

As part of the Atal Tinkering Labs (ATL) initiative, a Students-Scientists Interaction Program was organized for the project evaluation of various science projects created by the students on 19<sup>th</sup> February 2025 by the Jigyasa team from CSIR-Central Building Research Institute (CBRI), Roorkee at PM Shree KV School, Raiwala (Uttarakhand). The visiting team was led by Sh. Nadeem Ahmad (Chief Scientist & Nodal Officer) accompanied by Dr. Tabish Alam and Dr. Hemlata (Senior Scientists & Co-Nodal Officers) and were warmly received by the school's administration. The primary purpose of the visit was to evaluate a series of science projects developed by the students, providing them with an opportunity to demonstrate their understanding and application of scientific concepts.



The event featured an insightful lecture by **Sh. Nadeem Ahmad**, who highlighted the contributions of **CSIR-CBRI** in research and development (R&D). He elaborated on various R&D domains, including **building science, architecture and planning, energy efficiency**, and other key areas. Followed by this, the event saw enthusiastic participation from students

representing four schools—PM Shri KV, Raiwala DSB International School, Rishikesh, Reading Rainbow School, Shayampur and Maa Anandmayee Memorial School, Raiwala.



Students from diverse academic backgrounds came together to explore various aspects of science and technology, showcasing their ability to think innovatively and apply theoretical knowledge to practical applications. A total of 25 projects were presented and demonstrated during the session. These projects covered a wide range of topics such as Robotics, Atificial Intelligence, Electronic Sensors, Artificial Intelligence as well as smart technologies with the Latest AI uses etc. Each project was meticulously assessed by the **team of CSIR-CBRI** based on criteria including originality, scientific methodology, practical applicability, and presentation skills. Each project was a reflection of the students' creativity, analytical thinking, and problem-solving capabilities. The participating students explained their concepts in detail, demonstrating their understanding of scientific principles and technological applications. The evaluators were impressed by the students' innovative approaches. Constructive feedback was provided to each participant, highlighting strengths and suggesting areas for further enhancement. Key Highlights included that the session provided a platform for students to engage in collaborative learning and exchange ideas with their peers and mentors. At the conclusion of the event, the most innovative and well-executed projects were recognized. The **first-place award** was given to a project made by PM Shree KV School, Raiwala which demonstrated an efficient and practical approach to sustainable energy generation. The **second-place award** was given to the DSB International School, Rishikesh and the **third-place award** was presented again to the team of PM Shree KV School, Raiwala. The most outstanding project was made by the team of 2 students named Kashyap Kothiyal and Nilesh Nautiyal on the topic of Eco-friendly Ecosystem possessing Waste Management Vehicle Model. The ATAL Tinkering Lab session at PM Shri KV School, Raiwala, was a resounding success, as it encouraged students to think beyond textbooks and engage in applied science.

The visit concluded with mutual expressions of appreciation. The school authorities lauded the CSIR-CBRI team's efforts in mentoring and inspiring the students, while the visiting team commended the school's commitment to nurturing scientific talent.