



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



Training Course on
‘Landslide Disaster Mitigation with Special Reference to Infrastructures’
August 02-04, 2023

CSIR-Central Building Research Institute, Roorkee has organized a three days training course on *‘Landslide Disaster Mitigation with Special Reference to Infrastructures’* during August 02-04, 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 multidimensional era of Landslide Disaster Mitigation through Landslide Vulnerability & Risk Assessment, Geophysical techniques, Stability Analysis of Fractured Rock Slopes, Finite & Infinite Slope analysis, Rock fall Modelling, Landslide Early Warning System & Control Measures, Geo-synthetic Reinforced Slopes & Walls, Debris Flow Modelling, Micro pile Reinforcement Techniques, Risk Assessment & Deformation Studies and Application of Drones etc for effective Landslide Mitigation & Management. The training course was attended by 23 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 that landslides are multi-disciplinary approach which deals in all the parameters beneath the earth. To handle this disaster effectively, distinct professional’s needs to work in collaboration for generating best results based on different problem areas. He also discussed about the 6 steps of disaster management cycle and its significance. The event was coordinated by **Dr. D.P. Kanungo**, Chief Scientist & **Dr. R. Dharmaraju**, Chief Scientist & Skill Nodal, CSIR-ISI. Initially, **Dr. PKS Chauhan**, Sr. Principal Scientist welcomed the participants & other colleagues and briefed about the three days activities of the training course. The event was co-coordinated by **Dr. Anindya Pain & Dr. Koushik Pandit**. Later, **Dr. R. Dharmaraju** appraised about the training course and highlighted the contributions of CSIR-CBRI in eradication of landslide disasters in past three decades. Subsequently, **Dr. D.P. Kanungo**, Chief Scientist & training coordinator has also highlighted the importance of this training course in the diverse field of Landslide Disaster Mitigation throughout the country. During inaugural, several Scientists & technical staff namely Dr. Hemlata Jaiswal, Mrs. Gayatri Devi, Er. Saksham Bhardwaj & Er. Abhinav Tyagi etc. were also present.

Through various technical sessions delivered to the participants, they were understood on the latest development and advance technologies on different aspects of early warning system and control measures of landslide disasters through technical presentations, hands on practices & demonstrations. A total of 12 lectures were presented by CSIR-CBRI scientists during the training course. In addition, participants have also witnessed the Institute's tools & techniques, R&D facilities and Construction Technology Demonstration Park for better understanding of landslide behavior. In 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 Construction Technology Demonstration Park



Valediction & Certificate Distribution