

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



Report of
Green Good Deeds
(01 to 31 August, 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. ONLINE SESSION ON “INTRODUCTION TO BIRDING”

Activity coordinator: Ms. Kadambari Pathania

Date: 05 August, 2021

Number of participants: 50 students & 02 teachers

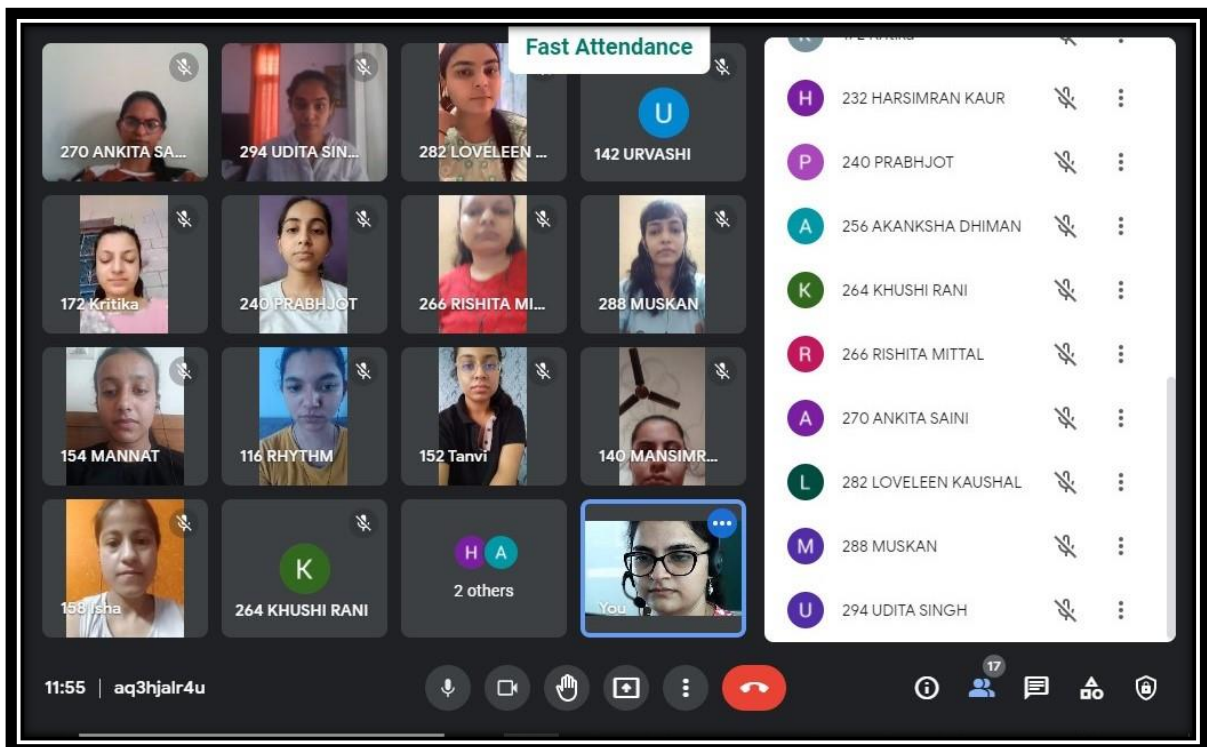
Objectives:

- To introduce birding as a hobby
- To help students observe and identify birds in the college campus

Context: Birding or bird-watching involves the observation and identification of wild birds in their natural habitat. Birding is a low-cost hobby that requires only three things to get started- bird guide, binoculars and positive attitude. A number of websites and mobile apps also help with bird information, and may offer assistance in species identification.

Practice: The team of the Department of Zoology has been involved in recording different birds in the college premises for the last 8 months and has identified around 45 bird species. Ms. Kadambari Pathania gave a presentation on 05 August, 2021 on the topic of birding and motivated the students to participate in recording the on-campus avian fauna. Students were told about the various ways in which they can identify birds using visual and audio cues and were advised to inculcate the skill of being patient when observing birds in their natural habitat.

Evidence of Success: 50 students of B.Sc. II Medical participated in this activity. A few students started photographing and observing the birds in the campus and at their homes, and showed interest in learning ways for identifying birds around them. The department is planning to organize a bird walk for the students to extend the knowledge given through this session.



WHY BIRDING?

Birding provides us with a wonderful excuse to observe and reacquaint ourselves with the natural world around us. It brings us closer to nature and allows us to forget the routine and chaos of urban life, even if for a little while.



The more you observe birds, the more interesting they become. It can be a great hobby and might lead to employment opportunities if pursued with passion.

Birding may lead you to:

- discover and acknowledge relationships within nature,
- to understand patterns, seasons, changes in the environment
- it may also help you in answering questions regarding climate change, migration routes, and so on.

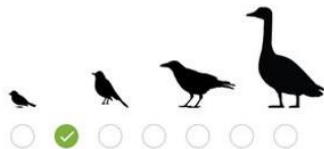
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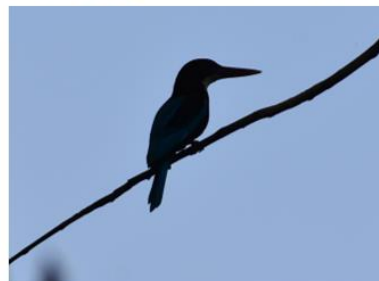
a. Shape, Structure, and Size:

By looking at the shape and structure of the bird and its parts, you can narrow it down to a limited number of species. Check how the bird is shaped overall – is it long? Is it very round? Does it have a short conical beak? Does it have a long and curved beak? Is the tail quite long or short? Is there a crest?

What size was the bird? ▼



between sparrow and robin



d. Sound

Songs, calls and other sounds that birds make are a key, and often diagnostic, way to tell species apart from one another. In fact, good and experienced birders usually rely as much on the ears as on the eyes.

Oriental
Magpie
Robin



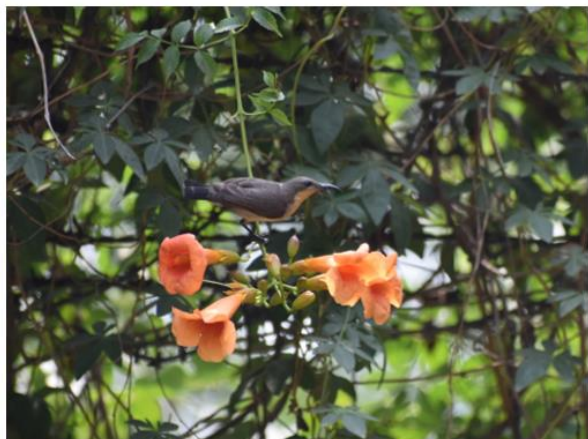
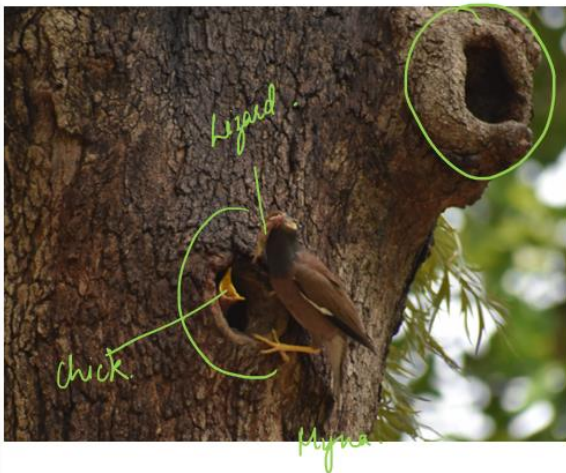
Play (k)

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e. Habitat

Where you are (and when) usually dictates what species you'll see. Identification of birds is often a game of probabilities and accounting for your location, the habitat and the seasons can help you rule out species unlikely to be encountered at a particular place and time.



2. POWERPOINT PRESENTATION ON THE THEME “USE OF BIODIESEL VERSUS DIESEL”

Activity Coordinators: Dr. Divya Sharma & Ms. Kadambari Pathania

Date: 10 August, 2021

Number of participants: 56 students & 03 teachers

Objective: To understand the economic and environmental importance of Biodiesel

Context: Being green is more than just buying “eco”. It is an unwavering commitment to a sustainable lifestyle. Every year 10th August is celebrated as ‘International Biodiesel Day’ to raise awareness about unconventional and eco-friendly fuel sources that can serve as an alternative to fossil fuels. The theme for 2021 is ‘Promotion of Biofuels for a better environment.’

Practice: The Department of Zoology organized a PowerPoint presentation on the theme “Biodiesel versus Diesel” by Ms. Tanvi Shekhawat and Ms. Aarya Sharma of B.Sc. III Medical. The practice of using renewable sources plays a vital role in sustainable development. Biodiesel is an eco-friendly, clean burning and stable fuel. The preparation, properties and usage of biodiesel and diesel were discussed in an elaborate and comparative manner.

Evidence of Success: All the participants were students of B.Sc. III Medical. The students came to know about the importance of biodiesel in reducing greenhouse gas emissions thus decreasing global warming. The students were encouraged to spread awareness about the practice of using biodiesel among others.



Diesel

- It is a mixture of hydrocarbons obtained by distillation of crude oil.
- It uses the **compression ignition engine** named after its inventor, *Rudolf Diesel*.
- Diesel fuel is refined from **crude oil** and **biomass** materials.

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Biodiesel

- It is an alternative diesel fuel, made from renewable biological sources such as **Vegetable Oil** and **Animal Fat**.
- It is a **Straight** chain compound with 10 to 21 Carbon atoms.
- It can be prepared by direct use and blending, micro emulsions, thermal cracking and **Trans-esterification**.

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3. CELEBRATION OF AKSHAY URJA DIWAS-2021

Activity Coordinators: Dr. Neetu & Dr. Sarabjeet Kaur

Date: 20 August, 2021

Number of participants: 70 students & 03 teachers

Context: National Akshaya Urja Diwas is celebrated every year on 20th August to mark the birth anniversary of former Prime Minister, late Sh. Rajiv Gandhi. It is an awareness campaign initiated in 2004 by the Indian Ministry for New & Renewable Energy Sources to promote the use of renewable energy such as- biogas, solar Energy, wind energy, and hydroelectricity.

Practice: Mehr Chand Mahajan DAV College for Women, Chandigarh celebrated the Akshay Urja Diwas by organizing an online Popular Akshay Urja Lecture sponsored by Chandigarh Renewable

MCM ECO-CLUB GREEN GOOD DEEDS



Energy and Science & Technology Promotion Society (CREST) on 20.08.2021. Dr. Vikrant Sharma, Deputy Director (Technical) and Head, Skill Development Division, National Institute of Solar Energy (NISE), Gurugram, was invited as resource person for the event. Dr. Vikrant gave an overview on the use of solar energy technologies and the renewable energy targets set by the government for the year 2022. Dr. Sharma pointed out the importance of the need of skilled manpower. Employment generation, eco-friendly energy generation, sustainability of other energy resources for a longer period of time, are some of the significant advantages elucidated by Dr. Vikrant Sharma in the lecture. He motivated the students to take up experiments and projects to get familiar with the use of solar energy and encouraged the college to extend the ongoing projects on renewable energy usage in the college.

An online inter-college poetry writing competition sponsored by CREST was also organized on the theme 'Impact of Akshay Urja in India'. As many as 20 students from different colleges of Chandigarh, participated in the event.

Evidence of success: The participants learned about the significance of adopting renewable energy as an effective alternative to the scarce traditional energy resources.

The results of the poetry contest are as follows:

PRIZE	NAME OF THE PARTICIPANT	CLASS	INSTITUTION
FIRST (Rs. 1500/-)	NAMRATA JAIN	B.Sc. III (Non-Medical)	PG Govt. College for Girls, Sector-11, Chandigarh
SECOND (Rs. 1000/-)	MUSKAAN SACHDEVA	B.A. II	Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh
THIRD (Rs. 500/-)	MEGHA	B.Sc. II (Non-Medical)	PG Govt. College for Girls, Sector-42, Chandigarh





Mehr Chand Mahajan DAV College for Women, Chandigarh
organizes



POPULAR AKSHAY URJA LECTURE
sponsored by


Chandigarh Renewal Energy and Science & Technology Promotion Society (CREST)
to celebrate

AKSHAY URJA DIWAS
(20.08.2021)



Resource person
DR. VIKRANT SHARMA
*Deputy Director (Technical) and Head Skill Development
Division National Institute of Solar Energy (NISE), Gurugram
(An autonomous Institute of Ministry of New & Renewable Energy)*


Mehr Chand Mahajan
DAV College for Women, Chandigarh
 in collaboration with
Chandigarh Renewable Energy and
Science & Technology Promotion
Society (CREST)
 celebrates
AKSHAY URJA DIWAS-2021




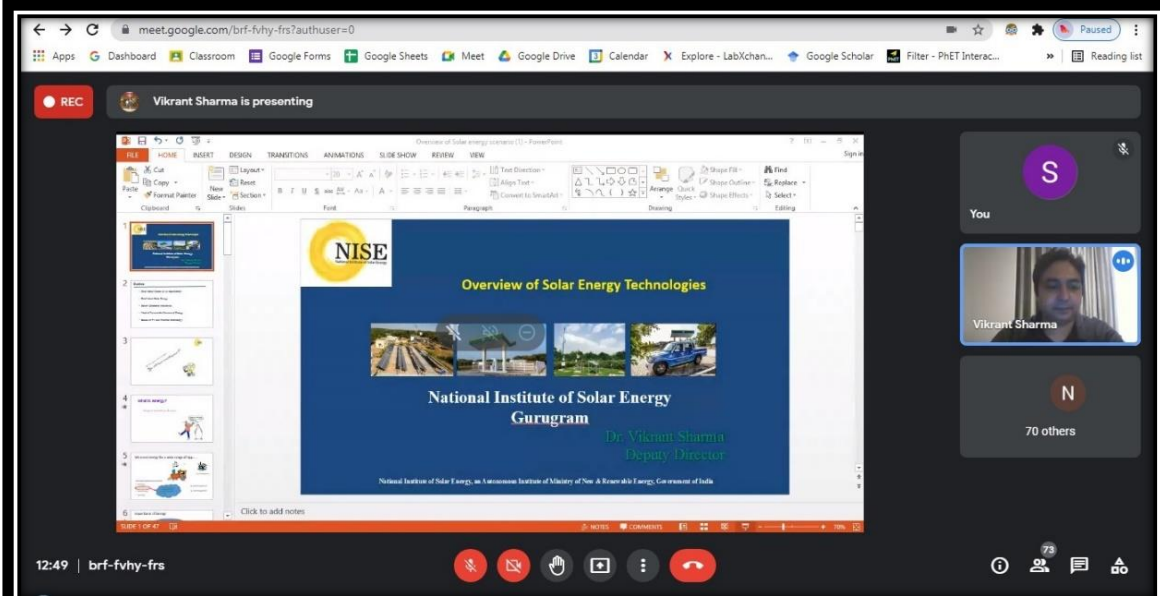
by organizing
POPULAR AKSHAY URJA LECTURE
 by
DR. VIKRANT SHARMA
Deputy Director, National Institute of Solar Energy (NISE), Gurugram
(An autonomous Institute of Ministry of New & Renewable Energy)
Webinar link: <https://meet.google.com/brf-fvhy-frs>
(Please join the meet by 10.50 am on 20.08.2021)

&
AN ONLINE INTER-COLLEGE POETRY WRITING COMPETITION
Theme: Impact of Akshay Urja in India
IMPORTANT

- Original entries are invited from undergraduate and postgraduate students for Poetry contest.
- Language of the poem may be Hindi, Punjabi or English.
- One person cannot post more than two poems for competition.
- All poems must have a title and must not exceed 100 words.
- Plagiarism is not permitted.
- Hand written or typed poetry should be uploaded in pdf format.
- Last date of submission of entries is 25.08.2021.
- Results will be announced on 30.08.2021 and will be intimated to the participants through E-mails.
- All eligible entries will be awarded with e-certificates.
- Register & submit your entries for poetry contest at <https://forms.gle/Aka99bnBOGuLU8Up9>

CASH PRIZES WILL BE AWARDED TO FIRST THREE POSITION HOLDERS
1st prize- Rs. 1500/-, 2nd prize- Rs. 1000/-, 3rd prize- Rs. 500/-

Dr Neetu & Dr Sarabjeet Kaur (Coordinators) Dr Divya Sharma & Ms. Kadambari (Co-coordinators) Dr Nisha Bhargava (Principal and Convener)



The screenshot shows a Google Meet interface. At the top, it says 'Vikrant Sharma is presenting'. The main content is a presentation slide with the NISE logo and the title 'Overview of Solar Energy Technologies'. The slide also mentions 'National Institute of Solar Energy Gurugram' and 'Dr. Vikrant Sharma Deputy Director'. On the right side of the screen, there is a video feed of Vikrant Sharma and a list of other participants, including 'You' and '70 others'. The bottom of the screen shows the Google Meet control bar with icons for mute, video, chat, and end call.

Overview of Solar energy scenario (1) - PowerPoint

Renewable Energy Targets by 2022 : (175 GW)

Energy Source	Target (GW)
Solar	100
Wind	60
Bio-Energy	10
Small Hydro	5
Total	175

Click to add notes

Vikrant Sharma

meet.google.com/brf-fvhy-frs?authuser=0

REC Vikrant Sharma is presenting

"Silled Manpower Requirement in Renewable Energy (RE) Sector & Conducting Suryamitra Program"

TRAINING

SKILL DEVELOP

Dr. Vikrant Sharma
Deputy Director/ Head Skill Development
National Institute of Solar Energy

Turn on microphone (CTRL + D)

13:17 | brf-fvhy-frs

You
Vikrant Sharma
54 others

meet.google.com/brf-fvhy-frs?authuser=0

REC

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NEETHI

Vikrant Sharma

1370VIPIN_

Dr. Divya Sharma

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Hamna Aslam

Dr. Purnima Bhandari

318 MUSKAN SHARMA

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305 deepali

441 SHELJA has left the meeting

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1412POOJA_

58 others

You

12:42 | brf-fvhy-frs

एमसीएम ने अक्षय ऊर्जा दिवस मनाया



ह्यूमन इंडिया/ब्यूरो

चण्डीगढ़। मेहर चंद महाजन डीएवी कॉलेज फॉर विमेन, चंडीगढ़ ने अक्षय ऊर्जा दिवस मनाया। राष्ट्रीय सौर ऊर्जा संस्थान, गुरुग्राम के कौशल विकास प्रभाग से उपनिदेशक (तकनीकी) और प्रमुख, डॉ. विक्रान्त शर्मा, व्याख्यान के लिए प्रमुख वक्ता थे। डॉ. विक्रान्त ने सौर ऊर्जा प्रौद्योगिकियों के उपयोग और वर्ष 2022 के लिए सरकार द्वारा निर्धारित अक्षय ऊर्जा लक्ष्यों पर विस्तार से चर्चा की और पूरी प्रक्रिया को समझाया। डॉ. शर्मा ने कुशल व्यक्ति की आवश्यकता के महत्व पर प्रकाश डाला। रोजगार सृजन, पर्यावरण के अनुकूल ऊर्जा उत्पादन, लंबी अवधि के लिए अन्य ऊर्जा संसाधनों की स्थिरता, आदि व्याख्यान में डॉ. विक्रान्त शर्मा द्वारा विस्तार से बताए गए कुछ महत्वपूर्ण पहलू हैं। उन्होंने छात्रों को सौर ऊर्जा के उपयोग से परिचित होने के लिए प्रयोगों और परियोजनाओं को अपनाने के लिए प्रेरित किया और कॉलेज को भी अक्षय ऊर्जा के उपयोग पर चल रही परियोजनाओं का विस्तार करने के लिए प्रोत्साहित किया। भारत में अक्षय ऊर्जा का प्रभाव विषय पर क्रेस्ट द्वारा प्रायोजित एक ऑनलाइन इंटर कॉलेज कविता लेखन प्रतियोगिता भी आयोजित की गई थी। प्रधानाचार्या डॉ. निशा भार्गव ने स्थायी भविष्य के लिए अक्षय ऊर्जा संसाधनों के महत्व के बारे में जागरूकता बढ़ाने वाली इस पहल की सराहना की। उन्होंने यह भी बताया कि पर्यावरण के प्रति अपने दायित्व को निभाते हुए एमसीएम कॉलेज अक्षय ऊर्जा के उपयोग जैसे सौर ऊर्जा के उपयोग और मेस फूड वेस्ट से बायोगैस के उत्पादन को अपनाने में अग्रणी संस्था रही है।

MCM celebrates Akshay Urja Diwas



CHANDIGARH, AUG 23

Mehr Chand Mahajan DAV College for Women, Chandigarh celebrated Akshay Urja Diwas by organizing an online Popular Akshay Urja Lecture sponsored by Chandigarh Renewable Energy and Science and Technology Promotion Society (CREST). Dr. Vikrant Sharma, Deputy Director (Technical) and Head, Skill Development Division, National Institute of Solar Energy, Gurugram was the resource person for the lecture. Dr. Vikrant gave an overview on the use of solar energy technologies and the renewable energy targets set by the government for the year 2022. Dr.

Sharma pointed out the importance of the need of skilled manpower. Employment generation, eco-friendly energy generation, sustainability of other energy resources for a longer period of time, are some of the significant advantages elucidated by Dr. Vikrant Sharma in the lecture. He motivated the students to take up experiments and projects to get familiar with the use of solar energy and encouraged the college to extend the ongoing projects on renewable energy usage in the college. An online inter-college poetry writing competition sponsored by CREST was also organized on the theme 'Impact of Akshay Urja in India'. Principal Dr. Nisha Bhargava lauded this initiative to spread awareness about the importance of renewable energy resources for a sustainable future. She added that conscious of its responsibility towards the environment, MCM has been a frontrunner institution in adopting the use of renewable energy like harnessing of solar energy and production of biogas from mess food waste.

4. SHOWCASING A DOCUMENTARY TITLED “THE DARK SECRET BEHIND YOUR SHINY MAKEUP”

Activity Coordinator: Dr. Shafila

Date: 26 August, 2021

No. of participants: 36 students (12- offline, 24- online)

Objectives:

- To make students aware about the impact of mining on human health and environment
- To acquaint them with the role of shiny makeup as indoor pollutant

Context: Mining is an invasive process that damages the environment to a great extent. Mining process, specifically mining of Mica, not only causes serious health hazards among the workers but also leads to massive environmental devastation like deforestation, loss of wildlife, contamination of surface water, groundwater and soil. This sparkle, Mica, is added to eyeshadow, nail polish and lipstick by numerous global cosmetic industries at a tremendous human and environmental cost. The shimmery and colorful material in cosmetics is associated with major health risks on long term inhalation. Therefore, it is requisite to educate young girls about the hazards of shiny material found in almost all the cosmetics.

Practice: Department of Environment Science of the college showcased a documentary titled “The Dark Secret Behind Your Shiny Makeup” to the young girls of M.Sc.- II (Chemistry) on 26.08.2021 in order to make them aware about the environmental impacts as well as the health hazards of mining process. They were also informed that the use of shiny material, Mica, in cosmetics may pose serious health issues if one is exposed to the same more often.

Evidence of Success: Over 36 students watched the documentary and acquired the knowledge on the issue. Many of the attendees have stopped using shimmery makeup on regular basis.

