

**Mehr Chand Mahajan
DAV College for Women
Sector-36A, Chandigarh (U.T.)**
www.mcmdavcwchd.edu.in



**Report of
Green Good Deeds**

(01 January to 31 March, 2022)

**Organized by MCM Eco-Club 'Parivesh'
To celebrate**

'AZADI KA AMRIT MAHOTSAV'

The 75th Anniversary of India's Independence

***Dr. Neetu & Dr. Sarabjeet Kaur
Coordinators***

***Dr. Nisha Bhargava
Convener & Principal***

1. ONLINE DEBATE ON THE THEME ‘CAN ALTERNATIVE ENERGY RESOURCES REPLACE FOSSIL FUELS?’

Activity Coordinators:

Faculty Coordinators: Dr. Neetu & Dr. Divya Sharma

Student coordinator: Ms. Pushti Arora

Date: 04 January, 2022

Number of participants: 46

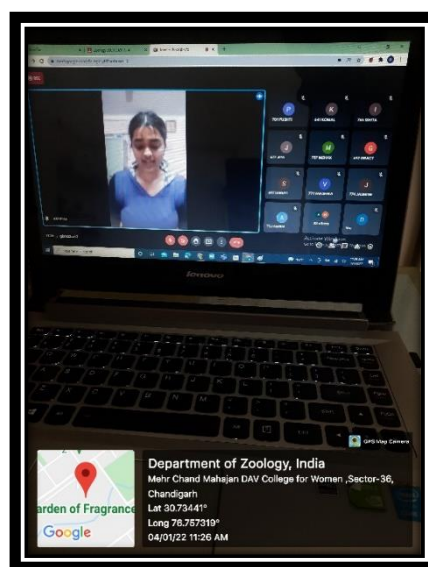
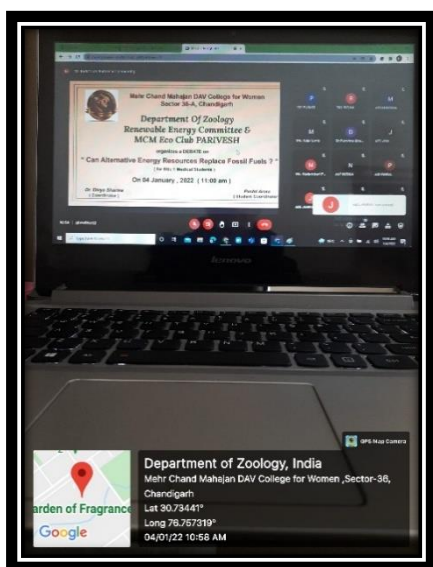
Objectives:

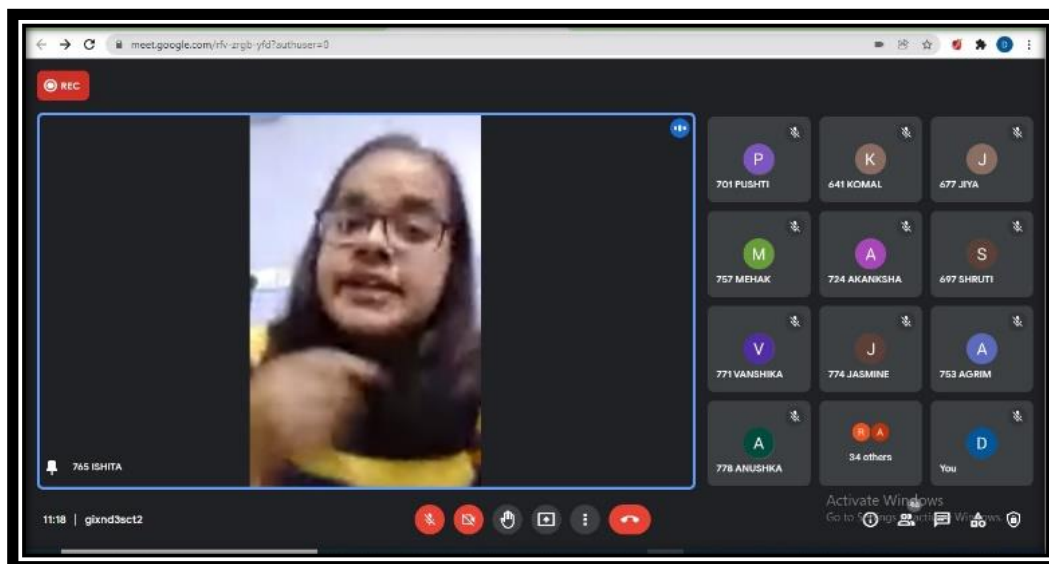
- To understand the importance of energy conservation.
- To target specific ways that can help in energy conservation efforts.

Context: Fossil fuels are non-renewable resources that are created deep down within the Earth’s surface over the course of millions of years. We are using them so fast that they will eventually become exhausted. Thus, fossil fuels need to be replaced by alternative energy sources.

Practice: Department of Zoology in collaboration with Renewable Energy Committee and MCM Eco-club ‘Parivesh’ organized an online debate on the theme ‘Can Alternative Energy Resources Replace Fossil Fuels?’ on 04.01.2022. During this one-hour session, four students of B.Sc. I Medical presented their views on the theme. Ishita highlighted the reasons to replace fossil fuels with alternative sources of energy so as to prevent future generations from the energy crisis and to control ever-rising carbon emissions. Isha expressed her concern over clearing up of huge forest lands which causes threat to wildlife. Ankita explained how fossil fuels powered the industrial revolution and shaped the modern world. Komal explained the harmful effects of the emissions from fossil fuels.

Evidence of Success: All the participants were students of B.Sc. I Medical. The students came to know how fossil fuels are severely damaging our environment. Open house discussion after the debate kept the audience engaged while shaping new sets of opinions.





2. AWARENESS ON SOLID WASTE MANAGEMENT THROUGH ONLINE PUPPET SHOW

Activity coordinator: Dr. Divya Sharma

Date: 14 January, 2022

Number of participants: 50 students

Objective: To understand the problems caused by solid waste and to propose solutions for its management.

Context: Managing solid waste is a great step to a sustainable lifestyle. The puppet show was a small initiative to spread awareness regarding management and reduction of solid waste.

Practice: Department of Zoology and members of MCM Eco-club 'Parivesh' organized an online Puppet show on 'Solid Waste Management' prepared by students of B.Sc. III Medical. The show highlighted the types of solid waste, the right dustbins to be used i.e. green for wet waste and blue for dry waste, and the principle of 3Rs i.e. reduce, reuse and recycle to make our Earth clean and green. Various methods of waste disposal such as sanitary landfill, incineration and composting were elaborated. The students were encouraged to practice the methods of solid waste management at source and also to spread awareness about the same.

Evidence of success: The participants enjoyed the puppet show and learned the practices of solid waste management.

Video Link:

<https://drive.google.com/file/d/1dhzdQw-nimbQJKy89FZhKdVVzr6NqLVQ/view?usp=sharing>



3. AN ACTIVITY ON THE THEME ‘MAINTAIN YOUR POTS’

Activity coordinators: Dr. Gunjan Sud and Ms. Kajal Loria

Date: 30 January, 2022

Number of participants: 20 students

Objectives:

- To develop a sense of responsibility in the students to protect plants around them.
- To make the students feel connected to nature by spending time in the garden.

Context: The indoor plants, hanging outdoor baskets and the pots in the garden serve an aesthetic purpose, help reduce pollution, and also help in maintenance of the ecosystem. Taking care of plants is not easy and requires practical knowledge along with gardening skills.

Practice: An activity titled ‘Maintain your pots’ was organized by the Department of Botany and Add on Course in Floriculture and Landscaping under the aegis of MCM Eco Club- ‘Parivesh’ on 30.01.2022. Keeping in mind Covid-19 restrictions, the students performed this activity at their respective places.

The event created awareness among the students regarding keeping pots hydrated, providing appropriate soil, manure and fertilizers, maintaining adequate humidity, and selecting pot size. Moreover, the students were involved in a variety of interesting activities such as planting, mulching, weeding, ploughing and hoeing.

Evidence of success: The students experienced how to take care of different plants and keep the plants happy, healthy and alive.



Maintain your pots held at MCM Chandigarh

MEHR CHAND MAHAJAN DAU COLLEGE FOR WOMEN, CHANDIGARH
Autarky, Mahatma, Good, Pure

The Aman Sandesh Times Network

Chandigarh: Eco Club of Mehr Chand Mahajan DAV College for Women, Chandigarh, in collaboration with the college's Department of Botany and Add-on course in Floriculture and Landscaping, organised an activity titled 'Maintain your pots'.

The event aimed to create awareness among the students regarding upkeep of their plants including keeping pots hydrated, providing appropriate soil and fertilizers, maintaining adequate humidity and selection of correct pot size. Keeping in mind the Covid restrictions, the students performed this activity at their respective places. Participating students shared



Students pose with their pots before and after the activity.

pictures of their pots before doing cultural practices like weeding and after maintaining their pots. The activity proved to be an enriching experience for the students as they also got insights into several interesting plant species that grow in their surroundings. Principal Dr. Nisha Bhargava lauded this endeavour to keep the students connected to nature and help them develop a sense of responsibility to protect it and added that such initiatives are imperative for a

green and sustainable future.

4. SCREENING OF DOCUMENTARY TO CELEBRATE ‘WORLD WETLANDS DAY’

Activity coordinators: Dr Sarabjeet Kaur & Dr. Divya Sharma

Date: 02 February, 2022

Number of participants: 15 teaching and 10 non-teaching staff members

Objective: To spread awareness about wetlands and their conservation.

Context: The World Wetlands Day is celebrated on 2nd February every year to spread awareness about the importance of wetlands. The day also marks the date of the adoption of the Convention on Wetlands on February 2, 1971. The theme for this year's celebration of World Wetlands Day is ‘Wetlands Action for People and Nature’. It is an appeal to all segments of society to save the wetlands from disappearing and to restore the degraded ones.

Practice: MCM Eco-Club ‘Parivesh’ in collaboration with the Department of Zoology organized screening of Documentary ‘Wetlands and Sarus cranes’ on 02.02.2022 to celebrate World Wetlands Day. Teaching and non-teaching members of department of Botany, Chemistry, Physics and Zoology watched the documentary. The documentary highlighted that the main threat to the Sarus crane in India is habitat loss and degradation due to draining of the wetland and conversion of land for agriculture. The landscape of its historic range is rapidly changing due to construction of highways, housing colonies, roads, and railway lines. More recently, many deaths have been recorded due to collision with power lines. Also, due to the increase in agricultural land, Sarus cranes are left with no choice but to forage in these fields, and as a result ingest pesticides, which lead to poisoning. WWF-India has played an instrumental role in setting up the Sarus Crane Conservation Committee in Uttar Pradesh. It also assists the state in developing projects to enhance Sarus crane conservation initiatives.

Evidence of success: The participants understood the importance of wetlands in maintaining many natural cycles and supporting a wide range of biodiversity.



5. INDUSTRIAL CUM FIELD VISIT TO GLOBAL APIARIES INDIA, DERA BASSI

Activity coordinators: Dr Neetu & Dr. Divya Sharma

Date: 22 February, 2022

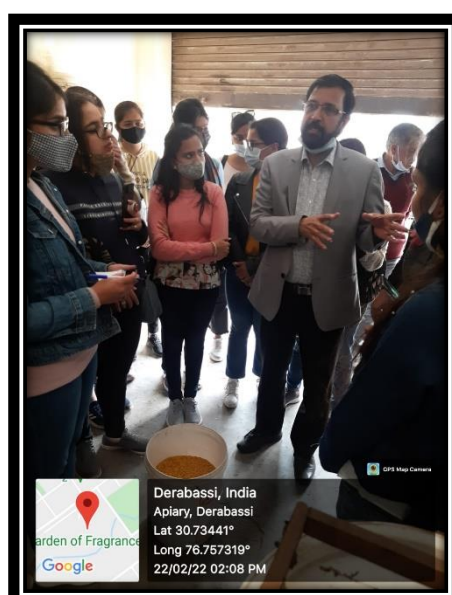
Number of participants: 24 students & 05 teachers

Objective: To provide an opportunity to the students to develop an understanding of honey bees and apiary operations.

Context: Beekeeping is a technology that is simple, easily accessible and affordable, especially in rural areas. A number of small-scale industries depend upon bees and bee products. In spite of great potential of beekeeping in India, apiculture research in India and its gainful utilization has not yet received the required impetus and is far below the available resources.

Practice: Department of Zoology under the aegis of Institution's Innovation Council and MCM Vigyan Manch organized an industrial cum field visit to Global Apiaries India, Dera Bassi on 22.02.2022 for the students of B.Sc. III Medical. Sh. Madan Sharma, the Proprietor of the firm shared his entrepreneurial journey and motivated the students to go for start-ups in beekeeping. He said that the success of beekeeping depends upon proper understanding of the biology and behaviour of honeybees, their scientific management techniques including methodologies to combat various maladies like diseases and enemies. There is a need for undertaking scientific beekeeping in increasing honey production and pollination of crops.

Evidence of success: The students realized the importance of honeybees and their products. They got motivated to apply their scientific knowledge and to explore the potential of biotechnological interventions for improving the quality and quantity of products.





एमसीएम ने ग्लोबल एपियरीज का औद्योगिक दौरा किया



मेहर चंद महाजन डीएवी कॉलेज फॉर वूमैन, चंडीगढ़ में जूलॉजी विभाग ने इंस्टीट्यूशन इनोवेशन काउंसिल और एमसीएम विज्ञान मंच के तत्वाधान में डेरा बस्सी स्थित ग्लोबल एपियरीज इंडिया, का औद्योगिक फील्ड दौरा करते हुए।

चंडीगढ़, 10 मार्च (राम सिंह बराड़): मेहर चंद महाजन डीएवी कॉलेज फॉर वूमैन, चंडीगढ़ में जूलॉजी विभाग ने इंस्टीट्यूशन इनोवेशन काउंसिल और एमसीएम विज्ञान मंच के तत्वाधान में डेरा बस्सी स्थित ग्लोबल एपियरीज इंडिया, का औद्योगिक फील्ड दौरा आयोजित किया। इसके दौरान, ग्लोबल एपियरीज इंडिया के प्रोपराइटर मदन शर्मा ने छात्रों के साथ अपनी उद्यमशीलता के सफर की कहानी सांझा की और उन्हें स्टार्टअप के लिए प्रेरित किया। मधुमक्खी पालन को सरल, सुलभ और सस्ती तकनीक के रूप में

संदर्भित करते हुए शर्मा ने कहा कि मधुमक्खी पालन न केवल शहद और विभिन्न प्रकार के उत्पादों का स्रोत है, बल्कि यह बेहतर परागण और बीज सेटिंग के कारण फसलों की उत्पादकता को भी बढ़ाता है और भारत में मधुमक्खी पालन के विस्तार की व्यापक संभावनाएं हैं। उन्होंने यह भी बताया कि कई लघु उद्योग मधुमक्खियों एवं मधुमक्खी उत्पादों पर निर्भर हैं। विषय पर विस्तार से बात करते हुए उन्होंने आगे बताया कि मधुमक्खी पालन की सफलता मधुमक्खियों के जीव विज्ञान और

व्यवहार एवं उनकी वैज्ञानिक प्रबंधन तकनीकों की उचित समझ पर निर्भर करती है। शर्मा ने छात्रों को अपनी वैज्ञानिक समझ के प्रयोग और उत्पादों की गुणवत्ता और मात्रा में सुधार के लिए जैव प्रौद्योगिकी हस्तक्षेप की क्षमता का पता लगाने के लिए प्रेरित किया। प्रिंसिपल डॉ. निशा भार्गव ने छात्रों को उद्योग में व्यावहारिक ज्ञान और अंतर्दृष्टि से लैस करने के लिए जूलॉजी विभाग के प्रयासों की सराहना की। उन्होंने आशा व्यक्त की कि यह दौरा छात्रों में उद्यमिता को करियर विकल्प के रूप में अपनाने के लिए प्रेरित करेगा।

6. ONLINE DECLAMATION CONTEST ON THE THEME ‘IS ANIMAL TESTING JUSTIFIED?’

Activity coordinators: Dr. Neetu & Dr. Sarabjeet Kaur

Date: 26 February, 2022

Number of participants: 30

Objective: To provide a platform to students to understand the pros and cons of animal testing.

Context: The use of animals in scientific research has long been the subject of heated debate. On the one hand, they are crucial for allowing scientists to learn more about human biology and health, and for developing new medicines but on the other hand it is considered morally wrong to use animals in this way solely for human benefit.

Practice: Department of Zoology in collaboration with MCM Eco-club ‘Parivesh’ organized an online declamation contest on the theme- ‘Is animal testing justified?’ on 26.02.2022 as a part of Science week celebration sponsored by Department of Science and Technology & Renewable Energy, Chandigarh Administration. Students of undergraduate and postgraduate courses were motivated to participate and send their entries in the form of video recordings. 30 participants from various colleges sent their declamation recordings and presented their arguments for and against the use of animals in the laboratory. The first, second and third prizes were bagged by Himani Chandel (Sri Guru Gobind Singh College, Sector-26, Chandigarh), Bhavika Mehta (Mehr Chand Mahajan DAV College for Women, Sector-36, Chandigarh) and Naitik (Post Graduate Government College for Girls, Sector-11, Chandigarh) respectively. All the participants were given participation certificates. Winners were awarded with cash prizes.

Evidence of Success: Students came to know about advantages and disadvantages of using animals in research experiments.

PRIZE	NAME OF THE PARTICIPANT	CLASS	INSTITUTION	VIDEO LINK
First (Rs. 1500/-)	Himani Chandel	B.Sc. III Medical	Sri Guru Gobind Singh College, Sector-26, Chandigarh	Link 1
Second (Rs. 1000/-)	Bhavika Mehta	B.Sc. II Non- medical	Mehr Chand Mahajan DAV College for Women, Sector-36, Chandigarh	Link 2
Third (Rs. 500/-)	Naitik	B.Sc. III Non- medical	Post Graduate Government College for Girls, Sector-11, Chandigarh	Link 3



First prize
Himani Chandel



Second prize
Bhavika Mehta



Third prize
Naitik

7. SCREENING OF DOCUMENTARY ON 'WORLD FOREST DAY'

Activity coordinators: Dr. Ruby Singh and Ms. Jyoti Shekhawat

Date: 21 March, 2022

Number of participants: 52 students and 02 teachers

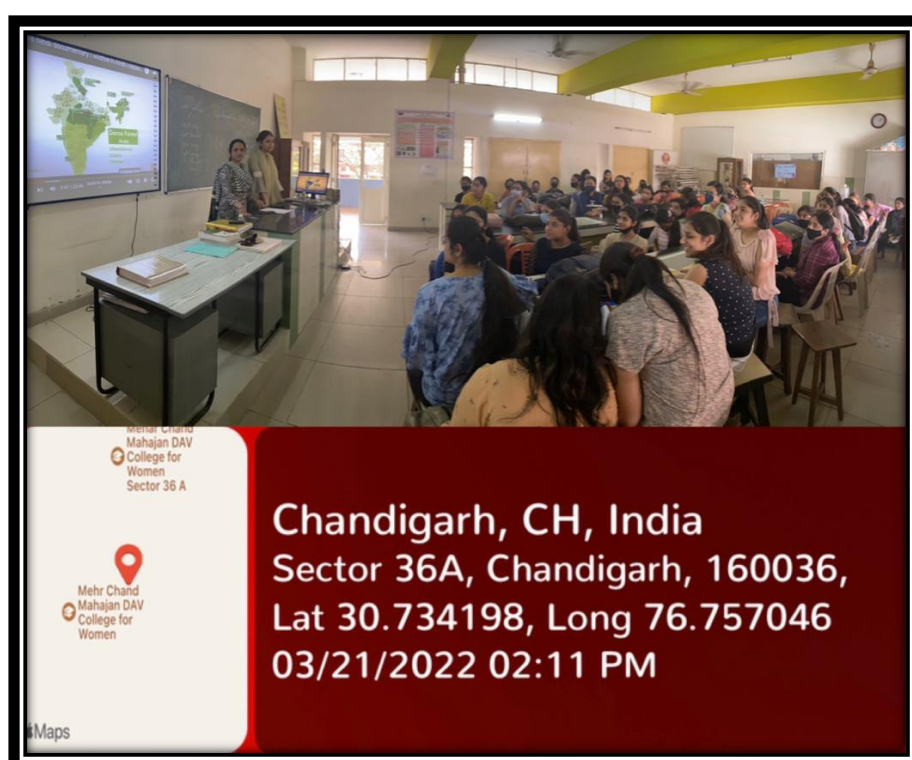
Objective:

- To raise awareness about the importance of the conservation and sustainable management of forests.

Context: The World Forest Day is celebrated to raise awareness about the importance of all types of forests. The theme for this year is 'Forests and Sustainable Production and Consumption'. Sustainable management of forests and wise use of their resources help in combating climate change, and contribute to the prosperity and well-being of current and future generations. Creating awareness about saving this gift of Nature with unparalleled utility is a challenging task and requires constant efforts.

Practice: Keeping in mind the impact of visual learning on young minds, a documentary based on forest conservation, and preventing forest fires was projected to the students of B.Sc. II Medical. After that, there was a discussion session regarding the need of forests to continue sustainability and survivability of the ecosystem. 52 students participated enthusiastically in the event.

Evidence of Success: The students understood that sustainable management of forests can help address climate change and biodiversity crisis.



8. SCREENING OF VIDEO MESSAGE ON ‘WATER CONSERVATION’ TO CELEBRATE ‘WORLD WATER DAY’

Activity coordinator: Dr Sarabjeet Kaur & Ms. Kadambari Pathania

Date: 22 March, 2022

Number of participants: 50 students and 03 teachers

Objective: To spread awareness about water conservation.

Context: Water is the basis of existence of life on the Earth. Many parts of the world are facing extreme water scarcity. In the current scenario, it is important to understand the importance of water conversation.

Practice: The Department of Zoology organized screening of video message which was prepared by Ms. Diksha, Ms. Harnoor, Ms. Garima and Ms. Ananya Tangri B.Sc. III Medical. The video message emphasized upon the vitality of natural water resources by showing the statistics of rapidly decreasing availability of water. The methods of conserving water bodies and different measures being adopted by the government and various NGOs were highlighted during the discussion session after the presentation.

Evidence of Success: The interactive session motivated the students to contribute towards water conservation by spreading awareness in the society.

