



## **EXTENSION ACTIVITIES 2017-23**

### **SESSION 2017-18**

#### **VISIT TO THE DEPARTMENT OF PHYSICS, PUNJAB UNIVERSITY**

On September 20, 2017, students from the final year of B.Sc. (Hons.) Biotechnology, along with students from B.Sc. Pass Course, embarked on a one-day tour to the Department of Physics at Punjab University, Chandigarh.

**Objective:** The primary objective of the trip was to provide the students with exposure to the cyclotron and its functioning.

During the visit, the students were introduced to the operations and mechanisms of the cyclotron, as well as other instruments present in the physics research laboratory at Punjab University. They had the opportunity to observe and understand the working of this particle accelerator, which is considered one of the oldest in the world. The cyclotron, originally built in the 1930s, was sent from the University of Rochester, USA, to be housed at Panjab University, Chandigarh.

**Outcomes:** The visit to the Department of Physics at Punjab University yielded several positive outcomes for the participating students:

1. **Enhanced understanding of the cyclotron:** The students gained in-depth knowledge about the functioning and purpose of the cyclotron, a vital instrument in particle physics research.
2. **Insight into historical significance:** Students discovered that the cyclotron at Punjab University holds historical significance as one of the oldest particle accelerators. This knowledge contributed to their understanding of the advancements made in the field of physics over the years.
3. **Exposure to high-end research equipment:** Apart from the cyclotron, the students were introduced to various other advanced research equipment available in the Department of Physics at Punjab University. This exposure broadened their awareness of cutting-edge technologies used in scientific research.
4. **Effective learning and idea exchange:** The tour provided a platform for students to learn effectively through real-world experiences and engage in meaningful discussions and exchanges of ideas with experts and fellow students.



## **SESSION 2019-20**

### **ORAL PRESENTATION ON 'TRADITIONAL FERMENTED FOODS OF HP' AT GOVT. SR. SEC. SCHOOL, CHOTTA SHIMLA**

On the occasion of NSS Foundation Day on September 24, 2019, Ms. Sonal Sharma, a student of B.Sc. (Hons) Biotechnology, actively participated and delivered an oral presentation on the topic "Traditional Fermented Food of Himachal Pradesh" at the Government Senior Secondary School, Chotta Shimla.

#### **Objectives:**

- The main objective was to motivate students to actively participate in inter-college activities and provide them with a platform to learn new skills while gaining experience in presenting themselves in front of others.
- To instill the values of hard work and a competitive spirit in students, which would enhance their knowledge and skills, ultimately benefiting them in securing good placements.

During her presentation, Ms. Sonal Sharma elucidated the numerous health benefits associated with fermented food, which are an integral part of the rich tradition of Himachal Pradesh. She



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discussed the advantages and production procedures of these fermented foods, engaging with the other participants and students of Government Senior Secondary School, Chotta Shimla.

**Outcomes:**

- Ms. Sonal Sharma, through her presentation, successfully shared her knowledge on various fermented foods of Himachal Pradesh. This experience boosted her confidence and prepared her for future endeavors.
- The presentation served as a valuable learning opportunity for both Sonal Sharma and the audience, spreading awareness about the health benefits and cultural significance of traditional fermented foods.



**NATIONAL SCIENCE DAY**

From February 27-28, 2020, as a part of the B.Sc. (Hons) Biotechnology program, students from the department participated in a two-day seminar titled "Science is Nothing but Perception."

**Objective:** The objective was to provide students with a platform to showcase their talents and foster their personal growth.



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The seminar was organized by Thapar Institute of Engineering and Technology, Patiala, in collaboration with the Centre of Excellence at Government Degree College, Sanjauli, Shimla to celebrate the National Science Day. During the seminar, the students actively participated in inter-college activities, including debates, poster-making competitions, and oral presentations.

**Outcome:** The inter-college competitions provided a platform for our students to showcase their creative skills. These competitions also promoted social cooperation and collaboration among students, fostering a sense of teamwork and learning from one another. The activities helped boost the confidence of our students as they presented themselves in front of a larger audience, further enhancing their communication and presentation skills.



### **SESSION 2022-2023**

#### **DIWALI CELEBRATION WITH UN-PRIVILEGED CHILDREN**

##### **Objective:**

- To inculcate social skills and awareness among students.
- Make the students socially responsible citizens of the country.
- To make the students appreciate the value of establishing cordial relationships with people of different status, ethnicities, and castes.

To inculcate social and cultural values in the students, the Department of Biotechnology in collaboration with the Department of Microbiology conducted a social activity on October



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10,2022. The students collected and distributed toys, clothes, and stationery items to the underprivileged children at Chotta Shimla.

**Outcome:**

- The activity helped in inculcating inter-personal skills that foster cooperation, loyalty towards fellow citizens along with a sense of responsibility that makes them sensitive towards society and its upliftment.

