role of technology in promoting the Swachhta campaign. Cash prize of Rs.3000/- was won by First Winner Inderjot Kaur of B.COM-III. Second Winner Mehakdeep Kaur Virk of BA-I received cash prize worth Rs.2000/- and Third Prize worth Rs.1000/- was won by Neha Malik of B.COM-I.



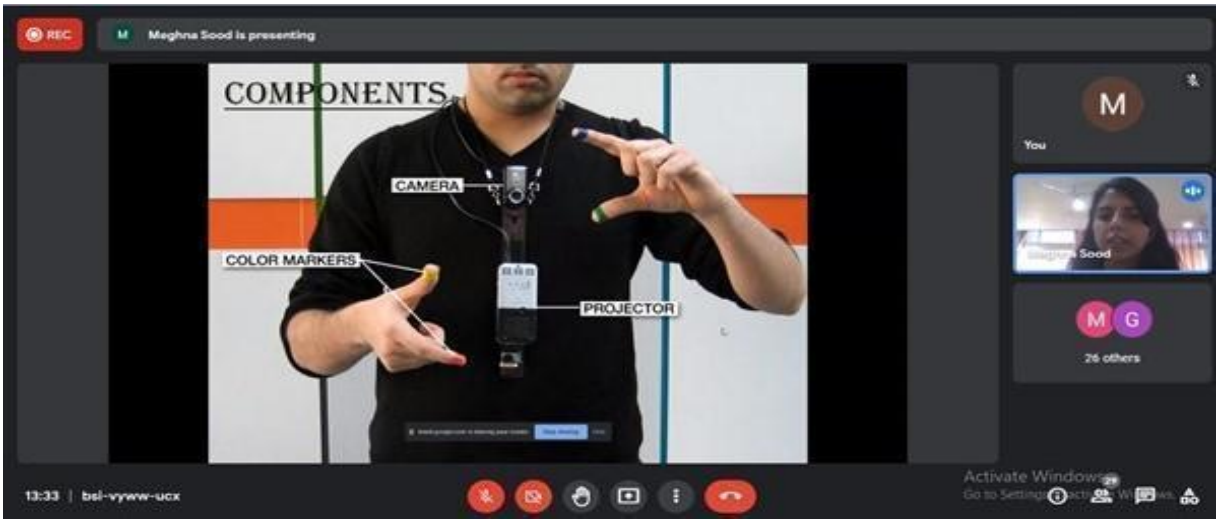



- National Webinar was organized on "Combatting Cybercrime during Covid19" on 25 February, 2022 under the aegis of MCM Vigyan Manch. This National Level Webinar was sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration. The Resource Person for this webinar, 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



- An offline Cyber Swachhta Collage Making Activity was organised by Department of Computer Science & Applications on 5 March 2022. For understanding the title "Cyber Swachhta", a link https://www.csk.gov.in was provided to students which was explored by participants to get the profound knowledge about topic. A total of 45 students participated and enthusiastically submitted their collages on Cyber Swachhta theme. This offline collage making activity opened the first window of team interaction and played as an ice-breaking session among students. The students actively participated in this activity and found it very interesting and informative. Overall, the event was well-received by the participants. This activity provided a platform to inculcate the team spirit and cooperation among students.

CYBER SWACHHTA
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- An offline Declamation Contest was organized on National Technology Day on 11 May 2022 under the aegis of Institution's Innovation Council 4.0. The theme of the contest was "Technology for Inclusive & Sustainable Growth". This activity was given to students so that students learn about various technological achievements of India and learn to express their views through declamation. Students made this contest a success and contributed by sharing their views on the theme, stressing on the imperative role of technology in the promotion of growth that is both inclusive and sustainable. Around19 participants registered for the declamation contest. Dr Mandeep Chawla, Ms Deeksha Gupta and Ms Navdeep Kaur were the jury members to adjudge the contest. Dr. Nisha Bhargava, Principal and President of IIC@MCM gave away books and cash prizes to winners. She emphasized that such events build confidence, team spirit and leadership qualities in students. First Position went to Ridhi Sharma from BCA-1 (Cash Prize of Rs.1500/-), Second Position went to Nupur from BCA-1 (Cash Prize of Rs.1000/-) and 3rd Position went to Akshita Goyat from BCA-3 (Cash Prize of Rs.500/-).

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Mehr Chand Mahajan DAV College for Women
Sector 36-A, Chandigarh (U.T.)
Under the aegis of
Institution's Innovation Council 4.0
Department of Computer Science & Applications
organizes
DECLAMATION CONTEST
Theme: Technology for Inclusive & Sustainable Growth
On the occasion of

Mehr Chand Mahajan DAV College for Women
Sector 36-A, Chandigarh (U.T.)
Under the aegis of
Institution's Innovation Council 4.0

- Swachhta Committee of DCSA under the aegis of IIC4.0 organized "Case Study on Innovative techniques used to manage the waste" on 30 May 2022. The primary purpose of conducting this exercise was to provide students with an opportunity to learn about innovative approaches used by various organisations, cities, and villages and use them what they've learned. This exercise provided a forum for students to develop a sense of belongingness and teamwork. Students from different classes enthusiastically participated in this team event. A total of 14 teams of 23 students took part in the competition and enthusiastically submitted case studies on topics like Zero Waste Project, Innovative model of Alappuzha, Oil from plastic waste, Case study to manage Ganga, Case Study: Flower recycling, Solid waste management by Chandigarh, Waste management in Leh, How Asia's cleanest village Mawlynnong is managing, How India's startups are fighting the waste management crisis, C&D Waste management Gurugram (Haryana), and Innovative practices adopted by MCM to manage the waste etc. This activity elicited active participation from the students, who found it to be both engaging and enlightening. Overall, the event was incredibly engaging and educational. The winners were as follows: First prize worth Rs 1000/-was bagged by Bandhan Shinde and Ishmeet of BA-III, Second position worth Rs 800/- was bagged by Renu Bala of B.Com-III and Kriti Aggarwal of B.Sc-1 and Third prize worth Rs 500/- went to Payal and Palak of BCA-II.

## Inter College Participation of Students

- Around 12 students from department participated in IT FEST held at GGSCW, Sector 26 on 05 April 2022. Piezal Singh from BCA-III got First Prize in Website Designing, while Drishti from BCA-I bagged First Prize in Face Painting.
- Around 7 students from department participated in IT FEST held at GGDSD-32 on 12 April 2022. Piezal Singh from BCA-III got Second Prize 7 cash prize worth Rs 300/- and Riddhi from BCA-I received Third Prize & cash prize worth Rs 200/- in PPT Competition.