

CSIR-CBRI Foundation Day

CSIR- Central Building Research Institute, Roorkee celebrated its **72nd Foundation Day** on **February 10, 2018**. **Prof. N. Raghavan**, Professor of Practice, IIT Chennai & Chairman, Research Council, CSIR-CBRI, Roorkee graced the occasion as Chief Guest and **Shri Kamal Kishore**, Member, National Disaster Management Authority, New Delhi as the Guest of Honor. **Dr. N. Gopalakrishnan**, Director, CSIR-CBRI, Roorkee presided over the function. In his Presidential Address, **Dr. N. Gopalakrishnan** expressed his gratitude and best wishes to everyone who has directly or indirectly made a contribution in this glorious journey of the Institute. He said that even though the Institute faced a great deal of difficulties but it has risen upto the challenge through its resilience and dedication. He assured that the Institute will continue to serve the nation by carrying out R&D in all aspects of housing and assisting the building industry.



Addressing the gathering, **Prof. N. Raghavan**, Chairman, RC said that CSIR-Central Building Research Institute, Roorkee is the crown jewel of civil engineering and has made unprecedented contributions for the growth and development of the nation. He encouraged the scientists and staff of the Institute to build sustainable, safe, cost-effective and durable cutting edge building techniques. He appealed to the scientists to be prepared for the upcoming challenges through discipline and self-inspection.



Shri Kamal Kishore in his address complimented CSIR-CBRI, Roorkee for making its mark on the whole world through its achievements. He said that the fingerprint of CSIR-CBRI, Roorkee can be found across the globe as they take inspiration from the R&D works of the Institute like reconstruction of villages after Uttarkashi earthquake by building Kedar Kutir, fire protection measures for Salar Jung museum etc. He encouraged the Institute to transit

from pilot projects to large scale projects, engage with the industry and make them reach the general public.



On this occasion the **Diamond Jubilee Director's Award for Best Research Paper** of Rs. 15,000/- and a citation was awarded jointly to Dr. Anindhya Pain, Shri V.S. Ramakrishna and Dr. S. Sarkar for the paper titled **“Seismic Transition Failure Analysis of MSW Landfill using Pseudo-Dynamic Approach”** and Dr. L.P. Singh, Shri W. Zhu and Ms. Usha Sharma for the paper titled **“Quantification and Characterization of C-S-H in Silica incorporated Cementitious System”**.



The **Diamond Jubilee Director's Award for Development of Best Technology** which has **Maximum Impact on the Society** of Rs. 10,000/- and a citation for each technology was awarded to four technologies- **“Design of High Draught Brick Kiln”** by Shri E.S. Heera Lal, Dr. A.K. Minocha, Shri S. Maiti, Dr. Neeraj Jain and Shri Vivek Sood; **“Building Products using Kota Stone”** by Dr. Rajni Lakhani and Shri Rajesh Kumar; **“Boring Machine for making Horizontal Bores under the Ground”** by Dr. S.K. Panigrahi, Shri Narendra Kumar, Shri R.S. Bisht and Shri Sameer; and **“Technology for Coal Ash Utilization through Geopolymer Concrete for In-Situ Construction”** by Ms. G. Ishwarya, Ms. Humaira Athar, Shri Rakesh Paswan, Md. Reyazur Rehman, Shri Jeeshan Khan, Shri S.K. Singh and Ms. Sandhya Deshwal.



Shri V.P.S. Rawat, Security Officer and Shri Sudhir Sharma, Ex- Technical Officer were awarded a Samman Patra and a Trophy in recognition of **Excellence in sports** at State level in the age category of 50+ and at International level in the age category of 61-72 respectively. A Samman Patra and a cash award of Rs. 3000/- was awarded to Shri Raj Singh, Security Guard in recognition of his **sincere and extra vigilance** in performing his duties in the year 2017-2018.



A Debate competition was organized under the supervision of **Shri Aman Kumar** on the topic ‘**Social Media-A Boon or a Curse**’ in which Shri Arpan Maheshwari stood first, Shri Sushil Kumar stood second and Shri Saksham Bhardwaj received the third prize. An **Essay Writing Competition** on the topic ‘**Women Empowerment: Key to National Development**’ was organized wherein Dr. Atul Kumar Agarwal stood first, Shri Ashish Kharkwal second and Dr. Rajni Lakhani received the third prize.



Dr. A.K. Minocha, Chief Scientist conducted the proceedings and presented the formal introduction of the Chief Guest. **Dr. Suvir Singh**, Chief Scientist presented the formal introduction of the Guest of Honor and proposed a vote of thanks.



On this occasion, the Institute was open for the students of the schools and colleges of Roorkee and the public at large. The students of **Kendriya Vidyalaya No. 1** and **Kendriya Vidyalaya No. 2** participated in the **Science Exhibition** under the “**Jigyasa-Quest for Curiosity**” student scientist connect programme organized in the supervision of **Dr. Atul Kumar Agarwal**, Senior Principal Scientist & Jigyasa Programme Coordinator.



The Exhibition also displayed the technical achievements of the Institute through the **display of the Institute Publications** including the Institute's Technical Brochures, Building Research Notes, Annual Reports, and Newsletters etc.

Prof. N. Raghavan, Mr. Kamal Kishore, and Dr. N. Gopalakrishnan, Director, CSIR-CBRI, Roorkee, along with other scientists of the Institute visited the exhibition, appraised the students' models and encouraged them.



Dr. Atul Kumar Agarwal also presented a lecture on **“Breaking Supertitions”**, asking the students to look for the facts & science behind things and to not fall for the myths prevailing in the society.



Students from **Kendriya Vidyalaya No. 1** Ravi and Kamal presented **“Stress Monitoring in Students App”** and **“Survivors Wheels”**; Amogh Chahal presented a model on **“Natural Resources”**; Simran and Harsh demonstrated **“Ecosan Toilets”** and **“Utilization of Biodegradable Waste from Train Toilets”**.



Students from **Kendriya Vidyalaya No. 2** Ismiti Bisht and Prachi Kashyap displayed their model on **“Resource Management”**; Abhishek, Akash and Ankit demonstrated a model of **“Air Filter”**; Sachin Bisht and Ravish presented a model on **“Fire Disaster Management”**; Upwan Pundir and Vibha Chauhan demonstrated a model on **“Water Body Conservation and Waste Management”**.

The students got an opportunity to **interact with the scientists** of the Institute and discuss their innovative ideas. The scientists and experts visited the exhibition, questioned the students, suggested improvements and encouraged them.

The students of various schools, superannuated staff of CSIR-CBRI, Roorkee and all the staff members of the Institute also witnessed the occasion besides other dignitaries.