



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



Training Course on
‘Durability and Repairs of RC Structures’
October 16-18, 2023

CSIR-Central Building Research Institute, Roorkee has organized a three days training programme on **‘Durability and Repairs of RC Structures’** during October 16-18, 2023 under the aegis of CSIR Integrated Skill Initiative. This training course was aimed at familiarizing the participants on latest knowledge & state of the art practices being used at national and international level for durability and repair issues of RC structures by addressing the causes and solutions to deterioration, seismic vulnerability and structural retrofitting, innovations in repair and rehabilitation, electrochemical methods of corrosion control, protective coating for durability enhancement, building foundations & its strengthening measures, High-performance retrofitting materials, Quality construction, NDT techniques & chemical analysis methods, Waterproofing of building structures etc. The programme was attended by 35 working professional’s/field experts/students of various institutions/organizations across the country.

The programme was inaugurated by **Prof. R. Pradeep Kumar**, Director CSIR-CBRI in the presence of **Dr. S.R. Karade**, Chief Scientist & training coordinator and **Dr. R. Dharmaraju**, Chief Scientist & Skill Nodal, **Dr. P.C. Thapliyal** and **Dr. R. Siva Chidambaram**. In his inaugural address, **Prof. R. Pradeep Kumar** has emphasized on the R&D activities of CSIR-CBRI and its achievements in serving the society & nation. He also mentioned about the importance and challenges in the field of durability by highlighting the need of building strengthening measures, adaptation of new construction technologies etc. Initially, **Dr. S.R. Karade**, Chief Scientist & training coordinator has welcomed the participants & other colleagues and briefed about the three days’ activities of the training course and gave a concise background of building repairs and strengthening measures. Subsequently, **Dr. R. Dharmaraju** has appraised about the training courses & student’s trainings being organized in the institute and also highlighted the importance of this training course in the diverse field of durability and repairs of RC structures. The event was anchored by **Dr. Hemlata**, Scientist. During inaugural, several CSIR-CBRI scientists and technical staff namely Ar. S.K. Negi, Dr. Achal Mittal, Mr. Nadeem Ahmad, Er. Rajesh Kumar, Er. Reyazur Rehman, Dr. Jeeshan Khan, Dr. Govind Gaurav, Dr. Prasanta Kar, Er. Saksham Bhardwaj, Er. Abhinav Tyagi and others were also present.

During this three days' training programme 10 technical presentations were given by various CSIR-CBRI scientists through which participants have gained advanced knowledge on different aspects of durability and repairs of RC structures. In addition, participants have also witnessed the Institute's R&D facilities, Hands-on training on Strengthening of RC elements & live video demonstration on chemical analysis etc. Subsequently, participants have also given their feedback and expressed the worth of this training programme to their professional commitments and future career opportunities. The training programme finally concluded with the distribution of certificates and other relevant training materials.

List of Participants

S. No.	Name & Address	Mobile No.	Email ID
1	Mr. Akshay Bhoite Ulwe, Mumbai	7700054263	bhoiteakshay105@gmail.com
2	Mr. Gourav Kumar Muzaffarnagar, U.P	9319697163	gourav.r.kumar@adityabirla.com
3	Mr. Satendra Singh Rohtak, Haryana	9536012617	satendra.s@adityabirla.com
4	Mr. Manik Suri Jammu, J&K	9419176762	maniksuri7@gmail.com
5	Mr. Sachin Balkrishna Kandekar Ahmednagar, Maharashtra	9890004028	sachin.kandekar@avcoe.org
6	Ms. Pinki Rani Ghaziabad, U.P.	7494954938	pinki.rani@adityabirla.com
7	Mr. Rahul Kumar Gupta Udaipur, Rajasthan	8619450892	rahul.g@adityabirla.com
8	Mr. Lal Bahadur Bairwa Jodhpur, Rajasthan	8955432969	lalbahadur.bairwa@adityabirla.com
9	Mr. Naman Kapoor Badaun, U.P.	9717445114	naman.kapoor@adityabirla.com
10	Mr. Souvik Dey Durgapur, West Bengal	9002989211	sdey@structural-india.com
11	Mr. Rajat Sharma Mandi, H.P	9857387320	rajat.s.sharma@adityabirla.com
12	Mr. Simarpreet Singh Aneja Amritsar, Punjab	7837836216	simarpreet.aneja@adityabirla.com
13	Mr. Akshay Tyagi Muzaffarnagar, U.P.	8802893410	tyagiakshay856@gmail.com
14	Mr. Mohd Naim Moradabad, U.P.	7417432942	mohd.naim@adityabirla.com
15	Mr. Anish Lakhera Jabalpur, M.P.	7974440273	anish26111994@gmail.com
16	Ms. Divya Rawat Arun Vihar, Noida, U.P.	8800232199	divya.rawat@adityabirla.com
17	Mr. Harshdeep Singh Kohara, Ludhiana	9888494934	harshdeep.singh@adityabirla.com
18	Ms. Swarnika Jaipur, Rajasthan	7230043705	swarnika.s@adityabirla.com

19	Mr. Aakash Rathore Jaipur, Rajasthan	9549494910	aakashrathore7773@gmail.com
20	Mr. Mehetre Praveen Ranganath Sangamner, Maharashtra	9356525175	praveen.mehetre@avcoe.org
21	Mr. Blessen Skariah Thomas NIT Calicut	9946857587	blessen@nitc.ac.in
22	Mr. Avinash Mahajan Tal Amalner, Jalgaon	7208177504	amahajan@structural-india.com
23	Ms. Priya S Nair MNIT Jaipur, Rajasthan	9847816681	2020rce9031@mnit.ac.in
24	Mr. Nahushananda Chakravarthy H G Tumakuru, Karnataka	7619193649	chakravarthy@sit.ac.in
25	Ms. Lintu Rajan NIT Calicut	9946857587	chaprathu44@gmail.com
26	Mr. Kapil Saini JIPMER, Puducherry	7338141531	ks.tkd129@gmail.com
27	Mr. Mangesh Ashokrao Pande Gurugram, Haryana	7827219181	pandemangesh@ymail.com
28	Ms. Ravinder Kaur Sandhu Dehradun, Uttarakhand	9417465974	ravinder_sandhu29@hotmail.com
29	Mr. Sakthibalan N Mudaliarpur, Puducherry	8148836285	sakthibalan.civil@gmail.com
30	Mr. Abhishek Kumar Tezpur, Assam	8787408251	abhishek.track@gmail.com
31	Mr. Naman Mukesh Lucknow, U.P.	9369423440	namans744@gmail.com
32	Mr. Akshay Sitaram Khapare Ratnagiri, Maharashtra	8605482966	akhapare@structural-india.com
33	Mr. Raju Kumar Maurya CEERI, Pilani	7068002458	rajumaurya@ceeri.res.in
34	Mr. Kundan Kumar Patel CEERI, Pilani	6394807326	kundaniert1997@gmail.com
35	Mr. Amritpal Singh Patiala, Punjab	9876648084	amritpal2012@gmail.com

Glimpses of the Training Programme



Inaugural Ceremony



View of Participants



Group Photograph



Technical Session by Director, CSIR-CBRI



Technical Sessions

सिबीआरआई

रुड़की, कार्यालय संवाददाता। सीएसआईआर-सीबीआरआई में प्रबलित कंक्रीट संरचनाओं का स्थायित्व और मरम्मत विषय पर तीन दिवसीय कौशल विकास प्रशिक्षण कार्यक्रम संपन्न हो गया।

सीएसआईआर-सीबीआरआई के निदेशक प्रो. आर प्रदीप कुमार ने इंजीनियरों से आरसी संरचनाओं की मरम्मत और रेट्रोफिटिंग में नई तकनीकों के प्रयोग का आह्वान किया। कहा कि मरम्मत और रेट्रोफिटिंग के क्षेत्र में नवीनतम उपकरणों और तकनीकों से संरचनाओं को मजबूती दी जा सकती है।

इस दौरान आरसी संरचनाओं के संरक्षण एवं कारण, निर्माण में गुणवत्ता निबंधन- मुद्दे एवं चुनौतियाँ, आरसी संरचनाओं का पुनर्वास तथा मरम्मत

रुड़की सीबीआरआई में प्रबलित कंक्रीट संरचनाओं का स्थायित्व एवं मरम्मत विषय पर आयोजित कार्यक्रम में प्रतिभागियों को सम्मानित करते संस्थान के निदेशक।

के नए-नए तौर तरीके, भूकम्प प्रभावित संरचनाओं की संरचनात्मक रेट्रोफिटिंग, भवन नींवों की विकलता तथा सुदृढ़ीकरण के उपाय, निर्माण संरचनाओं को जलरोधी बनाना, आदि पर व्याख्यान दिए गए।

कार्यक्रम में डॉ. एसआर कराडे, इंजी. राजेश कुमार, प्रो. एस्के सिंह, डॉ. अजय चौरसिया, डॉ. एस. गणेश कुमार, डॉ. आर. शिवा चिदम्बरम, डॉ. पोसी थपलियाल, डॉ. जिशान खान, डॉ. गोविन्द गौरव आदि ने व्याख्यान दिए। डॉ. शिवा चिदम्बरम ने समारोह का संचालन किया। डॉ. हेमलता ने सभी का आभार जताया। इस अवसर पर डॉ. आर धर्मराजु, डॉ. एसआर कराडे, नदीम अहमद, अभिनव त्यागी आदि उपस्थित रहे।

Media Coverage