



1ST VIGYAN PRATIBHA TEACHERS' TRAINING WORKSHOP 2023

18TH TO 22ND SEPTEMBER 2023

Vigyan Pratibha (VP) is a pioneering initiative by the Government of India, operating under the purview of the Department of Atomic Energy (DAE). This initiative is dedicated to the comprehensive cultivation of scientific and mathematical talent among students studying in Classes 8 to 10 across the nation, primarily through various Kendriya Vidyalayas, Jawahar Navodaya Vidyalayas, and Atomic Energy Central Schools. Spearheaded by the National Institute of Science Education and Research (NISER) and the Institute of Physics (IOP), Vigyan Pratibha's Odisha Region chapter plays a pivotal role in the execution of the VP initiative in Odisha and Chhattisgarh.

At its core, the program is characterized by the introduction of 'Science Circles' within these educational institutions. Under this framework, students actively engage in conducting specialized "Learning Units." These Learning Units, meticulously crafted by the Homi Bhabha Centre for Science Education, involve contributions from faculty members from partner Institutions and expert members across the country. This collaboration of scientists, educators, and teachers shapes these activity modules. These units serve as extensions to the conventional classroom curriculum, providing hands-on practical experiences that facilitate profound comprehension of fundamental concepts through "Learning by Doing." Aligned with the NCERT curriculum, these units offer students an opportunity to gain a critical grasp of specific concepts in a tangible and engaging manner.



During the previous year, NISER organized two teacher-training workshops. In the first workshop, 43 teachers participated from KV and JNV across Odisha and Chhattisgarh. This intensive training equipped them to effectively conduct the learning units. Subsequently, upon their return to their respective schools, they implemented the same learning units with their students. To provide further support, the VP team from NISER conducted school visits, assisting teachers in successfully executing these units in the classroom. The second workshop welcomed the same group of teachers, engaging them with a fresh set of learning units. This platform also encouraged the teachers to exchange their experiences and insights, discussing both successes and areas for improvement. As part of this workshop, they gained firsthand experience of the diverse facilities and laboratories housed within NISER. Notably, these efforts have had a significant impact, benefitting approximately 622 students through the immersive learning experiences provided by the learning units.

The first Vigyan Pratibha Teachers' Training Workshop in Odisha and Chattisgarh region for the academic year 2023-24 is scheduled to take place from the 18th to the 22nd of September 2023. This workshop will be hosted at NISER in partnership with IOP. Participants include 54 teachers from 20 Kendriya Vidyalayas in Odisha and Chhattisgarh, 21 Jawahar Navodaya Vidyalayas in Odisha and Chhattisgarh, along with two Atomic Energy Central Schools. Over five days, these teachers will actively engage in the training workshop, enriching their pedagogical skills and enhancing their ability to foster innovative learning experiences.

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