



## **Dr. Ambedkar College, Deekshabhoomi, Nagpur**

### **Department of Physics**

**Name of Program: B.Sc. First Year SEC Physics Odyssey**

**Date of Program : 25/10/2024**

**No. of Students Present : 29**

**Hosted by : Mr. Yashpal Gedam & Ms. Pooja Fulekar**

## **Physics Odyssey: A Journey Through Quizzes, Hunts, and Problem-Solving Adventures in SEC**

Designed to blend fun with learning, an Event "Physics Odyssey" for B.Sc. First Year Physics students was successfully organised on October 25, 2024 at the Physics Department of Dr. Ambedkar College, Nagpur. This event was held in accordance with the NEP 2020 as a part of Continuous Internal Evaluation for Skill Enhancement Course (SEC). The event aimed to spark curiosity, encourage teamwork, and enhance problem-solving skills through a series of educational games and activities. The event was hosted by Mr. Yashpal Gedam & Ms. Pooja Fulekar - who are teachers in charge of SEC in the Physics Department. The event began at 10.30 a.m. Both teachers welcomed students and praised the attendance for the program. Soon, students were divided into six different groups viz., Group 1, Group 2, and so on, as a part of Activities where points were given to these teams based on their performance and the team emerging in first place was declared winner.

### **Activities Conducted**

#### **1. Physics Scavenger Hunt**

Participants embarked on an exciting scavenger hunt, searching for physics-related items and solving riddles based on scientific principles. This activity encouraged creative problem-solving and teamwork among students. Instruments used in SEC practicals were spread across the lab in various places for students to hunt down. Students enjoyed it so much that teachers have to take round 2 of this activity on high demand from students.

## **2. Physics SEC Practicals Quiz**

A challenging quiz tested students' theoretical and conceptual understanding of their newly included SEC subject in their curriculum. 45 seconds time was given to answer the question to each group. The competitive spirit was evident as participants showcased their knowledge to secure the top position. Questions were asked in MCQs format also keeping in mind that these might help students during their final viva exam.

## **3. Calculation of Electricity Bill Challenge**

A dedicated session was held where students were asked to calculate the Electricity bill by giving them the list of various Appliances along with its power consumption and usage time. Students took this as a challenge and tackled this activity with enthusiasm reinforcing their analytical skills and application of core physics principles.

## **4. Buzzer Round**

The Buzzer Round was an electrifying segment designed to test students' reflexes, quick thinking, and in-depth knowledge of the subject.. Teams were seated with buzzers, ready to answer a series of rapid-fire questions. Teams had to buzz in as quickly as possible to answer, with the fastest team earning the opportunity to respond. It fostered teamwork and effective communication, as students relied on each other's strengths to answer accurately and promptly.

### **● Outcomes**

The event saw enthusiastic participation from students of B.Sc. Physics First Year. The introduction of the Buzzer Round added an element of excitement and energy, making the event even more engaging. Students expressed their appreciation for the innovative learning experience and shared that the activities enhanced their understanding of physics concepts in a fun and dynamic manner. In the end students were very happy that such an event was organised for them which was a good blend of fun and knowledge which they enjoyed.

### **● Conclusion**

The SEC Physics Odyssey was a tremendous success, providing students with an enriching and enjoyable platform to explore physics beyond the classroom. The activities promoted critical thinking, teamwork, and a love for learning. Group no. 4 emerged as the winner who occupied 1st position in this event with their performance. All students of this group received their prize the very next day of the event. A special thanks was given to HOD Mrs. Wazalwar Madam for providing the opportunity to conduct this event in the Department and taking the initiative to implement the NEP 2020 as intended in the curriculum.

## **Some Snapshots from SEC Physics Odyssey Event**



**Attendance of Students for Physics Odyssey Event**



**Students During SEC Scavenger Hunt**

## Students Discussing and Deciding the answers during Quiz Competition



### Students Calculating the Electric Bill with the given data



## Buzzer Round



Winners of Physics Odyssey Event with their Prize