

## CSIR-NEERI organised 'JIGYASA' on July 8-12, 2019

CSIR-National Environmental Engineering Research Institute (CSIR-NEERI) organised the 'JIGYASA: Student-Scientist Connect Program' on July 8-12, 2019. 240 students and 35 teachers of Kendriya Vidyalayas, Navodaya Vidyalayas, State Govt. and Municipal Corporation Schools across Maharashtra and Chhattisgarh participated in this programme. The objective of this programme was to provide exposure of research environment and simultaneously inculcate interest towards science among school students. During this five-day programme, the students and teachers visited the Laboratories and Facilities of the Institute for hands-on science experiments on air, water and soil analysis, water purification techniques, treatment and management of municipal solid wastes, treatment, recycle and reuse of waste water, how to restore degraded lands, importance of various plants including bamboo for livelihood, solar to chemical conversion systems and devices, etc. The CSIR-NEERI Scientists explained the scientific principles in the laboratories and fields, and interacted with the students. The mathematics and origami expert Shri VSS Sastry demonstrated how mathematics can be used in visualising planetary sizes in solar system. Dr. Ashok Rupner, Program Manager, Indian Institute of Science Education and Research (IISER), Pune performed science and math's activities using papers, straw, syringe tubes and demonstrated pumps, generators, motors, spinners, gliders, etc. Shri Vilas Chaudhari and Shri Abhimanyu Bhelave from Raman Science Centre demonstrated several experiments relating to fundamental science.

The students were also involved in various science projects. Debate, quiz and poster competitions were also organised for the students. On concluding day, the students shared some ideas, thoughts and experiences based on their learning at CSIR-NEERI. Dr. Rakesh Kumar, Director, CSIR-NEERI advised the students to inculcate science in day-to-day activities. Dr. J.S. Pandey, Chief Scientist & Head, Climate Change & Skilling Division also guided the students.





Hands-on science experiments





Dr. Rakesh Kumar, Director, CSIR-NEERI and Dr. J S Pandey, Chief Scientist & Head, Climate Change and Skilling Division (CCSD) among the students and teachers



Dr. Rakesh Kumar, Director, CSIR-NEERI addressing the students and teachers in the concluding session



The students in a laboratory of CSIR-NEERI