



# Educational Trips Report

## Government College Sanjauli: 2024-25

- ① A comprehensive report documenting the educational trips organized by various departments of Government College Sanjauli during the academic session 2024-25, prepared for Self-Assessment Report (SAR) purposes.

*B. B. B. B.*

Principal,  
COE, Govt. College  
Sanjauli, Shimla-6

# Educational Trip to Manali-Jibhi

## Department of Commerce

The B.Com department organized an educational trip to Manali - Jibhi, from 29-09-2024 to 02-10-2024.

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### Day 1: Manali Exploration

On the first day, we visited Hidimba Temple, situated in Manali and also covered the local market of Manali.

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### Day 3: Trek to Jitwai Pass

The next day we began our journey to Jitwai Pass to start our trek to Bagyupur Pass - HP's Highest Pass. The trek to this Pass began with a 3 km route through oak and rhododendron forest from Jitwai Pass.

The cost of products at these remote locations is relatively higher due to the non-availability of transportation services.

**All in all, it was a knowledgeable, lovely and adventurous experience for all of us.**

DATED - 29-09-2024 TO 02-10-2024

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### Day 2: Valley Tour & Manikaran

The next morning, after reaching places like Solang Valley, Mal, Jumal, Kokla, etc., we travelled to Manikaran and visited its famous Gurudwara, Ancient Shrine Jangh and learning about places that hold spiritual and religious values.

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### Day 4: Pandimpورا Trek

Our next trek was to Pandimpora - a place with rhododendron hills. This place is a field of crops that, according to legend, was cultivated by the Pandavas and remains green and unharvested till date.

# Visit to Shoolini University

## Department of Chemistry & Physics

**DATE:** 23, 24 SEPTEMBER 2024

**LOCATION:** Shoolini University

**ORGANIZED BY:** Department of Chemistry & Physics GC, Sanjauli

## Introduction:

A visit to **Shoolini University** has been done on the date 23, 24 September 2024 organized by the **Department of Chemistry and Physics** under **DBT Star College Scheme**.

## Purpose of the Visit:

The visit to Shoolini University was aimed at understanding the hands on experiment, practical learning, research facilities and overall skills development.

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### Day 1: Interactive Session

On the first day, students had an interactive session with Dr. Rohit who demonstrated about the preparation of **NANOFERRATES**.

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### Day 2: Hands-on Experiment

On the 2nd day, Ms. Himakshi Malik demonstrated through hands on experiment about the preparation of nanoferrates.

## Observations:

- **Library:** The Yogananda Library is well-equipped with both physical and digital resources, providing access to journals, research papers, and books.
- **Research Laboratories:** Advanced research labs, particularly in biotechnology and pharmaceutical sciences, are designed to foster innovation and hands-on learning.
- **Focus on Research:** The university places significant emphasis on research output, encouraging students to engage in cutting-edge projects.
- **Sports Facilities:** The university offers a variety of sports facilities including basketball courts, football grounds

## Interaction with Students and Faculty:

During the visit, several informal discussions were held with both students and faculty members. Some key takeaways include:

- **Student Experience:** Students expressed satisfaction with the quality of education and opportunities for growth. They particularly appreciated the mentorship model and personalized attention from professors.
- **Faculty Insights:** Faculty members highlighted the importance of integrating practical learning experiences with theoretical studies. They are actively involved in not just teaching but guiding students through internships, placements, and research.

## Conclusion

The visit to Shoolini University was insightful and very much productive. It helped a lot to generate the interests of students on skill development and practical learning.

  
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# Visit to Jaypee University Waknaghat

Department of Chemistry



**DATE:** 8th October 2024

**LOCATION:** Jaypee University of Information Technology

**ORGANIZED BY:** Department of Chemistry

## Introduction:

A visit to **Jaypee University** has been done on the date 8th October 2024 organized by the **Department of Chemistry** under **DBT Star College Scheme**. 30 students accompanying two faculty members Mrs. Shalu Chauhan and Mrs. Rita Chandel visited JUIT. We started from Shimla at 8.15am and reached JUIT at 9.30am. We had two sessions there.

## Purpose of the Visit:

The visit to Jaypee University was aimed at understanding the hands-on experiments, practical learning, research facilities and overall skill development.

### Pre-lunch session

Students had an interactive session in the international conference on recent development on **Interfaces of Chemistry, Bio and Material Sciences towards Health and Environment**.

**Prof Ashok Kumar Gupta** started with the highlights of university followed by the interactive lectures by DR.RAJ KUMAR SHARMA, DR. POONAM SHARMA, DR. SUDHEER KUMAR who gave an overview about the Department of Biotechnology. Dr. Anil Prakash Joshi was the Chief guest, who is Padam Shri, Padam Vibhushan awardee.

### Post-lunch session

**Visit to Bio-tech department-** After the lectures, a visit to Biotech Department of the university had been done where students learnt about different instruments like-

- RT-PCR
- UV SPECTROMETER
- SOS
- PH METER

Apart from this the visit to **Microbiology lab, PTC LAB** had also been done which provided students with a lot of practical knowledge about the instruments.



- **Research Laboratories:** Advanced research labs, particularly in biotechnology and pharmaceutical sciences, are designed to foster innovation and hands-on learning.
- **Focus on Research:** The university places significant emphasis on research output, encouraging students to engage in cutting-edge projects.

## Interaction with Students and Faculty:

During the visit, several informal discussions were held with both students and faculty members. Some key takeaways include:

- **Student Experience:** Students expressed satisfaction with the quality of education and opportunities for growth. They particularly appreciated the mentorship model and personalized attention from professors.
- **Faculty Insights:** Faculty members highlighted the importance of integrating practical learning experiences with theoretical studies. They are actively involved in not just teaching but guiding students through internships, placements.



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## Conclusion

The visit to JP University was insightful and very much productive. It helped a lot to generate the interests of students in skill development and practical learning.

# Visit to Science Museum, CSLC, Shoghi

**Date:** 30/11/2024

**Location:** Science Museum, Shoghi

Today, our visit to the Science Museum in Shoghi was an enlightening and engaging experience that combined learning, exploration, and fun-filled activities.



GPS Map Camera

Shimla, Himachal Pradesh, India

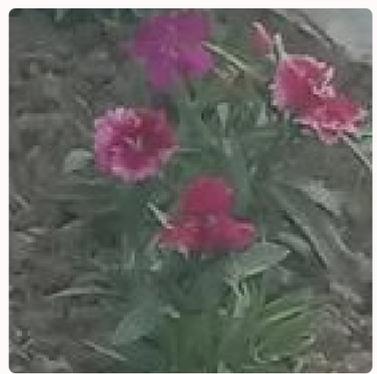
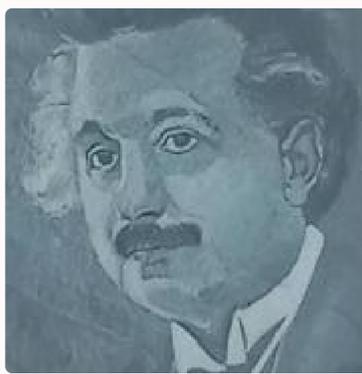
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## Arrival and Initial Observations



Albert Einstein  
Theoretical physicist

We began our visit by exploring the museum grounds, where pictures of eminent scientists like Vikram Sarabhai, Rabindranath Tagore, Raja Kamanam, and M. S. Swaminathan were displayed, along with their thought-provoking quotes. These exhibits set the tone for a day of inspiration and discovery.

## Exploring the Museum



As we navigated through the museum, each floor offered unique insights into the world of science:



### 2nd Floor: Hall of Fame

This floor celebrated the achievements of notable scientists and innovators.

### 3rd Floor: Auditorium

The third floor housed an auditorium where we attended an engaging session. The session covered several exciting topics:

- A presentation by **Mukesh Sir**, who introduced us to the overarching themes of the museum and its exhibits.
- An **ISRO video**, which provided insights into the Indian Space Research Organisation's innovations and contributions to space exploration.
- Information about the **Indian Planetary Society**, which emphasized the importance of public engagement in space science.

# Special Interactions and Learnings at Science Museum

## Special Interactions and Learnings

The auditorium session featured a fascinating talk by **Sam Gibbs**, an eminent astronomer based in Malaysia and co-founder of **Ditanium**. His insights into modern astronomy were enlightening, particularly his explanation of advanced technologies in space observation. Additionally, he showcased the use of filters for astronomical observation.

## Interactive Demonstrations

Sam Gibbs introduced us to several fascinating experiments and technologies:

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### 1. Tesla Box Experiment

He showcased this experiment, demonstrating the principles of electricity and magnetism in an exciting and interactive way.



### 2. Infrared Camera

This device allowed us to see the infrared radiations emitted from our bodies, providing insights into thermal imaging technology.



### 3. Spectrum Glasses

These special glasses enabled us to observe unique spectrums of light, further enhancing our understanding of light and optics.



### 4. Solar Observation

Using a special telescope, we had the incredible opportunity to observe the sun alongside Sam Gibbs, gaining a deeper appreciation for astronomy. He explained that sunspots are temporary regions on the Sun's photosphere that appear darker because they are cooler than the surrounding areas. These cooler temperatures are caused by intense magnetic activity, which inhibits convection and reduces heat flow to the surface.



## Exploration and Exhibits

After the session, we explored various exhibits within the museum. Notable highlights included:

- The "All Cones Go Uphill" experiment demonstrates a fascinating principle of physics involving the **center of gravity** and **optical illusions**.
- **"Bhanvar" (Vortex):** A display explaining vortex formation and dynamics, which captivated our attention.
- Numerous other scientific models and experiments, which deepened our curiosity and understanding of fundamental concepts.

## Adventure and Conclusion

Post museum exploration, we headed to an adventure camp where we enjoyed thrilling activities that tested our physical and mental agility.

Following this, we relished a delightful lunch, and the day concluded on a high note with a jam session, bringing everyone together in a spirit of joy and camaraderie.



## Conclusion

The visit to the Science Museum in Shoghi was a perfect blend of education and entertainment. From observing advanced scientific technologies to engaging in fun-filled activities, the experience was both inspiring and memorable. It left us with a renewed sense of curiosity and a deeper appreciation for the wonders of science.

# Workshop on Biodiversity and Van System

## One Day Workshop and Training Program

**'If Ecosystems are managed well, Biodiversity will be retained and vice versa'**

A one day workshop on 'Biodiversity and Van System' was conducted by HFRI on 24 July 2024. 5 students accompanied by Professor Deepti Gupta got a chance to be a part of this workshop. In the workshop, special emphasis was laid on Ecosystem Management, Forest PLUS program and Van system.



## Forest-PLUS 3.P Program

Forest-PLUS 3.P is a three-year program (December 2023-2024) of the United States Agency for International Development (USAID) and the Ministry of Environment, Forest and Climate Change (MoEFCC). The goal of Forest-PLUS 3.0 is to provide technical assistance that supports the Government of India (GoI) to strengthen sustainable, inclusive and data-driven management of forest landscapes. It will build on, scale up, and institutionalize at a national level the solutions developed and piloted by Forest-PLUS 2.0.

## Van System

Van System is an integrated system comprising a mobile app and a web portal for forest inventory and ecosystem data collection for the preparation of Working Plans.

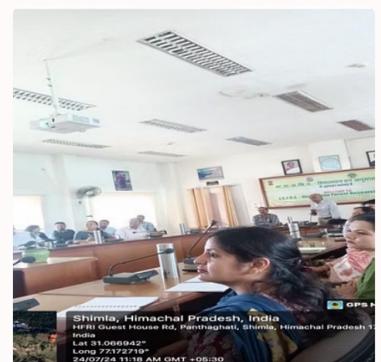
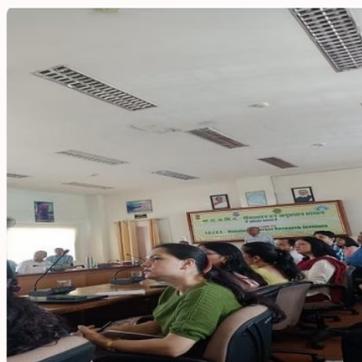
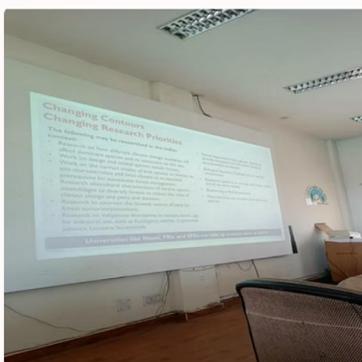
### Advantages of Van System-

1. Equipped with all the data inventory formats needed for Working Plan preparation
2. Increase accuracy of data collection
3. Reduces time and resources required for preparing the Working Plan
4. Creates a data repository for regular monitoring.

## TIGRAM System

TIGRAM- Forest-PLUS 2.0 developed a traceability system TIGRAM (Timber Georeferenced Area Management) for the Kerala SFD to monitor and manage the sale and movement of timber harvested from private land, which is compliant with the provisions of the Kerala Promotion of Tree Growth in Non-Forest Area Act of 2005 and subsequent rules framed under this act. The system makes use of Quick Response (QR) codes that can be easily generated through a secure web-based system and pasted on the logs. The movement of the labelled legal timber can be then monitored by relevant authorities through a secure track-and-trace system.

In the workshop, experts from the very field trained the participants for the use of Van System.



# Our Commitment to Experiential Learning

At Government College Sanjauli, we firmly believe that education extends far beyond the traditional classroom setting. Our dedication to fostering a dynamic learning environment is exemplified by our consistent provision of enriching educational trips and workshops. These opportunities are meticulously designed to complement academic curricula, offering students invaluable real-world experiences that deepen their understanding and ignite their intellectual curiosity.



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