

## Activity Report for the Month of December 2022

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### Regional Level Science Congress 2022-23

(From 5<sup>th</sup> December to 9<sup>th</sup> December, 2022)

To promote the science as a subject and to develop scientific temperament in the students of different Jawahar Navodaya Vidyalayas across the Chandigarh Region (Himachal Pradesh, Panjab, Jammu & Kashmir U.T., Ladakh U.T. and Chandigarh U.T.) of Navodaya Vidyalaya Samiti. The Jawahar Navodaya Vidyalaya, Kangra partnered with the Palampur Science Centre and organized a mega science event for the students of 58 JNVs.

On 5<sup>th</sup> December, 2022, Dr. Nipun Jindal (IAS), Deputy Commissioner Kangra, inaugurated the Regional Level Science Congress in the auspicious presence of Dr. Amir Guleria (HAS), Sub Divisional Magistrate, Palampur and Sh. R.K. Verma, Deputy Commissioner, Chandigarh Region, Navodaya Vidyalaya Samiti. 170 students and teacher of 58 different JNVs were given guided tour of the various galleries and facilities i.e. Innovation Hub, Workshop etc. A **Science Demonstration Lecture** was organized for students in which different scientific concepts were demonstrated by Project Coordinator in an interactive way.

On 6<sup>th</sup> December, 2022 two sessions of **Popular Science Lecture** on the theme 'Frontiers of the Research in CSIR-IHBT' were delivered by Dr. Upendra Sharma, Sr. Scientist, CSIR-IHBT and Er. Mohit Sharma, Principal Scientist, CSIR-IHBT in which the students were motivated and inspired to take different field of STEM as a career option and students were oriented to take up some challenging field of research that CSIR-IHBT and other research institutions are pursuing for the betterment of the society. After the lecture an **experimental learning session** was held in which the students were engaged in activities to extract essential oil from different sort of herbs found in the natural environment like Lemon grass etc. At the end of the day, a **Science demonstration lecture** was held for the students and teachers, in which they were told about the fantastic concepts of science through daily use things like soap and paper etc.

On 7<sup>th</sup> December, 2022 A **Science Quiz competition** was held for the students of 58 JNVs. In this event JNV Patiala bagged first position while JNV Kathua and JNV Una secured second and third position respectively. The questions were very informative in nature and may have improved the logical and cognitive abilities of the participants. After the competition, some scientific awareness films were screened for the students.

On 9<sup>th</sup> December, 2022 A **science demonstration lecture** was organised by the Project Coordinator for the students through which different concepts related to properties of matter in sub-zero environment, different type of chemical reactions, surface tension, properties of light, moment of inertia, conservation of angular momentum and hands on activities related to geometry & trigonometry were organised for school students. the science behind the chemicals. After the science demonstration lecture, a **popular science lecture** was delivered

by Dr. Tarang Kumar Shah, Assistant Professor, Dept. of Fisheries, CSK-HPKV on the theme 'Different Techniques of development of Aquarium' were held for the students in which they were briefed about the important aspects of aquarium keeping and exotic and ornamental fishes of fresh water. Dr. Aprana Maitra Pati, Chief Scientist & Head Planning Project Monitoring and Evaluation unit, CSIR-IHBT was present as the chief guest of the valedictory function. With the inspiration to popularized of science and to develop scientific temperament in the society the science congress concluded.

## **Observance of National Mathematics Day**

22 December 2022

National Mathematics Day was celebrated at Palampur Science Centre on 22<sup>nd</sup> December 2022 to commemorate the birth anniversary of mathematical genius, the man who knew infinity, Srinivasa Ramanujan. To make people aware about the life and works of this genius, Palampur Science Centre organised a **popular lecture** on Life and works of Srinivasa Ramanujan and an **open house quiz** for the students of class 6<sup>th</sup> to 8<sup>th</sup>. Around 80 students and 5 teachers participated in this event. The participants who provided right answers of the asked questions were facilitated with prized by the teachers on the spot. The questions asked were all based upon the life, education, partnership, journey and work of the Srinivasa Ramanujan. After the completion of the programme, each and every participant is provided with the bilingual e-participation certificates. A total of 85 students participated in the programme. The programme was concluded with a pledge to get inspiration from the life of Srinivasa Ramanujan and to promote Mathematics as career option.