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DAV College for Women  
Sector-36A, Chandigarh (U.T.)**  
[www.mcmdavcwchd.edu.in](http://www.mcmdavcwchd.edu.in)



**Weekly report of  
Green Good Deeds**

**(20-27 March, 2021)**

**Organized by MCM Eco-Club**

**To celebrate**

**‘BHARAT KA AMRUT MAHOTSAV’**

*The 75<sup>th</sup> Anniversary of India's Independence*

*Dr. Neetu & Dr. Sarabjeet Kaur  
Coordinators*

*Dr. Nisha Bhargava  
Convener & Principal*

# 1. VIRTUAL WORKSHOP ON 'HOUSE SPARROWS' & INSTALLATION OF BIRD NEST BOXES IN THE COLLEGE CAMPUS TO CELEBRATE WORLD SPARROW DAY

**Activity coordinators:** Dr. Neetu & Dr. Divya Sharma

**Date:** 20 March, 2021

**Number of participants:** 04 Teachers, 03 Lab attendants, 02 Malis & 45 students

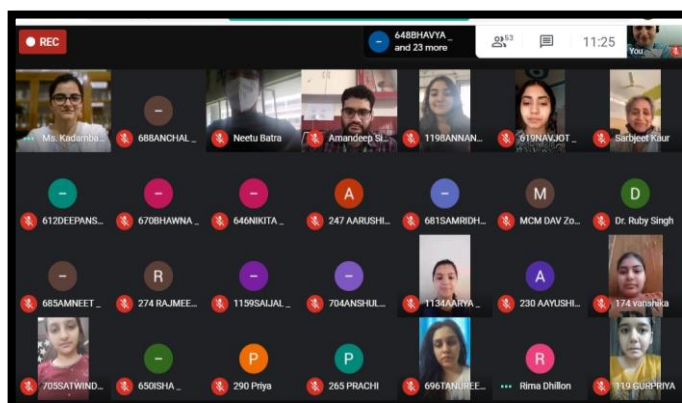
## Objectives:

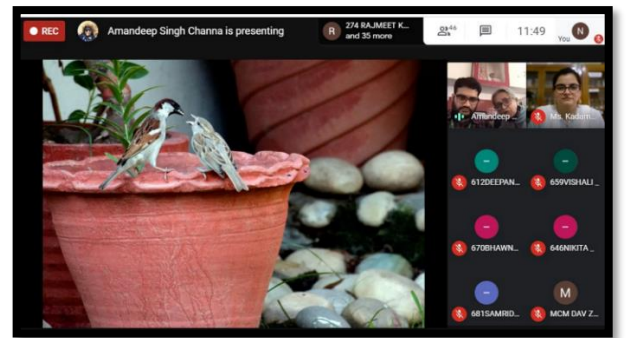
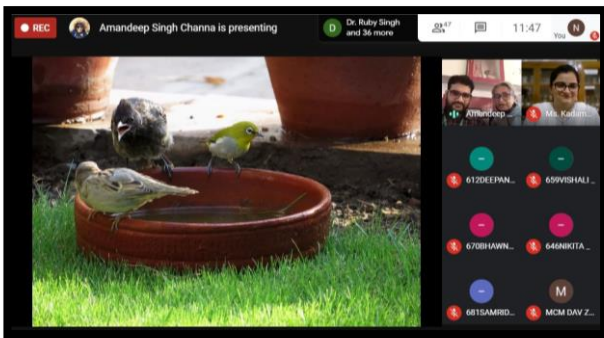
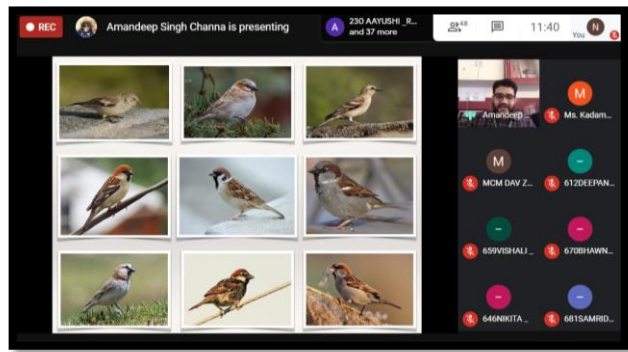
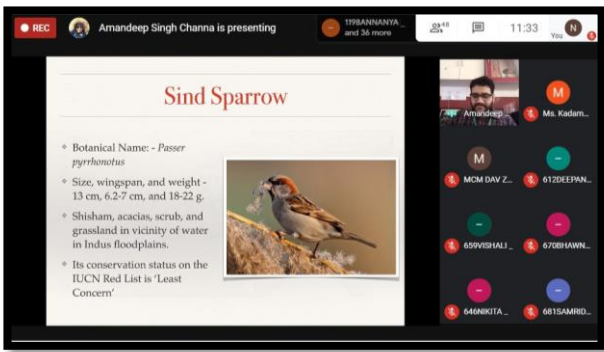
- To sensitize students and faculty about the need to preserve birds.
- To understand suitable methods to install nest boxes for the preservation of sparrows.

**Context:** The decline of the house sparrow is an indicator of the continuous degradation of the environment around us. It is also a warning bell that alerts us about the possible detrimental effects on our health and wellbeing.

**Practice:** The Department of Zoology and MCM Eco-Club organized a Virtual Workshop on 'House Sparrows' in collaboration with Chandigarh Bird Club on the occasion of World Sparrow Day on 20 March, 2021. Madam Rima Dhillon, General Secretary, Chandigarh Bird Club; Member, Punjab Wild Life Board; Executive Member, Avian Habitat & Wetland Society, Chandigarh, accompanied by Madam Sarbjeet Kaur, Senior member, Madam Saroj Gulati & Mr. Amandeep Singh Channa, Members of Executive committee of the Chandigarh Bird Club visited the college campus as resource persons for a Virtual Workshop on House sparrows and for the installation of bird nest boxes.

**Evidence of Success:** Teaching and non-teaching staff of Zoology department and 45 students of B.Sc. Medical attended the virtual workshop. The students came to know about different species of sparrows and their population distribution in India through the workshop.





## 2. AWARENESS PROGRAMME ON LEDs: AN EMERGING ENERGY EFFICIENT TECHNOLOGY

**Activity coordinators:** Dr. Sarabjeet Kaur and Dr. Pallavi Gupta

**Date:** 21 March, 2021

**Number of participants:** 35 students and 05 staff members of the school

### Objectives:

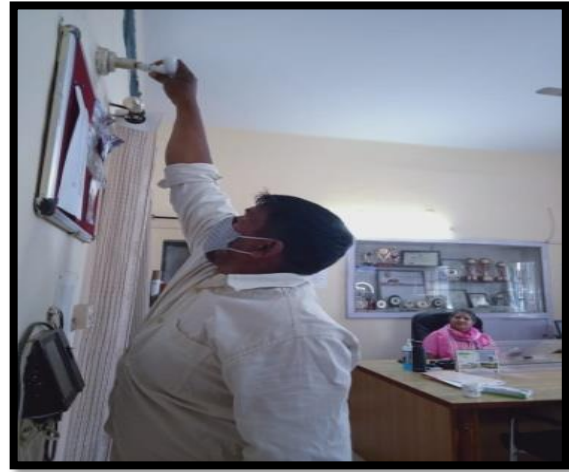
- To impart deep practical knowledge about the basic principles of working of LED and the importance of using LED bulbs.
- To motivate students to start entrepreneurship in sustainable energy products.

**Context:** In the history of lighting devices, invention of LED was a turning point. LED stands for Light Emitting Diode. LED is a highly energy efficient lighting technology, and has the potential to fundamentally change the future of lighting. With the increasing demand for green earth, LED will play significant role in reducing environmental strain on energy resources.

**Practice:** The Renewable Energy Committee, MCM Eco-Club and UBA (Maloya team) organized an awareness session cum workshop in Government Senior Secondary School, Maloya (village adopted under UBA scheme). The session comprised of two events: awareness lecture on ‘Light Emitting Diode: An Emerging Energy Efficient Technology’ and Hands on training on ‘Assembling LED parts’. In the lecture session, the Resource person, Dr. Pallavi Gupta briefed how LEDs have created a revolution in illumination technology. In the presentation, it was emphasized that LED lights are more eco-friendly, and are up to 80% more efficient than fluorescent and incandescent lights. During the hands on training session by Dr. Sarabjeet Kaur, Mr. Jai Prakash and Dr. Pallavi Gupta, the participants successfully assembled LED bulbs. A total of 35 school students along with five staff members participated in this workshop. Some LED lights assembled in the college campus were also donated to the school by the principal, Dr. Nisha Bhargava on this occasion.

**Evidence of Success:** Participants successfully made LED bulbs and tested them successfully. The students were motivated to start their own career as entrepreneur in LED assembly process.





### 3. PLANTATION DRIVE TO CELEBRATE WORLD FOREST DAY

**Activity coordinators-** Dr. Gunjan Sud and Dr. Ruby Singh

**Date:** 22 March 2021

**Number of participants:** 02 Teachers, 01 Lab attendant, 02 Malis & 05 locals

#### **Objective:**

To spread the message of conserving our forests and planting more trees for creating a sustainable environment for the generations to come.

**Context:** World Forest Day is celebrated every year to create awareness amongst the common masses for the conservation of forests and plantation of new trees. Both of these are essential for maintaining the ecological balance of the Mother Earth. Planting trees is one of the effective ways to reduce pollution on the Earth. Constant efforts are required to save this gift of nature with unparalleled utility.

**Practice:** Committed to the theme of the green good deed of the week, the Department of Botany in collaboration with MCM Eco-Club celebrated the World Forest day. A tree plantation drive was organized on 22.03.2021 to mark the occasion in Village Buterla, Sector-41 Chandigarh in coordination

**MCM ECO-CLUB GREEN GOOD DEEDS**

with Deputy Mayor Hardeep Singh Buterla. The tree saplings were planted in different areas of the village by the faculty of the college along with the local residents.

**Evidence of Success:** Saplings were planted in different areas of the Village Buterla located near Sector-41, Chandigarh. The entire team participated with a lot of enthusiasm and the effort was a success.



#### **4. CELEBRATION OF WORLD WATER DAY**

**Activity Coordinators:** Dr. Purnima Bhandari and Dr. Pallvi Rani

**Date:** 22 March, 2021

##### **i. AWARENESS LECTURE ON “WATER CONSERVATION”**

**Number of participants:** 82 NSS volunteers

**Objective:**

To spread awareness among the students about the need to conserve water for sustainable environment

**Context:** Every year, March 22 is celebrated as the “World Water Day” that focusses on the importance of fresh water and presses for the sustainable management of fresh water resources. With the increase in global population coupled with change in climatic conditions, water availability has come under extreme threat. This year, the theme for World Water Day 2021 was “Valuing Water” which means to value water more than its price.

***MCM ECO-CLUB GREEN GOOD DEEDS***

**Practice:** To commemorate the World Water Day- 2021, an awareness lecture on Water Conservation was organized on 22.03.2021 by the NSS Units in collaboration with MCM Eco-Club of the College as a part of Seven Day and Night NSS Special Camp (2020-21). The resource person was Mr. Sushil Dogra, Scientist B, Chandigarh Pollution Control Committee, Paryavaran Bhawan, Sector 19-B, Chandigarh. Mr. Sushil Dogra apprised the volunteers about the need to conserve and preserve water. Using statistics related to wastage of water, he emphasized upon the need of saving water as natural resource. He discussed the reasons for water depletion especially in Sukhna Lake and how one can contribute to the improvement of quality as well as quantity of water. The volunteers were informed about the various ways to reuse water for gardening and cleaning purposes. He also discussed about different water conserving plans such as rain water harvesting, water supply and water quality monitoring schemes such as smart water meters that have been adopted by the Chandigarh Administration in the last few years.

**Evidence of Success:** The volunteers were appreciative of the information that was shared and found it beneficial. They were determined to conserve water and adopt sustainable waste water management strategies in their daily lives.



## ii. AWARENESS RALLY ON JAL SHAKTI ABHIYAN TO CELEBRATE WORLD WATER DAY

**Number of participants:** 62 NSS volunteers

### Objectives:

- To sensitize the residents regarding the need for water conservation
- To identify the problems related to water quality and quantity faced by the villagers and collect data in a survey method

**Context:** The Jal Shakti Abhiyan (JSA) is a water conservation campaign initiated by our Honorable Prime Minister of India Sh. Narendra Modi. On 22 March, 2021, i.e. World Water day, PM Modi virtually launched the campaign - 'Jal Shakti Abhiyan: Catch the Rain' where he urged the citizens of the country to conserve water through a participatory approach.

**Practice:** In lieu of the world water day, the NSS Units in collaboration with MCM Eco-Club of the College organized an awareness rally on 22.03.2021 on Jal Shakti Abhiyan in their adopted Village Badheri, Chandigarh as part of Seven Day and Night NSS Special Camp (2020-21). Following all the necessary COVID-19 protocols, the NSS volunteers of the College visited Badheri where they organized an awareness rally that aimed at creating awareness among the local communities regarding water conservation. Volunteers carried different placards and raised slogans such as *जल है तो जीवन है, पानी है जीवन की आस, पानी को बचाने का करो प्रयास* that aided in conveying the message that **Water conservation is the need of the hour!**

To understand the ground realities and assess the awareness towards cleanliness and water management, a comprehensive survey of more than 50 dwelling units was conducted in a hybrid mode in Village Badheri. During the survey, residents were enquired about the different waste management techniques adopted by them, sources of ground and fresh water, availability of clean drinking water, hygiene-related habits of bathing and washing hands before meals, and different rain water harvesting schemes that they have adopted in order to conserve water. The main aim of the survey was to ascertain the needs and problem faced by them in context to cleanliness and water management.

**Evidence of Success:** All the volunteers were highly enthusiastic and energetic and even during the pandemic, they worked together as a team and came forward to spread awareness about *Swachh Bharat* and *Jal Shakti Abhiyan*.







## 5. FLYER DESIGN CONTEST ON "HIBERNATE MODE: A MOVE TOWARDS POWER SAVING"

**Activity coordinators-** Dr. Mandeep Kaur, Ms. Navdeep Kaur

**Date:** 26 March, 2021

**Number of participants:** 11 Students

### **Objective:**

To sensitize computer users to switch PC/Laptops to hibernate mode (when not in use) for energy saving and battery optimization.

### **Context:**

Hibernation mode in computers is meant for saving power without turning the machine on or off again and again. This involves no extra effort but is an excellent method to contribute for energy conservation.

**Practice:** The event was organized by the Swachhta committee, Department of Computer Science & Applications in collaboration with MCM Eco-Club to celebrate Bharat Ka Amrut Mahotsav (The Green Good Deed of the week). With relevance to the theme, participants chose to mention know-how, tips & tricks, related problems and troubleshooting, configuration settings and other related points. Participants presented their highlighting points in the form of flyer, which made it convenient to disseminate the information to one and all, in precise way.

**Evidence of success:** Participants designed flyers showcasing their creativity to illustrate points of interest, so that readers could get insight into several facets of Hibernation at one sight. The results are as under-

**1<sup>st</sup> position:** Shreya Gupta, BCA II, Roll No. 6101

**2<sup>nd</sup> position:** Navya Chhatwani, B.Com. III, Roll No. 11165

**3<sup>rd</sup> position:** Anjali, BCA II, Roll No. 6184

A MOVE TOWARDS POWER SAVING

# HIBERNATE MODE

- Hibernate mode puts your PC into a low power state that allows a shutdown without losing any of your work.
- Apps stay open and when you turn your computer on again you are back to where you left off.

**Advantages of Hibernate Mode**

- These documents or programs that are had open will keep our jobs and will not be lost, even in the event that the laptop battery runs out or a power outage occurs.
- In addition, it is a state in which a lot of energy and battery is saved.

**HOW TO ENABLE HIBERNATE MODE ?**

- For Windows 8, select Start , and then select Power > Hibernate.
- For Windows 8.1, right-click the Start button, then Tap or click Start down or sign out and choose Hibernate.
- For Windows 7, click the Start button icon, click the arrow next to the Start button, and then click Hibernate.

**Be Smart , Save Battery !!, Save Electricity & Go Green**

**HIBERNATE MODE: MOVE TOWARDS POWER SAVING**



**PROBLEMS**

- Not very useful with SSD.
- PC's don't get periodically cleaned.
- Damage firmware of the computer.
- RAM doesn't get refreshed.
- If not work properly, it ends up in leaving personal information and data.

**CONFIGURATION SETTINGS**

- Open control panel > Click Hardware and Sound.
- Click Power option.
- Then click change plan setting click under current power plan in use. Click change advanced power setting option.
- Expand hibernate after search.
- Use on Battery options set number of minutes before putting device into hibernate state.
- Use Plug-in options set number of minutes before putting device into hibernate state.
- Click apply button.

**TIPS**

- Troubleshooting:** Look for hibernate key, press PC's power button for 5 seconds.
- Disabling Fast Startup:** Start > control Panel as administrator > Type command > press enter > C. Different Power Plan.

Take a step ahead and adopt

# HIBERNATE MODE

"A STEP TOWARDS POWER SAVING"



Hibernation is powering down a computer while retaining its state. It is used for "Power Saving". After using this, When the computer is turned on the RAM is restored and the computer is exactly as it was before entering hibernation.

In simple words Hibernation means your computer will completely shut down and draw no power at all. All of your progress, open data, and running software are packaged in a Hibernation file which is stored on the hard drive.

Hibernate Mode is usually the best choice when you know you won't be using your computer for a while, but you don't want to manually save the many files you were working on or reopen all the programs.

Hibernate is a deeper sleep for PCs that was designed mainly for laptops. It conserves battery power for a laptop and thus less emission of greenhouse gases from computer systems which is also responsible for global warming.

Heat pollution is not a solution,  
Don't be a Fool, Make earth cool !!

Hibernata Mode: A move towards Power Saving

**KNOW HOW**

Hibernation mode is similar to sleep mode except that it saves your open documents and running applications to the hard drive. This means that in the event of a power outage, you can resume your PC use.

**PROBLEM SOLVED**

When the computer hibernates, it is saved out to compact flash memory, USB, SD memory, external hard drive, etc. This means that in the event of a power outage, you can resume your PC use.

**HOW TO ENABLE**

It is available in Windows 8, Windows 8.1, Windows 7, Windows Vista, and Windows XP. To enable it in Windows 8, select Start > Settings > System > Power > Sleep > Change settings that are currently unavailable. Under shut-down settings, select Hibernate and Save changes.

**Hibernate**

is an option designed for laptops and might not be available for all PCs. For eg. PCs with InstantGo don't have the hibernate option. Hibernate uses less power than sleep and saves your current desktop state to your hard disk.



**HOW?**

- Open power options: Windows 8: select start > Settings > System > Power > Sleep > Additional power settings. Windows 8.1: click search, enter Power options and then select Power options. Windows 7: click start button > Control Panel > System and Security > Power options.
- Select Choose what the power button does and then select Change settings that are currently unavailable. Under shut-down settings, select Hibernate and Save changes.

# HIBERNATE MODE

"A Move Towards Power Saving."

**Configuration Development**

**steps:**

- Create a Simple Maven Project.
- Project Directory Structure.
- Add jar Dependencies to pom.xml.
- Creating the JPA Entity Class/ Persistent class.
- Create a Hibernate configuration file- Java Configuration.
- Create Student Dao Class.
- Create the Main class and Run an Application.

**How do you fix Hibernating Problem!!!**

When using the hibernate option on Windows 8 the screen goes off, fans keep working, and LED lights stay on for a long time until the device eventually turns off. Best practice what you can do is:

if Plug your laptop into the power supply and press the Power button to power on your laptop, you may also try powering the laptop off by holding the button down for 10-sec. This should release the hibernation mode.

If you can't fix the trouble-shooter and check the issue.

SAVE Electricity



**ONCE USED CAN NOT BE RESTORED**

**GREEN COMPUTER**

"Use Green Computer, Save Environment"

100% Save

**SAVE ENERGY**

- Save huge money
- Save environment
- For recycle of Waste Product
- Decrease the risk in further life

## 6. AWARENESS PROGRAM ABOUT PRE-SOAKING OF DISHES FOR EFFICIENT WASHING AND WATER CONSERVATION

**Activity coordinators:** Dr. Neetu and Dr. Sarabjeet Kaur

**Number of participants:** 06 Mess workers

**Objective:** To use water judiciously while washing utensils in college mess and canteen.

**Context:** The water table is depleting due to over exhaustion of the fresh water resources. The awareness towards water conservation is the need of the hour. The routine activities like washing utensils, washing clothes if done efficiently with an aim to reuse and recycle water, can decrease the water wastage and help in water conservation which will be beneficial for the generations to come.

**Practice:** The members of MCM Eco-Club motivated the workers of canteen and mess to soak the utensils before washing. Soaking utensils helps to dislodge the greasy stains, takes less time to clean them and also involves less consumption of water. This is a practice followed in the mess and canteen by the workers to conserve water. The soaking is done for 1-2 hours for bigger utensils while some smaller utensils are cleaned efficiently after half an hour. The students were also motivated to follow the same at their homes.

**Evidence of Success:** It has been found that a regular practice to soak the utensils in water for 1-2 hours before cleaning decreases the labor of the mess workers, saves their time and above all helps to conserve water.

