



**SRI VENKATESWARA COLLEGE  
(UNIVERSITY OF DELHI)**

**EVENT REPORT**

<b>NAME OF THE EVENT:</b>	Study of algal diversity in different habitats through botanical excursion		
<b>DATE</b>	<b>DEPARTMENT</b>	<b>COMMITTEE/SOCIETY</b>	<b>COORDINATORS' NAME</b>
30 <sup>th</sup> October 2023 – 3 <sup>rd</sup> November 2023	Botany		Convener: Prof. Shukla Saluja Co-convener: Dr. Manoj Thakur
<b>TIME</b>	<b>VENUE</b>	<b>NUMBER OF PARTICIPANTS</b>	<b>NATURE: Outdoor/Indoor; online/offline/hybrid</b>
From the evening of 30 <sup>th</sup> October, 2023 to the morning of 3 <sup>rd</sup> November, 2023.	McLeod Ganj, Dharamshala, Jot, Khajjiar, Chamba, NHPC, and Dalhousie, Himachal Pradesh	2 Faculties 17 Students	Outdoor; offline
<b>FINANCIAL SUPPORT /ASSISTANCE (if any):</b>	Self-financed		

**BRIEF INFORMATION ABOUT THE ACTIVITY**

<b>TOPIC/SUBJECT OF THE ACTIVITY</b>	Study of algal diversity in different habitats through botanical excursion
<b>OBJECTIVES</b>	To study plant biodiversity in different habitats. To learn about hydroelectric power and its mechanism.
<b>METHODOLOGY</b>	Students were taken on an outstation trip to the places around Dhauladhar Range to observe the plant biodiversity of the specific habitat. They further were taken on a visit to NHPC to learn about hydroelectric power and its mechanism and generation.
<b>OUTCOMES</b>	Students were able to distinguish between many genera across the different divisions of the plant kingdom associated with different regions across the Dhauladhar range. They gained better insight into their characteristic features and their life cycle. The students were able to identify many plants and associate theory with the practical. Students received a first-hand experience of understanding the various types of techniques used in the generation of hydroelectric power.

**PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):**

1 Notice & Letters ✓	2 Number of Participants & Name of Participants ✓	3 Video clip	4 Photos ✓	5 Feedback Form & analysis
6 News clip with details	7 Sample Copy of the Certificate	8 Posters/ Invites	9 Event report Attested by Event Coordinator ✓	10 Any other document

IQAC Document No: IQAC/SVC/ 2023-2024/ Botany/Outdoor/ 04	Criterion No:
Departmental file no: Botany/2023-2024/ Outdoor Activity/ SS/MT	IQAC File No: SVC/2023-2024

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Prof. Shukla Saluja		
Dr. Manoj Thakur		

For Reference

Criterion I	Curricular Aspects (planning & Implementation)	Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation	Criterion VI	Governance
Criterion III	Research, Innovations & Extension	Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure		



Tirumala Tirupati Devasthanams

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**Sri Venkateswara College**

(University of Delhi)

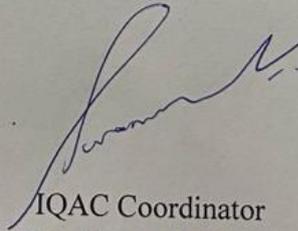
NAAC Grade A+

## **CERTIFICATE**

This is to certify that the **study tour** was successfully conducted from 30<sup>th</sup> October to 3<sup>rd</sup> November 2023 by the **Department of Botany** in the **Offline** mode and its event report has been submitted to IQAC for records.

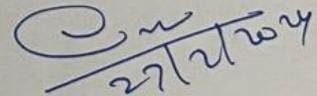
Shukla Saluja

Event In-Charge



IQAC Coordinator

Coordinator, IQAC  
Sri Venkateswara College  
(University of Delhi)  
Dhaura Kuan, New Delhi-110021



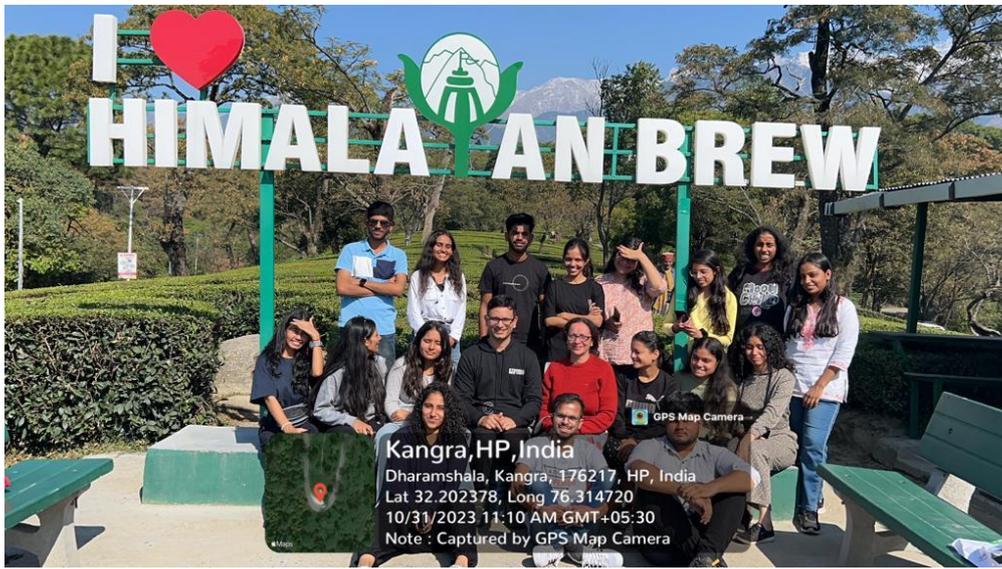
Principal

PRINCIPAL (Acting)  
Sri Venkateswara College  
(University of Delhi)  
Dhaura Kuan, New Delhi-110021

## ABOUT THE TRIP

### *Educational Excursion: Wonders of the Dhauladhar Range*

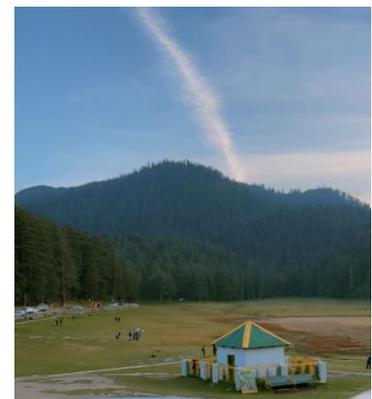
The journey embarked from Sarai Rohilla Railway Station, opening a door to botanical exploration amid the enchanting **Dhauladhar Range**. Upon reaching Pathankot Cantt Railway Station on the 31<sup>st</sup> at 5:35 AM, the students set out to unravel the diverse habitats surrounding **Dharamshala**,



*Students and the faculties at the tea garden, Dharamshala, HP*

adorned with *Pinus*, *Cedrus*, and the occasional *Rhododendrons*. Students also got to view the picturesque **tea gardens** marking the economic significance of *Camelia sinensis*. The trees over there were covered with lichens which marked how pure and pollution-free was the environment over there and a perfect home to Mother Nature. A trek to **Bhagsunaag Waterfall**, a natural spectacle nestled amidst the mountains, at **Mc Leod Ganj**. boasted a rich tapestry of bryophytes and pteridophytes, including *Adiantum*, *Pteris*, *Plagiochasma*, and *Marchantia*. These plants, dependent on water for their life cycles, thrived in the vicinity of the waterfall, creating a captivating display in the crevices and on the mountain walls, represents an ecosystem niche in itself.

The second day unfolded with an early departure from Dharamshala to Jot Hilltop provided a dynamic environment to study the adaptive features of the vegetation, highlighting the variability of flora across the region. The ecological landscape of Khajjiar is shown in the picture. The final leg commenced with a visit to Chamba where the exploration of the surrounding vegetation provided a canvas for studying the ecological dynamics of the region.



*Khajjiar, chamba HP*

The journey continued to **NHPC**, an enlightening experience, offering insights into the intricate hydroelectric power generation mechanisms amidst the verdant landscapes of the Dhauladhar Range. It was a whole new world behind the small gate that acted as a portal between the two worlds. Practical exposure complemented theoretical knowledge, providing a holistic understanding of sustainable energy practices.



*Visit to Chamera –II NHPC*

The sight of the dam, illuminated against the vast sky, added another dimension to the students' understanding of the environmental impact of such projects.

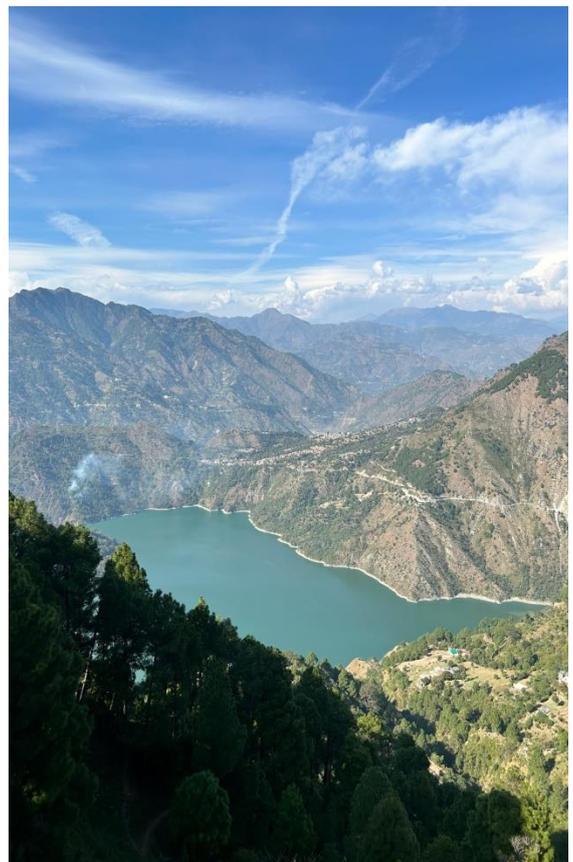
This was then followed by final return to Pathankot. The students, now well-versed in the flora of Chamba, boarded the train back to Sarai Rohilla Railway Station.

### **Botanical Insights**

The excursion provided a unique opportunity to study the diverse vegetation of the Dhauladhar Range. Algae, bryophytes, pteridophytes, gymnosperms, and angiosperms were observed in various habitats - from rock crevices in Dharamshala to the riverbank of **Ravi** in Chamba. The variable presence of the *Rhododendron* genus highlighted the nuanced ecological niches of each location.

**Reflections:** The excursion not only broadened academic horizons but also fostered a sense of awe and appreciation for the natural world. As the wheels of the train rolled back to Delhi, the memories of the trip lingered, leaving an indelible mark on each participant.

The students returned not just with knowledge but with a profound connection to the flora and landscapes that define the essence of the Dhauladhar Range.



**Chauda dam**

## Notice and Letters

To  
The Principal,  
SVC, New Delhi

25/10/23

Subject : Outstation excursion to H.P. (Dharamshala,  
& Chamba)

Sir,

We would like hereby to bring in your kind notice that we are taking students for outstation excursion as a part of their syllabus. We will leave from Delhi on 30/10/2023 ~~and~~ evening and will be coming back ~~by~~ by 3/11/2023 morning. List of students joining the trip and the parent consent form along with adhaar copy of the parents, and students are attached. Also the copy of the student ID cards are attached for your perusal.

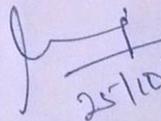
Thanking You!

TIC

Prof. Shukla Saluja

and

Dr. Manoj Thakur

  
25/10/2023

## **No. of Participants & Name of Participants**

(All attendees are affiliated with Sri Venkateswara College)

<b>S. No.</b>	<b>Roll No.</b>	<b>Name of the Participant</b>	<b>Semester</b>	<b>Course</b>
1	1421002	Aditi Raj	V	B. Sc. (Hons.) Botany
2	1421005	Akriti Tiwari	V	B. Sc. (Hons.) Botany
3	1421009	Anjali Luthra	V	B. Sc. (Hons.) Botany
4	1422012	Anubha Chalana	V	B. Sc. (Hons.) Botany
5	1421013	Anushka	V	B. Sc. (Hons.) Botany
6	1421014	Archiya Kumari	V	B. Sc. (Hons.) Botany
7	1421022	Priyanka Chaudhary	V	B. Sc. (Hons.) Botany
8	1421036	Prarthna Jain	V	B. Sc. (Hons.) Botany
9	1421045	Sukriti	V	B. Sc. (Hons.) Botany
10	1422003	Kashish	III	B. Sc. (Hons.) Botany
11	1422043	Samridhi Choudhary	III	B. Sc. (Hons.) Botany
12	1422051	Prachi Kumari	III	B. Sc. (Hons.) Botany
13	1422057	Ratendra Pratap Singh	III	B. Sc. (Hons.) Botany
14	1422058	Grace	III	B. Sc. (Hons.) Botany
15	1422059	Chandra Shekhar Chouhan	III	B. Sc. (Hons.) Botany
16	2022007	Amit Sharma	III	B. Sc. (Hons.) Zoology
17	2022040	Aryan Chaudhary	III	B. Sc. (Hons.) Zoology

### **Event Convenors:**

Prof. Shukla Saluja (Professor, Department of Botany)

Dr. Manoj Thakur (Assistant Professor, Department of Botany)

## Some of the plants observed during the Trip



(From left to right): Lichen, *Plagiochasma*, *Pteris*, *Marchantia*, *Urtica dioica* and *Adiantum*