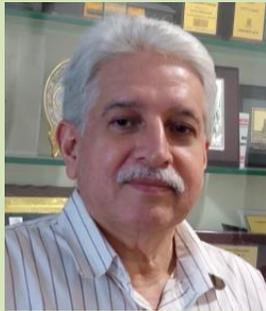




# Webinar on Conceptual Design of Bridges

Friday, 25 June 2021 from 04:00 PM to 06:00 PM (IST)

## SPEAKER



**Mr. V. N. Heggade, FNAE**  
Chief Executive Officer (CEO)  
STUP Consultants Pvt Ltd

INSPIRATION

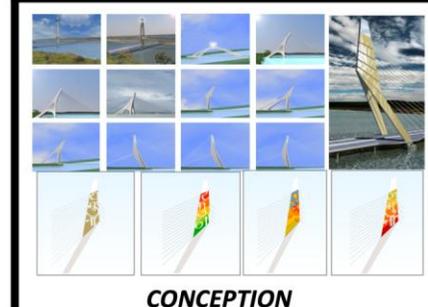


ABSTRACTION

REALITY



CORROBORATION



CONCEPTION

SCIENCE

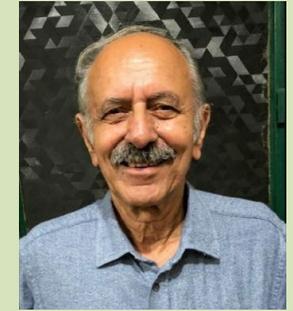


CREATION

ACTUALISATION

*Model of determinants for Conceptual Design*

## MODERATOR



**Prof. Mahesh Tandon, FNAE**  
Int. PE (India)  
GC member & Past President, IAStructE

## PANELISTS



**Mr. Jose Kurian**  
Senior Project Advisor  
KIIFB



**Prof. (Dr.) Mike Schlaich**  
Partner, schlaich bergemann partner  
(sbp)



**Dr. Harshavardhan Subbarao**  
C&MD, Construma Consultancy  
Pvt. Ltd.

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## Indian Association of Structural Engineers

For details please contact us at [iastructe@gmail.com](mailto:iastructe@gmail.com)



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## About the Speaker

Mr. V. N. Heggade presently, the Chief Executive Officer (CEO), STUP Consultants & former Executive Director of Gammon is a senior professional with a rich experience of over three and half decades in Construction sector in the areas of Design Management, Technical Management, Site Management, Project Management & Contract Management of Highways, Bridges, Energy structures like Chimneys & Cooling towers, Environmental, Marine and Hydraulic structures.

He is a recipient of around 10 National from various institutions, like IRC, ICI, NDRF, IBC recognitions in addition to an International prize from IABSE. He has more than 150 publications in journals & conferences and is a member of various IRC (Indian Roads Congress) and BIS (Bureau Of Indian Standards) committees. He is also a member of TG 10.1 of Federation Internationale Du Beton, which is a special Task Group working on FIB Model code 2020. Apart from being on Technical Board of ICI (Indian Concrete Institute), he is also a Fellow of Indian National Academy of Engineering (FNAE).

## About the Topic

*“Conceptual Design of Structures is a process of Form Finding by incorporating aesthetics while being germane to socio cultural context”--- V N Heggade*

The concept of design process imbibing motivations for the given contexts dates back to 525 BC of ancient Greek Architecture. The structural forms used were lintels, columns and walls and they were conscious attempts to make structures aesthetically appealing. The Roman architectural revolution gave rise to new structural forms like arches, domes and vaults. The invention of these structural forms culminated in sturdy aqueducts and bridges.

The form finding and aesthetics have been always integral part of the conceptual design, though there has been no evidence of proceduralising the process of conceptual design consciously. Even on date, the conceptual design is not always taught in universities as such countless anonymous, frequent utility structures can be seen around.

In the webinar, after deliberating the form finding and aesthetics aspects, Mr Heggade will give his own model for the process of conceptualization with an illustration of an iconic Signature Bridge at Delhi where he was fully involved in construction.