

EXCURSIONS (PHYSICS DEPARTMENT)

Kanatal-Mussoorie-Dehradun, October 22-24, 2018

Exploring places with classmates holds significant importance as it promotes bonding, teamwork, and shared experiences. It provides an opportunity to step out of the classroom and immerse oneself in real-world learning. Exploring together allows classmates to discover new cultures, traditions, and perspectives, broadening their horizons. It fosters friendship and creates lasting memories that strengthen social connections. Collaborative activities during travel enhance communication and problem-solving skills. Moreover, exploring places with classmates encourages personal growth, independence, and self-confidence. It instils a sense of adventure and curiosity, igniting a lifelong love for exploration and a deeper understanding of the world we live in. It is with the aforementioned idea in mind that students of the Department of Physics undertook a visit to Kanatal and Mussoorie Uttarakhand during 22 – 24 October 2018 under the EXPLORE scheme of the college.

Kanatal, Uttarakhand, is a hidden gem nestled amidst the picturesque Garhwal Himalayas. Its breathtaking beauty captivated the students with lush green meadows, panoramic views of snow-capped peaks, and a serene atmosphere. Students enjoyed the charm of Kanatal in its untouched landscapes, dense forests, and refreshing mountain air. They also enjoyed thrilling adventure activities like trekking, camping, and rappelling.

The mesmerizing sunsets and starry nights added to the allure of Kanatal. With its pristine natural beauty, Kanatal offered a perfect retreat for nature loving students seeking solace in the lap of the mountains. Moving on, Mussoorie in Uttarakhand, offered breathtaking beauty that captivated students with its picturesque charm. Nestled in the lap of the Himalayas, this hill station offered panoramic views of snow-capped peaks, lush green valleys, and cascading waterfalls. The Mall Road, lined with shops and cafes, came out as a bustling hub of activity. Mussoorie's beauty lies not only in its natural splendour but also in its colonial architecture and rich history. Whether it was taking a leisurely stroll along Camel's Back Road or witnessing a mesmerizing sunset from Gun Hill, Mussoorie is a true paradise for nature lovers and a perfect escape from the city's hustle and bustle. Special mention for Ruskin Bond's book store in Mussoorie, that came out as a haven for book lovers and admirers amongst the students. Located on the Mall Road, the quaint store offered a wide collection of Bond's books, ranging from his popular novels to lesser-known gems. Students browsed through the shelves and immersed themselves in the world of Bond's storytelling. The cozy ambiance of the store, combined with its picturesque location in the hill station, created a unique and memorable experience. The store still serves as a tribute to Bond's literary legacy and a gathering place for literature enthusiasts seeking to delve into his captivating narratives.







An academic trip to Amritsar

March 05-06, 2014

Fifty eight students (49 boys and 9 girls), four teachers, and four lab staff members assembled at New Delhi Railway Station, on 5th March 2014 at 5:30 am for a two day academic trip to Amritsar. Train (Shane Punjab) departed at 6:40 am and reached Amritsar junction after covering 448 km in 7 hours.

We reached Amritsar junction at 2.20 pm. From there we took a bus to our hotel. After having lunch we reached to Attari border to watch the Beating Retreat ceremony, which is a daily military practice that the security forces of India (Border Security Force) and Pakistan (Pakistan Rangers) have jointly followed since 1959. Before the ceremony they played patriotic songs, which we all enjoyed very much. Few students even danced on the music. Then the ceremony started with a blustering parade by the soldiers from both the sides, and ended up in the perfectly coordinated lowering of the two nations' flags. We came to know that Durgiana Mandir (derives its name from the Goddess Durga), is situated very near to our hotel. The temple was constructed in 1908 on the pattern of the The Golden Temple. It is sometimes called Silver temple for its carved silver doors. The temple complex has some historic temples such as Sita Mata and Bara Hanuman.

After this we reached hotel at around 8:45 pm. We had good dinner. Then students enjoyed and danced on music. Finally we went to our respective rooms. Next day, we had breakfast in hurry and went to Jallianwala Bagh, a memorial of national importance, established in 1951 to commemorate the massacre by British occupying forces of peaceful celebrators on the occasion of the Punjabi New Year on April 13, 1919. The garden site of the massacre is located in the vicinity of Sri Harmandir Sahib (named after Hari (God), also known as Golden Temple) complex, the holiest shrine of Sikhism. It is built on a 67ft. Square platform in the center of the Sarovar(tank). The building work completed in 1601 A.D. A visit to Harmandir Sahib is not complete if someone is not visiting

The Central Sikh Museum. Established in 1958 at Amritsar, Central Sikh Museum exhibits paintings of Sikh gurus, saints, Sikh warriors and other prominent Sikh leaders who have contributed to the enhancement of Sikh religion. It has

a rich collection of coins, old arms and ancient manuscripts. After this we went back to our hotel, had lunch and reached to the railway station by bus. Our train departed the Amritsar Junction at 3:10 pm and we reached New Delhi Railway station at about 11:50 pm on 6th March, 2014. We all had a great time there, we came to know about rich heritage of nation. It was all very good and memorable for all of us.





Trip to Jim Corbett and Nainital, March 21-23, 2013

The Department of Physics organized a two-day educational trip for the students of B. Sc. (H) Physics and B. Sc. Physical Sciences (Electronics) – IV semester to Jim Corbett and Nainital on 21 – 23 March, 2013. On the first day students were taken to Girija Temple and Kosi river bank in Jim Corbett, followed by a jungle safari in the pristine forests of Jim Corbett. Students had a direct experience with the wildlife, biodiversity and waterfalls in the jungle. Many students reported viewing rare animals for the first time and were pleasantly surprised with the richness in colour and health of the animals, compared to their brethrens found in the city zoological parks. They were most amazed by the camouflaging colors of the creatures. It was a great experience for students belonging to non-life science streams and equipped them with many lifelong memories about the nature, its biodiversity, survival and awareness to be more responsible towards nature. In fact one small group had a very close almost *handshaking* encounter with a wild tusker, which taught them that no matter how dangerously we perceive wild animals, they do not harm us until they feel threatened / offended. Thus '*Live and Let Live*' is the mantra for safety and survival.

If that was not enough, a lunar halo was waiting at night in the dark, clear spectacular sky in the hotel at Ramnagar! This engaged students in getting curious about lunar halo - how it is formed. Students who witnessed this astronomical wonder, soon understood that lunar halos are formed due to both refracting or splitting of light and also by reflection or glints of light from the tiny ice crystals in earth's atmosphere. Second day the group headed for Nainital in the morning and visited Corbett Falls en-route. At Nainital students enjoyed boating at Naini lake and visited Naina Devi temple. Naina Devi temple had an ongoing programme on Holi festival wherein various groups of men and women in their colorful costumes were performing Bhakti dance for the cause of 'Save Ganga' to the tunes of devotional music. Some of the adventurous tried to row their respective boats in the Naini lake and soon found that fundamentals of physics in the textbooks are difficult to copy in real life.

Thus this excursion brought students face to face with nature, wildlife, biodiversity, evolution of flowers and fauna, astronomical wonder, applications of physics besides cultural magnanimity- all packed in fun and entertainment, which no classroom session can provide indoors.



