



LiFE
Lifestyle for
Environment



ACTION TAKEN REPORT
OF
MCM ECO-CLUB 'PARIVESH'
April 2022 to March 2023



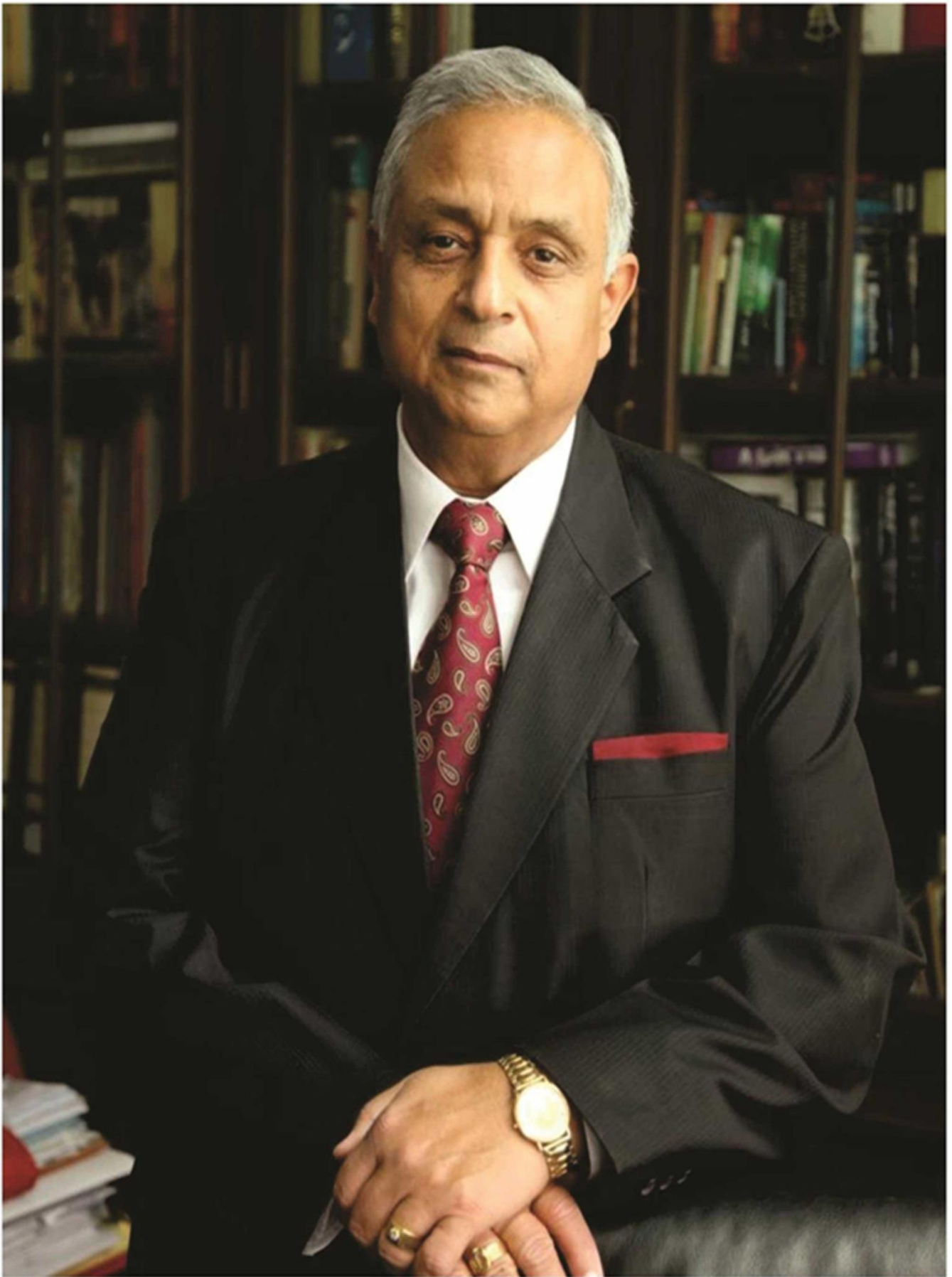
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Our Beacon of Light



MAHARISHI SWAMI DAYANAND SARASWATI

Our Guide and Mentor



Dr. Punam Suri Ji, Padma Shree Awardee

Hon'ble President

DAV College Managing Committee

New Delhi



From the Principal's desk

It gives me immense pleasure to present, through this report, a comprehensive view of the eco-friendly activities conducted by MCM Eco-Club 'Parivesh' during April 2022 to March 2023.

MCM Eco-Club 'Parivesh' has been created under the 'National Green Corps programme' of the Ministry of Environment and Forests, Government of India with an aim to educate youth about interdependence of different ecosystems, and to develop in them the requisite skills of observation, experimentation, survey, recording, analysis and reasoning for conserving the environment through various activities. This is a giant step towards sustainable development involving compulsory engagement of youth with the environment. It is heartening to note that our eco-friendly initiatives continued unabated in online mode even when we stood face to face with the deadliest outbreak of coronavirus.

My deepest gratitude to Dr. Punam Suri Ji, Padma Shree Awardee, worthy President, DAV College Managing Committee (DAV CMC), New Delhi, for his visionary leadership. His constant encouragement and guidance inspire us to scale new heights. I express my sincere thanks to Shri H.R. Gandhar Ji, Hon'ble Vice-President, DAV CMC, New Delhi, for his valuable insights in all our endeavours. I express my heart-felt gratitude to Shri Shiv Raman Gaur Ji, Director Higher Education, DAV CMC, New Delhi for his consistent support and blessings which we receive in ample measure.

I congratulate the team of MCM Eco-Club led by Dr. Neetu for undertaking consistent eco-friendly initiatives in spite of challenging circumstances.

Dr. Nisha Bhargava
Principal &
Convener, MCM Eco-Club 'Parivesh'

Mission LiFE: Nudging individual and collective action towards 'Lifestyle for Environment'



MCM Eco-club 'Parivesh' seeks to promote environmental awareness at the grassroot level by creating and nurturing green consciousness among the students. Understanding the central role of youth in saving the environment, it encourages them to be ambassadors for spreading the message of adopting an eco-friendly lifestyle in society at large.

The club provides a platform to create awareness about biodiversity conservation and environmental issues by urging students and faculty to adopt eco-friendly practices like recycling & saving non-renewable resources. The activities organized to promote the mission LiFE (Lifestyle for Environment) include: Motivating the students to keep their surroundings green and clean by undertaking tree plantation; promoting ethos of water conservation by minimizing wastage of water; encouraging students to develop habits and life style for minimum waste generation; educating students to create awareness amongst public and sanitary workers to stop the indiscriminate burning of waste; sensitizing the students to minimize the use of plastic bags; organizing awareness programs such as quiz, debate, essay writing, painting competitions, rally, Nukkad Natak etc. regarding various environmental issues, organizing Nature walks to know about the local flora and fauna, and so on.

The club members have been actively involved in organizing all the calendar activities with full enthusiasm under the able leadership of Madam Principal, Dr. Nisha Bhargava. Apart from building confidence, club responsibilities give students the opportunities to upgrade their hard as well as soft skills.

I express my deep gratitude to our worthy Principal Dr. Nisha Bhargava, for guiding and supporting us in all our endeavours. My thanks are due to all my team-members for their constant support and cooperation throughout the year.

A handwritten signature in black ink, appearing to read 'Neetu', with a horizontal line underneath.

Dr. Neetu
Head, Department of Zoology &
In charge, MCM Eco-Club 'Parivesh'

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I. ENVIRONMENTAL AWARENESS ACTIVITIES IN THE COLLEGE CAMPUS

A. OBSERVATION OF ENVIRONMENTAL DAYS

A1. EARTH DAY CELEBRATION ON APRIL 22, 2022

Number of participants: 74 (67 Students and 07 Teachers)

Objectives:

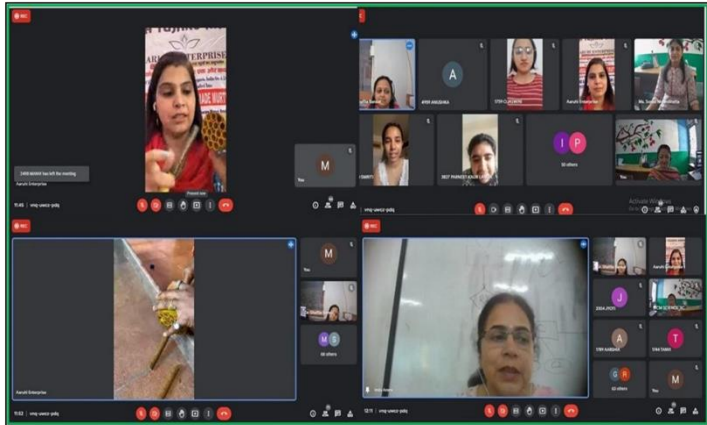
- To sensitize students about the harmful impacts of even biodegradable flowers on water bodies.
- To promote recycling for the conservation of nature and natural resources.

The Context: Earth Day draws attention to the issues like global warming and the depletion of natural resources. The significance of environmental protection for human survival is highlighted by the World Earth Day.

The Practice: MCM Eco-Club under the aegis of Institution's Innovation Council (IIC) 4.0, Mehr Chand Mahajan D.A.V. College for Women, Chandigarh organized an online Workshop on "Recycling Floral Waste Innovatively." Ms. Poonam Sehrawat, a renowned environmentalist, social worker, influencer, and motivational speaker, was the resource person for the day. She runs Aaruhi Enterprises, wherein she has established a self-sustainable business model of making dhoopbatti, diyas & other items from the flower waste of temples. She is on a mission to save the environment and uplift underprivileged women's living standards. She has already trained more than 500 women in this area. In the workshop, she demonstrated stepwise procedures of making agarbattis, dhoop, swastik, Ganesh ji from floral waste generated from various places. She also shared the list of ingredients of premixes that are to be added to the flower waste to acquire the required product. She shared her expertise in recycling flower waste in an innovative way.

Evidence of Success: A huge participation of enthusiastic students along with teachers reflected a great success of this event.

YouTube streaming link: <https://youtu.be/zfeE4EopQVo>



INC - Education Sector

MCM celebrates Earth Day 2022
 April 23, 2022 03:06 PM



Dr. Nisha Bhargava
Principal



Best Lawn Competition in collaboration with MGNCRE, Ministry of Education, GoI



Awareness cum Interactive Session at GMHS, Badheri



Online Workshop on Floral Waste Recycling Innovatively

reuse of waste water from RO, etc. At the end of the session, the NSS volunteers displayed hand made posters to educate the audience about ways to conserve and protect environment. The Department of Environment Science, under the aegis of Institution Innovation Council of the college organised an online workshop on 'Floral Waste Recycling Innovatively'. Ms. Poonam Sehrawat, a renowned environmentalist, social worker, influencer, and motivational speaker, was the resource person for this enlightening workshop. Ms. Sehrawat demonstrated step wise procedure of making agarbattis, dhoop, swastik, Ganesh ji from floral waste. She shared her expertise in recycling flower waste in an innovative way with over 74 participants. Principal Dr. Nisha Bhargava lauded the efforts to help students internalise the value of respect for Mother Earth through such contextual activities that drive home the message of the need to save our planet from the implications of the indiscriminate damage being done by humans. She added that the celebration of Earth Day in its true sense should entail a thoughtful contemplation on mending our ways and reassessing our contribution in saving environment and natural resources.

A2. INTERNATIONAL BIODIVERSITY DAY CELEBRATION ON MAY 22, 2022

Number of participants: 41

Objectives:

- To increase awareness about the importance of biodiversity.
- To make the students familiar with the fauna present in the college

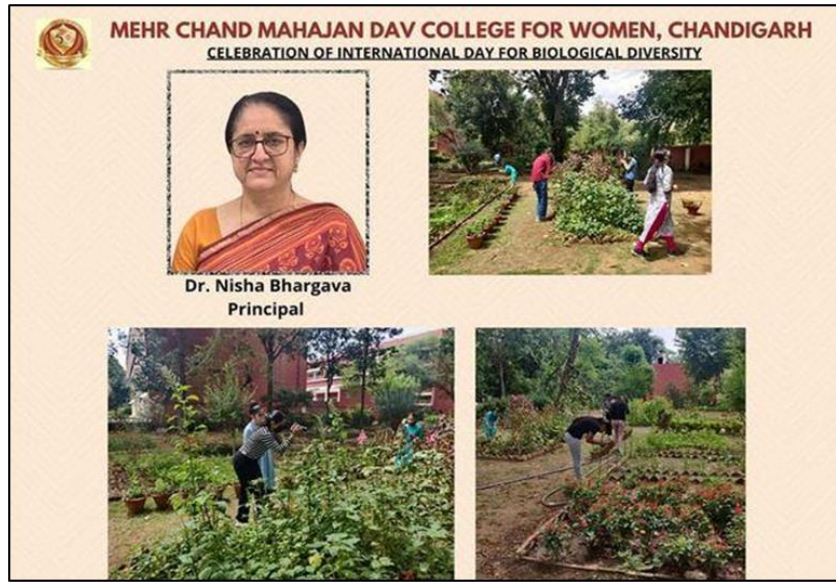
The Context: The International Day for Biological Diversity is an annual event celebrated on 22nd May to create awareness about biodiversity. Biodiversity is essential for maintaining the balance on the Earth but human activities are causing a rapid decline in the same. This day raises awareness of this critical issue and encourages people to take action to protect our planet's precious biodiversity.

The Practice: Department of Zoology in collaboration with Swachhta Committee (Sciences) and MCM Eco-Club 'Parivesh' organized two events celebrating the International Day for Biological Diversity:

- Campus Bird Count
- Campus Insect Count

The above activities were open to all the college students and were held for four days in which the students explored the college campus for several bird and insect species. The students were provided with cameras and binoculars to spot and photograph the animals and the students were also given resources that helped them to identify different genera in the college premises.

Evidence of Success: Eager participation was seen from students of BSc Medical stream as birds and insects are a part of their curriculum. The students used resources like iNaturalist app, eBird, and college faunal lists for identifying the birds and insects. The students identified 25 different genera of birds and insects. The participants got familiar with the avian and arthropodal fauna in the college and learned how to observe the animals in different habitats.



एमसीएम ने अंतर्राष्ट्रीय जैव विविधता दिवस मनाया



ह्यूमन इंद्रिया/व्यूरो चंडीगढ़। अंतर्राष्ट्रीय जैव विविधता दिवस के उपलक्ष्य में, मेहर चंद महाजन डीएचो कॉलेज फॉर विमेन, चंडीगढ़ में जूलॉजी विभाग ने स्वच्छता समिति (विज्ञान) और एमसीएम इको क्लब- परिवेश

के सहयोग से दो गतिविधियों का आयोजन किया, जिनमें कैम्पस बर्ड काउंट और कैम्पस इन्सेक्ट काउंट शामिल थीं। गतिविधियों का उद्देश्य छात्रों को जैव विविधता के मुद्दों को समझ और जागरूकता बढ़ाना और उन्हें कॉलेज में मौजूद जीवों के बारे

में जागरूक करना रहा। चार दिनों तक चलने वाली इन गतिविधियों के दौरान, छात्रों ने कई पक्षी और कीट प्रजातियों को कॉलेज परिसर में खोज की, और कॉलेज परिसर में मौजूद पर्वधियों और कीटों को 25 विभिन्न प्रजातियों की पहचान की।

छात्रों ने पर्वधियों और कीटों की पहचान के लिए आई नेचुरलिस्ट ऐप, ईबर्ड, कॉलेज फॉनल लिस्ट जैसे संसाधनों का इस्तेमाल किया। सभी प्रतिभागी कॉलेज में एडिबन और आर्बोरोपोइल जीवों से परिचित हुए और उन्होंने विभिन्न आवासों में जानवरों का निरीक्षण करना सीखा। प्राचार्या डॉ. निशा भार्गव ने जैव विविधता के बारे में जागरूकता पैदा करने को इस सराहनीय पहल की सराहना की, जो पृथ्वी पर सभी जीवित जीवों के बीच संतुलन बनाए रखने के लिए आवश्यक है। उन्होंने इस तरह की जागरूकता पहल के महत्व पर प्रकाश डालते हुए कहा कि जैव विविधता पृथ्वी को जलवायु को विनियमित करने और पौधों और जानवरों को सभी प्रजातियों के लिए आश्रय प्रदान करने में महत्वपूर्ण भूमिका निभाती है।

MCM celebrates International Day for Biological Diversity

The Aman Sandesh Times Network

Chandigarh : To mark the celebration of International Day for Biological Diversity, the Department of Zoology at Mehr Chand Mahajan DAV College for Women, Chandigarh, in collaboration with Swachhta Committee (Sciences) and MCM Eco Club- Parivesh organised two activities namely, Campus Bird Count and Campus Insect Count. The activities aimed to increase students' understanding and awareness of biodiversity issues and to make them aware about the fauna present in the college. During these activities that spanned four days, students explored the college campus for several bird



and insect species, and identified 25 different genera of birds and insects present in the college premises. The students used resources like iNaturalist app, eBird, college faunal lists for identifying the birds and insects. The participants got familiar with the avian and arthropodal

fauna in the college and learned how to observe the animals in different habitats.

Principal Dr. Nisha Bhargava lauded this praiseworthy initiative to create awareness about biodiversity, which is essential for

maintaining the balance among all the living organisms on Earth. She highlighted the importance of such awareness initiatives by adding that biodiversity plays a significant role in regulating the Earth's climate and providing shelter for all the species of plants and animals.

A3. WORLD ENVIRONMENT DAY CELEBRATION ON JUNE 05, 2022

Resource Person: Dr. Gurpreet Kaur, Assistant Professor, Department of Chemistry, Panjab University, Chandigarh.

Number of participants: 70 (66 students & 04 teachers)

Objective:

- To acquaint the students with the importance of Intellectual Property rights in sustainable development.

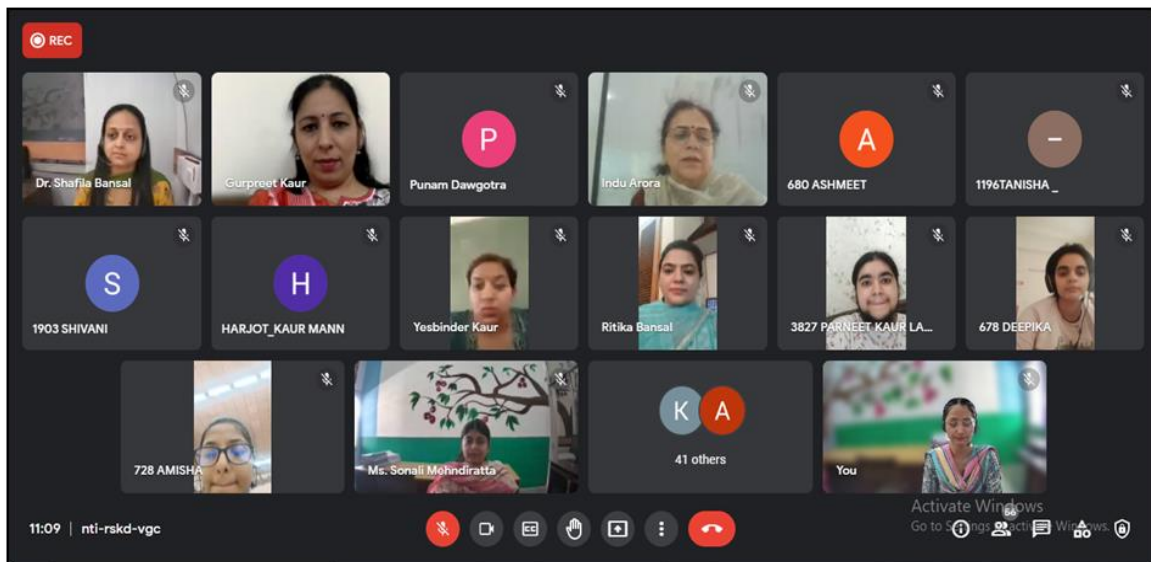
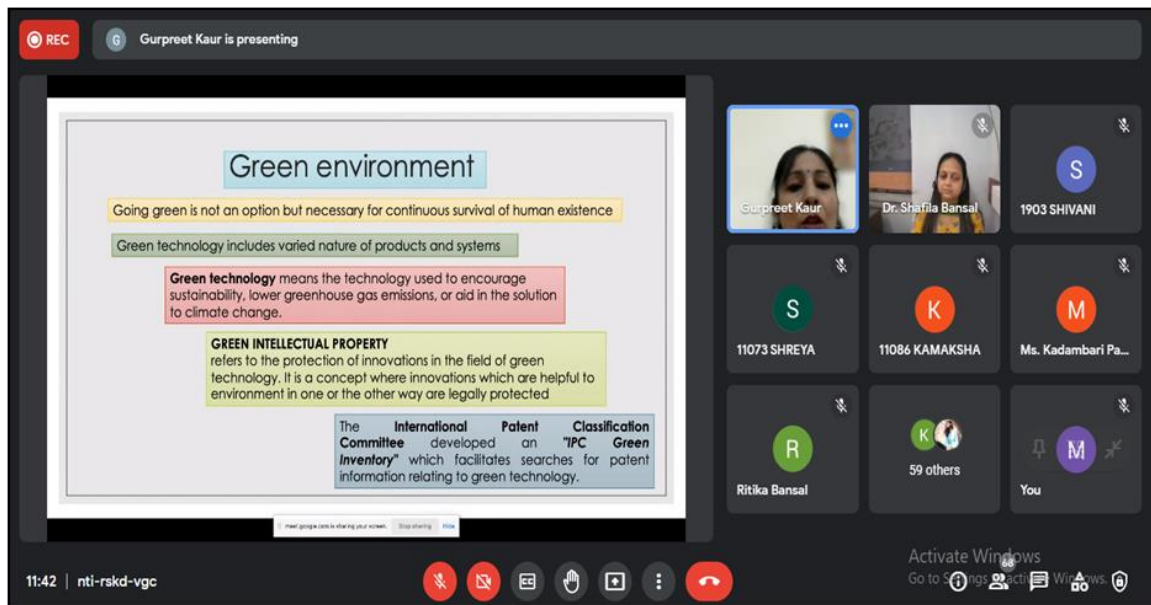
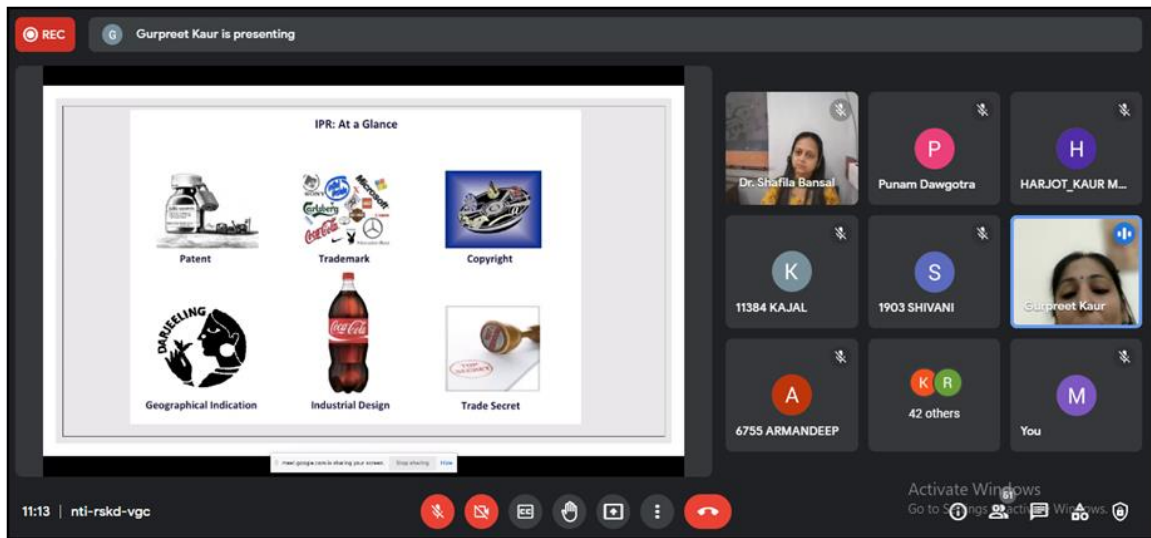
The Context: World Environment Day encourages awareness and action for the protection of the environment. A combination of innovation policies and environmental laws may help in solving various global environmental issues. It is imperative to aware students of the IPR in the environment so that they can think of resolving environmental issues innovatively.

The Practice: MCM Eco-club "Parivesh" under the aegis of Institution's Innovation Council (IIC) 4.0 organized a Webinar on 'Role of Intellectual Property Rights in Constructing Green Environment'. Dr. Gurpreet Kaur, Assistant Professor in the Department of Chemistry, Panjab University was the resource person for the day. Dr. Kaur has 4 Indian Patents; two have been granted and two have been filed. During the webinar, Dr. Kaur highlighted the role of Innovation policies, along with the environmental laws in addressing current global environmental issues. She also mentioned that IPR plays a key role in affecting the quality of innovative ideas as well as the innovative products. Dr. Kaur mentioned that IPR is extremely important to achieve sustainable development for ensuring human health, and environment protection.

Evidence of Success: Participants came to know about the concept of Intellectual property rights and environmental laws.

YouTube streaming link: <https://youtu.be/4v9DZ8HhsDk>

ACTION TAKEN REPORT OF MCM ECO-CLUB 'PARIVESH' - APRIL, 2022- MARCH, 2023



A4. WORLD OZONE DAY CELEBRATION ON SEPTEMBER 16, 2022

Objectives:

- To raise awareness among students about the importance of the ozone layer and the significance of its preservation
- To familiarize students with the ongoing efforts being put into action regarding the ozone layer depletion and the climate change crisis

The Context: The International Day for the Preservation of the Ozone Layer or World Ozone Day is celebrated every year on September 16 to highlight the importance of the ozone layer and to raise awareness among the people about the harmful effects of ozone depletion.

a) ONLINE QUIZ ON THE THEME "MONTREAL PROTOCOL@35: GLOBAL COOPERATION PROTECTING LIFE ON EARTH"

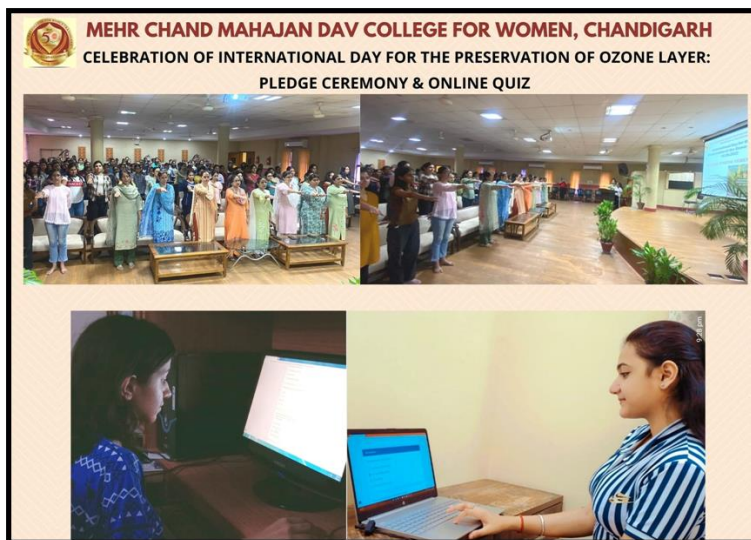
Number of participants: 45

The Practice: MCM Eco-club 'Parivesh' in collaboration with Swachhta committee (Sciences) organized an online quiz competition based on the theme "Montreal Protocol@35: Global cooperation protecting life on Earth" to mark the celebration of International Day for the Preservation of the Ozone Layer. The quiz consisted of multiple-choice questions to test the knowledge of participants pertaining to the ozone layer, climate change, and the current scenario of tackling the issues related to ozone depletion.

Evidence of success: The quiz witnessed enthusiastic participation of 45 students from different streams of the Mehr Chand Mahajan DAV College for Women. The winners were awarded cash prizes and certificates. The results of the quiz are:

The poster is for an online quiz competition organized by MCM Eco-Club 'PARIVESH' and Swachhta Committee - Sciences at Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh (U.T.). The quiz is to mark the celebration of the International Day for the Preservation of the Ozone Layer on 16 September 2022. The theme is "Montreal Protocol@35: Global Cooperation Protecting Life on Earth". The poster includes a list of guidelines: the quiz is open to all students, no prior registration is required, responses will be recorded only once, winners will be notified by mail, cash prizes (Rs. 1000, 800, 500) and certificates will be awarded to the top three, and the quiz link will be open from 4:00 PM to 4:20 PM on the scheduled date. A 'CLICK HERE' button is provided for participation.

- **1st:** Girisha of BSc III Non-medical (310)
- **2nd:** Mudita Jain of BSc I Medical (1106)
- **3rd:** Khushi of BA I (4078)



b) PLEDGE TAKING CEREMONY

Number of participants: 10 faculty members & 158 students

The Practice: A pledge taking ceremony was organized as per the guidelines of Chandigarh Pollution Control committee in order to make an effort to restrict and control the emission of ozone depleting substances (ODS), to promote use of ozone friendly products, to sensitize the society about effects of ODS, and to protect the Earth and all living beings of the present and future generations.

एमसीएम ने ओजोन परत के संरक्षण के लिए अंतर्राष्ट्रीय दिवस मनाया

ओजोन परत के संरक्षण की शपथ लेते हुए

<p>सवेरा न्यूज/नीना चंडीगढ़, 20 सितंबर : ओजोन परत के संरक्षण के लिए अंतर्राष्ट्रीय दिवस को चिह्नित करने के लिए एमसीएम डीएवी कॉलेज फॉर वुमन सैंक्टर 36 के इको क्लब परिवेश ने कॉलेज की स्वच्छता समिति विज्ञान के सहयोग से एक ऑनलाइन प्रश्नोत्तरी प्रतियोगिता और एक प्रतिज्ञा समारोह का आयोजन किया। ओजोन परत के महत्व और इसे संरक्षित करने की आवश्यकता के बारे में विद्यार्थियों के बीच जागरूकता बढ़ाने के उद्देश्य से प्रश्नोत्तरी मॉन्ट्रियल प्रोटोकॉल@35: ग्लोबल कोऑपरेशन प्रोटोकॉलिंग लाइफ ऑन अर्थ विषय पर आधारित थी। इसमें ओजोन परत,</p>	<p>जलवायु परिवर्तन और ओजोन रिक्तिकरण से संबंधित मुद्दों से निपटने के वर्तमान परिदृश्य से संबंधित प्रतिभागियों के ज्ञान का परीक्षण करने के लिए बहुविकल्पीय प्रश्न शामिल थे। प्रश्नोत्तरी में विभिन्न धाराओं के 45 विद्यार्थियों ने उत्साहपूर्वक भाग लिया। विजेताओं को नकद पुरस्कार और प्रमाण पत्र दिए गए। चंडीगढ़ प्रदूषण नियंत्रण समिति के दिशा-निर्देशों के अनुसार परिवेश क्लब द्वारा शपथ समारोह भी आयोजित किया गया। विद्यार्थियों ने ओजोन के अनुकूल उत्पादों के उपयोग को बढ़ावा देने, ओडीएस के प्रभावों के बारे में समाज को संवेदनशील बनाने और वर्तमान</p>	<p>समय में पृथ्वी एवं इस पर रहने वाले सभी जीवित प्राणियों और आने वाले पीढ़ियों को रक्षा करने के लिए ओजोन क्षयकारी पदार्थों (ओडीएस) के उत्सर्जन को प्रतिबंधित और नियंत्रित करने के प्रयास करने का वचन दिया। प्राचार्या डॉ. निशा भागव ने ओजोन परत की समस्या के बारे में जागरूकता बढ़ाने के लिए इको क्लब और स्वच्छता समिति के प्रयासों की सराहना की। उन्होंने आगे कहा कि मानव गतिविधि ने पृथ्वी की सुरक्षात्मक परत को नुकसान पहुँचाया है और यह हमारी जिम्मेदारी है कि हम ओजोन को क्षति पहुँचाने वाले पदार्थों को चरणबद्ध तरीके से हटाकर इसे संरक्षण प्रदान करें।</p>
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A5. WILDLIFE WEEK CELEBRATION (OCTOBER 3-8, 2022)

Objectives:

- To make students aware of endangered species in order to protect and conserve them from being extinct.
- To generate awareness about various laws related to wildlife conservation.

The Context: The role played by wildlife in maintaining the ecological balance of Nature is undeniable. Any harm to the wilderness can pose a threat to the entire ecosystem. Thus, it is very crucial to preserve flora and fauna. The National Wildlife Week is celebrated from the 2nd to the 8th of October every year in India with an aim to protect and preserve Indian flora and fauna. Wildlife Week was conceptualized in 1952 with a long-term goal to safeguard the lives of the endangered and threatened species of animals.

The Practice: Character Building Committee of the college & MCM Eco club 'Parivesh' celebrated National Wildlife week under the theme "Recovering key species for ecosystem restoration" from October 3-8, 2022. These week-long celebrations intended to sensitize the students about the importance of flora and fauna, and their conservation and protection through various events like Documentary screening, Flower photography, Extempore speech, PowerPoint Presentation, Butterfly pebble painting competition, Debate, Face painting competition and Nukkad Natak. The details of the activities undertaken are as follows:



a) DOCUMENTARY SCREENING

Date: 03.10.2022

Number of participants: 40

An hour-long BBC documentary titled **'One Hour of Amazing Animal Moments'** based on the diversity of wildlife in different habitats was streamed. Around 40 students of science and arts stream came to view the



documentary. At the end, a discussion between students and faculty members was held to emphasize the significance of the variety of animal life on the Earth, and how each of the animals shown in the documentary have adapted to survive in the challenging habitats.

b) FLOWER PHOTOGRAPHY CONTEST

Date: 04.10.2022

Number of participants: 40

Student ambassadors: Ms. Arpita (219) & Ms. Sanchita (281)



A flower photography competition was organized with an aim to learn about the different species of flowering plants, and to spread the message about the relevance of all types of flowers, their conservation and restoration for sustainability and ecological stability. As many as 40 students participated in the activity and submitted 3 entries each with their geotagged pictures. **Result of Flower photography contest**

Prize	Name of the participant	Class	Roll No.
First	Ishika Jain	BA III	2832
Second	Monika Verma	BSc III Medical	161
Third	Simranjit Kaur	BA II	2684



c) WILDLIFE SEARCH IN BACKYARD

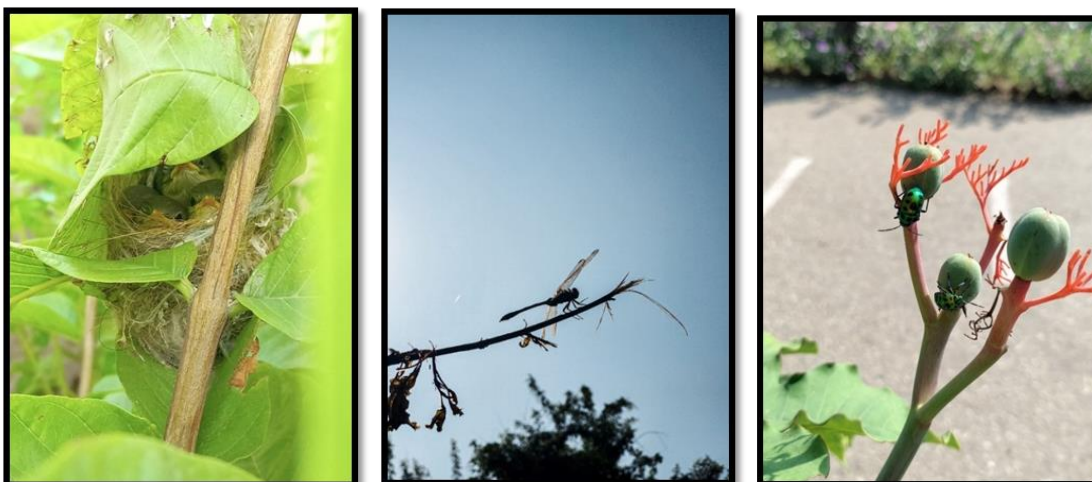
Dates: 05-06.10.2022

Number of participants: 16

Student ambassador: Ms. Shahista (163)

A total of 16 participants clicked photographs of wildlife in their backyards and submitted entries in jpeg format through google form. The students came to know about the different natural habitats of biodiversity in and around their native places. The entries were judged based on originality, quality and overall impact. **Result of Wildlife search in backyard**

Prize	Name of the participant	Class	Roll No.
First	Divya	BSc III Medical	286
Second	Aditi	BSc II Medical	752
Third	Arshiya Mehta	BA III	2737



d) POWERPOINT PRESENTATION COMPETITION

Date: 07.10.2022

Number of participants: 10

Student ambassador: Ms. Taranpreet (261)

A total of 10 students gave power point presentations on the topic “Threat to aquatic wildlife”. The participants emphasized that Climate change is the greatest threat to ocean health. It is making oceans hotter, promoting acidification, and making it harder for the biodiversity to breathe in them by reducing dissolved oxygen levels. They also discussed the ill effects of ocean dumping, dredging, land run off, oil spills, water and noise pollution from ships, plastic pollution and so on.



Result of Power point presentation:

Prize	Name of the participant	Class	Roll No.
First	Ashmeet Kaur	BSc II Medical	680
Second	Vidushi Khera	BSc III Medical	168
Third	Mudita Jain	BSc I Medical	1106



A6. NATIONAL POLLUTION PREVENTION DAY DECEMBER 02, 2022

Number of participants: 46

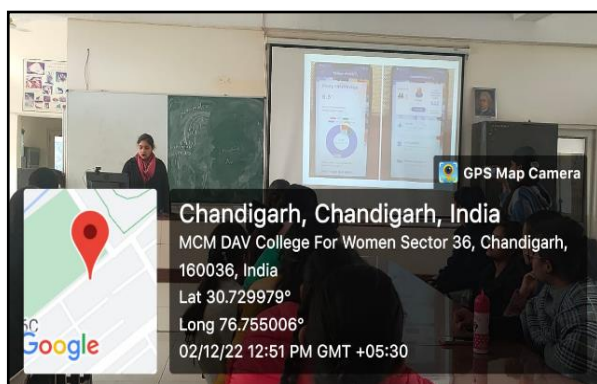
Objectives:

To instill awareness about environmental pollution and its negative impacts on our health and planet

To encourage the students for the adoption of pollution control acts to prevent the environmental pollution caused by human negligence

To improve the quality of the environment and to encourage the sustainable management of resources.

The Context: National Pollution Control Day is observed in memory of those who lost their lives in the Bhopal Gas tragedy on 2nd December 1984 and is considered as one of biggest industrial pollution disasters. It serves as a reminder of what



human negligence and carelessness does to the environment. Increasing environmental pollution, including greenhouse gas emissions and acid deposition, as well as water pollution and waste management are considered as threats and dangers to our existence. National Pollution Control Day focuses on preventing pollution and raising awareness about the ways we keep exploiting Mother Nature.

The Practice: Institution's Innovation Council in collaboration with MCM Eco-club 'Parivesh' organized a lecture on "Carbon Watch Application" by Dr. Sandeep Kaur, Assistant Professor in Zoology, Mehr Chand Mahajan DAV College for Women, Chandigarh. Dr. Sandeep spread awareness about the "Carbon Watch App" which is a mobile application launched by Chandigarh



Administration. Chandigarh has become the first city/UT in India to initiate this step. This app focuses on an individual action and calculates carbon footprinting on the basis of transport, energy and water consumption. It encourages people to be Climate-Smart Citizens while making them capable of accessing their carbon footprint, along with providing them with steps to reduce it. It also sensitizes people about their lifestyle emissions, their impact and possible counter measures to mitigate the same. Dr.

Sandeep further motivated the participants to download the app and calculate their carbon footprint values.

Evidence of success: As many as 46 students of B.Sc. III Medical attended the session and got sensitized to reduce their carbon footprint values.

A7. WORLD ENERGY CONSERVATION DAY CELEBRATION ON DECEMBER 14, 2022

Number of participants: 50

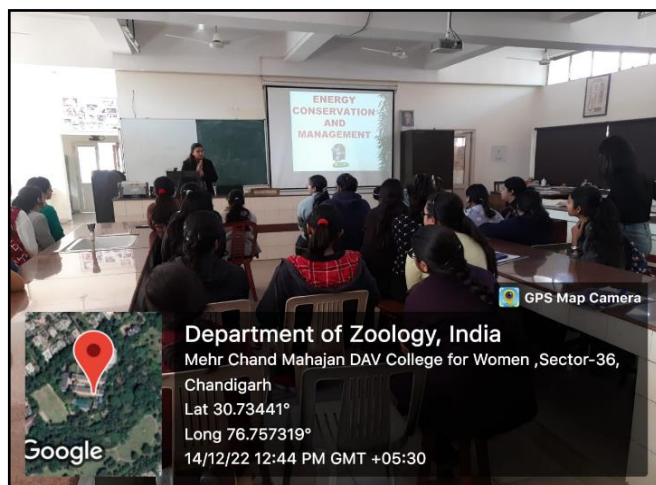
Objectives: To spread awareness about energy efficient technologies

To explain the general ways to save energy at personal, community and global level

The Context: The National Energy Conservation day is celebrated to make people aware of global warming and climate change, and to promote efforts towards saving energy resources. It also highlights the achievements of the country in the fields of energy efficiency and conservation.

The Practice: Institution's Innovation Council (IIC 5.0) in collaboration with MCM Eco-Club 'Parivesh' and Renewable energy committee of the college organized an awareness session on 'Energy conservation and management' by Dr. Pallavi Gupta,

Assistant Professor in Physics, Mehr Chand Mahajan DAV College for Women, Chandigarh on 14.12.2022 to celebrate National Energy Conservation day. Dr. Pallavi introduced the participants to five types of renewable energy resources by citing various examples to help them understand the transformation of energy mainly solar, wind and water into electricity. She also highlighted the simple and effective steps that students



can take to minimize energy wastage in the college campus and at their homes. Apart from this, she also discussed about the government initiatives taken for energy conservation by introducing the Energy Conservation Act, 2001 for better utilization and conservation of energy. This act made it mandatory for the energy intensive sectors to get their Energy audit conducted by accredited energy auditor. She also mentioned the star rating system for electrical appliances in which 1-5 stars are assigned to the products depending on their energy efficiency.

Evidence of Success: As many as 50 students of B.Sc. Medical attended the session and promised to make changes in their habits in order to ensure that energy is conserved for future generations.

A8. WORLD WETLANDS DAY CELEBRATION

Number of participants: 45 students and 02 teachers

Objective: To spread awareness about the importance of wetlands in order to reverse their rapid loss and encourage actions to conserve and restore them.

The Context: The World Wetlands Day, celebrated annually on 2nd February, aims to raise global awareness about the vital role of wetlands for the people and the planet. This day also marks the date of the adoption of the Convention on Wetlands on 2nd February 1971, in the Iranian city of Ramsar. Harike Wildlife Sanctuary also locally known as 'Hari-ke-Pattan' is one of the largest wetlands in northern India situated at the confluence of two major rivers of Punjab i.e., Sutlej and Beas. This man-made, riverine wetland spreads across three districts of Punjab i.e., Tarn Taran, Ferozepur and Kapurthala.

The Practice: MCM Eco-Club 'Parivesh' in collaboration with the Department of Zoology organized an educational trip to Harike Pattan Wetland and Wildlife sanctuary on 28.01.2023. Forty-five students of B.Sc. Medical were accompanied by two staff members for the field visit. The



sanctuary is a bird watchers' paradise and attracts thousands of migratory birds during winter. Around 375 bird species have been recorded in the sanctuary. The lake is particularly famous for diving ducks such as the crested pochard, common pochard and tufted ducks which occur in very large numbers. Harike also



harbours endangered aquatic mammals as well as reptilian fauna like Indus river dolphin, smooth-coated otter and seven species of rare freshwater turtles. The mammals spotted at Harike included the jungle cat, jackal, monkeys and the common mongoose. The students and faculty enjoyed the experience of capturing images of rich faunal diversity of the wetland.

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



A9. WORLD SPARROW DAY CELEBRATION ON MARCH 20, 2023

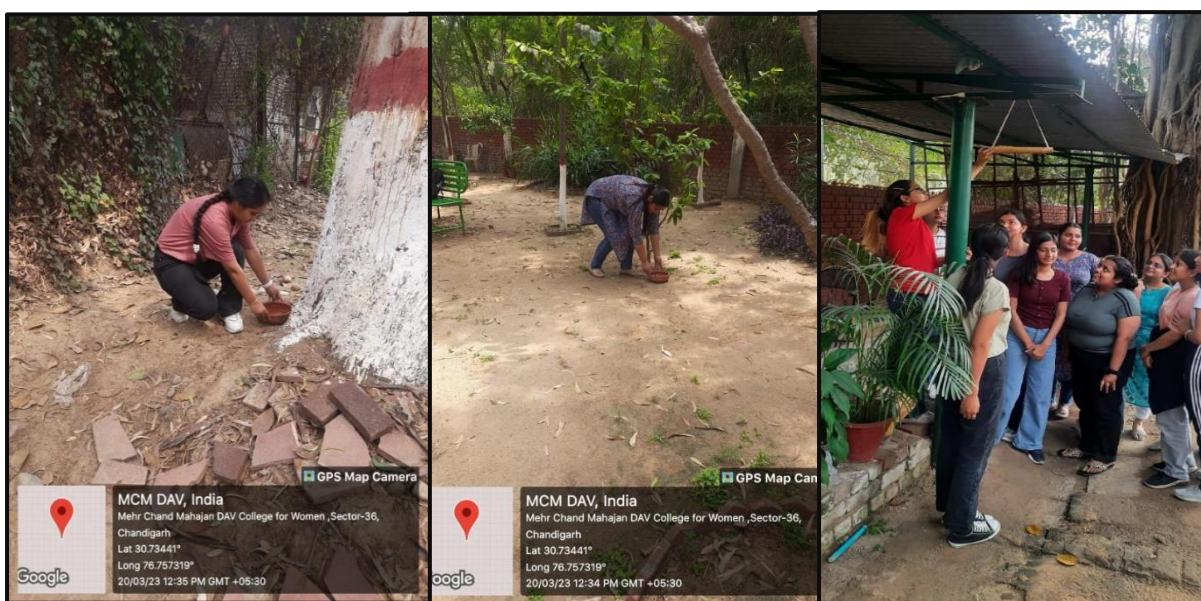
Number of participants: 25 students and 02 teachers

Objective: To sensitize students about the fact that the sparrows need to be protected as they are very important for the ecological balance in the Nature.

The Context: The decline of the house sparrow is an indicator of the continuous degradation of the environment around us. The theme of World Sparrow Day 2023 is "I Love Sparrows", with the goal of encouraging more people to appreciate the relationship between humans and sparrows.

The Practice: MCM Eco-Club 'Parivesh' and the Department of Zoology organized Installation of bird feeders in the college campus on the occasion of World Sparrow Day on 20 March, 2023. The rationale for celebrating World Sparrow Day was to spread awareness about the need to conserve house sparrows by protecting their natural habitats. Grain and water feeders were installed at various places in the college campus to lure sparrows.

Evidence of success: Students of BSc Medical volunteered to install bird feeders in the college campus and promised to check the availability of grains and water in the feeders.



A10. WORLD FOREST DAY CELEBRATION ON MARCH 22, 2023

SHOWCASING OF A SHORT FILM- "OUR PLANET"

Number of participants: 45 students and 02 teachers

Objective: To make students realize the importance of forests and aware them about the dire need to protect them.

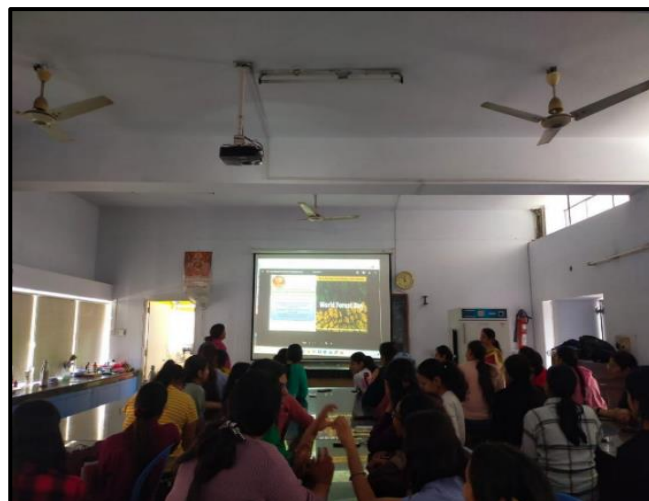
The Context: Forests have the ability to combat climate change and provide a range of ecosystem services that could support livelihoods for communities. Conserving and sustainably using forests is one of the best ways of protecting our planet and ourselves. Healthy forests are vital for all aspects of a healthy planet, from livelihoods and nutrition to biodiversity and the environment, but they are under threat. It's up to us to safeguard these precious natural resources.

The Practice: Committed to the theme of 'Forests and Health' the Department of Botany, and Add-on course in Floriculture & Landscaping under the aegis of MCM Eco Club 'Parivesh' celebrated the World Forestry Day. A short film entitled "Our Planet" was showcased to the students of B.Sc. Medical through Netflix to celebrate this occasion. The main aim of this year's theme is to make people realize that healthy forests keep the people healthy.



Evidence of success: Awareness was raised among the students regarding the role played by forests in the ecosystem and in our survival. Link of the short film:

<https://youtu.be/JkaxUbICGz0>



A11. WORLD WATER DAY CELEBRATION ON MARCH 22, 2023

Number of participants: 45 students

Objectives: To sensitize the students about different methods of water conservation

The Context: Water is the most important natural resource that living beings need. Every year on March 22, World Water Day is commemorated to raise awareness and inspire action to address the water and sanitation problems.

The Practice: MCM Eco-Club 'Parivesh' in collaboration with the Department of Zoology organized showcasing of a documentary "The Last Drop" on the occasion of World Water Day. This documentary sheds light on our most important resource and showcases the tireless work of many to keep our water flowing, our rivers thriving and food growing.



Evidence of success: The documentary session followed by group discussion resulted in awareness among students regarding the importance of water conservation. Link of the documentary- <https://www.youtube.com/watch?v=8sMt6rvop2Q>



B. ORGANIZING AWARENESS PROGRAMMES

B1. DEBATES AMONG COLLEGE STUDENTS ON ENVIRONMENTAL ISSUES

i) DEBATE COMPETITION

Date: 07 October 2022

Number of participants: 08

Student ambassadors: Ms. Arkita (245) & Ms. Monika (161)

A debate competition was organized on the topic “Pros and Cons of Genetically modified organisms (Plants/Animals)”. Participants were given a maximum 5 minutes time to speak either in favour or against the topic. 08 students of B.Sc. Medical enthusiastically participated in this event and presented their views.

Result of debate competition:

Prize	Name of the participant	Class	Roll No.
First	Mudita Jain	BSc I Medical	1106
Second	Ashmeet Kaur	BSc II Medical	680
Third	Bhavya Saini	BSc I Medical	1128



ii. EXTEMPORE SPEECH COMPETITION

Date: 04 October 2022

Number of participants: 24

Student ambassadors: Ms. Yashika (255) & Ms. Sanchita (281)

24 participants from science and humanities streams participated in Extempore speech competition. The participants were supposed to pick topics on the spot from a bowl randomly, think for 2 minutes, form an opinion and eventually present a 5-minute speech in the language of their choice. The students actively participated and gave innovative thoughts from their perspectives. Some of the topics of the event were - Religion based sacrifice of animals, Slaughtering of animals for eating, Effect of tourism on wildlife, Disadvantages of technology on flora and fauna, Exploitation of plants in cosmetic and skin care industry, and so on. The event helped the participants to improve their confidence and on the spot thinking abilities.

Result of Extempore speech competition

Prize	Name of the participant	Class	Roll No.
First	Akanksha Shukla	BA I	4848
Second	Monika Verma	BSc III Medical	161
Third	Shivali	BSc III Medical	271



B2. POPULAR TALK ON ENVIRONMENTAL ISSUES BY EXPERT/S

POPULAR TALKS DURING ENVIRONMENT EDUCATION PROGRAM ON THE THEME 'ECOSYSTEM RESTORATION'

Objective: To introduce to students the concept of Mission LiFE- an India-led global mass movement initiated to nudge individual and community action to protect and preserve the environment.

The Context: India introduced the concept of LiFE- Lifestyle for Environment during the 26th United Nations Climate Change Conference of the Parties (COP26) in Glasgow in 2021 to promote an environmentally conscious lifestyle that emphasizes “mindful and deliberate utilization” instead of “mindless and wasteful consumption”. India is the first country to include LiFE in its Nationally Determined Contributions (NDCs).

The Practice: MCM Eco-Club 'Parivesh' organized an 'Environment Education program' based on the theme 'Ecosystem Restoration' from 27-29 March, 2023 under Mission LiFE- Lifestyle for Environment with Punjab State Council for Science & Technology as the State Nodal Agency and Ministry of Environment & Climate Change (MoEF&CC) as the catalyzing and supporting agency. Punjab State Council for Science & Technology sanctioned an amount of Rs. 1.30 lakhs to the college for organizing this 3-day program during which hands-on training workshops, capacity building programs, campaign and painting competition were organized in the college campus. The details of the activities undertaken are as follows:

a) Talk on 'How to make Eco Bricks using plastic waste'

Date: 27 March 2023

Number of participants: 155 students
& 06 teachers

The Resource person Ms. Saranjeet Kaur, Eco-Club In-charge, Bhavan Vidyalaya Junior Wing, Chandigarh conducted a session on 'How to make Eco Bricks using plastic waste'. She emphasized that single use plastic is



harming the environment and it is the need of the hour to think of the ways to reduce its use so that it does not enter the food chain.



b) Talk on the theme 'Forests: Blueprint of a Healthy and sustainable Future'

Date: 28 March 2023

Number of participants: 133 students & 05 teachers

The first session was conducted by Dr. Rohit Sharma, Scientist, Department of Forest Products, Dr. Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan on the topic 'Role of Natural Products in Drug Discovery'. He explained the participants how the processing of plant-based drugs take place in different steps starting from the basic research to pre-clinical testing phase I, II, III, clinical trials, FDA approvals, and then final launch of the products in the market.



The second session of the day was conducted by Dr. Pancy, Scientist, Department of Forest Products, Dr. Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan on 'Non-Timber Forest Products (NTFP)'. She talked about the different categories of NTFP's, their role in providing livelihood to millions of people, and elevating the economic prosperity and sustainability of the country.



c) Talk on 'How to design small bioreactors'

Date: 29 March 2023

Number of participants: 153 students & 06 teachers

The resource person Mr. Puneet Arora, Founder, Ecologic Corporation, Panchkula gave hands on training on 'How to design small bioreactors' for the management of biodegradable waste in the college campus using eco-enzyme. He also discussed the interactions of bacterial and fungal communities during the process of biodegradation.



d) Talk on 'Biodiversity data repository'

Date: 29 March 2023

Number of participants: 185 students & 05 teachers

The session on 'Biodiversity repository' was conducted by Dr. Arun Bansal, Administrator, Social substance, Panjab University, Chandigarh. Dr. Bansal stressed that there is a lot of data about flora and fauna spread across all levels of educational and research institutions. Biodiversity repository can make it easier for people to find all this information by bringing it together in one place.

He also showcased the achievements of social substance group and motivated the students to contribute to the society in whatever way they can.



e) Talk on 'Role of Youth in Plastic Waste Management and Entrepreneurship'

Date: 29 March 2023

Number of participants: 132 students & 06 teachers

The session was conducted by Ms. Reena Chadha, General Manager, Indian Pollution Control Association (IPCA). Ms. Chadha sensitized students in her unique ways to think sensibly and be ecofriendly. She highlighted the efforts of IPCA in the recycling of plastic waste to make useful products, and discussed business opportunities in Plastic waste management. The participants also took oath to beat the plastic pollution. The session ended with participants dancing to the tune of 'Tik Tik, Plastic Tik Na Paye'- the #BeatPlasticPollution Anthem sung by Bollywood top singers.





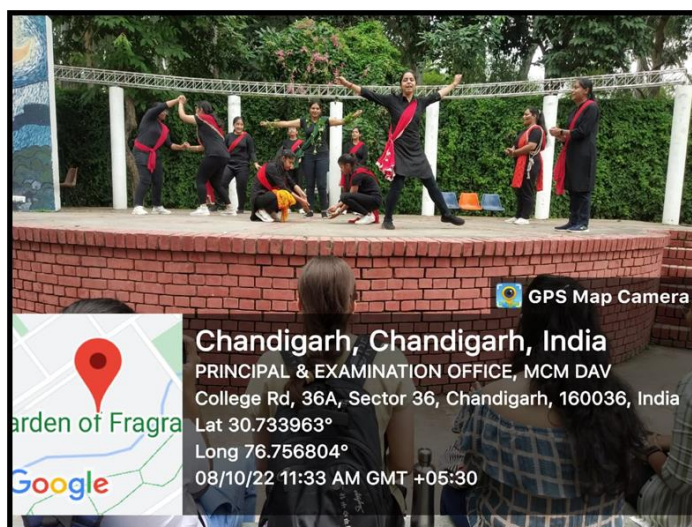
B3. PUPPET SHOW/NUKKAD NATAK/ DRAMAS

NUKKAD NATAK

Date: 08.10.2022

Student ambassadors: Ms. Divya (286), Ms. Hiya (257) & Ms. Muskan (279)

In an effort to enhance awareness about wildlife conservation by connecting directly with the young generation, the student volunteers of MCM Eco-Club staged a Nukkad Natak to highlight issues related to wildlife. Students' performance in the



Nukkad natak was applauded by Madam Principal and the audience.



During the valedictory session, Madam Principal Dr. Nisha Bhargava highlighted the role played by wildlife in maintaining the ecological balance in nature and asserted that any harm to the wilderness can pose a



threat to the entire ecosystem. She motivated the students to work towards safeguarding the lives of the endangered and threatened species of animals, and also raise awareness about the same.

B4. PAINTING/ DRAWING/ POSTER COMPETITIONS ON ENVIRONMENTAL ISSUES.

i. BUTTERFLY PEBBLE PAINTING CONTEST

Date: 07.10.2022

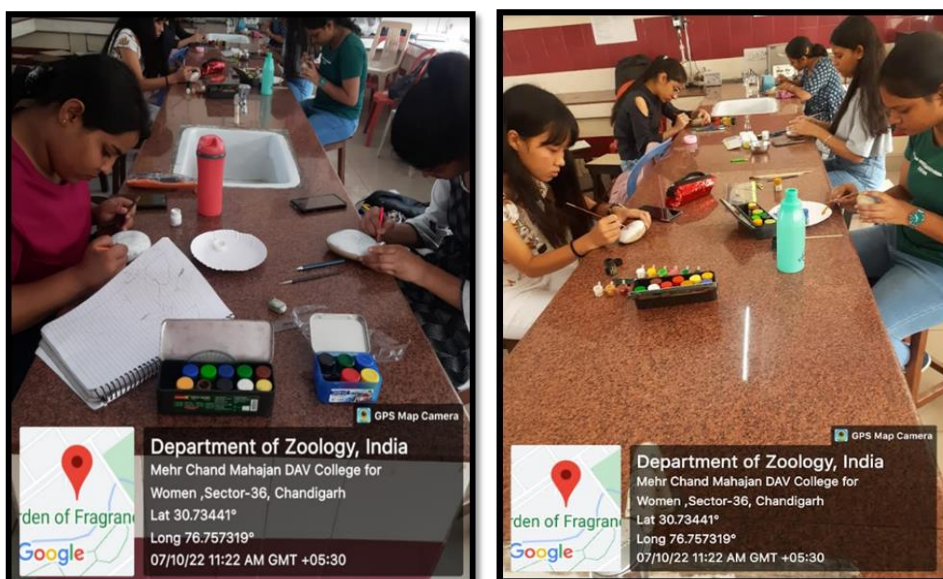
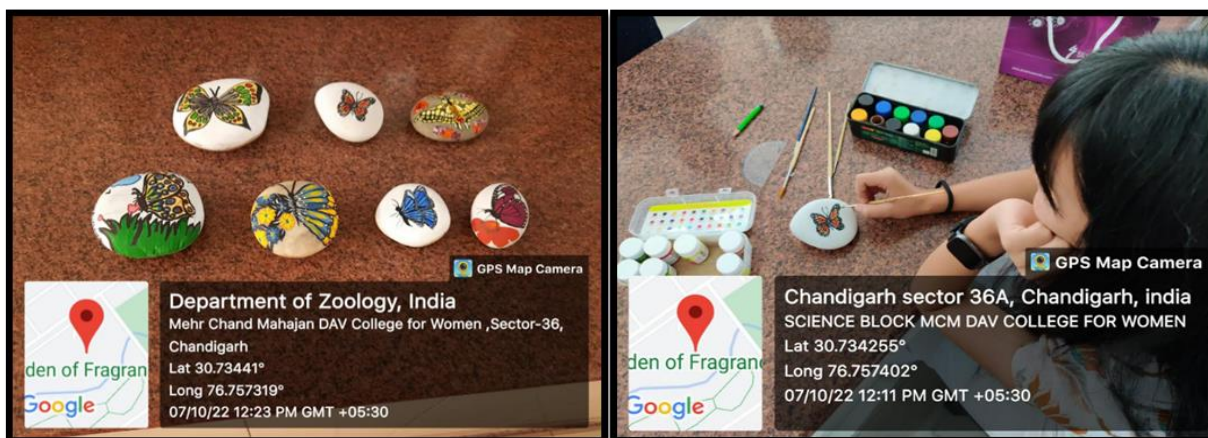
Number of participants: 07

Student ambassadors: Ms. Sania (291) & Ms. Shivali (271)

Seven students participated in the Pebble painting contest and painted butterflies of different genera. Participants learned about different genera and species of butterfly, many of which were present on the college campus. The students also had an opportunity to showcase their imaginative and artistic side.

Result of Butterfly pebble painting contest

Prize	Name of the participant	Class	Roll No.
First	Chetna	BSc III Medical	187
Second	Shruti	BSc II Medical	697
Third	Deepika	BSc I Medical	1166



ii. E-POSTER MAKING COMPETITION

Date: 07.10.2022

Number of participants: 10

Student ambassador: Ms. Ashmeet (680)

A total of 10 participants prepared E-posters on the topic 'New animal/plant species discovered in 2020-2022'. This activity made students aware about newly discovered biodiversity in different parts of the world. **Result of E-poster competition**

Prize	Name of the participant	Class	Roll No.
First	Chhavi	BSc II Medical	695
Second	Yashika Sharma	BSc III Medical	255
Third	Vanshika	BSc III Medical	174



iii. FACE PAINTING COMPETITION

Date: 08.10.2022

Number of participants: 09 teams of two participants each

Student ambassadors: Ms. Chetna (187) & Ms. Yashika (117)

Face painting competition on the theme 'Endangered Wildlife' was a team event where each team consisted of two members: one artist and other model. Participants were instructed to use non-toxic water based colours. The time duration for the completion was 1 hour and 9 teams participated in this activity. The main criteria of the judgement were overall appearance, clarity of message conveyed, neatness and creativity.



Result of Face painting competition

Prize	Name of the participant	Name of the model
First	Chhavi Rani (BSc II Medical- 695)	Sakshi Negi (BSc II Medical- 655)
Second	Avni Garg (BSc III Medical- 296)	Taranpreet Kaur (BSc III Medical- 261)
Third	Kavya Majahan (BA II- 1696)	Dhrishti (BCA II- 6784)

ACTION TAKEN REPORT OF MCM ECO-CLUB 'PARIVESH' - APRIL, 2022- MARCH, 2023



iv. PAINTING COMPETITION ON THE THEME 'I LOVE SPARROWS'

Date: 28 March 2023

Number of participants: 16 students

An on-the-spot painting competition was held on the theme 'I love sparrows' to raise awareness about the decreasing population of sparrows. About 16 participants from different streams showcased their talent and artistic skills in this competition. The participants presented very innovative ideas for conservation of birds through their paintings. Shubhreet Kaur of B.Com. I, Chhavi of B.Sc. II (Medical) and Kashish Khanna of BA I were awarded cash prizes of Rs. 1500/-, 1000/- and 800/- respectively.



Media Coverage:

MCM celebrates National Wildlife Week



CHANDIGARH: The Character Building Committee and Parivesh- the Eco Club of Mehr Chand Mahajan DAV College for Women, Chandigarh, celebrated National Wildlife Week with a host of events under the theme of 'Recovering key species for ecosystem restoration'. The week-long celebration aimed to sensitise the students about the importance of flora and fauna, and their conservation and protection through various events like Documentary Screening, competitions like Flower Photography, Extempore Speech, Power Point Presentation, Butterfly Pebble Painting, Debate, Wildlife Search in the Backyard and Face Painting, and Nukkad Natak. The celebration began with screening of documentary titled 'One Hour of Amazing Animal Moments' based on the diversity of wildlife in different habitats. On the next day, a Flower Photography Competition was organised with the objective of motivating students to explore different species of flowering plants, and to spread the message about the relevance of all types of flowers, their conservation and restoration for sustainability and ecological stability. The Extempore Speech Competition included topics like religion based sacrifice of animals, slaughtering of animals for food, effect of tourism on wildlife, disadvantages of technology on flora and fauna, exploitation of plants in cosmetic and skincare industry, and so on.

राष्ट्रीय वन्यजीव सप्ताह पर प्रतियोगिताएं आयोजित

सवेरा न्यूज/नीना चंडीगढ़, 17

अक्टूबर : चरित्र निर्माण समिति और एमसीएम डीएवी कॉलेज फॉर वूमैन सेक्टर 36 के इको क्लब परिवेश ने रीकवरींग की स्पीसीज फॉर इकोसिस्टम रेस्टोरेशन विषय के तहत कई कार्यक्रमों के साथ राष्ट्रीय वन्यजीव सप्ताह मनाया गया।



वाइल्डलाइफ सर्च इन द बैकयाड कार्यक्रम में

फेस पेंटिंग करती छात्रा।

प्रतिभागियों ने अपने आसपास वन्यजीवों की तस्वीरें क्लिक कीं। पावर प्वाइंट प्रेजेंटेशन प्रतियोगिता श्रेट टू अकुआटिक वाइल्डलाइफ विषय पर आयोजित की गई थी, जिसमें प्रतिभागियों द्वारा जलवायु परिवर्तन पर समुद्र के स्वास्थ्य के लिए सबसे बड़ा खतरा, समुद्र में डीपिंग के दुष्प्रभाव, डेजिंग, लैंड रन ऑफ, तेल रिसाव, जहाजों से पानी और ध्वनि प्रदूषण, प्लास्टिक प्रदूषण आदि पर

विचारोत्तेजक विचारों को प्रस्तुति देखी गई।

कंकड़ चित्रकला प्रतियोगिता में प्रतिभागियों ने कंकड़ पर विभिन्न प्रजातियों की तितलियों को चित्रित किया। वन्यजीव संरक्षण के बारे में जागरूकता बढ़ाने के प्रयास में, परिवेश के विद्यार्थी स्वयंसेवकों ने वन्यजीवों से संबंधित मुद्दों पर प्रकाश डालते हुए एक नुककड़ नाटक का मंचन किया।

एमसीएम ने राष्ट्रीय वन्य जीव सप्ताह मनाया

चंडीगढ़, 17 अक्टूबर (राम सिंह बरह) : चरित्र निर्माण समिति और मेहर चंद महाजन डीएवी कॉलेज फॉर विमैन, चंडीगढ़ के इको क्लब 'परिवेश' ने रीकवरींग की स्पीसीज फॉर इकोसिस्टम रेस्टोरेशन विषय के तहत कई कार्यक्रमों के साथ राष्ट्रीय वन्यजीव सप्ताह मनाया। सप्ताह भर चलने वाले इस उत्सव का उद्देश्य विद्यार्थियों को वनस्पतियों और जीवों के महत्व और उनके संरक्षण के बारे में विभिन्न कार्यक्रमों जैसे वृत्तचित्र स्क्रीनिंग, फ्लावर फोटोग्राफी, एक्सटेम्पोरे स्पीच, पावर प्वाइंट प्रेजेंटेशन, बटरफ्लाई पेबल पेंटिंग, वाद-विवाद, अपने आस पास वन्यजीव खोज और फेस पेंटिंग जैसी प्रतियोगिताओं एवं नुककड़ नाटक के माध्यम से जागरूक करना रहा। उत्सव की शुरुआत विभिन्न अडवांसों में वन्य जीवों की विविधता पर आधारित वन ऑफ ऑफ अर्नोबिंग एनिमल मोमेंट्स नामक वृत्तचित्र की स्क्रीनिंग के साथ हुई। अगले दिन, छात्रों को फूलों के पौधों की विभिन्न



एमसीएम कालेज सेक्टर-36 में राष्ट्रीय वन्य जीव सप्ताह के दौरान विभिन्न कार्यक्रमों में भाग लेती हुई छात्राएं।



प्रजातियों का पता लगाने के लिए प्रेरित करने और सभी प्रकार के फूलों की प्रासंगिकता, उनके संरक्षण और पारिस्थितिक स्थिरता के संरक्षण का संदेश फैलाने के उद्देश्य से एक फूल फोटोग्राफी प्रतियोगिता का आयोजन किया गया। एक्सटेम्पोरे स्पीच प्रतियोगिता में धर्म आधारित जानवरों की बलि, भोजन के लिए जानवरों का वध, वन्य जीवन पर पर्यटन का प्रभाव, वनस्पतियों और जीवों पर प्रयोगिकों के नुकसान, कॉस्मेटिक

और त्वचा देखभाल उद्योग में पौधों का शोषण आदि विषय शामिल थे। वाइल्डलाइफ सर्च इन द बैकयाड कार्यक्रम में प्रतिभागियों ने अपने आसपास वन्यजीवों की तस्वीरें क्लिक कीं। पावर प्वाइंट प्रेजेंटेशन प्रतियोगिता श्रेट टू अकुआटिक वाइल्डलाइफ विषय पर आयोजित की गई थी, जिसमें प्रतिभागियों द्वारा जलवायु परिवर्तन पर समुद्र के स्वास्थ्य के लिए सबसे बड़ा खतरा, समुद्र में डीपिंग के दुष्प्रभाव, डेजिंग,

लैंड रन ऑफ, तेल रिसाव, जहाजों से पानी और ध्वनि प्रदूषण, प्लास्टिक प्रदूषण आदि पर विचारोत्तेजक विचारों को प्रस्तुति देखा गई। कंकड़ चित्रकला प्रतियोगिता में प्रतिभागियों ने कंकड़ पर विभिन्न प्रजातियों की तितलियों को चित्रित किया। प्रोजेक्ट टू अकुआटिक वाइल्डलाइफ विषय के पक्ष और विपक्ष में वाद-विवाद प्रतियोगिता का भी आयोजन किया गया। ई-पोस्टर प्रतियोगिता में

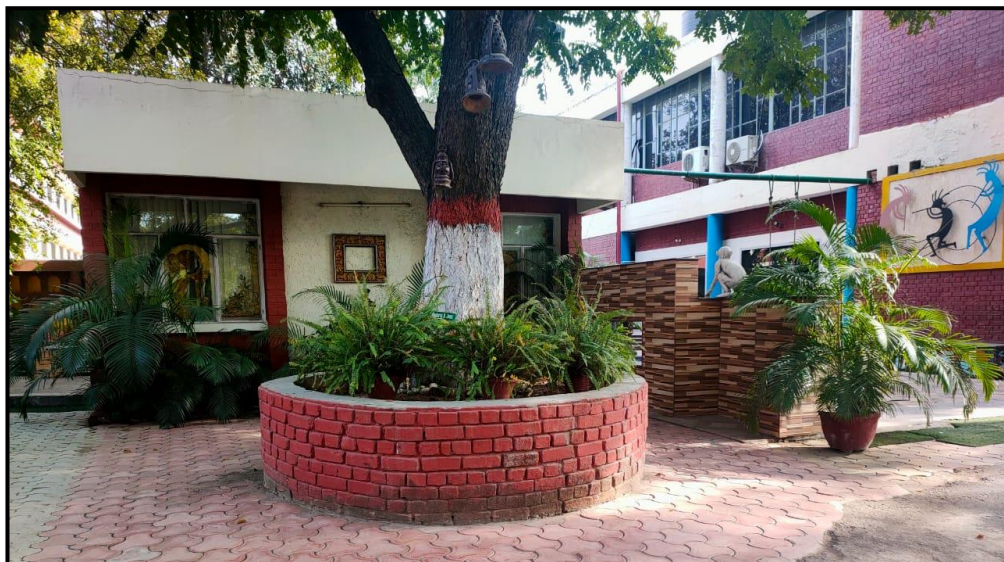
प्रतिभागियों ने न्यू एनिमलस/प्लान्ट स्पीसीज डिस्कवर्ड इन 2020-2022 विषय पर पोस्टर प्रस्तुत किए। एंडेजर्ड वाइल्डलाइफ विषय पर फेस पेंटिंग प्रतियोगिता ने प्रतिभागियों को लुप्तप्राय जानवरों के बारे में जागरूकता बढ़ाने के साथ-साथ अपने कलात्मक कौशल का प्रदर्शन करने का अवसर दिया। वन्यजीव संरक्षण के बारे में जागरूकता बढ़ाने के प्रयास में, परिवेश के विद्यार्थी स्वयंसेवकों ने वन्यजीवों से संबंधित मुद्दों पर प्रकाश डालते हुए एक नुककड़ नाटक का मंचन किया। प्रिंसिपल डॉ. निशा भार्गव ने प्रकृति में पारिस्थितिक संतुलन बनाए रखने में वन्य जीवों द्वारा निभाई गई भूमिका पर प्रकाश डाला और कहा कि जंगल को कोई भी नुकसान पुरे पारिस्थितिकी तंत्र के लिए खतरा पैदा कर सकता है। उन्होंने विद्यार्थियों को जानवरों की लुप्तप्राय और संकटग्रस्त प्रजातियों के जीवन की रक्षा करने की दिशा में काम करने के लिए प्रेरित किया और इसके बारे में जागरूकता भी बढ़ाई।

B5. CREATING GREEN CORNERS IN THE SCHOOLS DISPLAYING ENVIRONMENTAL RELATED MATERIALS SUCH AS HERBARIUM, SEEDS, DRY ROOTS, ETC.



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II. VISIBLE ENVIRONMENTAL IMPACTS AT COLLEGE

1. ESTABLISHMENT & MAINTENANCE OF COLLEGE GARDEN (VEGETABLE/ MEDICINAL/ FLOWER/ FRUITS)

Our college has a magnificent green cover area. Besides the splendid and sprawling lawns, the entire college has a tree cover and flower beds having a diverse variety of ornamentals and greens and a well-developed Botanical Garden, Polyhouse and Green house. The Botanical Garden has different varieties of herbal and medicinal plants as well as Biodiversity Pond, vertical walls and artificial forest. Another feature, Organic Farming has been introduced under sustainable practices. The gardeners have been deputed at the designated areas for regular maintenance of the green campus.



VERTICAL WALL



GREEN HOUSE





ORGANIC FARMING



ORGANIC FARMING



ARTIFICIAL FOREST



ARTIFICIAL FOREST



Newly Constructed Poly House for cultivation of Herbal plants

2. PLANTING AND NURTURING OF TREES IN COLLEGE

i. Special Plantation Drive- Mega Afforestation & Greening Initiative in Chandigarh (MAGIC) Mela 2022 - 29-30 July 2022

Number of participants: 20

Objectives:

- To motivate the students to participate in the greening activities

The Context: In order to give boost to greening activities of the city beautiful – Chandigarh, Department of Forests & Wildlife, Chandigarh Administration has prepared a plan namely - Mega Afforestation & Greening Initiative in Chandigarh (MAGIC) Mela – 2022 in which number of saplings were planted.

The Practice: As per the directions of Director of Higher Education (DHE), a special plantation drive - MAGIC Mela – 2022 was organized by NSS Units & MCM Eco-Club 'Parivesh' in collaboration with Swachhta Committee (Sciences) of Mehr Chand Mahajan DAV College for Women, Chandigarh, on 29.07.2022 & 30.07.2022 where 15 saplings of avenue plants namely - *Terminalia arjuna*, *Artocarpus* sps. and *Tamarind*, procured from Patiala Ki Rao Beat Nursery, Dhanas were planted in the college campus.

Evidence of Success: Volunteers were apprised with the benefits of planting trees.





एमसीएम ने मैजिक मेला के तहत किया पौधारोपण



मेहरचंद महाजन डीएवी कॉलेज फॉर वुमैन चंडीगढ़ में वृक्षारोपण अभियान की शुरुआत करते प्रिंसिपल डा. निशा भार्गव, स्टाफ व विद्यार्थी। (छाया : गुरिंद्र सिंह)

चंडीगढ़, 9 अगस्त (राम सिंह बराड़) : मेहर चंद महाजन डीएवी कॉलेज फॉर विमेन, चंडीगढ़ की एनएसएस इकाइयों, इको क्लब परिवेश और स्वच्छता समिति ने चंडीगढ़ प्रशासन की पहल- मेगा वनीकरण और हरियाली पहल के तहत चंडीगढ़ में एक विशेष वृक्षारोपण अभियान (मैजिक) मेला 2022 का आयोजन किया। वन और वन्यजीव विभाग,

चंडीगढ़ प्रशासन द्वारा मैजिक मेला पहल का उद्देश्य चंडीगढ़ में हरित गतिविधियों को बढ़ावा देना रहा। 15 एवेन्यू प्लांट्स जिनमें से टर्मिनलिया अर्जुन, आर्टोकार्पस एसपीएस और इमली का रोपण कॉलेज परिसर में प्रिंसिपल डॉ. निशा भार्गव, स्टाफ और विद्यार्थियों द्वारा किया गया। इस अवसर पर डॉ. भार्गव ने कहा कि कॉलेज पर्यावरण संरक्षण के लिए प्रतिबद्ध है, जो इस तरह की पहल में परिलक्षित होता है। उन्होंने विद्यार्थियों और कर्मचारियों को एक स्थायी भविष्य के लिए पेड़ लगाने के लिए प्रेरित भी किया।

MCM holds plantation drive under MAGIC Mela



CHANDIGARH, AUG 9

The NSS units, Eco Club 'Parivesh' and Swachhta Committee of Mehr Chand Mahajan DAV College for Women, Chandigarh organised a special plantation drive under the Chandigarh Administration's initiative- Mega Afforestation and Greening Initiative in Chandigarh (MAGIC) Mela 2022. The MAGIC Mela initiative of the Department of Forests and Wildlife, Chandigarh Administration aims to give a boost to greening activities in Chandigarh. 15 saplings of avenue plants namely terminalia arjuna, artocarpus sps and tamarind were planted in the college campus by Principal Dr. Nisha Bhargava, staff and students. Speaking on this occasion, Dr. Bhargava informed that the college is committed to the cause of environmental conservation, which is reflected in its initiatives like these. She motivated the students and staff to plant trees for a sustainable future.

In order to reduce water wastage, sprinklers are used in our college campus to maintain optimum level of soil moisture. Different areas of the college like the Front Lawn, the Arts block, the Sports block, the Science block as well as the Rishi Vatika area have lawns where water sprinkler system is being used on a regular basis. The campus has been divided into different zones and different time intervals have been allotted for watering. Water is sprinkled for 20-30 minutes thrice a week which ensures proper coverage of the area and reduces wastage.



3. WASTE MANAGEMENT THROUGH COMPOSTING/ VERMI-COMPOSTING/ RECYCLING

i. BIOGAS AND COMPOSTING

Solid waste management is one of the most important issues concerning environment that must be thought about seriously to attain sustainable development of a society. Wet or biodegradable waste are typically the greatest component of a waste stream, take the highest disposal cost and have the highest potential to emit greenhouse gases in landfills. Hence, there is need to adopt a sustainable waste management system to reduce the burden on the municipality for proper handling and disposal of the waste. With this objective in mind, MCM DAV College for Women, Chandigarh started an innovative program to manage different types of wet waste generated in the campus by using comprehensive, scientific and environment-friendly approaches to decentralize solid waste management practices.

Anaerobic digestion (AD) is a controlled biological degradation process which is a promising method to manage the wet waste to convert it into methane and CO₂. Under the aegis of RUSA, the construction of a biogas plant and compost units was started in the campus in September, 2017. The purpose of this initiative was to manage all the leftover and raw food waste generated in the college hostels and campus. The hostel messes along with other food kiosks in the campus generate around 80 kg of solid food waste per day.

The size of the biogas reactor is 5 cubic meter which is of sufficient capacity to utilize all the solid food waste generated in the college. For the effective start of the functioning of biogas plant, initially, the plant digester is fed with fresh cow dung. The cow dung was procured from nearby Gaushala.



Addition of Cow dung to Initiate the Production of Biogas



Once the gas production started after 15 days, the feeding of food waste started on daily basis. Every day approx. 70-80 Kg food waste is collected from the mess as well as college campus and transported to the plant in big bins. The required quantity of water is mixed with the solid waste in the inlet tank. The food waste is homogenized using the manual agitator in the mixing tank. Feeding of the waste to the digester is done by opening the hole at the bottom of the mixing tank and discharged to the digester vessel for digestion.

The gas produced through methanogenesis in the digester is collected in the dome. At the top of the dome, a stop cock valve is provided. A flexible pipeline is connected to it up to the canteen kitchen of the college, where it is connected to the biogas stove. Biogas is the most important alternative and useful energy source which is technically feasible and economically viable than other approaches. The biogas generated through this 'Waste to Energy' project is used for cooking purpose in the college canteen.



ii. COMPOSTING UNITS

After the digestion, the digested slurry coming out of the digester in the outlet tank is the rich fertilizer. The digested slurry flows to the outlet drain through the overflow opening in the outlet tank of biogas plant. Outlet drains are connected with composting pits constructed at the pullet of the digester. The slurry flows to the composting pits to augment the degradation of garden waste added in the composting pits.



The digested slurry flows to the Composting Units

Under the aegis of Rashtriya Uchchatar Shiksha Abhiyan (RUSA), three composting units of dimensions 10 by 15 feet were constructed. This initiative was taken under Swachh Bharat Abhiyan where main aim was to recycle the green waste (i.e. plant litter) generated in the college campus into manure, which could be further utilized for gardening purpose.



Mixing of Digested Slurry from Biogas Reactor with Garden Waste

Every day about 30-40 kg green waste generated in the college is fed to the composting units which is then mixed with the digested slurry. The slurry flowing to the composting pits is not only improving the nutritive value of the manure generated but also augmenting the degradation of garden waste added in the composting pits.

Using these renewable practices, the college is converting solid wet waste into fertilizer and biofuel to extend the life of landfills, create economic and environmental benefits. This project is saving the money of the college for purchase of artificial market fertilizers and promoting the concept of organic farming. There is active participation of faculty members, students, hostel/canteen staff and housekeeping staff in executing

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these solid waste management projects to ensure implementation of the 3R concept. In the session 2022-23, six more compost pits have been built (total 12 pits) for efficient disposal and recycle of green waste.



iii. VERMICOMPOSTING

Two vermicomposting units were set up in 2012 for the decomposition of solid organic waste. Presently five such units are operational in the College campus.



Vermiculture beds with cow dung under the sheds



The vermicompost

iv. SEWAGE TREATMENT PLANT (STP)

Water is a limited resource in the environment and we need to reuse it. The procedure for removing contaminants from the sewage wastewater is called sewage treatment. During the treatment, sewage water undergoes the chemical, physical and biological procedure to remove these contaminants and give out an



environmentally safe treated effluent that can be used for various purposes. Considering this in our mind and to further strengthen the zero-waste policy of the college on waste management, a 50,000 Litres/day capacity Sewage Treatment Plant (STP) has been installed in the college campus with the primary objective to recycle liquid wastewater generated in the toilets of the academic and administrative block of the college. The treated water is currently being used for gardening purposes.

The STP plant briefly consists of: Collection tank, settling tank, Aeration tank, Sand filter, Activated Carbon filter, and Treated water collection tank. These units together with work to minimize the chemical and biological load of sewage water treatment on Municipal Corporation. The Sewage water from the toilets of the academic and administrative block of the college is received through the underground pipe lines in the collection tank. Sewage is pumped to Bio reactor (Aeration tank). In the



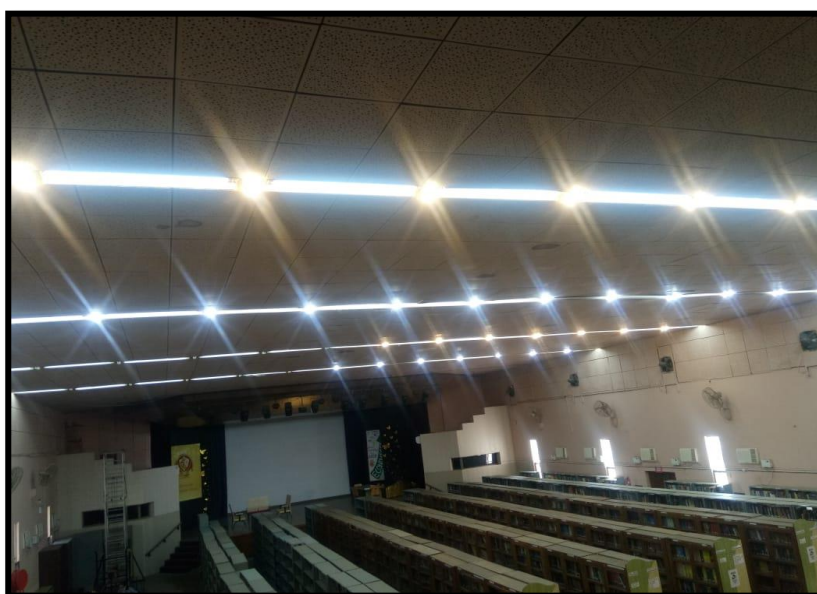
Bioreactor the Sewage is digested by aerobic bacteria using sewage as food materials.

The above treated water is passed through the sludge settling tank. From here the sludge is separated and the water is collected in a separate collection tank. This water is then pumped to a sand filter and activated carbon filter. In the sand filter, suspended particles are removed. In the carbon filter, any odour in the treated water is removed. The filtered treated water is then pumped to the college Gardens through pipelines and used for the gardening purpose.

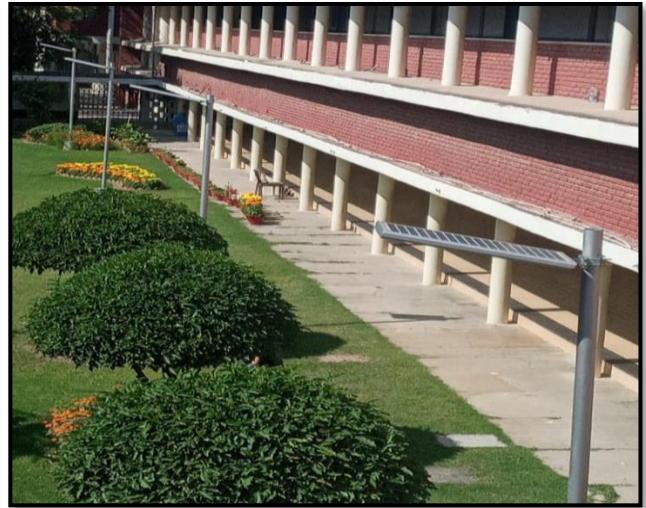
4. PLUGGING OF LEAKING TAPS/ CHANGING LIGHT BULBS WITH COMPACT FLUORESCENT BULBS

The Swachhta Committee of the college and members of MCM Eco-Club conduct special drives to check water leakage from taps, pipes and water coolers at various spots of the college. Wherever found, the leakage is fixed in order to prevent wastage of water.

All the lights in the campus (administrative block, college, hostel and library) have been replaced by LEDs. In addition, four lights powered by in built solar panels have been installed in the science block.



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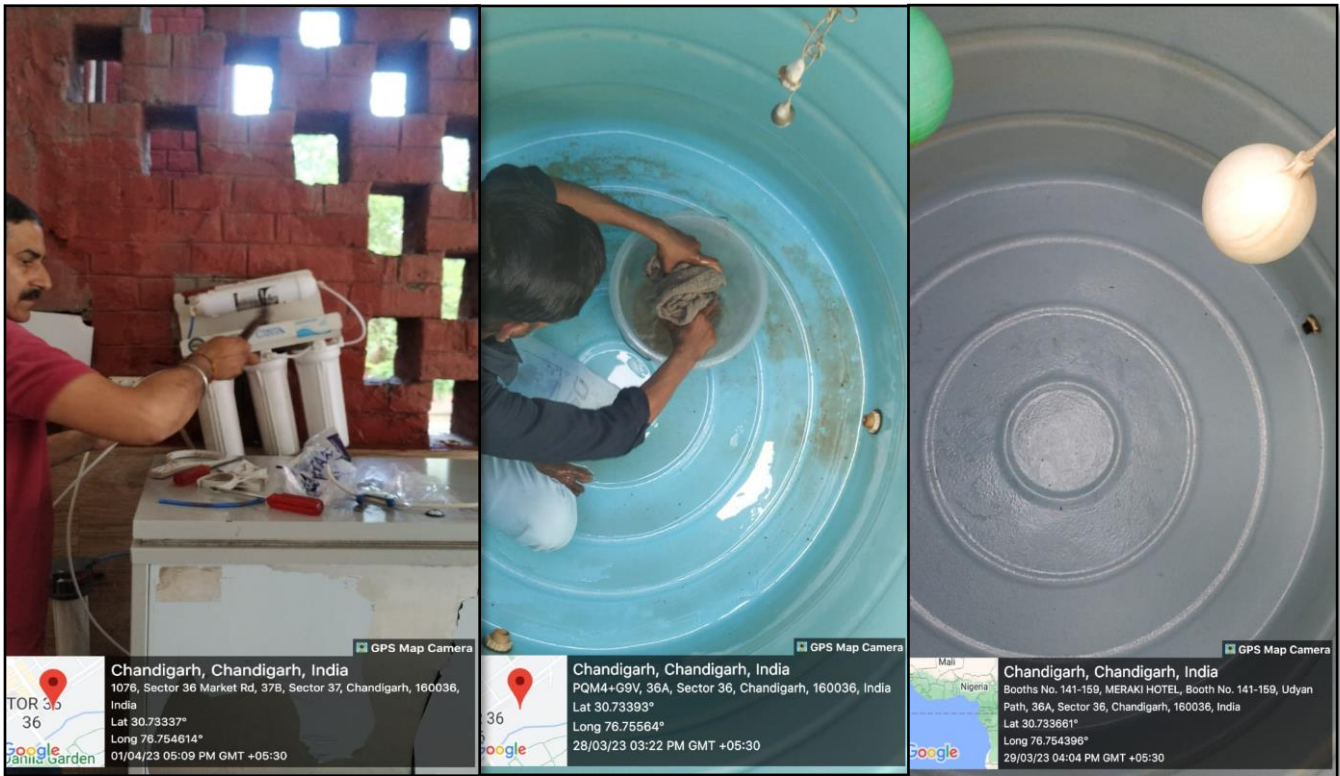


5. PROPER USAGE AND MAINTENANCE OF TOILETS AT COLLEGE AND PROVISION OF CLEAN DRINKING WATER

The college ensures the availability of clean drinking water in hostel and college premises. The cleaning of all the water tanks in the college and hostel campus is done periodically. The toilets meant for faculty as well as students are cleaned on regular basis by the contractual employees meant for this purpose. A coin operated sanitary pad vending machine has also been installed in staff and students' washrooms.



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III. COMMUNITY CAMPAIGN

1. ORGANIZING CYCLE RALLIES, MARCHES, STREET PLAYS, FOLK DANCE, EXHIBITION, DOOR TO DOOR CAMPAIGN, HUMAN CHAIN, DISTRIBUTION OF ENVIRONMENTAL MESSAGE PAMPHLETS

i. Cycle Rally on World Bicycle Day – 2022

Date: 03 June 2022

Number of participants: 20

Objectives:

- To popularize the usage of cycling to solve the dual issues of global warming and unhealthy lifestyle

The Context: Every year, June 3 is celebrated as the World Bicycle Day. As part of celebration of Azadi ka Amrit Mahotsav-India@75, Ministry of Youth Affairs and Sports organized World Cycle Day throughout the country on 3rd June, 2022. The aim is to encourage and motivate people to take up and adopt Cycling in their daily lives for physical fitness activities thereby adopting healthy lifestyle and reduce carbon footprints.

The Practice: To fulfill the above-mentioned objectives and, promote fitness and sustainable development, NSS Units, MCM Eco-Club and Department of Physical Education of Mehr Chand Mahajan DAV College for Women, Chandigarh organized a Cycle Rally on the occasion of World Bicycle Day - 2022 (03.06.2022) as part of Azadi ka Amrit Mahotsav-India@75.

During the event, Principal Dr Nisha Bhargava flagged off the cycle rally at 7.00 am from the campus. Around 20 participants including staff, students, cycled the area surrounding Sector 36-42-36 and finished the rally near college gate. During the rally, cyclists displayed banners pertaining to Fit India Movement and generated awareness by raising slogans such as *FITNESS KI DOSE AADHA GHANTA ROZ, PEDAL FOR EARTH, PEDAL FOR FUTURE*. At the end, refreshments were given to the participants.

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Evidence of Success: Cycle rally was a successful one as it witnessed enthusiastic participation of around 20 students who were able to generate awareness regarding the relevance of the day among the masses. Principal Dr Nisha Bhargava lauded this initiative and motivated the participants to solve the environmental issues such as global warming, reduce carbon foot print, and maintain highest level of fitness by adopting cycling as part of their healthy lifestyle.



ii. Nukkad Natak in Village Badheri, Chandigarh on World Environment Day – 2022

Date: 04 June 2022

Number of participants: 12 volunteers + 25 beneficiaries (residents of that area)

Objectives:

- To encourage awareness and environmental and make a healthier, safer environment for the future

The Context: World Environment Day is celebrated worldwide to create awareness about how to protect our environment. Since 1974, it has been celebrated annually every 5th June which engages people from different spheres including government officials, business persons, celebrities, and citizens to focus their efforts to combat the serious environmental issues. The theme for this year's celebration of World Environment Day is 'Only One Earth' - campaign slogan, with the focus on “Living Sustainably in Harmony with Nature”.

The Practice: On the occasion of World Environment Day, NSS Units of Mehr Chand Mahajan DAV College for Women, Chandigarh under the aegis of MCM Eco Club 'Parivesh' of the college organized an awareness session and Nukkad Natak on 04.06.2022, in Anganwadi Complex of adopted Village Badheri, Chandigarh. During the event, the volunteers apprised the residents with the relevance of the day and ways of protecting environment. One of the volunteers – Ms. Anjali Balhara expressed her views in form of poem where she highlighted the consequences of deforestation on flora and fauna.



During the street play i.e., Nukkad Natak, volunteers raised awareness regarding harmful effects of gases like carbon monoxide, accumulation of non-biodegradable plastic waste on humans. At the end, they appealed the residents of that area to minimize the usage of plastics and adopt sustainable practices like usage of eco-friendly materials in their day-to-day life.

iii. Door to Door Survey as part of Dengue Awareness Campaign in adopted Village Badheri, Chandigarh

Date: 08 September 2022

Number of volunteers: 38

Objective:

- To create awareness about the prevention of vector borne disease - Dengue

The Context: Dengue is a mosquito-borne viral infection that is common in warm, tropical climates. Infection is caused by any one of four closely related dengue viruses (called serotypes) which can lead to a wide spectrum of symptoms, including some which are extremely mild (unnoticeable) to those that may require medical intervention and hospitalization. In severe cases, fatalities can occur. There is no treatment for the infection itself but the symptoms that a patient experience can be managed.

The Practice: In order to spread the word on dengue prevention, NSS Units of the college in collaboration with MCM Eco-Club 'Parivesh' organized a Door to Door Survey as part of Dengue Awareness Campaign in their adopted Village Badheri, Sector 41-D, Chandigarh on 08.09.2022 where the volunteers along with an official - Sh. Subash Chander, Multi-Purpose Health Worker (MPHW) and his team from Health Department, U.T. Chandigarh visited more than 160 houses and sensitized residents about the preventive measures of controlling Dengue. The event included door to door interaction with residents, inspection of coolers, trays behind refrigerators that serve as breeding grounds for vectors, closure of stagnant water containing areas, removal of broken containers, tyres and distribution of dengue prevention cum



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awareness pamphlets to the residents. They urged the residents to eliminate areas that contains stagnant water and suggested the ideas of timely intervention.

Evidence of Success: The volunteers enthusiastically participated in this Dengue Awareness Campaign and were successful in sensitizing the residents about the preventive measures that need to be taken cumulatively in order to prevent the spread of Dengue.



Dengue awareness campaign held at Badheri

The Aman Sandesh Times Network

Chandigarh: With an aim to spread awareness about dengue prevention, the NSS units of MCM DAV College for Women, Chandigarh, in collaboration with the college's Eco-Club Parivesh, organized a Dengue Awareness Campaign in the adopted village Badheri, Sector 41-D, Chandigarh. Sh. Subash Chander, Multi-Purpose Health Worker (MPHW) and his team from Health Department, U.T. Chandigarh, along with the NSS Programme Officers and volunteers visited more than 160



houses and sensitised the residents about the measures for preventing dengue.

iv. Human Chain Formation as part of Swachh Amrit Mahotsav - Sewa Diwas – Swachhta Diwas

Date: 15 & 17 September 2022

Number of volunteers: 56

Objective:

- To spread awareness about Swachh Bharat Mission, Indian Swachhta League
- To mobilize citizen action and commitment towards the vision of building 'Garbage Free Cities'
- To make people aware about four colour codes given to the dustbins for proper waste disposal

The Context: To celebrate eight years of Swachh Bharat Mission-Urban, the Municipal Corporation Chandigarh had organized a fortnight of intensive activities that included Human Chain Formation, Nukkad Natak, Flash Mob etc as part of celebration of **Swachh Amrit Mahotsav – Sewa Diwas – Swachhta Diwas** from 17th September – 2nd October, 2022.

The Practice: On 17.09.2022, NSS and MCM Eco-Club Volunteers participated in Human Chain Formation in Rose Garden, Sector 16, Chandigarh that was organized by NSS State Cell, Education Department, Chandigarh Administration in collaboration with Municipal Corporation, Chandigarh. It was organized with an aim to promote the concept of Zero Waste Policy and apprise residents with the Indian Swachhta League. It was a two-day event where rehearsal was done on 15.09.2022 while final Chain formation was done on 17.09.2022.

During the event, Volunteers, while wearing t-shirts and caps of different colours – Red, Green, Blue and Black represented four different bins that are being used for waste segregation process. For example, *Green Dustbin* is used to dispose wet waste like vegetable peels, waste food, etc; *Blue Dustbin* is used to dispose dry waste like paper, cloth, plastic, etc.; *Black Dustbin* is used to dispose



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electronic waste like broken electronic devices, wires, etc while *Red Dustbin* is used to dispose sanitary waste like used sanitary pads, used tampons, etc. At the end, Volunteers interacted with the audience and apprised them with the significance of using 4 coloured different bins for waste segregation.

Evidence of Success: Event was successful as volunteers were able to make people aware about four colour codes given to the dustbins for proper waste disposal.



v. Flash mob on Swachh Anthem

Date: 27 September 2022

Number of Volunteers: 35

Objective:

- To spread awareness about Swachh Bharat Mission, Indian Swachhta League
- To sensitize people about the correct means of disposal of waste and use of appropriate Dustbins for disposal
- To pledge that as a citizen, we will maintain cleanliness

The Context: In order to apprise the residents of Chandigarh with the concept of Swachhta and mobilize the youth to actively participate in the **Indian Swachhta League** – an initiative of Ministry of Housing and Urban Affairs, Municipal Corporation, Chandigarh had organized a fortnight of intensive activities that included Human Chain Formation, Nukkad Natak, Flash Mob etc as part of celebration of **Swachh Amrit Mahotsav** from 17th September to 2nd October, 2022.

The Practice: A flash mob on Swachh Anthem was performed by the NSS and MCM Eco-Club Volunteers on 27.09.2022 at Plaza, Sector 17,



Chandigarh that was organized by Municipal Corporation, Chandigarh as part of celebration of **Swachh Amrit Mahotsav** – 17th September – 2nd October, 2022. The event was planned under the able leadership of Principal Dr Nisha Bhargava, Ms. Suman Mahajan – Associate Professor, Department of Philosophy and supervision of NSS Programme Officers – Dr Pallvi Rani and Dr Purnima Bhandari. The event was

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graced by the presence of MC Official – Mrs. Binni Rahil and Mr Rohit, Team Leader for Indian Swachhta League.

During the event, the Volunteers presented an exhilarating *Flash Mob on Swachh Anthem* with full enthusiasm and spread information about the relevance of usage of different coloured dustbins in daily lives through their hand made posters. At the end, some of the NSS Volunteers presented their views and generated awareness regarding Swachhta among the audience. At the end, a pledge that aimed to maintain cleanliness, follow appropriate waste segregation and management techniques was administered to the public

Evidence of Success: The event was successful as audience was enthralled with the performance and were apprised with the importance of maintaining cleanliness.



vi. Anti-Cracker Awareness Rally

Date: 15 October 2022

Number of volunteers: 42

Objectives:

- To sensitize people about the harmful effects of burning firecrackers and their effects on environment in form of noise and air pollution
- To promote a green and safe Diwali

The Context: Diwali, or the festival of lights is an annual festival celebrated by across the country. People celebrate the festival by lighting divas and spreading light and joy around them. But in recent times, with the deteriorating condition of our environment and the excessive bursting of firecrackers, it has become the need of the hour to discourage the burning of crackers and spread the word about green and safe Diwali.

The Practice: Keeping up with the motto of 'Not Me but You', and working towards the betterment of the society and environment, NSS Units in collaboration with MCM Eco-Club 'Parivesh' organized an Anti-Cracker Awareness Rally on 15.10.2022 in their adopted village Badheri, Sector 41-D, Chandigarh. The rally was organized under the able



guidance of Principal Dr. Nisha Bhargava and supervision of NSS Programme Officers – Dr. Pallvi Rani and Dr. Purnima Bhandari. The main aim of the rally was to sensitize people about crackers causing noise and air pollution and numerous health hazards to



human beings and animals and their overall impact on environment.

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Around 42 NSS Volunteers along with the office bearers participated in the rally, carried colourful posters and play cards and raised thought-provoking slogans like प्रदूषण मुक्त दीवाली, हर जगह खुशहाली; इस दीवाली पेड़ लगाये, पटाखे को न जलाये during their visit to adopted village Badheri, Chandigarh. These enthusiastic young eco-warriors also reached out to the residents especially children and urged them to celebrate a joyous, bright and pollution free Diwali.



vii. Rally and human chain on the theme 'Save Water'

Date: 29 March 2023

Number of participants: 130 students (Youth from different colleges of Chandigarh)

Event coordinators: Dr. Purnima Bhandari, Ms. Parool & Ms. Sonia

The participants formed a human chain at the Sector-36 market road and raised slogans to create awareness among the public about the importance of saving water, rain water harvesting, and fair usage of water. Almost 130 students participated in the rally and marched along the roads of Sector-36, Chandigarh with the slogans "Water is Precious", "Save Water Save life" among others for a distance of about 1 km.

Evidence of success: All the sessions conducted under the 'Environment Education program' were very useful for the participants. They got the opportunities to acquire the



knowledge, values, commitment, and skills needed to protect and improve the environment.

2. CLEAN UP DRIVE IN THE COMMUNITY, GOVERNMENT OFFICERS PREMISES, AROUND WATER BODIES

i. Plastic Collection Drive – I as part of Clean India 2.0 Programme

Date: 10 October 2022

Number of volunteers: 42

Objective:

- To collect waste mainly single use plastic and create awareness about the harmful effects of plastic
- To raise awareness, mobilize people and ensure their participation in making India clean

The Context: In continuation of the celebration of Azadi Ka Amrit Mahotsav, Nehru Yuva Kendra Sangathan (NYKS), Department of Youth Affairs, Ministry of Youth Affairs and Sports, Government of India, have launched a month-long nationwide Clean India 2.0 from 1st - 31st October, 2022. In his message, Youth Affairs and Sports Minister Mr. Anurag Singh Thakur addressed the youth and urged them to raise awareness, mobilize people and ensure their participation in making India clean.

The Practice: Keeping in view the above-mentioned objectives, NSS Units in collaboration with MCM Eco-Club 'Parivesh' organized a **Plastic Collection Drive - I** in their adopted Village Badheri, Sector 41-D, Chandigarh on 10.10.2022 as



part of Clean India 2.0 Programme. The event was graced by the presence of Mr Hardeep Singh Butrela– Counsellor, Village Badheri, Chandigarh. This activity was initiated to spread awareness about the harmful effects of the single use plastic and collect plastic waste from the area.

In the beginning, an Anti-plastic rally was organized where the volunteers sensitized residents about the harmful effects of the single use plastic through their thought-provoking slogans like *"hariyali ko badana hai, plastic ko hatana hai; hum sab ka hai ek hi nara, plastic mukat ho desh hamara"*. Later, the



volunteers collected approximately 21 kg of waste, primarily single use plastic waste that was weighed properly and handed over to the officials from Municipal Corporation, Chandigarh for proper disposal.

Evidence of Success: Campaign was very much successful as students participated enthusiastically and collected approximately 21 Kgs of plastic waste. They were able to sensitize residents about the Clean India 2.0 programme and deleterious effects of plastic in daily life.

ii. Plastic Collection Drive – II as part of Clean India 2.0 Programme

Date: 15 October 2022

Number of NSS Volunteers participated: 45

Objective:

- To collect waste mainly single use plastic and create awareness about the harmful effects of plastic
- To raise awareness, mobilize people and ensure their participation in making India clean

The Context: In continuation of the celebration of Azadi Ka Amrit Mahotsav, Nehru Yuva Kendra Sangathan (NYKS), Department of Youth Affairs, Ministry of Youth Affairs and Sports, Government of India, have launched a month-long nationwide Clean India 2.0 from 1st-31st October, 2022. In his message, Youth Affairs and Sports Minister Mr. Anurag Singh Thakur addressed the youth and urged them to raise awareness, mobilize people and ensure their participation in making India clean.

The Practice: Keeping in view the above-mentioned objectives, NSS & Eco-Club volunteers organized a Plastic Collection Drive - II in the adopted Village Badheri, Sector 41-D, Chandigarh on 15.10.2022 as part of Clean India 2.0 Programme. This activity was initiated to spread awareness about the harmful effects of the single use plastic and collect plastic waste from the area.

During the drive, the volunteers visited every nook and corner of the locality and collected more than 20 Kg of plastic waste material that included plastic bottles, single use wrappers, spoons, disposable cups and plates. They apprised the shopkeepers and residents of Clean India 2.0 Programme and urged them to stop the usage of plastic especially single use plastic in their daily lives. The waste was weighed properly and handed over to the officials from Municipal Corporation, Chandigarh for proper disposal.

Evidence of Success: Campaign was very much successful as students participated enthusiastically and collected approximately 20 Kgs of plastic waste. They were able to sensitize residents and shopkeepers about the Clean India 2.0 programme and deleterious effects of plastic in daily life.



3. MOBILIZING COMMUNITY ACTION AGAINST IMPROPER GARBAGE DISPOSAL, OPEN DEFECCATION, TREE CUTTING, POLLUTING WATER RESOURCES

i. Swachh Survekshan

Date: 15- 18 October 2022

Number of participants: 08

Objectives:

- To encourage large-scale citizen participation in cleanliness
- To create awareness amongst all sections of society about the importance of working together towards making towns and cities better places to reside in
- To foster a spirit of healthy competition among villages and cities to improve their service delivery to citizens, towards creating a clean India
- To bring about an improvement in the lifestyle of people by promoting cleanliness, and hygiene and eliminating Open defecation

The Context: Swachh Survekshan (Cleanliness survey) is an annual survey of cleanliness, hygiene, and sanitation in villages, cities, and towns across India. It was launched as part of the Swachh Bharat Abhiyan which aimed to make India clean and free of open defecation.

The Practice: As part of the Municipal Corporation investigation team, the NSS & MCM Eco-Club volunteers of Mehr Chand Mahajan DAV College for Women, Chandigarh investigated various institutions like schools (both private and government), Government Offices (Anganwadi), and Parks. On 14.10.2022.



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From 15.10.2022-18.10.2022, the Survekshan was conducted. Volunteers were given their ID Cards and school lists. In a team of two, volunteers were assigned various schools to be investigated. On reaching the destinations, volunteers investigated the school premises and checked toilet facilities and water facilities. They collected information about tertiary treated water, garbage vulnerable points, Swachhta Committee, etc. After completing the survey, students gathered in Smart City Chandigarh



Office and filled out the Google forms regarding their investigations. For investigating various parks and gardens, the volunteers went to parks and consulted with the parks in-charge to get information about tertiary treated water, QR Codes in Toilet, compost pits, etc. Volunteers also checked cleanliness in parks, toilet facilities, water facilities, open gym equipment, lighting facilities, and signages in parks. All these observations were reported in Google forms with geotagging. During this investigation various parks and gardens like the cactus garden, toilet gardens, green Belts, rose garden, Shanti kunj, etc were covered. Volunteers also investigated various government offices (Anganwadi). Two volunteers visited each Anganwadi and checked their conditions including toilet facilities, cleanliness, drainage, and waste segregation, and took the geotag photos while informing them about Swachhta app.

Evidence of Success: All this information was compiled in Google form and submitted to the office of Smart City Chandigarh.



ii. Swachhta cum Fit India Survey and Plastic Collection Drive in adopted Village Badheri, Chandigarh

Date: 29 January 2023

Number of NSS Volunteers participated: 100

Objectives: To collect feedback regarding solid-waste management i.e. sanitation status and health fitness level from residents of the adopted village Badheri, Chandigarh and motivate them to install Swachhta App, MoHua

The Context: To collect public feedback regarding sanitation status in terms of solid

waste management from people of adopted Village Badheri, Chandigarh and motivate them to install the Swachhta App for efficient feedback, a baseline Swachhta cum Fit India Survey was conducted on Day 6 of Seven Day/Night NSS Special Camp in adopted village Badheri, Chandigarh on 29.01.2023.

The Practice: During the survey, NSS and MCM Eco-Club Volunteers encouraged the residents of that area to give their valuable feedback via a Google form about Swachh practices and Fitness activities done/adopted/organized in their respective areas. In

addition, volunteers undertook door-to-door visits and motivated people for adopting efficient Solid Waste management practices and fitness regimes in their daily lives.

In addition, a plastic collection drive was organized where volunteers collected plastic wrappers, and bottles and handed



them to the workers of the Municipal corporation for proper disposal. After that, volunteers proceeded to their lunch.

Evidence of Success: The survey was conducted in a benefitting manner as volunteers collected 117 responses that included information such as the number and condition of washrooms, waste segregation, quality and source of water, and much more. Not only this they also made residents aware of the usage of open gyms for healthier lives.

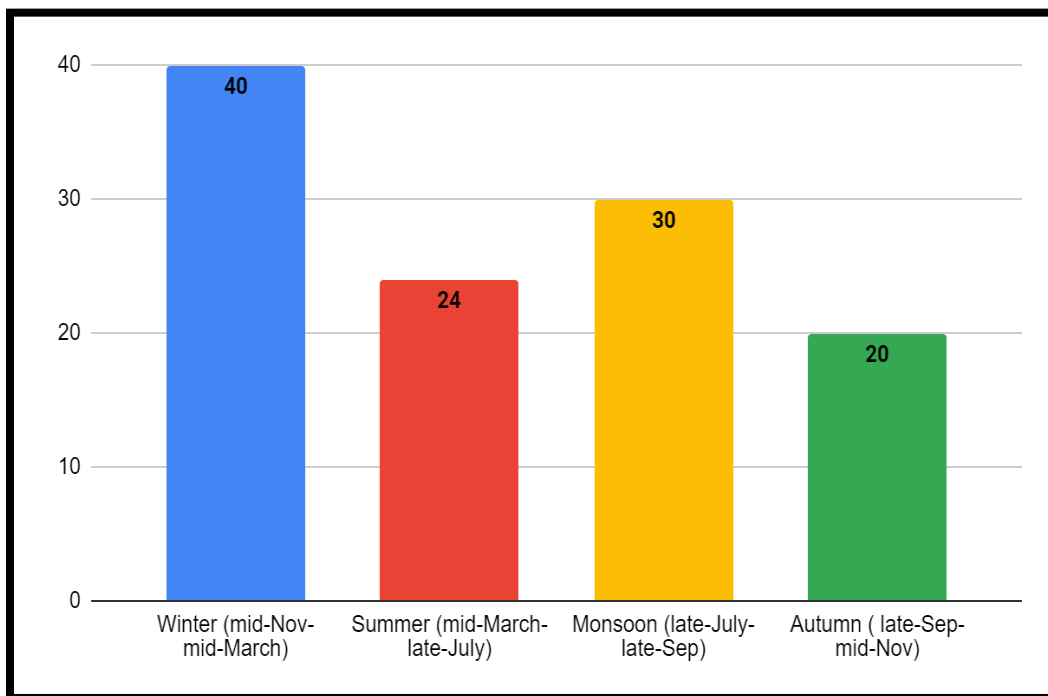


IV. FIELD ACTIVITIES OUTSIDE COLLEGE PREMISES

1. UNDERTAKING CENSUS OF BIRDS IN AND AROUND COLLEGE CAMPUS

AVIAN DIVERSITY SURVEY IN AND AROUND THE CAMPUS

A total of 53 bird species belonging to 11 orders and 32 families of terrestrial and semi-aquatic birds have been identified in and around the college campus during faunal diversity survey. Out of the 53 observed species, 37 have been reported to be protected under the schedules I, IV and V of the Indian Wildlife (Protection Act), 1972.



Bar chart showing the number of bird species observed in each season

2. MAINTENANCE OF PUBLIC PLACES LIKE COMMUNITY PARKS, GARDENS, HERITAGE SITES, WATER SOURCES SUCH AS PONDS, WELLS

MAINTENANCE OF PARK IN VILLAGE BUTERLA, CHANDIGARH

In an effort to beautify and maintain the community park in the village Buterla, Chandigarh, a plantation drive of 300 plants sponsored by the Department of Forests and Wildlife, Chandigarh Administration was organized on 04.07.2022. The plants were procured from the Sarangpur Botanical Garden and Nursery. The plantations included 100 saplings each of 'Rat ki Rani' and 'Kaner' along with 50 plants each of 'Chandni' and 'Cassia Glauca'.

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Dr. Gunjan Sud from MCM Eco-club in collaboration with UBA Cell of the college engaged the village Councillor Shri Hardeep Singh, to be a part of the noble activity. He was accompanied by 30 village residents of Buterla.

There were two people from the non-teaching staff and three male workers from the college who too took active participation in the activity. It was indeed a befitting plunge into the Mother Nature's lap and landscape.



V. OVERALL ORGANIZATION OF MCM ECO-CLUB

1. REGULAR MEETING OF ECO CLUB MEMBERS

Regular meetings of the members of MCM Eco-Club were held on second and fourth Saturday of each month to discuss the progress of the activities.

<https://drive.google.com/drive/folders/1CXXvhPJPsenCwjNQDnVhbPJ09GLtRHP?usp=sharing>

2. PREPARATION OF YEAR-LONG ACTION PLAN FOR CONDUCTING ENVIRONMENTAL ACTIVITIES AND IMPLEMENTING THE PLAN

ACTION PLAN (APRIL, 2022 TO MARCH, 2023)

Month	Proposed Events
April, 2022	<ul style="list-style-type: none"> • Earth Day celebration
May, 2022	<ul style="list-style-type: none"> • International Biodiversity Day celebration
June, 2022	<ul style="list-style-type: none"> • World Environment Day celebration • Cycle Rally • Nukkad Natak
July, 2022	<ul style="list-style-type: none"> • Van Mahotsav celebration • Tree plantation
August, 2022	<ul style="list-style-type: none"> • Cleaning of all the water tanks in the college and hostel campus
September, 2022	<ul style="list-style-type: none"> • World Ozone Day celebration • Dengue awareness campaign • Flash mob & Human Chain formation
October, 2022	<ul style="list-style-type: none"> • Wildlife Week celebration • Anti-cracker awareness rally • Plastic collection drive
November, 2022	<ul style="list-style-type: none"> • Cleaning of water filters in the college and hostel campus
December, 2022	<ul style="list-style-type: none"> • National Pollution Prevention Day celebration • World Energy Conservation Day celebration
January, 2023	<ul style="list-style-type: none"> • Swachhta cum Fit India survey
February, 2023	<ul style="list-style-type: none"> • World Wetlands Day celebration
March, 2023	<ul style="list-style-type: none"> • World Sparrow Day celebration • World Forest Day celebration • World Water Day celebration • Environment Education Program under mission LiFE

3. SUBMISSION OF MONTHLY REPORTS AND ACCOUNT DETAILS

<https://mcmdavcwchd.edu.in/swachta/#1560775413492-95f54c02-d33d>

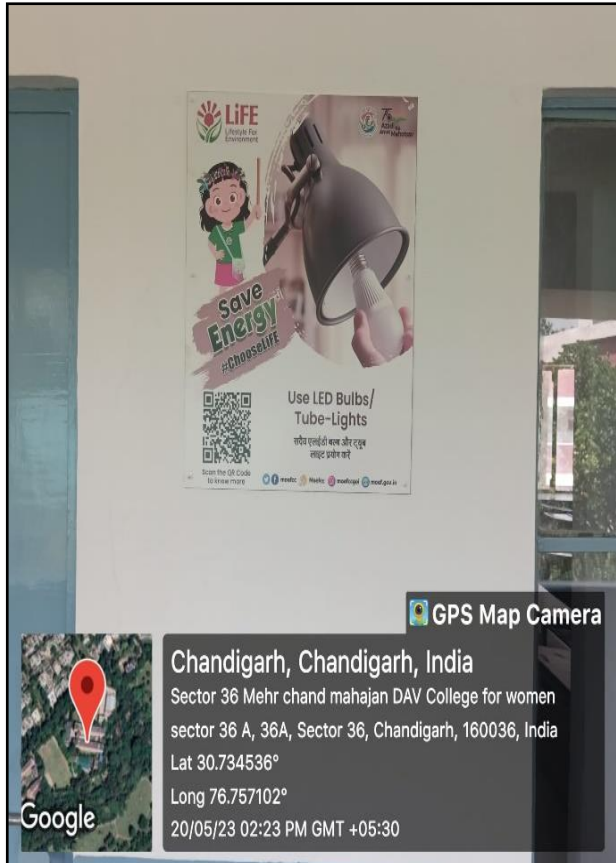
4. SHARING OF ECO-CLUB RESPONSIBILITIES AMONG THE MEMBERS

S. No.	Activity	Teachers in charge	Student members
1.	Observation of Environmental Days	<ul style="list-style-type: none"> • Dr. Neetu • Dr. Divya Sharma • Dr. Swatika • Dr. Sandeep Kaur 	<ul style="list-style-type: none"> • Ms. Shahista (B.Sc. III Medical) • Ms. Arumita (B.Sc. I Medical)
2.	Organizing awareness programs	<ul style="list-style-type: none"> • Dr. Neetu • Dr. Swati Sidana • Dr. Ruby Singh • Ms. Parool 	<ul style="list-style-type: none"> • Ms. Prachi (B.Sc. III Medical) • Ms. Avni (B.Sc. III Medical)
3.	Visible environmental impacts at college	<ul style="list-style-type: none"> • Dr. Gunjan Sud • Dr. Jasleen Kaur 	<ul style="list-style-type: none"> • Ms. Reet (B.Sc. II Medical) • Ms. Pushti Arora (B.Sc. III Medical)
4.	Community Campaign	<ul style="list-style-type: none"> • Dr. Sarabjeet Kaur • Dr. Purnima Bhandari 	<ul style="list-style-type: none"> • Ms. Shruti (M.A. I) • Ms. Muskan Batra (B.Sc. Medical III)
5.	Field activities outside college premises	<ul style="list-style-type: none"> • Dr. Sarabjeet Kaur • Dr. Gunjan Sud • Dr. Purnima Bhandari 	<ul style="list-style-type: none"> • Ms. Shagun Sharma (B.Sc. III Medical) • Ms. Arkita Dwivedi (B.Sc. III Medical)

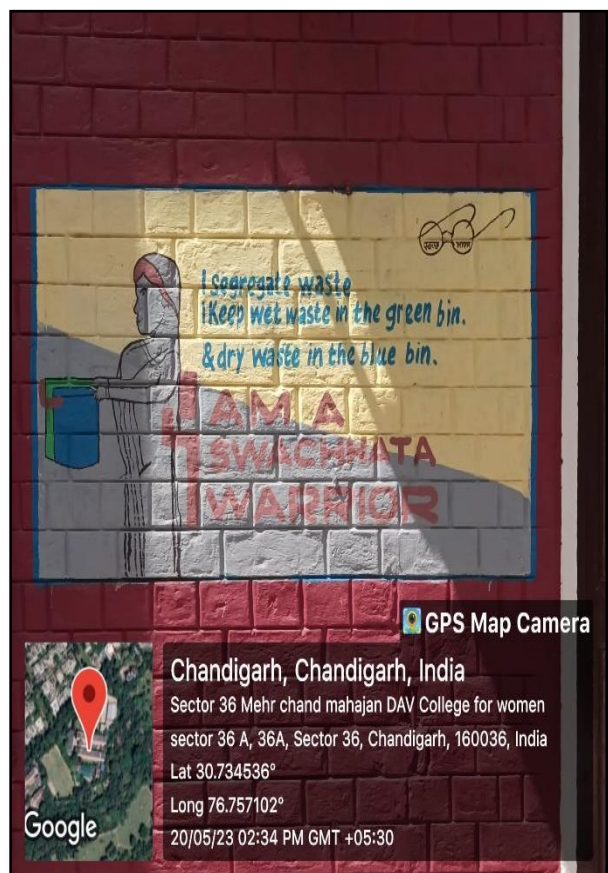
VI. SIGNAGE IN THE COLLEGE CAMPUS



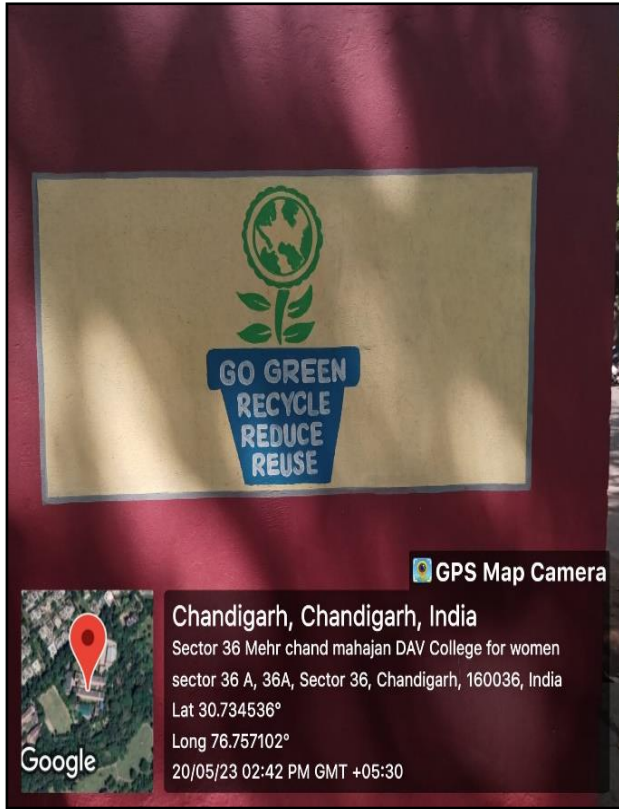
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MEHR CHAND MAHAJAN DAV COLLEGE FOR WOMEN
SECTOR 36-A, CHANDIGARH

ENERGY CONSERVATION TIPS
Issued in Public Interest by Chandigarh Renewable Energy and Science & Technology Promotion Society (CREST)

- ✓ Remember 3 "R"s- for Sustainable Development – Reduce, Recycle & Reuse.
- ✓ Use day light as far as possible in office and house.
- ✓ Paint the inner walls and ceiling with light colour in your house.
- ✓ Defrost the refrigerators regularly and do not open the refrigerator door frequently.
- ✓ Prefer fan over AC since it consumes 15 times less energy. Keep temperature at 25°C and keep windows & doors closed.
- ✓ Keep lamps and lights fixtures dust free.
- ✓ Use electronic chokes instead of ordinary chokes in tube lights.
- ✓ Use renewable energy devices based on solar & biogas energy wherever possible.
- ✓ Shading the windows and walls can save upto 40% of air-conditioned load.
- ✓ Use Solar Water Heating System in place of electric geyser and save upto 1500 units of electricity per year.
- ✓ Install the Solar Power Plant to reduce the electricity bills & save environment.
- ✓ Make maximum use of sun light.
- ✓ Use ISI Mark/BEE Star Rating electrical appliances and carry out regular maintenance.
- ✓ Go Solar – Save Polar.
- ✓ Energy Saved is Energy Produced.

MEHR CHAND MAHAJAN DAV COLLEGE FOR WOMEN
SECTOR 36-A, CHANDIGARH

COVID-19: STANDARD OPERATING PROCEDURES (SOP) FOR STUDENTS

1. All students are advised to download **Aarogya Setu app** on their mobile phones.
2. **Wearing face mask is mandatory for all.**
3. Thermal scanning of students will be done by the security staff while entering the campus.
4. **Do not come to the college if you are suffering from fever, cough and cold.**
5. **Sanitize your hands periodically** by washing with soap and water or rubbing with alcohol-based sanitizers especially after touching door handles, stair cases, door knobs, benches etc. and **avoid touching eyes, nose and mouth with dirty/unwashed hands.**
6. **Bring your own drinking water bottles and eatables.**
7. **Loitering and crowding in corridors is prohibited.** Safe social distance must be maintained.
8. **Dispose the masks, gloves, used tissue papers etc. in special red colored dust bins** regularly placed in the college.

WEAR A MASK WASH YOUR HAND SOCIAL DISTANCING



MCM DAV COLLEGE FOR WOMEN
Sector 36-A, Chandigarh

**TAKE ALL YOU CAN EAT,
BUT EAT ALL YOU TAKE**

ACTION TAKEN REPORT OF MCM ECO-CLUB 'PARIVESH' - APRIL, 2022- MARCH, 2023





VII. BENEFITS OF "CARBON WATCH" MOBILE APPLICATION IN ACHIEVING CARBON NEUTRAL GOALS

The faculty and students were encouraged to download the Carbon Watch application to get an estimate of their carbon footprint. The mobile application suggested methods to reduce the carbon footprints as per the information furnished by the individuals. Some of the ways adopted by which we could reduce our footprint are: using pressure cookers for cooking, using 5 star rated kitchen appliances, using LED bulbs, switching off lights when not in use, carpooling with colleagues to reach the workplace, avoiding speeding up the vehicles, switching off ignition at traffic red lights, getting our vehicles serviced on time, segregating domestic as well as institutional waste into wet and dry waste, composting of organic waste to reduce landfill emissions, avoiding paper usage, taking double sided printouts, using reusable bags while shopping, using sprinklers instead of pipes in lawns and so on. Overall, the application proved to be very beneficial in sensitizing faculty and students about the impact of their lifestyle emissions, and the suggested measures helped to reduce the carbon footprint at an individual level.





**Mehr Chand Mahajan
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Sector 36-A, Chandigarh (U.T.)**

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