



GOVERNMENT COLLEGE KARSOG

Karsog, District Mandi, Himachal Pradesh

SCIENCE STREAM

REPORT ON EDUCATIONAL TOUR TO PALAMPUR

CSIR – Institute of Himalayan Bioresource Technology (CSIR-IHBT)
CSK Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV)
Science Centre, Palampur

Tour Dates: 24 – 25 September 2026

Submitted To: Department of Botany & Physics

Submitted By: Students of BSc Final Year (Medical) & Dr. Lomeshwar

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Acknowledgement

The Science Stream of Government College Karsog expresses its sincere gratitude to everyone who contributed to the success of the educational tour to Palampur.

We are thankful to the accompanying faculty members, **Dr. Lomeshwar, Dr. Virender Thakur and Ms. Sonia Chaudhary**, for their guidance, supervision and constant support throughout the tour. We also thank the college administration for making this educational tour possible.

Our sincere thanks are due to **CSIR – Institute of Himalayan Bioresource Technology (CSIR-IHBT), Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV)** and the **Science Centre, Palampur** for hosting the group and for generously sharing their knowledge, laboratories and facilities with the students. The scientists, university officials and demonstrators who explained their work patiently made the visit a truly enriching experience.

Executive Summary

The Science Stream of Government College Karsog, Himachal Pradesh, organised a two-day educational tour to Palampur on **24–25 September 2026**. A group of **33 students**, accompanied by **three faculty members**, travelled overnight from Karsog and visited three institutions: CSIR-IHBT, CSKHPKV and the Science Centre, Palampur.

At **CSIR-IHBT**, the students were introduced to the extraction and characterisation of bioactive compounds, UHPLC and LC-MS, composting technologies for cold regions, the cultivation of non-native crops such as monk fruit and saffron, medicinal and aromatic plants, and molecular biology techniques including PCR and high-throughput sequencing.

At **CSKHPKV**, the group interacted with university staff on the history, academic programmes and research of the university, viewed displays of seeds and agricultural machinery, and toured the University Museum, which highlighted crop diseases and the development of disease-resistant varieties.

The tour concluded with a visit to the **Science Centre, Palampur**, where the students explored the Science Park, the Fun Science Gallery and the Untamed Earth Gallery and attended a live science demonstration lecture. This report documents the itinerary, activities and learning outcomes of the tour.



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1. Introduction

1.1 Background of the Tour

An educational tour to **Palampur** was organised by the Science Stream of **Government College Karsog**, Himachal Pradesh, on **24/09/26 – 25/09/26**. The main objective of the visit was to provide students with practical exposure and to enhance their understanding of scientific research and education.

A group of 33 students was accompanied by three faculty members: **Dr. Lomeshwar, Dr. Virender Thakur and Ms. Sonia Chaudhary**.

The major destinations of the tour were **CSIR – Institute of Himalayan Bioresource Technology (CSIR-IHBT)**, **CSK Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV)**, **Palampur**, and the **Science Centre, Palampur**.

1.2 Objectives of the Tour

- To provide students with practical exposure and to strengthen their understanding of scientific research and education.
- To introduce students to modern laboratory techniques and instruments used in plant and biological research at CSIR-IHBT.
- To familiarise students with agricultural research, extension education and crop improvement at CSKHPKV.
- To acquaint students with the university's academic programmes and admission system.
- To promote scientific awareness and scientific temper through the interactive exhibits and demonstrations at the Science Centre.

1.3 Tour Particulars

Organised by	Science Stream, Government College Karsog, Himachal Pradesh
Destination and dates	Palampur, Himachal Pradesh 24/09/2026 – 25/09/2026
Participants	33 students
Accompanying faculty	Dr. Lomeshwar Dr. Virender Thakur Ms. Sonia Chaudhary
Institutions visited	CSIR – Institute of Himalayan Bioresource Technology (CSIR-IHBT) CSK Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV) Science Centre, Palampur
Accommodation	Kailash Bhawan, CSKHPKV, Palampur



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2. Journey and Itinerary

2.1 Outward Journey and Arrival

The journey began from the **Karsog Bus Stand at 10:00 PM**. The students and the accompanying faculty members travelled overnight towards Palampur.

The group reached **CSKHPKV, Palampur, at 6:30 AM**. The stay was organised at **Kailash Bhawan** on the university campus. After reaching the campus, the students freshened up, had breakfast in the canteen area and prepared for the day's activities.

At approximately 8:50 AM, the group departed from CSKHPKV for CSIR-IHBT, which it reached between 9:35 and 9:40 AM, where the scheduled visit began.

2.2 Detailed Itinerary

Time	Activity	Venue
Overnight Journey		
10:00 PM	Departure from Karsog Bus Stand; overnight travel to Palampur	Karsog Bus Stand
Day 1 – 24 September 2026		
6:30 AM	Arrival at CSKHPKV; accommodation at Kailash Bhawan	CSKHPKV, Palampur
After arrival	Freshening up and breakfast	Canteen area, CSKHPKV
8:50 AM	Departure for CSIR-IHBT	CSKHPKV
9:35 – 9:40 AM	Arrival at CSIR-IHBT; laboratory and field visits (Lab 1, Lab 2, composting, plant cultivation, medicinal and aromatic plants, molecular genetics and genomics laboratory)	CSIR-IHBT, Palampur
1:30 PM	Return to CSKHPKV; lunch	CSKHPKV
2:20 PM	Interaction with CSKHPKV staff on the university's history, programmes and research	Seminar Hall, Director of Extension Education (DEE)
After the seminar	Visit to the display of agricultural products, seeds and equipment; visit to the University Museum	CSKHPKV
After CSKHPKV visit	Visit to the Science Centre; science demonstration lecture	Science Centre, near Holta, Palampur



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Time	Activity	Venue
5:45 PM	Departure for CSKHPKV; night stay	CSKHPKV (Kailash Bhawan)
Day 2 – 25 September 2026		
8:46 AM	Departure from CSKHPKV on the return journey to Karsog	CSKHPKV

2.3 Return Journey

After spending the night at CSKHPKV, the group started its journey back to Karsog at **8:46 AM** on 25 September 2026, concluding the educational tour.

3. Visit to CSIR-IHBT, Palampur

3.1 Overview of the Visit

The group reached the **CSIR – Institute of Himalayan Bioresource Technology (CSIR-IHBT)** at approximately 9:40 AM. The students were introduced to different areas of scientific research and to several modern laboratory techniques.

The discussions and demonstrations covered the following areas:

- Extraction of bioactive molecules
- Analytical techniques, including UHPLC
- Waste management and composting
- Plant sources, medicinal and aromatic plants
- Biotechnology and molecular biology

3.2 Laboratory 1: Bioactive Compound Extraction

In Laboratory 1, the students were introduced to the methods used to extract bioactive compounds from plant materials and to study their properties. The process followed is summarised below.



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Stage	Description
1. Collection	Collection of the plant material.
2. Extraction	The desired compound is extracted from the plant material.
3. Separation and purification	The compound is separated using column chromatography . The basic principle involves the interaction of the compound with the stationary phase and its movement with a mobile phase.
4. Characterisation	The compound is characterised using the NMR technique , which provides information about the chemical environment of atoms within a molecule. It is therefore important in the characterisation of compounds isolated from biological materials.

3.3 Laboratory 2: UHPLC (LC-MS Room)

In the LC-MS room, the students were introduced to **UHPLC (Ultra High-Performance Liquid Chromatography)**. The technique is used to identify and quantify non-volatile components of liquid samples with the help of standards.

3.4 Composting and Microbial Technologies

The visit also covered topics related to agriculture and biological approaches to improving soil and crop production. The students learned about composting and the preparation and use of compost-based materials. Composting converts biodegradable organic material into a useful soil amendment and can contribute to sustainable agricultural practices. The main objective is to speed up the degradation of biodegradable waste in low-temperature areas.

Some of the products developed by CSIR-IHBT that were introduced to the students are listed below.

Product	Key features
Compost Booster	Contains cold-tolerant hydrolytic bacteria. Enriched with plant growth regulators (PGRs). Reduces foul odour; the manure formed is rich in phytonutrients such as NPK.
Free Flowing Decomposer	Effective at cold temperatures. Contains hydrolytic bacteria. Rich in phytonutrients.
Advanced Microbial Consortia for Sustainable Farming	Introduced as part of the institute's microbial products for agriculture.



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3.5 Cultivation of Non-Native and High-Demand Plants

Another important part of the visit was the information provided about growing plants that are not native to the area.

Monk Fruit, which is about 300 times sweeter than sucrose and contains very few calories, is being cultivated at CSIR-IHBT. It was imported from China through the National Bureau of Plant Genetic Resources (NBPGR).

CSIR-IHBT is also working to improve the production of plants that are in high demand but low production in India. A prominent example is **Saffron**:

Annual demand in India	Annual production in India	Strategy
About 100 tonnes	9 – 13 tonnes	Grow saffron in cold areas to improve production and reduce imports

3.6 Medicinal and Aromatic Plants

Another important part of the visit was the discussion on medicinal and aromatic plants and their useful products. The students learned about plants and products associated with research and commercial applications, including:

- Cinnamon
- Kangra tea
- Stevia
- Fritillaria
- Various other medicinal plants and plant-derived bioactive compounds

Stevia

The students were introduced to Stevia and its sweet-tasting compounds, the steviol glycosides. Such plant-derived compounds have applications as natural sweetening agents.

Essential Oils

The importance of essential oils was also discussed. Essential oils obtained from aromatic plants have applications in areas such as fragrance, flavouring, cosmetics and other commercial products. The discussion also highlighted the economic potential of medicinal and aromatic plants.

3.7 Molecular Genetics and Genomics Laboratory

During the visit, information was provided about the study of various economically and medicinally important plants, including tea, Stevia and other medicinal plants.



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- **Tea** was discussed in relation to its naturally occurring pigments and bioactive compounds, including anthocyanins.
- **Stevia** – the students learned about its important sweet-tasting compounds.
- **Brahmi** – modern analytical techniques such as HPLC can be used for the characterisation and analysis of compounds obtained from medicinal plants.
- **Fritillaria** – an important medicinal plant, discussed particularly in relation to its traditional use as a remedy for cough and respiratory ailments.

An important part of the visit was the introduction to molecular genetics and modern molecular biology techniques. The students learned about several instruments and techniques used in biological research:

Technique / Instrument	Purpose
Agarose gel electrophoresis	Separation and analysis of DNA fragments
PCR (Polymerase Chain Reaction)	Amplification of particular DNA sequences
Centrifugation	Separation of the components of samples
DNA sequencing	Determination of genetic sequence information
High-throughput sequencing (NovaSeq 6000 platform)	Generation and analysis of large amounts of genetic sequence information

These techniques demonstrated how modern molecular biology is used to study plants and other biological resources at the genetic and molecular level. With this last visit at CSIR-IHBT, the students headed back to CSKHPKV for lunch at 1:30 PM.

Key Takeaways – CSIR-IHBT

- Bioactive compounds are extracted, separated by column chromatography and characterised by NMR.
- UHPLC is used to identify and quantify non-volatile components of liquid samples.
- Cold-tolerant microbial products help speed up composting in low-temperature regions.
- Cultivating non-native, high-demand plants such as monk fruit and saffron can reduce dependence on imports.
- PCR, gel electrophoresis and high-throughput sequencing are central to modern plant molecular biology.
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Some Glimpses





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4. Visit to CSKHPKV, Palampur

The students visited **Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV), Palampur**, an agricultural university. The programme at the university consisted of an interaction session with the staff, a visit to the exhibits of agricultural products and equipment, and a tour of the University Museum.

4.1 Interaction with University Staff

At 2:20 PM, an interaction with the staff of CSKHPKV was organised in the Seminar Hall of the Director of Extension Education (DEE). The main topics covered are described below.

History and Development of the University

The officials explained the history and development of the university. The students were informed about the establishment of the institution and the important milestones in its growth.

Academic Programmes and Admissions

Information was also provided about the university's academic programmes and admission system. The students learned about **CUET-based admission** and the range of disciplines offered by the university. The discussion also included the changes and developments in higher education associated with **NEP 2020**.

Agricultural Research and Development

An important part of the seminar was the discussion of the university's research activities. The university undertakes research aimed at developing and improving agricultural practices and varieties suitable for the region, including research related to tea and other agricultural crops. The students learned that agricultural research can help develop improved varieties and technologies that are better adapted to local conditions. The role of agricultural research in improving farm productivity and farmers' livelihoods was also highlighted.

Protected Farming

The students were introduced to the concept of protected farming. Protected cultivation involves growing crops under controlled or partially controlled conditions, such as structures that protect plants from unfavourable environmental conditions. This method can help farmers manage growing conditions and improve the production of suitable crops.

Natural Farming

Another important topic was natural farming. The students learned about approaches that reduce dependence on synthetic agricultural inputs and emphasise more sustainable methods of crop production.

Nano-fertilizers

The discussion also included the use of nano-fertilizers in agriculture. Such technologies are being explored as part of modern approaches to improving nutrient-use efficiency and agricultural productivity.



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4.2 Exhibits of Agricultural Products and Equipment

After the seminar, the students visited the area where different agricultural products, seeds, machines and other materials were displayed. The students observed different types of seeds and agricultural equipment and learned about their practical importance. This provided a better understanding of how scientific research and agricultural technology are translated into useful resources for farmers.

4.3 University Museum

During the visit to CSKHPKV, the students also visited the University Museum. The museum provided a visual and practical understanding of the university's activities in agriculture, research, extension education and the study of the natural resources of Himachal Pradesh.

The museum is designed as a representation of the work carried out by different departments and research stations of the university. Its displays consist of live samples, seeds, models, charts, photographs, implements, literature and research-related materials.

One of the interesting aspects of the museum was its representation of the **flora and fauna of Himachal Pradesh**. The displays also cover different soil types and rock types associated with the geographical regions of the state, along with preserved specimens of aquatic fauna.

The museum also demonstrates the **development of agricultural technology and farm mechanisation**. Traditional as well as modern agricultural implements are displayed, helping visitors understand how farming practices and agricultural technology have developed over time.

Another important feature is the presentation of the university's **research and extension activities**. The museum brings together information from the different constituent colleges, research stations and the Directorate of Extension Education, showing how scientific research is transferred into practical agricultural applications. It also contains information about agricultural schemes and their outcomes, which helped the students understand how agricultural research, government initiatives and improved farming practices can contribute to the development of farming communities.

A **farmers' section** presents information about successful farmers and examples of improved farming practices that have contributed to better livelihoods.

The displays helped the students understand the importance of:

- Conservation and utilisation of plant and animal resources
- Agricultural biodiversity of Himachal Pradesh
- Soil and natural resources
- Crop varieties and seeds
- Traditional and modern agricultural implements
- Farm mechanisation
- Agricultural research and extension



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4.4 Crop Diseases and Plant Pathology

One of the main sections observed by the students related to different crops and the diseases affecting them. The displays helped the students understand that crops such as wheat, rice, maize, pea, tomato, capsicum, cabbage, cauliflower and other horticultural crops can be affected by different pathogens. Examples of the diseases discussed are given below.

Crop	Diseases discussed
Wheat	Yellow rust, powdery mildew
Rice	Blast disease, brown spot
Maize	Leaf blight
Apple	Scab, collar rot
Tomato, capsicum, brinjal and other vegetables	Bacterial wilt

These examples demonstrate why the identification and management of plant diseases are important for maintaining agricultural productivity. The university's Plant Pathology research includes work on identifying and managing diseases and on developing approaches for protecting crops.

4.5 Development of Disease-Resistant Crops

One of the most interesting aspects of the visit was learning about the development of disease-resistant crop varieties. Disease resistance is an important objective of plant breeding. Scientists identify plants showing natural resistance to particular diseases and use them in breeding programmes. Through selection and hybridisation, improved varieties can be developed that possess desirable characteristics such as higher yield, better quality, adaptation to local conditions and resistance to diseases.

CSKHPKV has carried out research on several crops in this area:

Crop	Research on disease resistance
Pea	Resistance to powdery mildew, an important disease of pea crops; resistance to root-rot and wilt disease complexes in garden pea.
Rice	Rice varieties resistant to blast disease have been developed for cultivation under Himachal Pradesh conditions. This is significant because blast is one of the major diseases capable of reducing rice production.
Wheat	Resistance to diseases such as rust and powdery mildew.
Other crops	Maize, tomato, capsicum, cabbage, cauliflower, apple and other horticultural crops are also grown and studied; research and extension programmes address crop productivity as well as pest and disease management.



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When a crop variety has resistance against a particular pathogen, the disease causes less damage to the crop, which helps farmers maintain more stable production. Disease-resistant varieties can also:

- Reduce crop losses caused by plant pathogens.
- Help maintain better crop productivity.
- Reduce dependence on repeated chemical disease-control measures.
- Provide farmers with varieties better suited to particular agricultural conditions.
- Contribute to more sustainable crop production.
- Support food security by reducing losses caused by diseases.

The university's agricultural research programme includes crop improvement, integrated pest and disease management, seed production and the development of efficient crop varieties, showing the importance given to these areas.

Key Takeaways – CSKHPKV

- The university links agricultural research, education and extension to the needs of farmers.
- Protected farming, natural farming and nano-fertilizers are being explored to improve productivity sustainably.
- Disease-resistant varieties reduce crop losses and the need for repeated chemical control.
- The museum showcases the biodiversity, resources and agricultural heritage of Himachal Pradesh.

5. Visit to Science Centre, Palampur

5.1 About the Science Centre

After completing the visit to CSKHPKV, the group proceeded to the **Science Centre, Palampur**, located near Holta on the Mandi–Pathankot National Highway. The Science Centre is a unit of the **National Council of Science Museums (NCSM), Ministry of Culture, Government of India**, and is the first science centre established in Himachal Pradesh. It was developed with the aim of promoting scientific awareness and developing scientific temper among people.

5.2 Science Park

The centre also has an outdoor Science Park. The exhibits are arranged in a landscaped area, allowing visitors to learn scientific concepts while exploring the surroundings. A large Tyrannosaurus rex model near the entrance is one of the attractions of the park.



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5.3 Fun Science Gallery

One of the major attractions was the Fun Science Gallery. It contains hands-on exhibits demonstrating concepts from **mechanics, optics, acoustics, fluidics and electromagnetism**. These exhibits showed how scientific principles operate in everyday situations and made the learning experience more interesting and practical. Scientific principles can be observed and explored through simple experiments and demonstrations.

5.4 Science Demonstration Lecture

A science demonstration lecture was also organised for the students. It included the following demonstrations:

- A base indicator
- An explanation of pressure using liquid nitrogen
- Balancing approximately 11 iron nails on a pointed wooden platform
- Changing the size of two arches of similar radii

5.5 Untamed Earth Gallery

The students also learned about the Untamed Earth Gallery, which focuses particularly on the geological and environmental conditions of the Himalayan region. Since Himachal Pradesh lies in a tectonically active region, the gallery explains natural phenomena and disasters such as **earthquakes, landslides, flash floods, avalanches and forest fires**.

Through interactive displays and visual presentations, the gallery explains the scientific processes behind these natural events and also introduces ideas related to disaster awareness and preparedness.

At 5:45 PM, the group left the Science Centre for CSKHPKV and stayed there for the night.



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Some Glimpses





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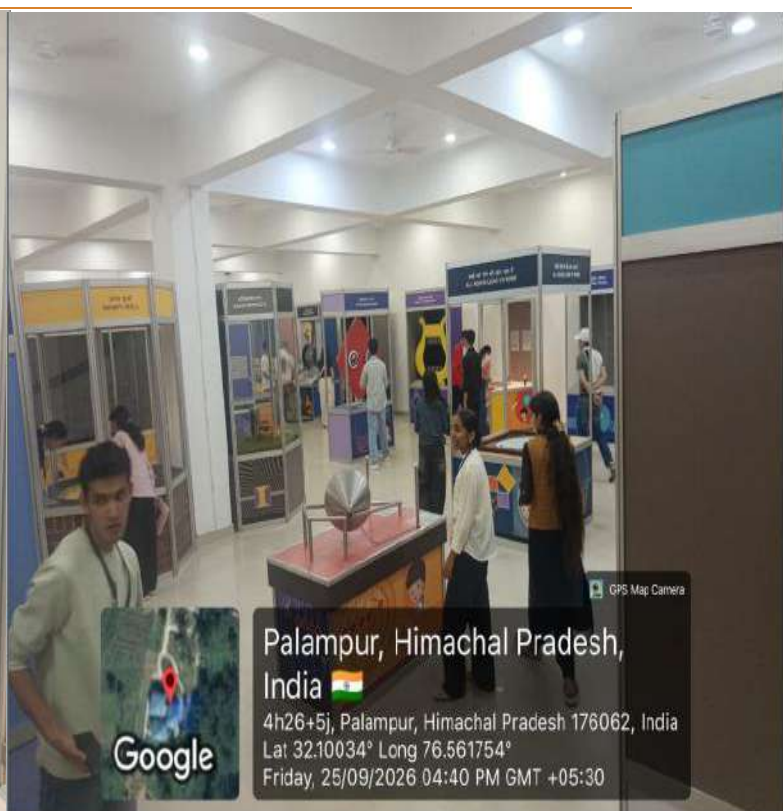
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6. Key Learning Outcomes

The tour allowed the students to connect classroom learning with real-world scientific and agricultural practice. The principal learning outcomes at each institution are summarised below.

Institution	Learning outcomes
CSIR-IHBT	Understanding of the extraction, separation and characterisation of bioactive compounds using column chromatography, NMR, UHPLC and HPLC. Awareness of composting technologies suited to cold regions. Knowledge of the cultivation of non-native and high-demand plants such as monk fruit and saffron. Introduction to medicinal and aromatic plants, essential oils and molecular biology techniques such as PCR, gel electrophoresis and high-throughput sequencing.
CSKHPKV	Awareness of the university's history, academic programmes, CUET-based admission and the impact of NEP 2020. Understanding of protected farming, natural farming and nano-fertilizers. Knowledge of major crop diseases and the development of disease-resistant varieties. Appreciation of the state's biodiversity, natural resources and agricultural technology through the museum.
Science Centre, Palampur	Hands-on understanding of scientific principles in mechanics, optics, acoustics, fluidics and electromagnetism. Exposure to live science demonstrations. Awareness of natural hazards in the Himalayan region and of disaster preparedness.



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7. Conclusion

The educational tour to Palampur, organised by the Science Stream of Government College Karsog, was a valuable and enriching experience for the students. Over two days, the group visited CSIR-IHBT, CSKHPKV and the Science Centre, Palampur, and gained first-hand exposure to research laboratories, agricultural research and extension, and interactive science education.

At CSIR-IHBT, the students saw how modern analytical and molecular techniques are used to study, cultivate and utilise medicinal and aromatic plants. At CSKHPKV, they learned how agricultural research, from disease-resistant varieties to protected and natural farming, is translated into benefits for farmers and for the state. At the Science Centre, they experienced scientific principles through hands-on exhibits and demonstrations, and learned about the natural phenomena of the Himalayan region.

The tour helped the students bridge the gap between theoretical knowledge and practical application, and encouraged scientific curiosity and awareness of career and study opportunities in science and agriculture. The Science Stream places on record its sincere thanks to the accompanying faculty members and to the host institutions for making the tour a success.

By:

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Student List, other Documents and News Cuttings

Student Name	Class	Roll. No.	Phone number	Guardian
Shivali Sharma	BSC 3rd year	BSC/24/LSC/2001	9418049708	Bihari Lal Sharma
Jyoti Devi	BSC 3rd year	BSC/24/LSC/2510	9805119602	Yog Raj
Meetu Guleria	BSC 3rd year	BSC/24/LSC/2003	7876231947	Seema Devi
Priyanshu Sharma	BSC 3rd year	BSC/24/LSC/2504	8580787026	Chandan Lal Sharma
Gayatri	BSC 3rd year	BSC/24/LSC/2501	9459754297	Ram Dass
Anjali Thakur	BSC 3rd year	BSC/24/LSC/2503	8627856098	Sheela Thakur
Deepak	BSC 3rd year	BSC/24/LSC/2002	8988634947	Surjeet Kumar
Sakshi	BSC 3rd year	BSC/24/PSC/1003	9317518408	Dev Raj
Chandersh	BSC 3rd year	BSC/24/PSC/504	9805843700	Mahendr Lal
Akanksha	BSC 3rd year	BSC/24/PSC/506	8091334205	Budhi Singh
Ketan	BSC 3rd year	BSC/24/PSC/507	9816908666	Yuvraj
Kalpana	BSC 3rd year	BSC/24/PSC/1505	9817195526	Vijay Kumar Sharma
Anamika	BSC 3rd year	BSC/24/PSC/1502	8580555701	Khemraj
Nancy	BSC 3rd year	BSC/24/PSC/1501	9317431841	Uma Dutt Verma
Mukul	BSC 3rd year	BSC/24/PSC/04	6230004657	Dharam Chand
Bhaskar	BSC 3rd year	BSC/24/PSC/509	6230161547	Pyar Singh
Tammana	BSC 2nd year	BSC/25/LSC/2514	9015933460	Nardu Ram
Bhavya	BSC 2nd year	BSC/25/LSC/2004	9015211366	Naresh kumar
Jatin	BSC 2nd year	BSC/25/LSC/2001	7876028365	Sita Ram
Priyanshi	BSC 2nd year	BSC/25/PSC/1003	8580592094	Kamal Kant Sharma
Sapana	BSC 2nd year	BSC/25/PSC/02	7876849966	Om krishan
Sanjana	BSC 2nd year	BSC/25/PSC/1002	8091037451	Surat Ram
Pranchal	BSC 2nd year	BSC/25/Psc/01	7018401537	Inderjeet
Ishita	BSC 2nd year	BSC/25/LSC/2515	8894586558	Pinki Guleria
Himani	BSC 2nd year	BSC/25/LSC/2015	9317700852	Hima ram
Anshika	BSC 2nd year	BSC/25/Psc/506	8091503230	Gokul ram
Kanav	BSC 2nd year	BSC/25/PSC/1513	8219704976	Chuni Lal
Saurab Thankur	BSC 2nd year	BSc/25/PSc/1501	8091457225	Dinesh Kumar
Chetan	BSC 2nd year	BSC/25/PSC/	9816722190	
Anu	BSC 1st year	BSC/26/LSC/2009	7018429449	Devi Singh
kartik	BSC 3rd year	BSC/24/LSC/2013	7018199205	Tegi Ram
Tushar	BSC 3rd year	BSC/24/PSC/1002	7807176030	Bhupendr Kumar

News Cuttings:



शिमला, रविवार, 27 सितंबर, 2026

राजकीय महाविद्यालय करसोग के विज्ञान विभाग के छात्रों ने किया शैक्षणिक भ्रमण



करसोग, (राज सोनी)। राजकीय महाविद्यालय करसोग के बीएससी (विज्ञान) के 33 छात्रों ने 25-26 सितंबर 2026 को दो दिवसीय शैक्षणिक भ्रमण पर जाने का अवसर प्राप्त किया। यह भ्रमण विज्ञान विभाग द्वारा आयोजित किया गया, जिसका उद्देश्य छात्रों को आधुनिक वैज्ञानिक अनुसंधान, उच्च शिक्षा संस्थानों और विज्ञान तकनीक के विकास से सीधे परिचित कराना था। भ्रमण का पहला पड़ाव प्रतिष्ठित इंस्टीट्यूट ऑफ हिमालयन बायोरिसोर्स टेक्नोलॉजी, पालमपुर

था। यहाँ छात्रों ने जैव प्रौद्योगिकी के क्षेत्र में हो रहे अत्याधुनिक अनुसंधान को करीब से देखा। संस्थान के वैज्ञानिकों ने छात्रों को बायोटेक्नोलॉजी, जैव विविधता संरक्षण और हिमालयी जड़ी-बूटियों के औषधीय उपयोग पर विस्तृत जानकारी दी। छात्रों ने प्रयोगशालाओं का भ्रमण किया और वैज्ञानिक उपकरणों के कार्यप्रणाली को समझा। दूसरे दिन छात्रों ने चौधरी सरवण कुमार (एड्यु) कृषि विश्वविद्यालय, पालमपुर का भ्रमण किया। यहाँ उन्होंने कृषि विज्ञान, बागवानी,

बानिकी और पशु पालन के क्षेत्र में चल रहे अनुसंधान कार्यों को देखा। विश्वविद्यालय के अधिकारियों ने छात्रों को उच्च शिक्षा की संभावनाओं और कृषि विज्ञान के करियर विकल्पों के बारे में मार्गदर्शन दिया। इसके बाद छात्रों ने साईंस सिटी का भ्रमण किया, जहाँ उन्होंने विज्ञान और प्रौद्योगिकी के विभिन्न पहलुओं को मनोरंजक और शैक्षणिक तरीके से समझा। यहाँ प्रदर्शित विज्ञान मॉडलों और इंटरैक्टिव प्रदर्शनियों ने छात्रों की वैज्ञानिक जिज्ञासा को और बढ़ाया। इस भ्रमण का मुख्य उद्देश्य छात्रों को कक्षाओं से बाहर निकालकर व्यावहारिक ज्ञान देना था। डॉ. लोमेश्वर, डॉ. वीरेंद्र और सहायक आचार्य सोनिया चौधरी सहित संकाय सदस्यों ने पूरे भ्रमण में छात्रों का मार्गदर्शन किया। संकाय सदस्यों ने बताया कि ऐसे भ्रमण छात्रों के समग्र विकास में महत्वपूर्ण भूमिका निभाते हैं।



करसोग टुडे

स्थानीय खबरें, आपके द्वार

शिक्षा से विकास,
विज्ञान से विश्वास



राजकीय महाविद्यालय करसोग के विज्ञान विभाग के छात्रों का दो दिवसीय शैक्षणिक भ्रमण

दिनांक
25-26
सितंबर 2026

करसोग - राजकीय महाविद्यालय करसोग के बीएससी (विज्ञान) के 33 छात्रों ने 25-26 सितंबर 2026 को दो दिवसीय शैक्षणिक भ्रमण पर जाने का अवसर प्राप्त किया। यह भ्रमण विज्ञान विभाग द्वारा आयोजित किया गया, जिसका उद्देश्य छात्रों को आधुनिक वैज्ञानिक अनुसंधान, उच्च शिक्षा संस्थानों और विज्ञान तकनीक के विकास से सीधे परिचित कराना था।




करसोग टुडे

भ्रमण के मुख्य आकर्षण

पहला दिन : IHBT पालमपुर

प्रतिष्ठित इंस्टीट्यूट ऑफ हिमालयन बायोरिसोर्स टेक्नोलॉजी (CSIR-IHBT), पालमपुर में छात्रों ने जैव प्रौद्योगिकी के क्षेत्र में हो रहे अत्याधुनिक अनुसंधान को करीब से देखा। वैज्ञानिकों ने बायोटेक्नोलॉजी, जैव विविधता संरक्षण और हिमालयी जड़ी-बूटियों के औषधीय उपयोग पर विस्तृत जानकारी दी।

दूसरा दिन : CSK कृषि विश्वविद्यालय

चौधरी सरवण कुमार (CSK) कृषि विश्वविद्यालय, पालमपुर में कृषि विज्ञान, बागवानी, वानिकी और पशु पालन के क्षेत्र में चल रहे अनुसंधान कार्यों को देखा। अधिकारियों ने उच्च शिक्षा की संभावनाओं और कृषि विज्ञान के करियर विकल्पों के बारे में मार्गदर्शन दिया।

साईंस सिटी का भ्रमण

छात्रों ने साईंस सिटी का भ्रमण किया, जहाँ विज्ञान और प्रौद्योगिकी के विभिन्न पहलुओं को मनोरंजक और शैक्षणिक तरीके से समझा। यहाँ प्रदर्शित विज्ञान मॉडलों और इंटरैक्टिव प्रदर्शनियों ने छात्रों की वैज्ञानिक जिज्ञासा को और बढ़ाया।

संकल्पना और उद्देश्य

इस भ्रमण का मुख्य उद्देश्य छात्रों को कक्षाओं से बाहर निकालकर व्यावहारिक ज्ञान देना था। डॉ. लोमेश्वर, डॉ. वीरेंद्र और सहायक आचार्य सोनिया चौधरी सहित संकाय सदस्यों ने पूरे भ्रमण में छात्रों का मार्गदर्शन किया।

छात्रों की प्रतिक्रिया

भ्रमण में शामिल छात्रों ने कहा कि इस अनुभव से उन्हें वैज्ञानिक अनुसंधान की गहरी समझ मिली और उनकी जिज्ञासा और बढ़ गई। उन्होंने महाविद्यालय प्रशासन और संकाय सदस्यों का आभार व्यक्त किया कि उन्हें इस तरह के अनुभवी शैक्षणिक भ्रमण का अवसर दिया गया।

समापन

दो दिवसीय शैक्षणिक भ्रमण 26 सितंबर 2026 को सफलतापूर्वक संपन्न हुआ। यह भ्रमण छात्रों के लिए अत्यंत लाभदायक रहा और उन्हें वैज्ञानिक सोच विकसित करने में महत्वपूर्ण योगदान दिया। महाविद्यालय प्रशासन ने भविष्य में भी ऐसे भ्रमण आयोजित करने की योजना बनाई है।

सीखें समझें आगे बढ़ें

सभी छात्रों एवं संकाय सदस्यों को सफल शैक्षणिक भ्रमण के लिए हार्दिक बधाई एवं शुभकामनाएं।

ज्ञान से विकास, विज्ञान से विश्वास

खबरें और विज्ञापन के लिए संपर्क करें : करसोग टुडे



GOVERNMENT COLLEGE KARSOG

Karsog, District Mandi, Himachal Pradesh

To
The Principal
Government College Karsog
District Mandi, Himachal Pradesh

Subject: Seeking permission for educational study tour of B.Sc. science students to CSIR-IHBT and CSK HPKV, Palampur

Respected Sir,

I respectfully submit that the Department of Sciences, Government College Karsog, proposes to organize an educational study tour for the students of B.Sc. Botany to CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT), Palampur, and Chaudhary Sarwan Kumar Himachal Pradesh KrishiVishvavidyalaya (CSK HPKV), Palampur.

The proposed educational visit aims to provide students with first-hand exposure to contemporary research, advanced laboratory facilities, scientific instrumentation, plant sciences, chemical sciences biotechnology, biodiversity, Himalayan bioresources, agricultural research and agrotechnology. The visit will supplement classroom teaching and enable students to gain practical knowledge of various aspects of plant and biological sciences.

The study tour is proposed for 25th, and 26th September 2026, subject to confirmation of the programme and availability of the concerned institutes. The tour will be conducted under the supervision of faculty members of the Department of Botany, ensuring proper discipline, safety and welfare of the participating students. In view of the academic significance of the proposed visit, it is therefore requested that kind permission may kindly be accorded to organize the educational study tour to CSIR-IHBT and CSK HPKV, Palampur, on the above-mentioned tentative dates.

Submitted for your kind consideration and approval along with list of students.

Yours faithfully,

Dr. Lomeshwar

Dr. Virender
Faculty Member
Department of Botany
Department of Physics
Government College Karsog
Date: 15th September, 2026
Place: Karsog

Allowed as per DHE norms
Dr. Lomeshwar

Email: gckarsog-hp@nic.in Phone/Fax No. 01907222116 website: www.gckarsog.edu.in

No. EDN/GDC/Joining & Relieving/02/2016-321329
Office of the Principal
Govt. College Karsog
Distt. Mandi H.P.

Place Karsog Dated 23/09/2026

OFFICE ORDER

In view of the permission/confirmation received from CSIR-IHBT and CSKHPKV, Palampur, an educational study tour of 32 B.Sc. students of this college is hereby permitted on 25th & 26th September, 2026.

The following faculty members are hereby deputed to accompany the students:

1. Dr. Lomeshwar, Assistant Professor, Botany – Tour In-charge
2. Dr. Virender Thakur, Assistant Professor, Physics
3. Ms. Sonia Chaudhary, Assistant Professor, Hindi

The deputed faculty members shall ensure proper discipline, safety, security and welfare of the participating students throughout the tour and shall ensure strict compliance with the rules and instructions of CSIR-IHBT and CSKHPKV, Palampur.

Dr. Lomeshwar, Tour In-charge, shall coordinate with the concerned authorities of both institutions and ensure the smooth conduct of the educational tour.

This order come to the force with effect from 24/09/2026.

Principal
Government College Karsog
District Mandi, Himachal Pradesh

Copy to:

1. Scientist Incharge (Training), Directorate of Extension Edu. CSKHPKV, Palampur for further information.
2. CSIR-IHBT, Palampur, for further information.
3. The concerned faculty members for information and necessary action.
4. Office Record.

Principal
Govt. Degree College
Karsog, Distt. Mandi, Himachal Pradesh



GOVERNMENT COLLEGE KARSOG

Karsog, District Mandi, Himachal Pradesh

Directorate of Extension Education
Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya
Palampur - 176062

No QSD/3-23/Tech/DEE/CSKHPKV/ 3799-2808
To

Dated, Palampur the 19/9/2026

The Principal
Government College, Karsog
District Mandi, Himachal Pradesh

Subject: Request for Agricultural Visit and Accommodation at CSKHPKV,
Palampur- Intimation thereof.

Sir,

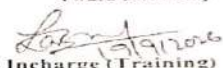
Please refer to your email communication dated 16.9.2026 regarding the proposed agricultural visit of farmers to Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya, Palampur.

In this context, it is to intimate that the competent authority has kindly permitted the agricultural visit of the 35 students to the University Main Campus on 26.09.2026, as per University norms.

Further, the competent authority has also permitted boarding and lodging of the visiting farmers at CSKHPKV, Palampur, w.e.f. 25.09.2026 to 26.09.2026, as per University norms. The applicable rates shall be Breakfast @ ₹75/- per person, Lunch & Dinner @ ₹100/- per person, and Lodging @ ₹100/- per bed per day (Contact Person: 95697 99340).

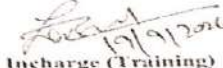
This is for your kind information and necessary action, please.

Yours faithfully


Scientist Incharge (Training)
Directorate of Extension Education
CSKHPKV, Palampur

cc:

1. The Head, Department of Vegetable Science & Floriculture/ Entomology/ Pathology/ Genetics & Plant Breeding/Organic Agriculture & NF, COA, CSKHPKV, Palampur, with the request to depute the concerned scientist for facilitating the agricultural visit of the students on 26.09.2026, please.
2. The Head, Department of Animal Nutrition/Animal Genetics & Breeding/Fisheries, CoVAS, CSKHPKV, Palampur, with the request to depute the concerned scientist for facilitating the visit of the students, as applicable, please.
3. The Incharge, Hospitality Cell, CSKHPKV, Palampur, with the request to arrange boarding and lodging w.e.f. 25.09.2026 to 26.09.2026 for the visiting 35 students and 3 faculty (2 male & 1 female) as per University norms and the rates mentioned above (Contact Person: 95697 99340).
4. Sh. Sanjeev Parmar, Training Associate, ATIC, DEE, CSKHPKV, Palampur, with the request to kindly coordinate and facilitate the agricultural visit of the students on 26.09.2026, as per the programme.


Scientist Incharge (Training)
Directorate of Extension Education
CSKHPKV, Palampur

Dear Sir/Madam,

Greetings from CSIR-IHBT, Palampur !

On the behalf of the Institute, I am happy to intimate that students and faculty members of your College/University are most welcome to visit our Institute on 25.09.2026 as per your request.

Visit Timings:

10.00 AM-1.00 PM
2.00 PM- 5.00 PM

CSIR-IHBT team will make all necessary arrangements for your fruitful and comfortable visit in the Institute.

Kindly note the following points:

- 1) During the visit, you have to abide by the rules and regulations of the CSIR-IHBT.
- 2) Kindly provide the details of students (separate excel sheet for boys and girls).
- 3) Photography and videography is not permitted in the lab premises during your visit, however, it will be done by CSIR-IHBT. These will be used by the Institute for social media, news coverage, other official records and purposes. We will share with you the photos and videos of your visit through email.
- 4) While publishing any news/ matter in any offline/ online media/ social media, wherein the name of Institute i.e. CSIR-IHBT, name of any staff member or Institute related activities are involved, kindly take prior permission from CSIR-IHBT for the same.

Kindly communicate to all of your students to bring their own water bottles.

We are looking forward to meeting you during your visit at CSIR-IHBT.

With warm regards,
Yours sincerely,
Gireesh Nadda