

ACTIVITY REPORT

Name of Event	3 day International Webinar on "Durability, Design and COstruction Aspects of Brides"
Date and Venue	May 29-31, 2020 (Online Mode)

Course Content

The three day internaional webinar on "Durability, Design and COstruction Aspects of Bridges" was organised by ICI in association with CSIR. The webinar was specially designed for Highway Engineers/Professionals/Policy-Makers/ in Government and Private Sector, Consultants, Concessionaires, Faculty and Students. The Webinar focussed on most of the core issues related to National Highways Development Projects including Best Practices and Ethics, geotechnical investigations, design of temporary structures, strategies for enhanced service life of bridges, challenges in design and construction of durable bridges, overview of seismic design and bearings and expansion joints for bridges and few case studies on iconic bridges.

During the course, insightful presentations on various topics were delivered by eminent speakers. The topics of presentation included an Overview on Durability Design and Construction Aspects, International Concepts in Construction of Bridges, Ethics in Civil Engineering and Durability of Concrete, Geotechnical investigations and Box Push Technology of underpasses, Preventive Measures during Construction for Enhanced Service Life, Precautions in Design for Temporary /Form Works of Structures, Overview of National Highways Development Projects, Issues and Best Practices for its seamless Implementations in India, Overview of design of bridges as per IRC 112, Challenge in Design and Construction of Foundation, Special Features in the Execution, Design and Construction of Iconic Structures- Case study on Signature Bridge, Overview on Seismic Design of Bridges, Overview on Bearing and Expansion joints of Bridge, Strategies for Design and Construction of Durable Bridges, Challenges in the Construction of bridge in the Strategic locations, Case Studies in Accelerated Construction Techniques and Advances in Waterproofing Technologies for Concrete Structures.

Expected Benefits Derived and How it will be helpful to the College

This three day International webinar was a loaded and an enriching experience. It has been instrumental in imparting me deeper knowledge on durability and construction aspects of concrete structures and will hence be useful for my ongoing research and regular teaching assignments at the college.



Yuvraj Singh

Signature of Participant