

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



Weekly report of
Green Good Deeds

(08 to 15 June, 2021)

Organized by MCM Eco-Club

To celebrate

‘BHARAT KA AMRUT MAHOTSAV’

The 75th Anniversary of India's Independence

Dr. Neetu & Dr. Sarabjeet Kaur
Coordinators

Dr. Nisha Bhargava
Convener & Principal

1. WEBINAR ON THE THEME “COOK WITH FUEL EFFICIENT KITCHEN APPLIANCES, USE ISI MARKED LPG STOVE FOR HIGHER EFFICIENCY”

Activity coordinator: Dr. Harjot Kaur Mann

Date: 10 June, 2021

Number of participants: 76 Undergraduate Students from Department of Home Science

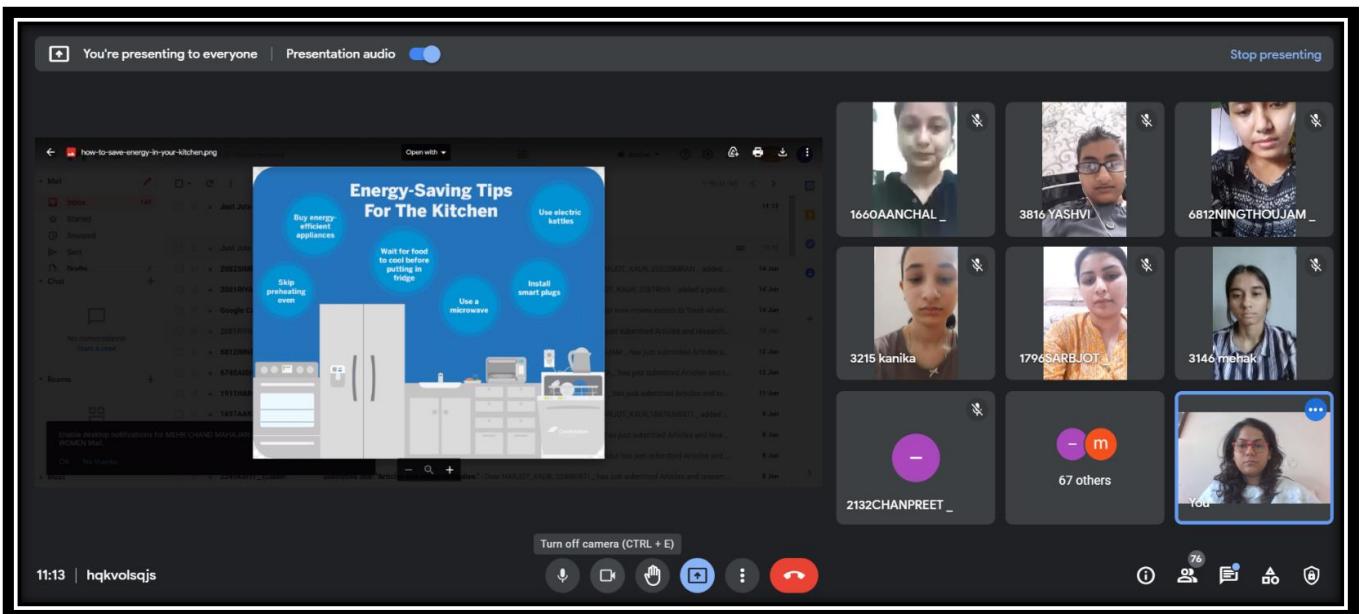
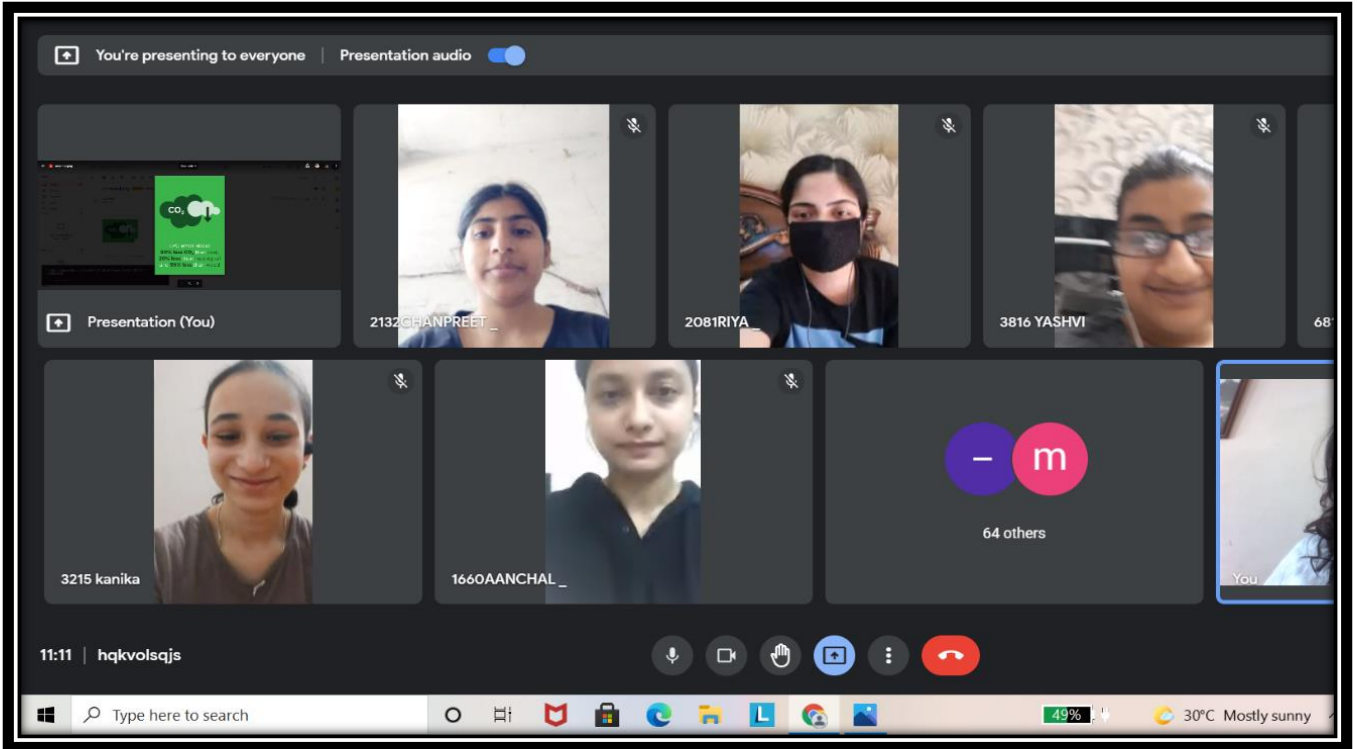
Objective: To sensitize students about various ways to save energy in the kitchen through use of more efficient kitchen appliances like dishwasher, refrigerator, freezer, and other commonly used appliances. To edify students about importance of ISI marked LPG stove to get maximum fuel efficiency.

Resource Person: Dr. Harjot Kaur Mann, Assistant Professor (Food and Nutrition), Department of Home Science, Mehr Chand Mahajan DAV College for Women, Chandigarh.

Context: Use of Fuel-efficient appliances in kitchen is of utmost importance. It not only saves non-renewable sources of energy but also saves money and time. ISI marked appliances and LPG stoves minimize energy wastage and maximize efficiency.

Practice: Department of Home Science in collaboration with MCM Eco-club organized a webinar on the theme “Cook with fuel efficient kitchen appliances, use ISI marked LPG stove for higher efficiency”. Over 76 Students of Undergraduate classes attended the same where Dr. Harjot Kaur Mann, the resource person, explained the benefits of the natural gas oven or range with an automatic, electric ignition system which helps save gas. She also discussed the importance of colour of flames, Energy STAR label and cleaning of the range top burners. She suggested to use a covered kettle or pan or electric kettle to boil water; as it's faster and uses less energy. Furthermore, matching the size of the pan to the heating element was discussed along with use of small electric pans, toaster ovens, or convection ovens for small meals. Also, the importance of ISI marked kitchen appliances and LPG Cylinders was discussed to minimize the energy wastage and derive maximum efficiency. The ISI mark certifies that a product conforms to an Indian standard (IS) developed by the Bureau of Indian Standards (BIS), the national standards body of India. It is important to check the certification of brands or gas stoves and follow the safety standards to protect the users from dangerous threats.

Evidence of Success: The students were educated about the various energy efficient kitchen appliances and their appropriate selection and usage. The importance of ISI marked LPG cylinders was discussed along with safety measures to be followed while using LPG cylinder at domestic level.



2. AN ONLINE INTERACTIVE SESSION BASED ON THE THEME “INSTALLATION OF SOLAR WATER HEATERS TO SAVE ENERGY”

Activity coordinator: Ms. Meenakshi

Date: 12 June, 2021

Number of participants: 93 students and 05 faculty members

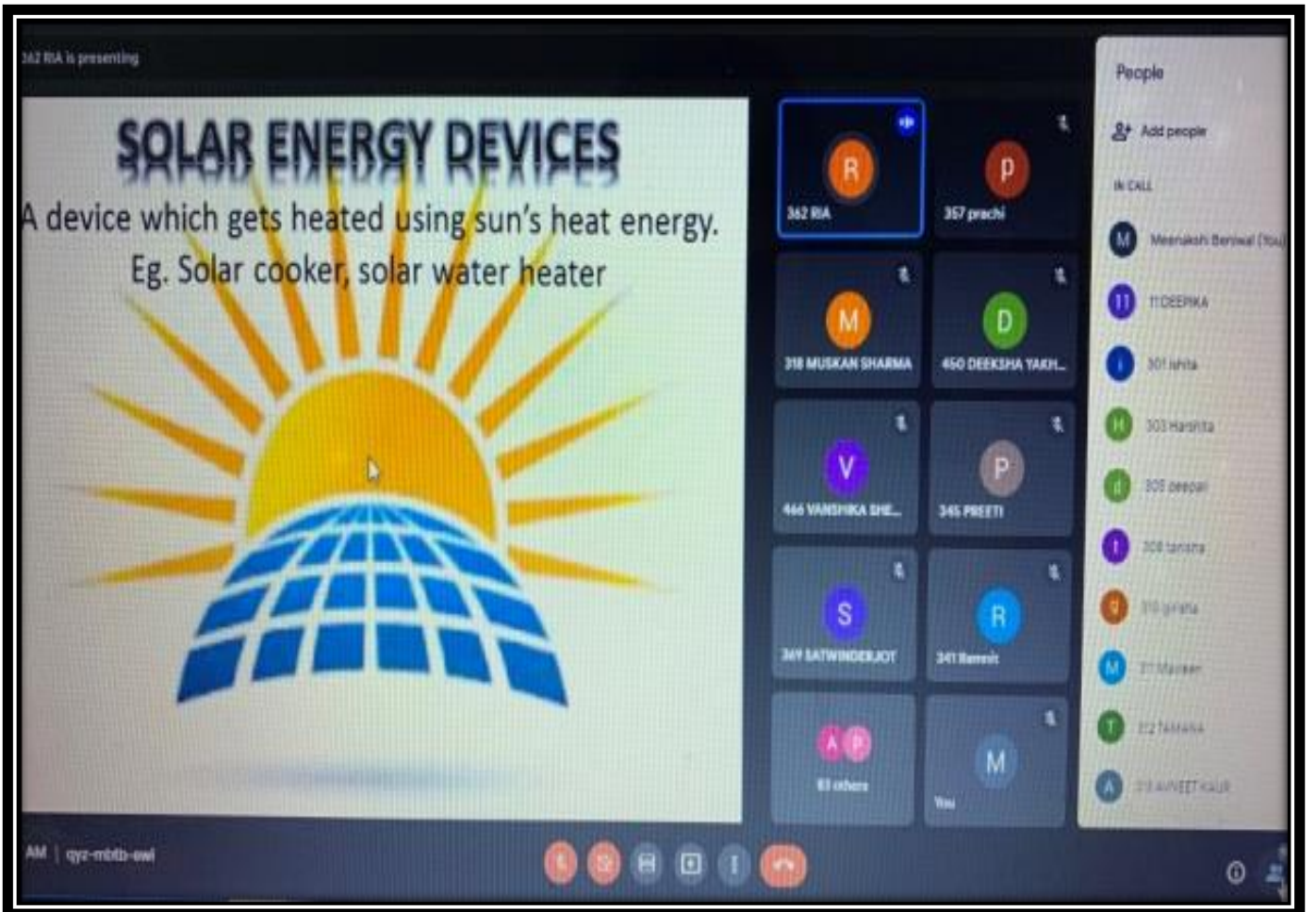
Objective:

- To create better understanding among students about the importance of saving energy by using Solar Water Heaters.

Context: The major motives of saving energy are to save on utility bills and to protect the environment. Solar Water Heaters also called domestic hot water systems have become cost effective way for saving energy. A typical solar water heating system can save up to 1500 units of electricity every year for every 100 liters per day of solar water heating capacity.

Practice: Department of Physics in collaboration with Renewable Energy committee and MCM Eco-Club organized an interactive session on June 12, 2021. In this session, students shared their views through online power point presentation about the benefits of solar water heaters which are becoming quite popular these days. Through a lot of government support, marketing and subsidies, these products have come long way. They have been very affordable now and many people have started adopting solar water heaters for their domestic and commercial needs. Through this session, students were encouraged to adopt the idea of energy saving by using the appliances like solar water heaters.

Evidence of Success: Around 93 students of B.Sc. I (Non-Medical & Vocational) and 5 teaching staff members participated in this session. Students used power point presentations to express their thoughts on the solar water heaters and their benefits for saving energy. This session created better understanding about the basics of solar water heaters among the students.




357 prachi is presenting

ADVANTAGES OF SOLAR WATER HEATER..

Fuel Savings :
 A 100 litres capacity SWH can replace an electric geyser for residential use and saves 1500 units of electricity annually.

Avoided cost on generation:
 The use of 1000 SWHs of 100 litres capacity each can contribute to a peak load saving of 1 MW.

Environmental benefits:
 A SWH of 100 litres capacity can prevent emission of 1.5 tonnes of carbon-dioxide per year.



318 MUSKAN SHA... 450 DEEKSHA YA... 466 VANSHIKA SH...
 345 PREETI 369 SATWINDER... 341 Ramnit
 458 ANCHAL SHA... 362 RIA 378 palak
 441 IDHITA 487 KASAK 325 ADITI
 392 SHWETA 79 others You



357 prachi 362 RIA 318 MUSKAN SHA... Ms. Meenakshi Physics 466 VANSHIKA SHEKHAN 425 NEELANJALI
 364 Yogita 370 PREENKA 394 POOJA 311 Meenakshi 473 TIYA... 314 Khushi
 Ms. Pallavi Gupta Shanya Sharma 78 others You

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3. AWARENESS SESSION ON “PREVENTION OF MOSQUITO BREEDING IN THE COLLEGE CAMPUS”

Activity coordinator: Dr. Sarabjeet Kaur

Date: 15 June, 2021

Number of participants: 20 Non-teaching staff members

Objectives:

- To sensitize staff about the need of identifying and eliminating mosquito breeding grounds in the college campus.
- To make them aware about ecofriendly measures which can save us from deadly mosquito borne diseases.

Context: Vector-borne diseases account for more than 17% of all infectious diseases, causing more than 700000 deaths annually. Malaria is a parasitic infection transmitted by *Anopheles* mosquitoes. Dengue is another prevalent viral infection transmitted by *Aedes* mosquitoes. Other viral diseases transmitted by mosquito vectors include chikungunya fever, Zika virus fever, yellow fever, West Nile fever, Japanese encephalitis etc. Many of the vector-borne diseases are preventable through awareness, preventive measures, and community mobilization.

Practice: MCM Eco-Club organized an awareness session with twenty non-teaching staff members of the college. Mr. Balak Ram, Junior Lecture Assistant, Department of Zoology discussed about the hot spots for mosquito breeding in the college and suggested ecofriendly measures to prevent the spread of vector borne diseases.

The following steps have been taken to prevent mosquito breeding in the college campus:

1. The drums/containers/fountains have been properly cleaned to ensure that no breeding grounds for mosquito larvae are available.
2. Inoculation of larvivorous fish has been done in the biodiversity pond and the ponds for aquatic plants in the botanical garden.
3. The accumulated water in the construction area is regularly cleaned.
4. Regular spraying of insecticides is done in hostels.
5. Regular monitoring is done in the college premises to avoid accumulation of rain water in low lying areas.

Evidence of Success: The participants felt motivated and committed to adopt suggested measures of preventing mosquito breeding in the college campus.

