



Dolphin (P.G.) Institute of Biomedical & Natural Sciences

Affiliated to H.N.B. Garhwal Central University, Srinagar, Garhwal, Uttarakhand, India

NAAC Accredited 'B++' (2nd Cycle)

Approved by Government of Uttarakhand, IAP and NCTE

Recognized by Uttarakhand Paramedical Council and Recognized NPTEL - Local Chapter by IIT Madras.

**7.1.3 Quality audits on environment and energy regularly undertaken by the Institution.
The institutional environment and energy initiatives are confirmed through the following**

- 1. Green audit / Environment audit**
- 2. Energy audit**
- 3. Clean and green campus initiatives**
- 4. beyond the campus environmental promotion and sustainability activities**

This is to certify that documents from page number 2 to 42 are digitally attested.



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Clean and Green Campus Initiatives

Address : V.P.O. Manduwala, Near Suddhowala, Chakrata Road, Dehra Dun - 248 007 (Uttarakhand) India

Contact : +91-9568004547, 9927800045 E-mail : mail@dolphininstitute.in Website : www.dolphininstitute.in



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Landscaping with trees and plants

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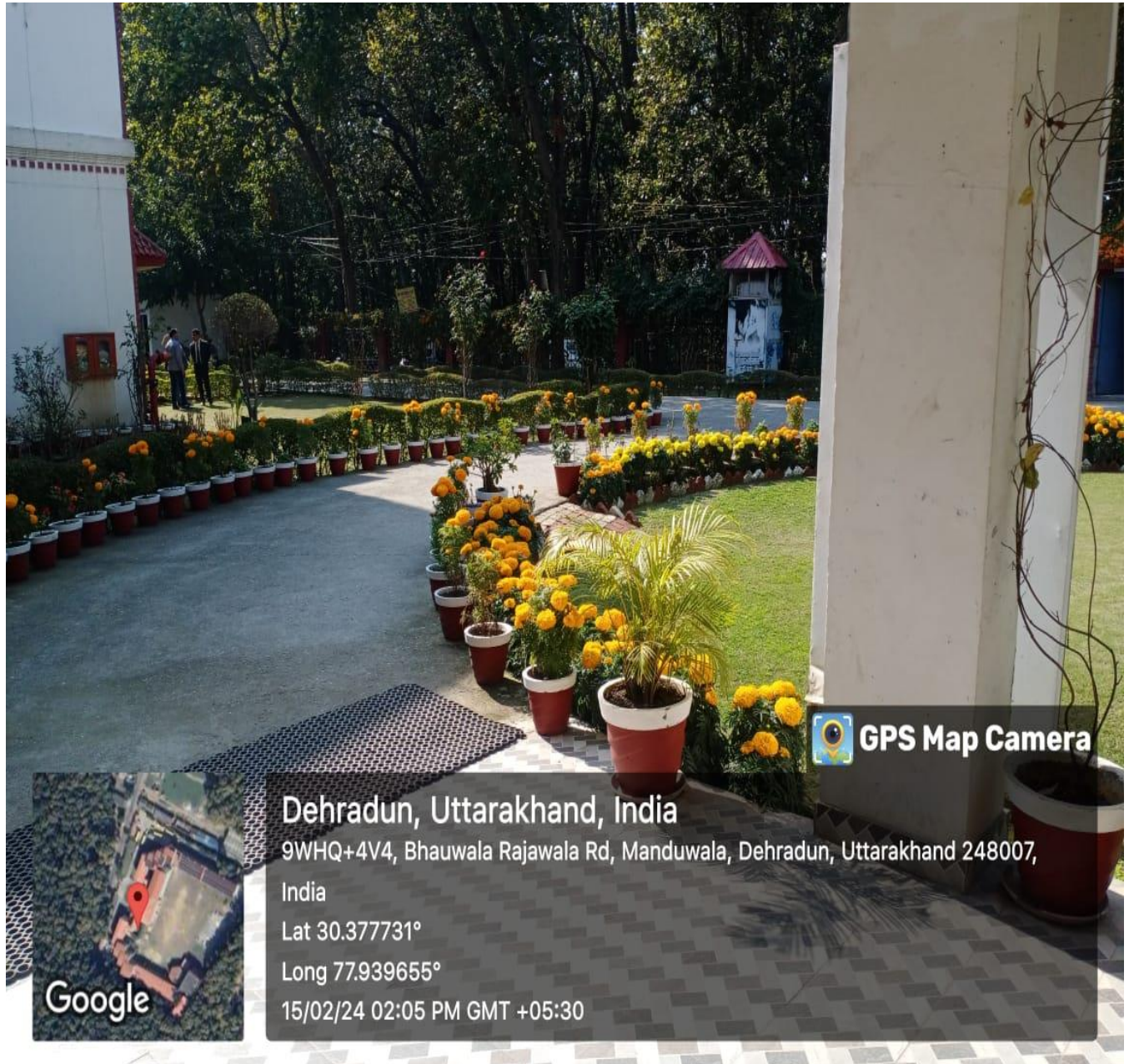
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Pedestrian friendly pathway

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Plastic free campus

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 **GPS Map Camera**



Dehradun, Uttarakhand, India

9WHQ+7RW, Bhauwala Rajawala Rd, Manduwala, Uttarakhand 248007, India

Lat 30.378092°

Long 77.939722°

28/02/24 01:52 PM GMT +05:30

Dustbin installation for plastic free campus

Address : V.P.O. Manduwala, Near Suddhowala, Chakrata Road, Dehra Dun - 248 007 (Uttarakhand) India

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Battery Powered vehicle

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Clean and Green campus

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Inside the campus Clean and Green campus initiatives

Sr. No.	Name of activity	Academic year	Event category
1	World environment day celebration	5 June 2023	Environmental and sustainability
2	Earth day celebration	22 April 2023	Environmental and sustainability
3	Homing Sparrow and bird	9 Jan 2023	Environmental and sustainability
4	Preserving The Himalayan Ecosystem	5 Sept 2023	Environmental and sustainability
5	MERI MATI MERA DESH CAMPAIGN	10 August 2023	Environmental and sustainability



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Report on “World Environment Day”

Organized by ECO-CLUB and DSWC, DIBNS, Dehradun on 5th June, 2023

MISSION OF ECO-CLUB

The mission of the eco club is "Go Green initiative" to raise the students' "interest" over environmental issues and to get the students actively involved in environmental matters from their own area. The club also seeks to conserve nature's heritage by education and direct conservation efforts to spread awareness about good environmental practices like for a ban on plastic, proper dumping of garbage, planting of trees etc.

ACTIVITY

“A little effort towards saving the environment is better than no effort.”

In reference to the aforesaid subject, World Environment Day was organized in the institute on 5th June, 2023 with this year's theme **“Beat Plastic Pollution”** and various programs were organized & coordinated by ECO Club, DIBNS.

A cleanliness drive was organized by the NSS Unit which was carried out from the Institute's premises till Manduwala Chowk followed by Nukkad Natak in Dolphin Ground, both activities coordinated by Dr. Manoj Bainsala and Dr. Richa Agarwal. In order to make Dolphinites aware of our environment and its conservation, an oath on “Lifestyle for the Environment Pledge” was taken by all the members of Dolphin Institute in the Dolphin Ground. The oath taking



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ceremony was carried over by Dr. Deepali Rana and Dr. Rashmi Chamoli. To mark this day, tree plantation was also done.

In order to make students aware about the aforesaid aspects, an Interdepartmental Poster Competition on the topic, “Solutions to Plastic Pollution” was organized in which students from all the departments participated. The posters were displayed at the reception area and judgement was done. The participants of this event were motivated by the history & about the environment day celebration by Dr. A.K. Uniyal and inaugural speech by Principal, Dr. Shailja Pant after the lamp lighting ceremony. Dr. Sas Biswas, Head Department of Forestry conducted a quiz which was very interactive with its visuals followed by Interdepartmental Digital Presentation competition on the topic, “Beat Plastic Pollution” which is also the theme of this year’s Environment Day Celebration. The winners of quiz completion and digital presentation were felicitated by Principal Mam, Dean Sir, Shri. Vipul Garg, and Coordinator IQAC, Dr. Shruti Sharma. The event was highly informative for both students and faculty members. The session ended with vote of thanks by Dr. A. K. Pundir. Plant distribution to various NGO’s was done by Dr. Sandhya Goswami and Dr. Manish to commemorate Earth Day. Other dignitaries present on the occasion were Dr. Shruti Sharma, Coordinator, IQAC, department heads, faculty members **etc.** Around 250 participants attended this program.

Thanks are due to Chairman Sir Shri. Arvind Gupta, Principal Mam Dr. Shailja Pant, Director Sir Shri. V. K. Nagpal, all the Department’s Head, faculty members, students, IT cell, and admin staff for making this event a huge success.

MEMBERS

1. Dr. C. S. Pandey

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2. Dr. A. K. Uniyal
3. Dr. A. K. Pundir
4. Dr. Deepali Rana

PHOTOGRAPHS





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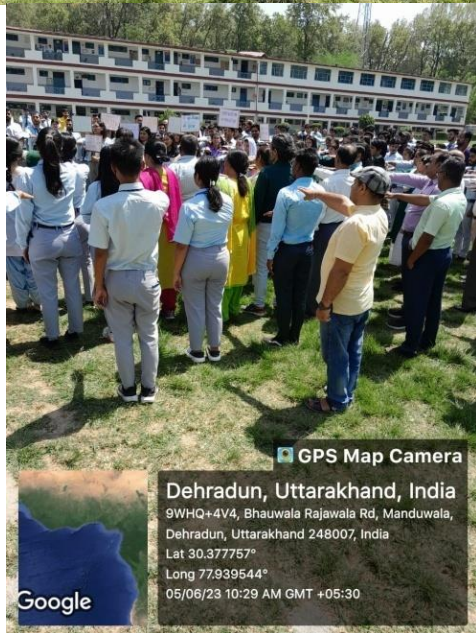
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Bhauwala Road, Vikasnagar, Dehradun, 248007, UT, India
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06/05/2023 10:20 AM GMT+05:30

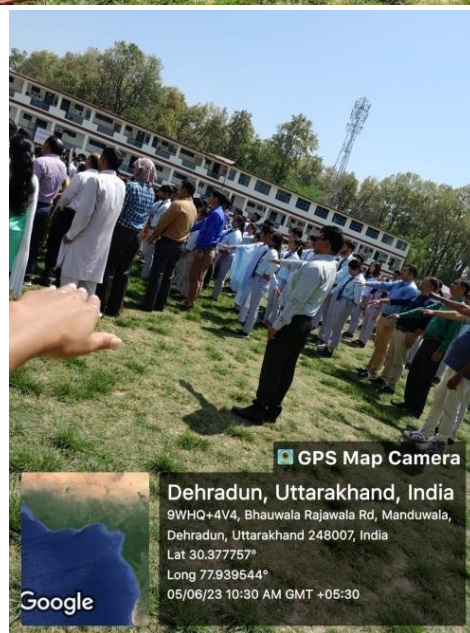
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GPS Map Camera

Dehradun, Uttarakhand, India
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Lat 30.377757°
Long 77.939544°
05/06/23 10:29 AM GMT +05:30

Google



GPS Map Camera

Dehradun, Uttarakhand, India
9WHQ+4V4, Bhauwala Rajawala Rd, Manduwala, Dehradun, Uttarakhand 248007, India
Lat 30.377757°
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Google

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India
Lat 30.377784, Long 77.939572
06/05/2023 10:31 AM GMT+05:30



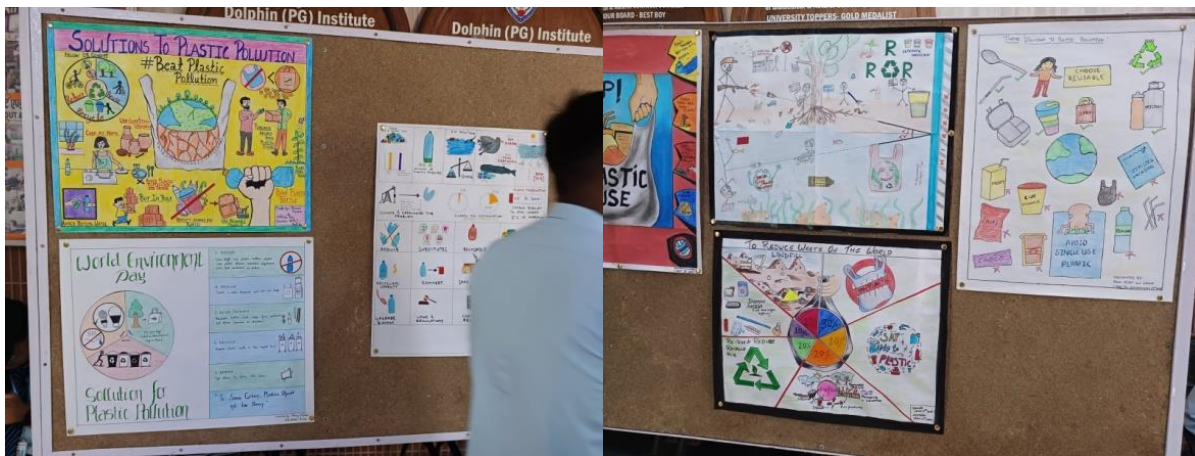
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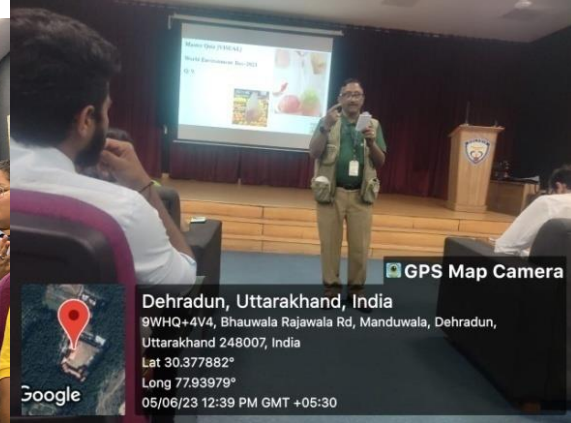
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Report on “World Earth Day”

Organized by ECO-CLUB on 22nd April, 2023

MISSION OF ECO-CLUB

The mission of the eco club is "Go Green initiative" to raise the students' "interest" over environmental issues and to get the students actively involved in environmental matters from their own area. The club also seeks to conserve nature's heritage by education and direct conservation efforts to spread awareness about good environmental practices like for a ban on plastic, proper dumping of garbage, planting of trees etc.

ACTIVITY

A guest lecture was organized by “ECO-CLUB” Dolphin (P.G.) Institute of Biomedical & Natural Sciences, Dehradun to celebrate “World Earth Day” on the theme “Invest in Our Planet” on 22nd April, 2023. Dr. Sas Biswas, Head, Department of Forestry was the invited speaker on this occasion. The program began with a welcome address by Dr. Deepali Rana and with a brief introduction of the Eco – Club. Dr. Biswas was welcomed by Dr. A. K. Uniyal with a sapling. The session was started with an introduction of Dr. Sas Biswas, followed by his presentation on topic “Recent Perspectives in earth’s Ecology with Changing Times for Livelihood and Well being”. He emphasized upon various ecological aspects and also on methods by which we can invest in our planet. It was followed by an interactive session with the audience and think tank members from across the world (online). The lecture was highly informative for both students and faculty



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members. The session ended with vote of thanks by Dr. A. K. Pundir. Also, a Ritha (Soap nut or Washnut) sapling was planted by Dr. Shailja Pant, Principal, Dolphin Institute at the reception to commemorate Earth Day. Other dignitaries present on the occasion were Dr. Shruti Sharma, Coordinator, IQAC, Dr. K. P. Tripathi, Dr. Shalini Singh, Dr. V.P.S. Rawat, **Mr. Manish Kumar. Mr. Prabhakar Manori and Mr. Anil Kumar Kewat etc.** Around 100 participants attended this lecture.

Thanks are due to Chairman Sir Shri. Arvind Gupta, Principal Mam Dr. Shailja Pant, Director Sir Shri. V. K. Nagpal, all the Department's Head, faculty members, students, IT cell, and admin staff for making this event a huge success.

MEMBERS

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2. **Dr. A. K. Uniyal**
3. **Dr. A. K. Pundir**
4. **Dr. Deepali Rana**



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Planting ceremony commemorating Earth Day – 2023 organized by Eco Club, DIBNS

RITHA, SOAP NUT OR WASHNUT

Botanical Name: *Sapindus mukorossi* (Sapindaceae)

Origin: It is a deciduous tree that grows in the lower foothills and mid hills of the Himalayas at altitudes of up to 1,200 metres. It is native to western coastal Karnataka, Maharashtra and Goa in India; as well as southern China.

Dendrology:

Tree with alternate leaves, long, pinnate, leaflets turn yellow before fall. Flowers form in large panicles, each flower small, creamy white. Fruit is a small leathery-skinned drupe, yellow blackish while ripening, containing one to three seeds. Flower : April- June; Fruiting : July-September

Uses :

- The value of the tree mostly comes from its fruit, which can be used for many pharmacological and cleansing purposes.
- Soapnut contains the compound of saponin, which has natural cleansing properties, and therefore the soapnut can be used as a cleanser for hair, skin, and clothing.



- Researchers have found that the Ritha fruit can be used in an enhanced oil recovery (EOR) technique. It is found that extracts from the soapnut can be used as an organic surfactant to increase the mobility of oil from the fields.

- Kernel extracts of soapnut disrupt the activity of enzymes of larvae and pupae that feeds on its leaves and inhibits the growth of the mosquito which is vector for many viral diseases.



By Shaina Thakur & Tigris Mama, BSc Forestry (H), 2021- 2025 Batch



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Report on “Homing Sparrow and Birds”

Organized by ECO-CLUB on 9th January, 2023

MISSION OF ECO-CLUB

The mission of the eco club is "Go Green initiative" to raise the students' "interest" over environmental issues and to get the students actively involved in environmental matters from their own area. The club also seeks to conserve nature's heritage by education and direct conservation efforts to spread awareness about good environmental practices like for a ban on plastic, proper dumping of garbage, planting of trees etc.

ACTIVITY

An activity on “Homing Sparrow and Birds” was organized by **Eco Club DIBNS on 9th January 2023**. In this activity sparrow houses and bird nests were placed at different locations in the campus so as to provide suitable nesting places for birds. Students were explained the necessity of the conservation of birds and their nesting habitats. Principal, Dr. Shailja Pant, DIBNS encouraged the students for conservation practices during this event. A lecture was delivered by Dr. Deepali Rana, Department of Zoology, highlighting upon bird's habitat, their nesting, breeding and feeding grounds. This activity was stewarded by Dr. C.S. Pandey, Dr. A. K. Uniyal and Dr. A. K. Pundir and was attended by 59 students of ECO CLUB, DIBNS.



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Thanks are due to Chairman Sir Shri. Arvind Gupta, Principal Mam Dr. Shailja Pant, Director Sir Shri. V. K. Nagpal, all the Department's Head, faculty members, students, IT cell, and admin staff for making this event a huge success.

MEMBERS

1. **Dr. C. S. Pandey**
2. **Dr. A. K. Uniyal**
3. **Dr. A. K. Pundir**
4. **Dr. Deepali Rana**



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PHOTOGRAPHS





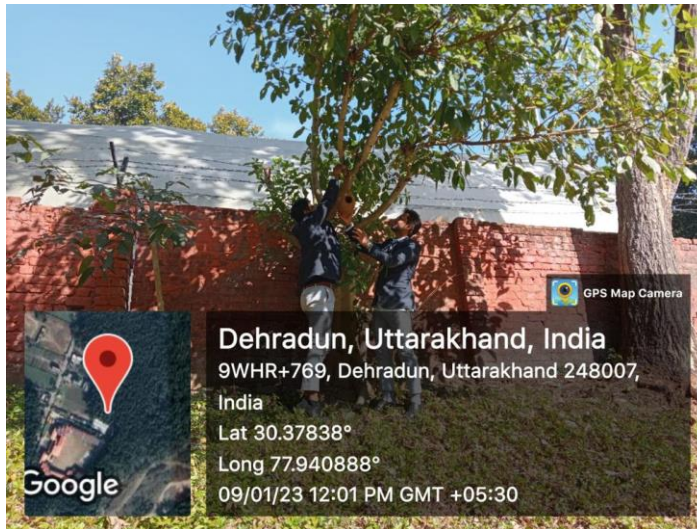
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Contact : +91-9568004547, 9927800045 E-mail : mail@dolphininstitute.in

Website : www.dolphininstitute.in



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Event Report	
Title	Preserving The Himalayan Ecosystem
Name of the Activity	Himalayan Day -2023
Date	05 September, 2023
Venue	New Auditorium & Campus, DIBNS, Dehradun
Organized By	Eco-Club and DSWC, in Collaboration with NSS unit, DIBNS, Dehradun
Resource Person	Dr. A.K. Uniyal & Dr. A.K. Pundir and Dr. Deepali Rana
No. of Participants	117 Students/ All Dolphin Institute Faculties
Event Objective	<ol style="list-style-type: none">1. To preserve the Himalayan ecosystem and region and to mark the importance of the Himalayas.2. Highlighted that there is an urgent need to develop eco-sensitive hill town plants and designs.3. To raise awareness among the general public , students about community participation in Himalayas conservation
Event Outcome	<ol style="list-style-type: none">1. An oath on “Himalaya Pratigya’ was taken by students and faculties members of dolphin.2. The mission of this day celebration was to spread awareness about good environment practices3. Apart from promoting scientific knowledge the day helps to raise awareness and community participation.
Photographs	



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Event Coordinator



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Event Report	
Title	MERI MATI MERA DESH CAMPAIGN - 2023
Name of the Activity	MERI MATI MERA DESH CAMPAIGN - 2023
Date	10th August, 2023
Venue	Dolphin Institute Campus, Dehradun
Organized By	Eco-Club and DSWC, in Collaboration with NSS & NCC unit, DIBNS, Dehradun
Organizing team	Dr. A.K. Uniyal, Dr. A.Pundir, Dr. Deepali Rana, Dr. M. Bainsla, Leut. R. Maithani & others
No. of Participants	38 Students/ All Dolpin Instt. Faculties
Event Objective	<ol style="list-style-type: none">1. Dedication of Shilaphalakam-installation of nameplate of Veers.2. Taking the Panch Pran Pledge.3. Vasudha Vandan—creation of Amrit Vatika with 75 saplings of indigenous trees.4. Veeron Ka Vandan- honoring freedom fighters/braves who protect the nation and families of braves.
Event Outcome	<ol style="list-style-type: none">1. Establishment of Amrit Vatika in the college campus was done on 10th August, 2023 jointly organized by ECO-CLUB, NSS, NCC and DSWC, DIBNS. This 'Amrit Vatika' will symbolize the commitment to 'Ek Bharat Shreshtha Bharat.' In 'Amrit Vatika' saplings of various plants like amla, khair, gulmohar were planted owing to their medicinal importance.2. An oath taking ceremony was organized at the Dolphin Ground in which staff members (teaching and non- teaching) participated. It was coordinated by Dr. Manoj Bainsala, Dr. Richa Agarwal, Dr A.K. Uniyal, Dr. A.K. Pundir and Dr. Deepali Rana.



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Photographs



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Event Coordinator