

REPORT ON EDUCATIONAL VISIT TO THE DIGITAL MUSEUM, BANTONY CASTLE, SHIMLA

Organized by: Department of Computer Science

Institution: Centre of Excellence, Government College Sanjauli, Shimla – 171006

Date of Visit: Saturday, 1st August 2026

Target Group: B.Sc. Computer Science (1st, 2nd, and 3rd Year Students)

PERMISSION LETTER

The Honorable
Chairman of the Board, Government College Sanjauli, Shimla

Subject: Request for Permission to Organize an Educational Visit to the Digital Museum at Bantony Castle, Shimla.

Respected Sir,

I am pleased to inform you that the Department of Computer Science has organized an educational visit to the Digital Museum at Bantony Castle, Shimla, on Saturday, 1st August 2026. The purpose of this visit is to provide the students with a practical understanding of the digital world and its applications. The visit will be conducted under the supervision of the faculty members of the Department of Computer Science. The students will be provided with a detailed itinerary and a list of items to be observed during the visit. The visit will be conducted in a disciplined manner and the students will be expected to maintain cleanliness and behave responsibly during the visit. The visit will be conducted in two shifts: Morning Attendance: At the college before the commencement of the visit. Evening Attendance: At the end of the educational visit. All students are directed to adhere strictly to the above instructions. The visit will be conducted in a disciplined manner and the students will be expected to maintain cleanliness and behave responsibly during the visit. The visit will be conducted in two shifts: Morning Attendance: At the college before the commencement of the visit. Evening Attendance: At the end of the educational visit. All students are directed to adhere strictly to the above instructions.

Yours faithfully,
Principal
Govt. College Sanjauli, Shimla-6

NOTICE

CENTRE OF EXCELLENCE GOVERNMENT COLLEGE, SANJAULI, SHIMLA
Department of Computer Science

NOTICE

Date: 30 July 2026

Educational Visit to Digital Museum, Bantony Castle, Shimla

All the students of B.Sc. Computer Science 1st, 2nd, and 3rd Year are hereby informed that an educational visit to the Digital Museum, Bantony Castle, Shimla has been organized on 1 August 2026. All participating students are directed to give their names to Mr. Tek Chand in the Computer Science Laboratory on 31 July 2026. No registration fee will be charged from the students. Students must assemble in the Computer Science Laboratory at 10:00 a.m. on 1 August 2026. They are required to carry their College Identity Card. Students are further instructed to maintain proper discipline throughout the visit and follow all instructions given by the faculty members. They must not litter or cause any damage inside the museum premises. All students are expected to maintain cleanliness and behave responsibly during the visit.

Attendance will be taken in two shifts:

1. Morning Attendance: At the college before the commencement of the visit.
2. Evening Attendance: At the end of the educational visit.

All students are directed to adhere strictly to the above instructions.

HOD
Department of Computer Science
Centre of Excellence, Government College, Sanjauli, Shimla

Principal
GOVT. COLLEGE SANJAULI, SHIMLA-6 (H.P.)

Principal
GC Sanjauli, Shimla-6

Introduction

On **1st August 2026**, the Department of Computer Science, Centre of Excellence, Government College Sanjauli, Shimla organized a one-day educational visit to the **Digital Museum at Bantony Castle, Shimla**. A total of **96 students** from B.Sc. Computer Science (1st, 2nd, and 3rd Year) participated in the tour, accompanied by two Assistant Professors and a laboratory staff member.

The main objective of the visit was to offer students practical exposure to cutting-edge multimedia and software technologies—such as Virtual Reality (VR), Augmented Reality (AR), Projection Mapping, and Interactive Digital Displays—and to demonstrate how these tools are utilized for cultural heritage preservation and digital storytelling. The trip was conducted on foot as an eco-friendly initiative, combining experiential learning with physical wellness and civic awareness.

OBJECTIVES OF THE VISIT

The educational tour was designed to bridge the gap between theoretical classroom concepts and real-world technological implementations. The specific objectives included:

- **Practical Tech Exposure:** Understanding how Virtual Reality (VR), Augmented Reality (AR), Artificial Intelligence (AI), and Human-Computer Interaction (HCI) are integrated into real-world applications.
- **Cultural Preservation through CS:** Observing how modern software engineering and computer graphics preserve and present the rich history and heritage of Himachal Pradesh.
- **Interactive Media Study:** Analyzing interactive digital installations, holographic displays, and multi-projection mapping systems from a software and design architecture perspective.
- **Career Awareness:** Exposing students to emerging career pathways in interactive media, digital preservation, game development, and immersive tech design.

TECHNICAL & EDUCATIONAL HIGHLIGHTS

During the visit, students actively analyzed several key computer science concepts in action:

1. **Virtual Reality (VR) & Augmented Reality (AR):** Students experienced head-mounted displays and AR overlays that brought historical artifacts to life, illustrating spatial computing and dynamic rendering.
2. **Projection Mapping & Holography:** Visualized 3D surface mapping and light-field representations of Himachali monuments and historical narratives.
3. **Human-Computer Interaction (HCI):** Observed how natural user interfaces (NUI)—such as touchless sensors, gesture controls, and interactive multi-touch displays—enhance visitor engagement.
4. **Digital Archiving & Database Systems:** Learned how physical heritage assets are digitized, cataloged, stored, and retrieved using modern database architectures.

6. KEY LEARNING OUTCOMES ACHIEVED


Principal
GC Sanjauli, Shimla-6

Upon completion of the educational tour, participating students successfully achieved the following outcomes:

- **Applied CS Understanding:** Gained firsthand insight into how core CS sub-fields (graphics, UI/UX, software engineering) power public infrastructure and digital heritage.
- **Technology Demystification:** Experienced firsthand the hardware-software integration required for AR/VR setups.
- **Interdisciplinary Perspective:** Understood how technology serves humanities, art, and historical preservation.
- **Teamwork & Civic Responsibility:** Demonstrated exemplary teamwork, discipline, and environmental responsibility throughout the 4-km total walk.

CONCLUSION & ACKNOWLEDGMENTS

The educational visit to the Digital Museum at Bantony Castle was a resounding success. It provided an enriching experience that successfully bridged classroom computer science theory with state-of-the-art practical applications. The tour not only expanded the technical horizons of the participating students but also cultivated a deeper pride in the cultural legacy of Himachal Pradesh.

NEWS PAPER CUTTING (DIVYA HIMACHAL 02 August, 2026))

विद्यार्थियों ने किया डिजिटल तकनीकों का अवलोकन



शिमला: सेंटर ऑफ एक्सीलेंस राजकीय महाविद्यालय संजौली के छात्र-छात्राएं डिजिटल म्यूजियम के शैक्षणिक भ्रमण के दौरान संयुक्त चित्र में। (नरेश)

शिमला, 1 अगस्त (ब्यूरो): राजकीय महाविद्यालय संजौली के कम्प्यूटर विज्ञान विभाग के बी.एससी. प्रथम वर्ष, द्वितीय वर्ष एवं अंतिम वर्ष के 100 से अधिक विद्यार्थियों ने बैटनी कैसल शिमला स्थित डिजिटल म्यूजियम का शैक्षणिक भ्रमण किया। इस शैक्षणिक भ्रमण का उद्देश्य विद्यार्थियों को आधुनिक डिजिटल तकनीकों, नवाचारों तथा तकनीक आधारित संग्रहालयों की कार्यप्रणाली से परिचित कराना था, जिससे वे अपने अकादमिक ज्ञान को व्यावहारिक अनुभवों के साथ जोड़ सकें। इस अवसर पर विद्यार्थियों के साथ कम्प्यूटर विज्ञान विभाग के प्रोफेसर सुरेंद्र चौहान तथा सहायक आचार्य डा. प्रियंका राणा उपस्थित रही। दोनों शिक्षकों ने विद्यार्थियों का मार्गदर्शन करते हुए उन्हें डिजिटल प्रौद्योगिकी के बदलते स्वरूप, उसके व्यावहारिक अनुप्रयोगों तथा भविष्य में उपलब्ध संभावनाओं के बारे में विस्तार से जानकारी दी।

Principal
Principal
GC Sanjauli, Shimla-6



Centre of Excellence

GOVERNMENT COLLEGE, SANJAULI, SHIMLA

NAAC ACCREDITED 'A+' GRADE INSTITUTE

AFFILIATED TO H.P. UNIVERSITY SHIMLA-5



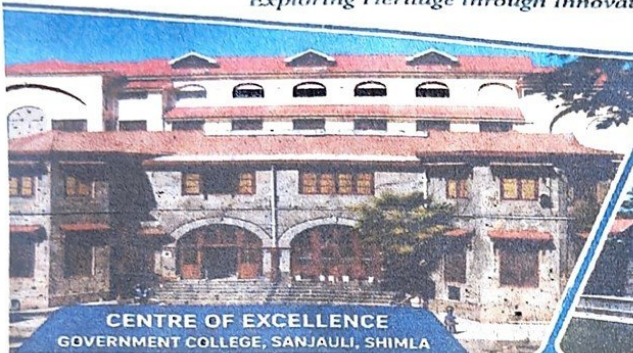
DATE OF VISIT
1 AUGUST
2026

EDUCATIONAL VISIT TO

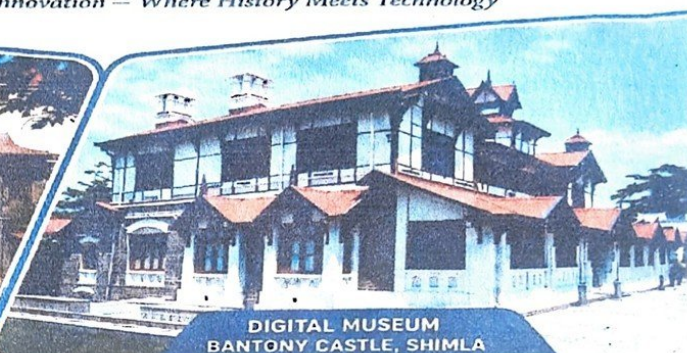
DIGITAL MUSEUM

BANTONY CASTLE, SHIMLA

Exploring Heritage through Innovation — Where History Meets Technology



CENTRE OF EXCELLENCE
GOVERNMENT COLLEGE, SANJAULI, SHIMLA



DIGITAL MUSEUM
BANTONY CASTLE, SHIMLA



DEPARTMENT
Computer Science



CLASSES PARTICIPATING
B.Sc. Computer Science
1st, 2nd & 3rd Year



JOURNEY DETAILS
Centre of Excellence
College, Sanjauli → Digital Museum,
Bantony Castle, Shimla



TECHNOLOGY EXPLORED AT THE DIGITAL MUSEUM

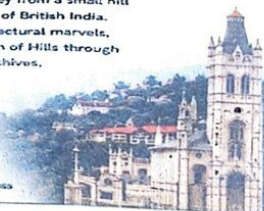
- Immersive Digital Storytelling & Projection Mapping
- Virtual Reality (VR) Heritage Experiences
- Augmented Reality (AR) Interactive Exhibits
- AI-Powered Guided Tours & Smart Kiosks
- 3D Holographic Displays & Digital Reconstructions
- Motion-Sensing Interaction & Gesture Recognition
- Multisensory Engagement (Touch, Sound & Light)
- Cloud-Based Digital Archives & Smart Curation
- Real-time Data Visualization & Historical Timelines
- Next-Gen Museum Evolution: Preserving Past, Inspiring Future



HISTORY OF SHIMLA EXPLORED THERE

Discover Shimla's fascinating journey from a small hill settlement to the Summer Capital of British India. Explore the colonial legacy, architectural marvels, and cultural evolution of the Queen of Hills through immersive digital exhibits, rare archives, and interactive storytelling.

- Origins & Early Settlements
- British Era & Summer Capital Legacy
- Architectural Heritage & Landmarks
- Cultural Evolution & Local Traditions
- Freedom Movement & Historical Milestones
- Modern Shimla: A Blend of Heritage & Progress



Learning Beyond Classroom, Inspiring Future Innovators

SOME GLIMPSE OF THE EVENT



Google

Shimla, Himachal Pradesh, India

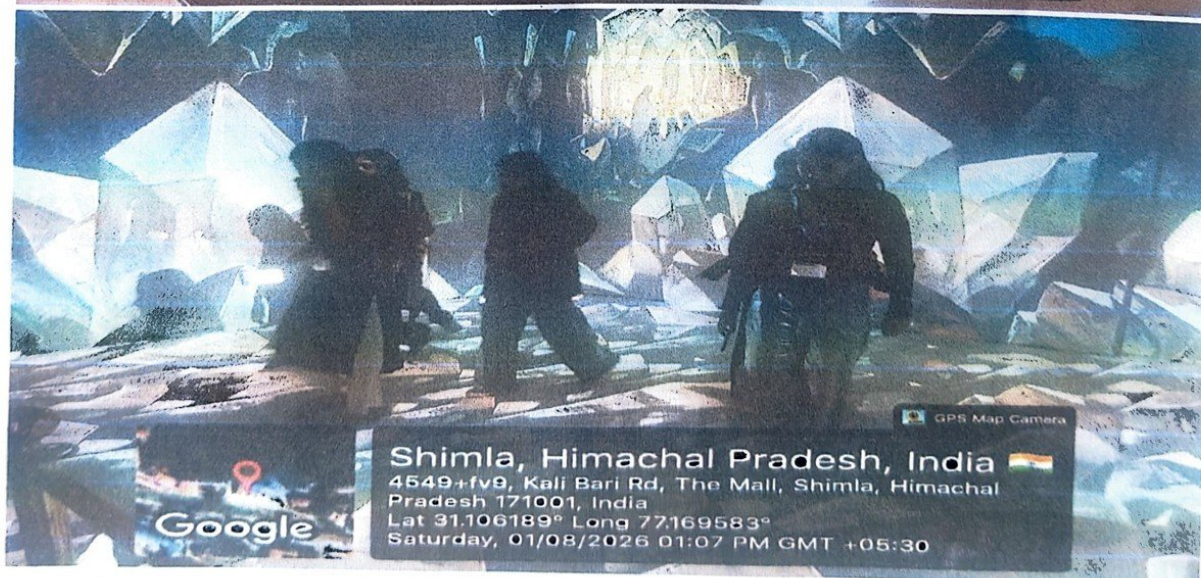
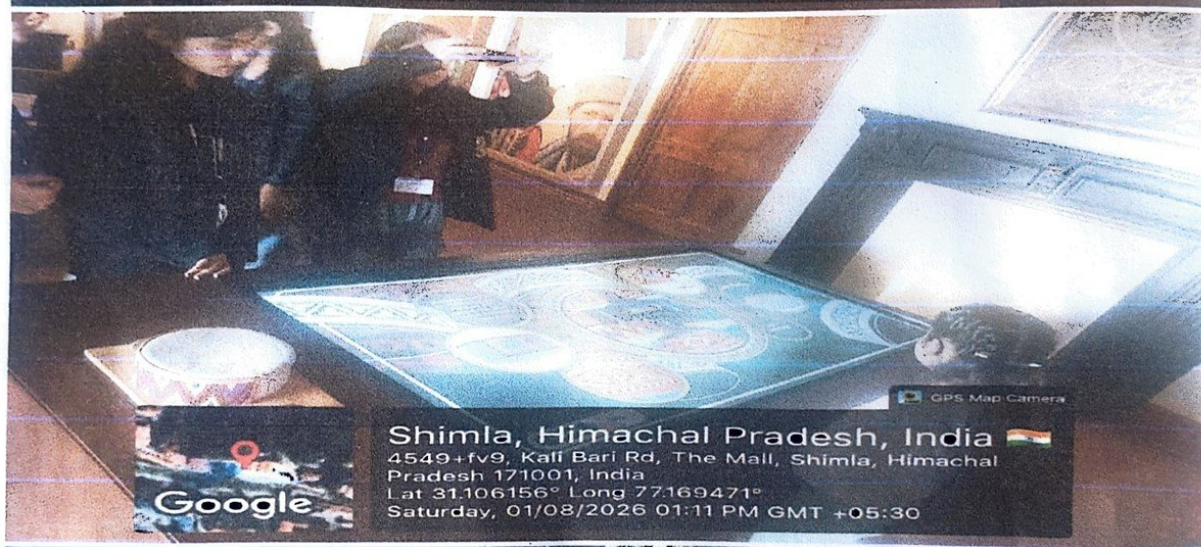
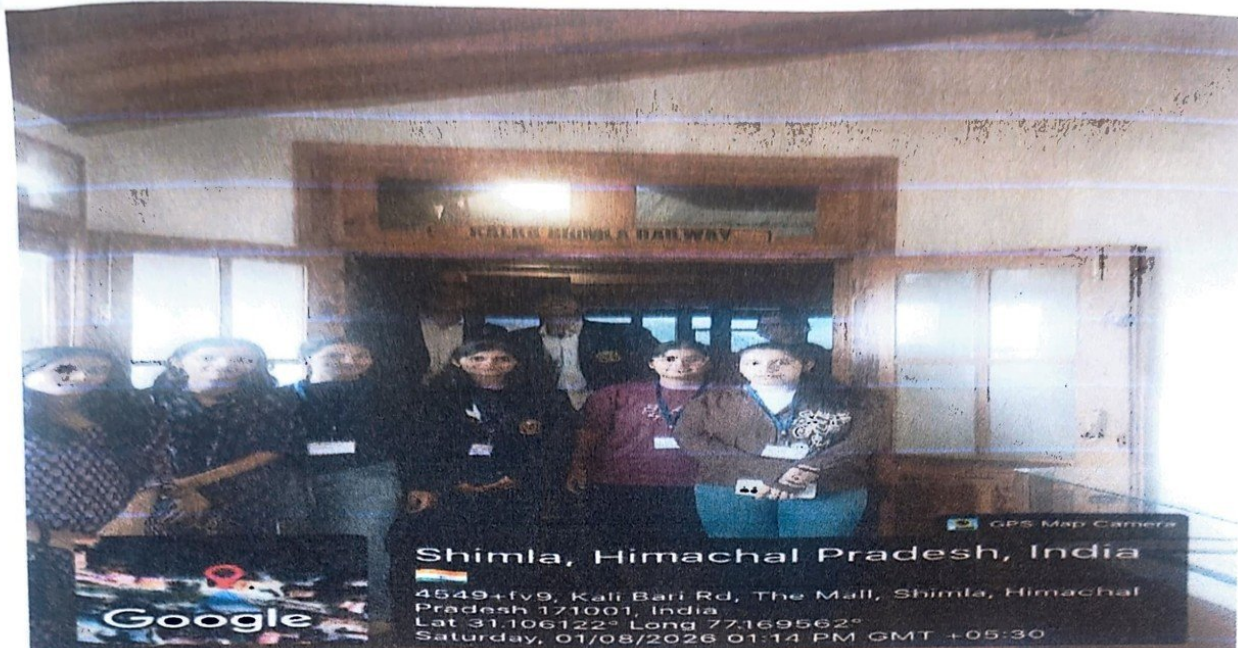
4549+fv9, Kali Bari Rd, The Mall, Shimla, Himachal Pradesh 171001, India

Lat 31.106084° Long 77.169824°

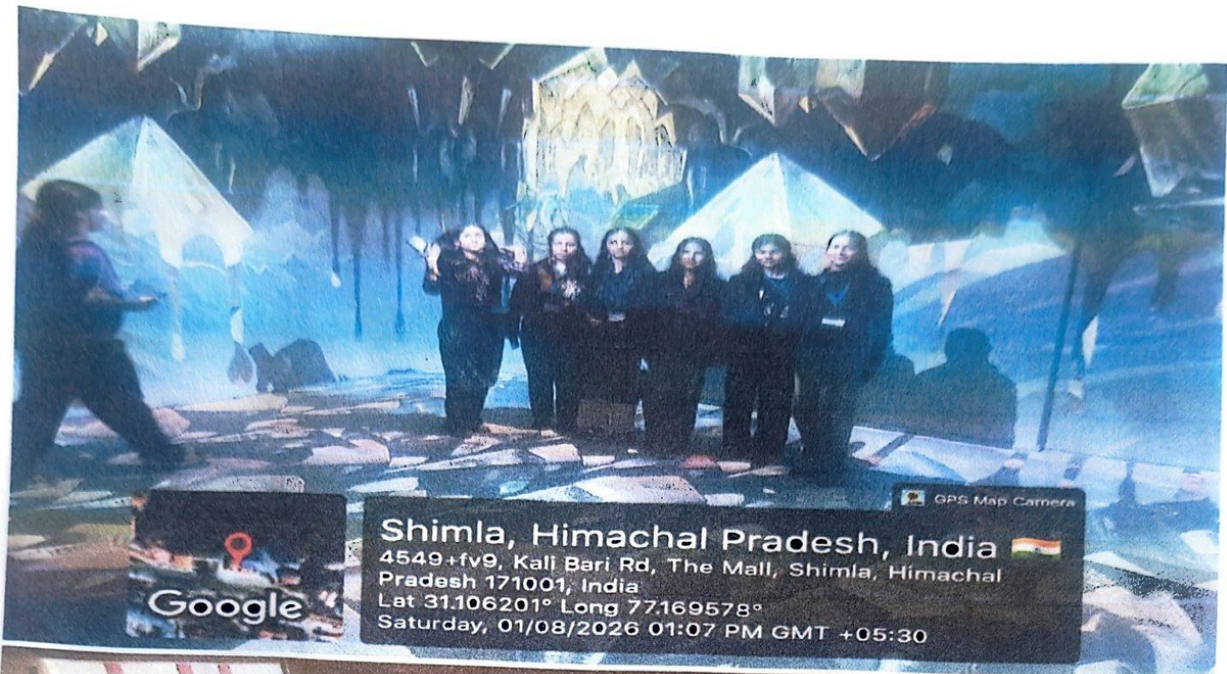
Saturday, 01/08/2026 01:59 PM GMT +05:30

GPS Map Camera

Principal
GC Sanjauli, Shimla-6



Boregry
 Principal
 GC Sanjauli, Shimla-6



Google

Shimla, Himachal Pradesh, India

4549+fv9, Kali Bari Rd, The Mall, Shimla, Himachal Pradesh 171001, India

Lat 31.106201° Long 77.169578°

Saturday, 01/08/2026 01:07 PM GMT +05:30



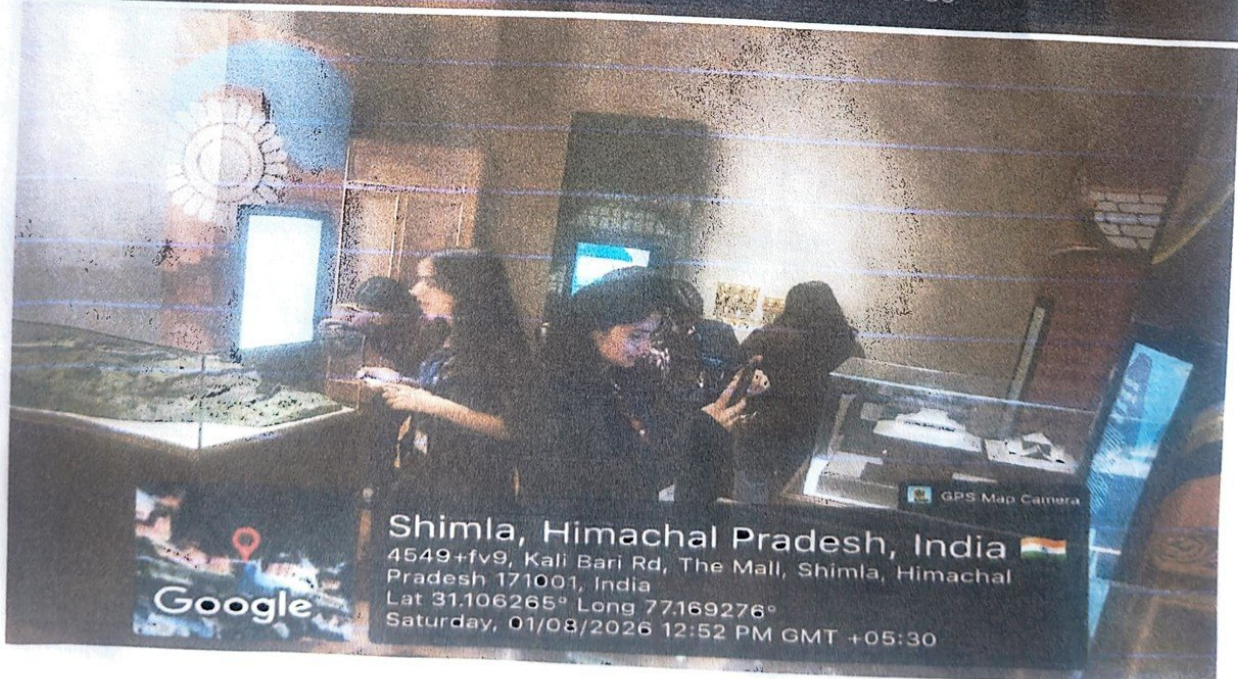
Google

Shimla, Himachal Pradesh, India

4549+fv9, Kali Bari Rd, The Mall, Shimla, Himachal Pradesh 171001, India

Lat 31.10623° Long 77.16965°

Saturday, 01/08/2026 12:59 PM GMT +05:30



Google

Shimla, Himachal Pradesh, India

4549+fv9, Kali Bari Rd, The Mall, Shimla, Himachal Pradesh 171001, India

Lat 31.106265° Long 77.169276°

Saturday, 01/08/2026 12:52 PM GMT +05:30

Boregm
Principal
GC Sanjauli, Shimla-6

SHIMLA

A N INDISCERNIBLE SCENERY

A FEELING
THAT LINGERS...

A BREEZE
THROUGH THE CEDARS...

A HILL
UNNAMED...

GPS Map Camera



Shimla, Himachal Pradesh, India

4549+fv9, Kali Bari Rd, The Mall, Shimla, Himachal Pradesh 171001, India

Lat 31.106154° Long 77.169506°

Saturday, 01/08/2026 12:09 PM GMT +05:30



GPS Map Camera

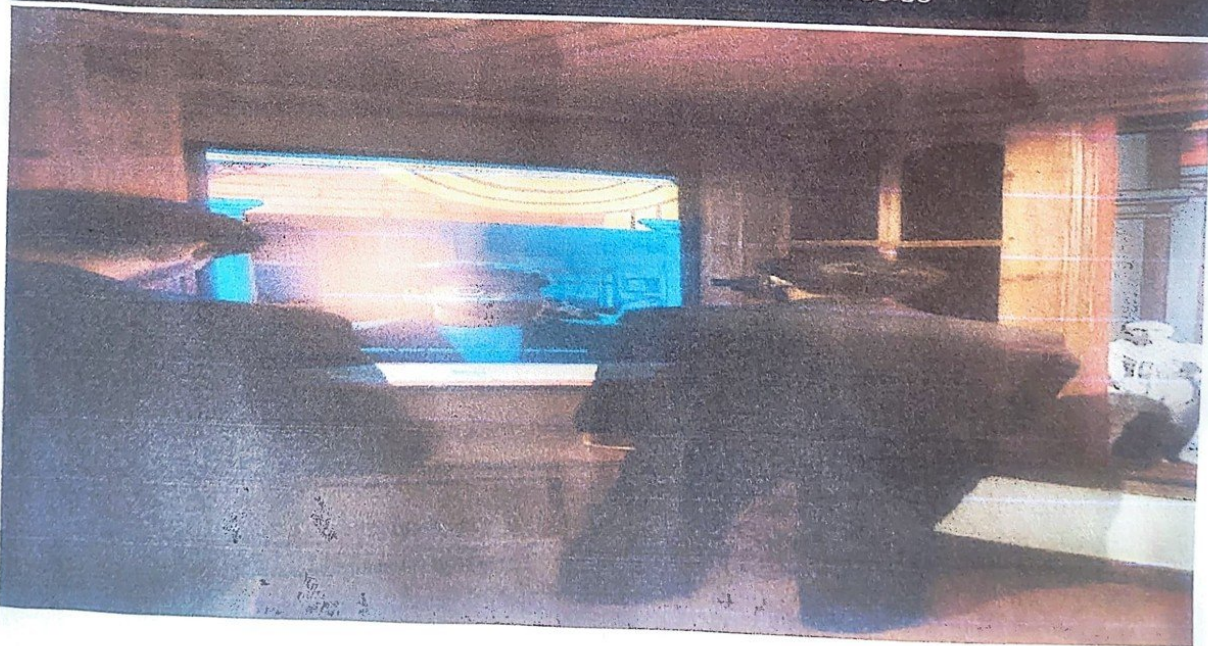


Shimla, Himachal Pradesh, India

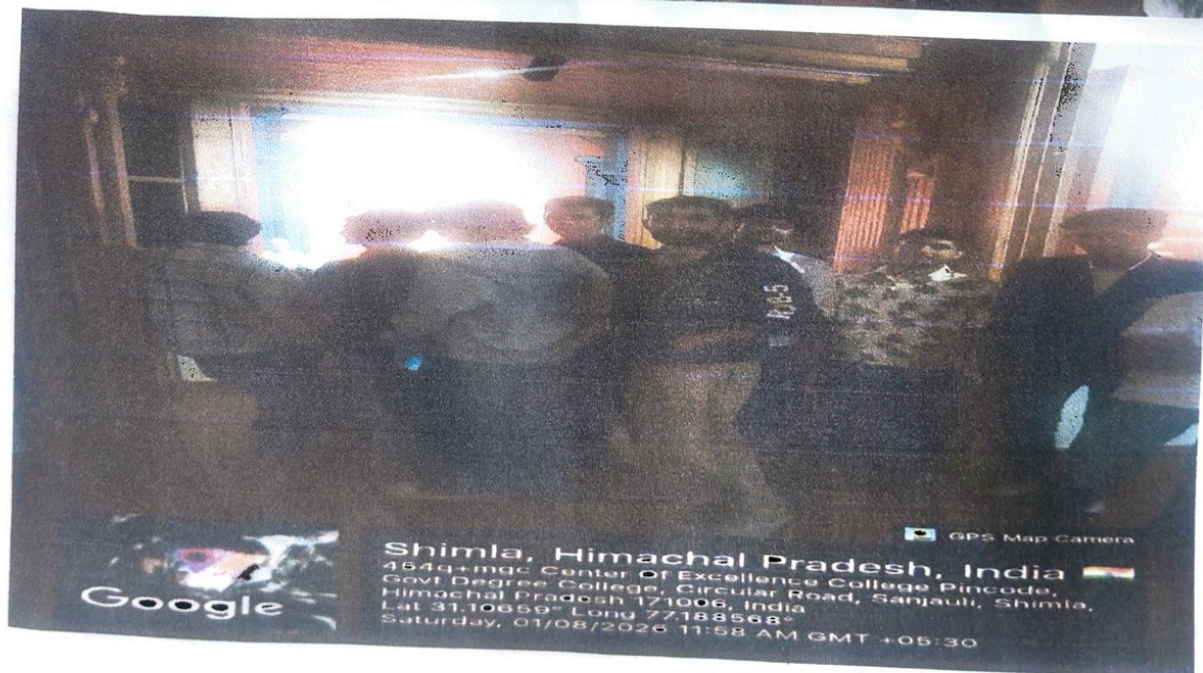
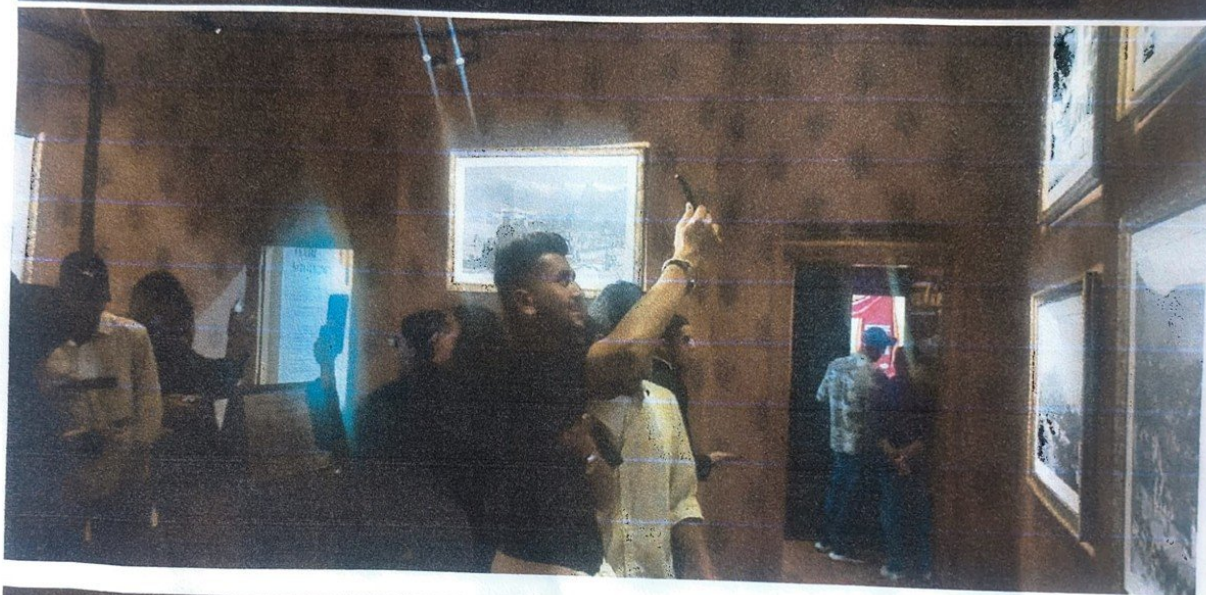
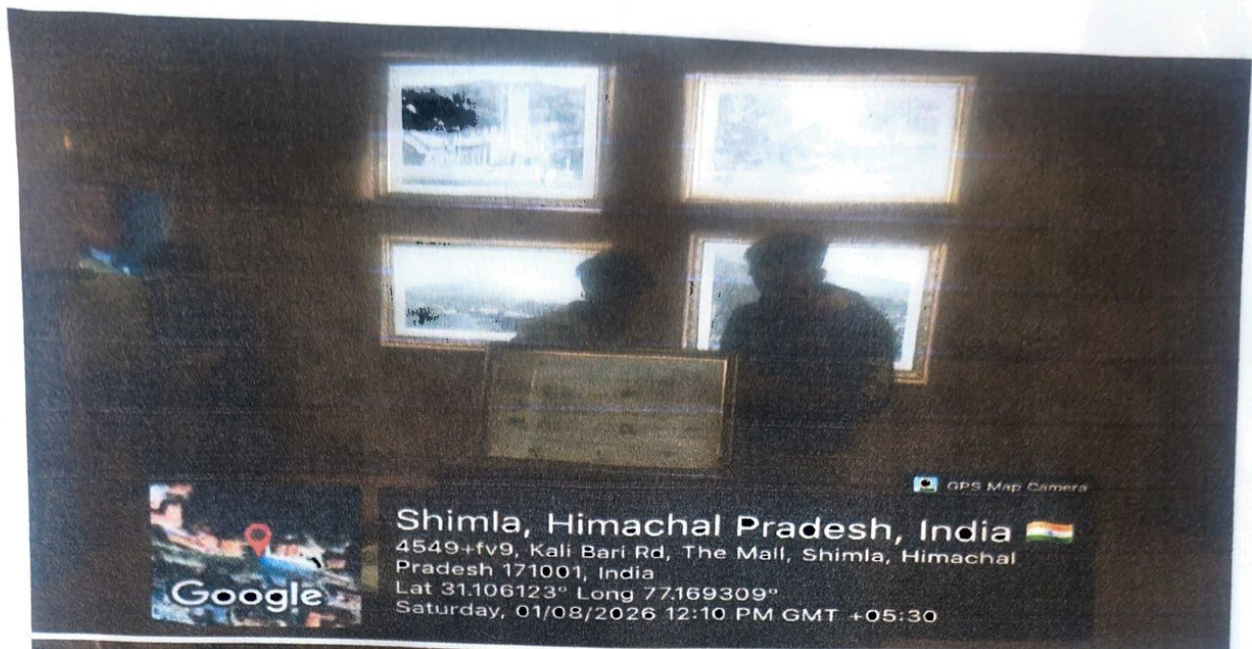
4549+fv9, Kali Bari Rd, The Mall, Shimla, Himachal Pradesh 171001, India

Lat 31.106123° Long 77.169309°

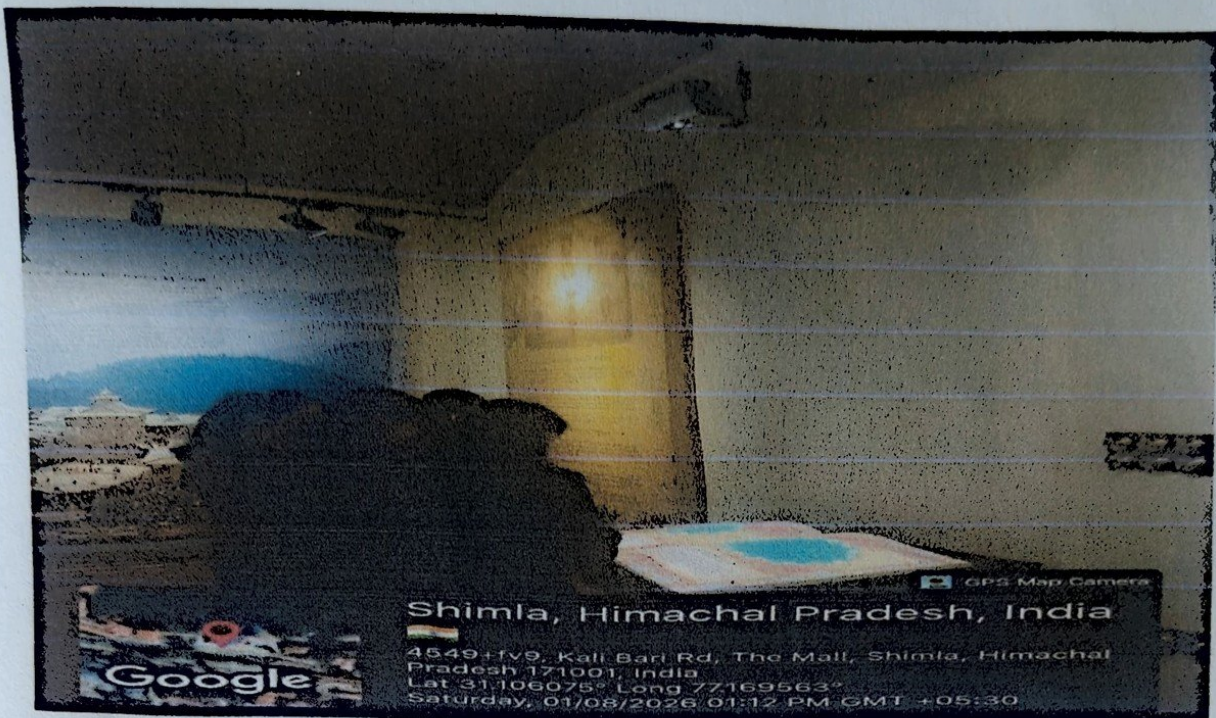
Saturday, 01/08/2026 12:10 PM GMT +05:30



B. Begam
Principal
GC Sanjauli, Shimla-6



Principal *[Signature]*
GC Sanjauli, Shimla-6



ATTENDANCE

Department of Computer Science
Centre of Excellence, Government College, Sanjauli
Attendance Sheet - Visit to Digital Museum (Bantony Castle) - 01 August 2026

Sr. No.	Name of Students	Class Roll No.	Morning Attendance	Evening attendance
1	Khusbhu Thakur	26243001	Present	Present
2	Arshvi Maachit	26253002	Present	Present
3	MORVINA	26243003	Present	Present
4	Prabanshu Khera	26243005	Present	Present
5	Sugni Gang	26243006	Present	Present
6	Sonal Chauhan	26243008	Present	Present
7	Sanyasi Samanta	26257043	Present	Present
8	Chandresh Thakur	26257021	Present	Present
9	Prashant Sharma	26217019	Present	Present
10	Smriti Chauhan	26243018	Present	Present
11	Shravan Sharma	26243029	Present	Present
12	Harv Singh	26243039	Present	Present
13	Nirvi Sharma	26243007	Present	Present
14	Priyanshu Bhadraj	26257051	Present	Present
15	Tamara Verma	26257093	Present	Present
16	Namita Chandra	26243033	Present	Present
17	Siddhant Sharma	26243013	Present	Present
18	Pranav Sharma	26257026	Present	Present
19	Harman Verma	26257079	Present	Present
20	Harv Thakur	26243025	Present	Present
21	Nishu Kishor Lakshar	26243001	Present	Present
22	Shiv Kumar	26257068	Present	Present
23	Adarsh Kumar	26243031	Present	Present
24	Krish Sharma	26216019	Present	Present
25	Kamlesh Kumar	26257071	Present	Present
26	Himanshu Mehta	26257089	Present	Present
27	Pranav	26243004	Present	Present
28	Rohit	26243011	Present	Present
29	Ush	26243012	Present	Present
30	Aditya Singh	26243027	Present	Present
31	Rakshit Sharma	26243009	Present	Present
32	Gaurav Singh	26257001	Present	Present
33	Samriddhi	26243010	Present	Present
34	Nandini	26216011	Present	Present
35	Samriddhi Kumari	26216013	Present	Present
36	Sakshi Chandra	26243039	Present	Present
37	Smriti Samr	26257002	Present	Present
38	Shruti Thakur	26216003	Present	Present
39	Hemant	26243016	Present	Present
40	Nandini	26243015	Present	Present
41	Priyanshu Verma	26257020	Present	Present

Bhargava
Principal
GC Sanjauli, Shimla-6

42	Sushila Sharma	26243006	M/H/10	M/H/10
43	Rajya Thakur	26243026	M/H/10	M/H/10
44				

Department of Computer Science
Centre of Excellence, Government College, Saranath
Attendance Sheet - Visit to Digital Museum (Anthony Castle) - 01 August 2020
B.Sc. 2nd Year

Sr. No.	Name of Students	Class Roll No.	Morning Attendance	Evening attendance
1	Amritha	25453043	Amritha	Amritha
2	Amritha	25453043	Amritha	Amritha
3	Amritha	25453043	Amritha	Amritha
4	Amritha	25453043	Amritha	Amritha
5	Amritha	25453043	Amritha	Amritha
6	Amritha	25453043	Amritha	Amritha
7	Amritha	25453043	Amritha	Amritha
8	Amritha	25453043	Amritha	Amritha
9	Amritha	25453043	Amritha	Amritha
10	Amritha	25453043	Amritha	Amritha
11	Amritha	25453043	Amritha	Amritha
12	Amritha	25453043	Amritha	Amritha
13	Amritha	25453043	Amritha	Amritha
14	Amritha	25453043	Amritha	Amritha
15	Amritha	25453043	Amritha	Amritha
16	Amritha	25453043	Amritha	Amritha
17	Amritha	25453043	Amritha	Amritha
18	Amritha	25453043	Amritha	Amritha
19	Amritha	25453043	Amritha	Amritha
20	Amritha	25453043	Amritha	Amritha
21	Amritha	25453043	Amritha	Amritha
22	Amritha	25453043	Amritha	Amritha
23	Amritha	25453043	Amritha	Amritha
24	Amritha	25453043	Amritha	Amritha
25	Amritha	25453043	Amritha	Amritha
26	Amritha	25453043	Amritha	Amritha
27	Amritha	25453043	Amritha	Amritha
28	Amritha	25453043	Amritha	Amritha
29	Amritha	25453043	Amritha	Amritha
30	Amritha	25453043	Amritha	Amritha

Department of Computer Science
Centre of Excellence, Government College, Saranath
Attendance Sheet - Visit to Digital Museum (Anthony Castle) - 01 August 2020
B.Sc. 2nd Year

Sr. No.	Name of Students	Class Roll No.	Morning Attendance	Evening attendance
1	Amritha	24453031	Amritha	Amritha
2	Amritha	24453031	Amritha	Amritha
3	Amritha	24453031	Amritha	Amritha
4	Amritha	24453031	Amritha	Amritha
5	Amritha	24453031	Amritha	Amritha
6	Amritha	24453031	Amritha	Amritha
7	Amritha	24453031	Amritha	Amritha
8	Amritha	24453031	Amritha	Amritha
9	Amritha	24453031	Amritha	Amritha
10	Amritha	24453031	Amritha	Amritha
11	Amritha	24453031	Amritha	Amritha
12	Amritha	24453031	Amritha	Amritha
13	Amritha	24453031	Amritha	Amritha
14	Amritha	24453031	Amritha	Amritha
15	Amritha	24453031	Amritha	Amritha
16	Amritha	24453031	Amritha	Amritha
17	Amritha	24453031	Amritha	Amritha
18	Amritha	24453031	Amritha	Amritha
19	Amritha	24453031	Amritha	Amritha
20	Amritha	24453031	Amritha	Amritha
21	Amritha	24453031	Amritha	Amritha
22	Amritha	24453031	Amritha	Amritha
23	Amritha	24453031	Amritha	Amritha
24	Amritha	24453031	Amritha	Amritha
25	Amritha	24453031	Amritha	Amritha
26	Amritha	24453031	Amritha	Amritha
27	Amritha	24453031	Amritha	Amritha
28	Amritha	24453031	Amritha	Amritha
29	Amritha	24453031	Amritha	Amritha
30	Amritha	24453031	Amritha	Amritha

B. P. Singh

Report Prepared By:



Dr. Priyanka Dhareula Rana

Department of Computer Science

Centre of Excellence, Government College Sanjauli, Shimla (H.P.)

Countersigned By:



Prof. Surinder Chauhan

Head of Department

Department of Computer Science



Principal

Centre of Excellence, GC Sanjauli
GC Sanjauli, Shimla-6
Shimla - 171006