



Skill Development Cell
Outreach & Dissemination Services Office
CSIR – Central Building Research Institute
Roorkee – 247667 (UK)



Training Course on
‘Conservation and Restoration of Heritage Structures’

BHAGVAN - A SEARCH
(Bharat Heritage and Grandeur reVitalizing National Assets)
July 19-21, 2023

CSIR-Central Building Research Institute, Roorkee has organized a three days training course on **‘Conservation and Restoration of Heritage Structures’** during July 19-21, 2023 under the aegis of CSIR Integrated Skill Initiative. This training course was aimed at familiarizing the participants on latest knowledge & skills using innovative tools & techniques in the area of Conservation and Restoration of Heritage Structures through online Structure Monitoring, Non-Destructing Evaluation, Non-Invasive Techniques for Foundation Studies, Effect of Underground Tunneling and Fire, Knowledge on Heritage BIM & Materials, Design & Investigation of Foundations, Structural Analysis Techniques, Hands-on training for Conservation using Lime Mortars, Solutions to Vegetation, Termites & Fungi, Case studies on Heritage Structures Conservation etc. The training course was attended by 30 working professionals/students across the nation.

The training course was inaugurated by **Prof. R. Pradeep Kumar**, Director CSIR-CBRI and while addressing to the participants, he emphasized on the history & importance of Indian heritage structures as a part of its unique cultural identity; he also highlighted the contributions of CSIR-CBRI in the conservation of heritage structures during the past two decades. He said that correct improvisation is the key to conservation by exactly evaluating the foundation technologies, materials & jointing mechanism of the heritage structures. Director has also suggested meticulous evaluation & predicting the anticipated disaster in the vicinity of these structures for providing the corrective strengthening measures. The event was coordinated by **Mr. Siddharth Behera & Dr. Debdutta Ghosh**, Sr. Scientists, CSIR-CBRI. Initially, **Dr. R. Dharmaraju**, Chief Scientist & Skill Nodal, CSIR-ISI welcomed the participants & colleagues and briefed about the three days’ activities of the training course. Subsequently, **Dr. Achal Mittal**, Chief Scientist & training coordinator has also highlighted the importance of this training course in the diverse field of conservation & restoration of historical structures throughout the country. During inaugural, Ar. S.K. Negi, Dr. Ajay Chourasia, Dr. D.P. Kanungo, Dr. S.R. Karade, Dr. PKS Chauhan, Mr. Nadeem Ahmad, Dr. Hemlata, Dr. Srinivas Rao, Mr. I.A. Siddique, Er. Abhinav Tyagi & Er. Saksham Bhardwaj etc. were also present.

During the technical sessions, participants have been made to understand the latest development and advance technologies on different aspects of conservation and restoration of heritage structures through technical presentations, hands on practices & demonstrations. A total of 15 lectures were presented by CSIR-CBRI scientists and external distinguished field experts during the training course. In addition, participants have also witnessed the Institute's R&D facilities, Rural Technology Park, Demonstration of NDT Instruments and Hands-on Practice for better understanding of tools & techniques for effective conservation of Heritage Structures. At the end, participants have also given their feedback and expressed the usefulness of this training course to their professional commitments and future career opportunities. The training course was thus concluded with the distribution of certificates and other relevant training materials.

List of Participants

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Glimpses of the Training Programme



Inaugural Ceremony



View of Participants



Group of Participants



Technical Sessions



Visit to CBRI R&D Laboratories and Rural Technology Park



Valediction & Certificate Distribution