

Outreach Activity at Rohru, Shimla – 7th November – 08th November 2024

7th November, 2024

Pabbar Public School, Chirgaon, Rohru

&

Govt. Girls Senior Secondary School, Rohru

Dr. Kaushal Kumar and Dr. Ankush Tanta introduced JUIT-STEM QUEST (JUIT competitive quiz) to 12th-grade students to both medical and non-medical streams. The quiz, conducted on school premises, encouraged enthusiastic students' participation. Dr. Ankush explained the importance of JUIT-STEM competition to students and faculty along with associated scholarships, prizes. 10 students participated in STEM-QUEST.



8th November, 2024

Saraswati Vidya Mandir, Samoli, Rohru



JUIT-STEM QUEST was conducted at Saraswati Vidya Mandir School, Samoli. During discussion with school Principal, JUIT team emphasized on academic mentorship program of JUIT for schools for their science streams. The school principal was appreciative of this idea and following the discussion, Dr. Kaushal conducted the quiz examination for 20 students of the 12th stream of school.

8th November, 2024

Govt. Boys Senior Secondary School, Rohru



The JUIT outreach met with the Principal Sh. Ajit Verma of the school to present and discuss the benefits of their STEM-QUEST program for students. The session aimed to introduce the students to practical science experiments and foster a deeper interest in STEM fields. 45-50 students participated in this session.

- **Total Dissolved Solids (TDS) Experiment:**

Dr. Kaushal Kumar conducted a hands-on demonstration on how to measure Total Dissolved Solids (TDS) in drinking water. This experiment not only educated the students about the importance of water quality but also introduced them to basic scientific measurement techniques.

- **Microbiological Techniques:**

Prof. Sudhir demonstrated basic microbiological techniques, focusing on the differentiation between different types of bacteria on the basis of catalase test. This practical demonstration provided students with an understanding of microbiology.

The Principal expressed interest in further interactions with the JUIT team, inviting them for similar educational sessions in the near future to continue fostering student engagement in STEM.

8th November, 2024

Himalayan Public Senior Secondary School, Rohru



Prof. Sudhir Kumar provided hands-on training in basic microbiology experiment of detection of aerobic and anaerobic bacteria using Catalase Test. Students performed this experiment and school Principal thanked JUIT team for their visit. School science faculty members and Principal Sh. Dinesh Sharma expressed their desire to have more such type of activities in their school.