



CSIR-Central Building Research Institute
Roorkee (Uttarakhand)
Student-Scientist Interaction
84th CSIR-FOUNDATION DAY
26th September, 2025

To mark the 84th CSIR (Council of Scientific & Industrial Research) Foundation Day, CSIR–Central Building Research Institute (CBRI), Roorkee, hosted an Open Day Program on 26th September 2025, highlighting its pioneering research, breakthrough technologies, and outstanding contributions to Building Science and Engineering. The event was aimed at introducing students, young professionals, and visitors to the Institute’s state-of-the-art research, technologies, and innovations in the field of Building Science and Engineering. The program drew enthusiastic participation from more than **50 Class X–XII students** with teachers from **PM Shri Kendriya Vidyalaya No. 1, Roorkee**.



The distinguished visitors were warmly welcomed by **Sh. Nadeem Ahmad, Chief Scientist, Dr. Neeraj Jain, Sr. Principal Scientist**, along with **Dr. Hemlata, Sr. Scientist, Dr. Naveen Nishant, Scientist**, and members of the ODS team. The event began with **Dr. Hemlata** leading the group into the **Dr. Billing Exhibition Gallery**, where she demonstrated the **Shri Ram Mandir Model** integrated with the unique **Surya Tilak mechanism**. **Dr. Neeraj Jain** then showcased and explained the **zig-zag draught kiln technology** for energy-efficient brick production, while **Dr. Naveen Nishant**, with his architectural background, highlighted the **architectural innovations** developed for **Navodaya Vidyalayas** across India. Among the other highlights of the event were the **prototype of safe demolition technology** for super twin towers and the **fire-proof retardant home shelters** designed for salt workers. These exhibits reflected

the Institute's commitment to **blending traditional wisdom with modern science** while addressing **national infrastructural and environmental challenges**.



Participants were also taken on **guided tours and interactive demonstrations** of the Institute's premier facilities, including the **National Earthquake Test Facility, Fire Safety Engineering Laboratory, and the Rural Technology Park**. They were introduced to pioneering R&D initiatives in **earthquake engineering, fire safety, sustainable rural technologies, and structural innovations**.



The Open Day program provided a unique platform for students to **interact with scientists**, witnessed **advanced instrumentation**, and understand the **real-world applications of research**. On this occasion, it was reiterated that **CSIR, New Delhi**, with its **37 national laboratories**, is among the largest publicly funded research organizations in the world. As one of its premier institutes, **CSIR-CBRI** continues to play a vital role in creating **sustainable, resilient, and innovative solutions** for the nation's infrastructure. The celebration was specially curated to **inspire young minds, spark scientific curiosity, and motivate the next generation of scientists, engineers, and architects** by connecting classroom learning with cutting-edge research. The event concluded on an inspiring note, reinforcing **CSIR-CBRI's vision of nation-building through science, technology, and innovation**.