





30-HOURS BASIC COURSE ON DESIGN AND CONSTRUCTION ASPECTS OF BRIDGES

26-11-2021 to 18-12-2021

26 Nov 2021 27 Fri / Sat

03 Dec 2021 04 Fri / Sat 10 Dec 2021 11 Fri / Sat 17 Dec 2021 18 Fri / Sat

(2:00 to 6:00 pm IST)

ORGANIZED BY

INDIAN INSTITUTION OF BRIDGE ENGINEERS

&

SINHGAD COLLEGE OF ENGINEERING, PUNE



INDIAN INSTITUTION OF BRIDGE ENGINEERS (IIBE)

IIBE was founded by Late Er. M. C. Bhide in the year 1989 with the consent of more than 2000 Engineers. It is a unique professional institution dedicated to the art and science of bridge engineering. With over 6500 members spread across India and worldwide, IIBE is active in 33 states and local centers. There are 169 institutional members in this association. Since its foundation, IIBE has published over 29,200 pages of technical literature. IIBE has also held eleven Most Outstanding Bridge National Award competitions.

The mission of IIBE is

- Bridging the Gaps: Inter-Continent & Intra-Continent
- Building Bridges of Camaraderie, Understanding, Friendship and Co-operation among Engineers not only of India but of the World.



SINHGAD COLLEGE OF ENGINEERING, PUNE

Sinhgad College of Engineering is a private, unaided institution that was established in the year 1996 under the dynamic leadership of Prof. M. Navale.

The institute offers eight undergraduate and four post-graduate programmes and is recognized as a Ph.D. research center. It has a total under-graduate and post-graduate enrolment of 1200 and 330 students, respectively. Currently, there are 126 students registered for Ph.D. with this research center. All the courses are approved by the All India Council for Technical Education (AICTE) and affiliated with Savitribai Phule Pune University, Pune (formerly University of Pune).

ABOUT THE COURSE

With the development in the infrastructural activities, the importance of Bridge Engineering has increased in multi-folds. Bridge Engineering is one of the most interesting fields in Civil Engineering. Building bridges are categorized in high demanding engineering projects and there is dire need that the civil engineers get to expose themselves to at least the basics of design and construction aspects of bridges. Bridge engineering, on the other hand, has been confined to an elective subject in most institutions' curricula, not only at the undergraduate but also at the graduate level.

For the first time, the Indian Institution of Bridge Engineers and Sinhgad College of Engineering, Pune are collaborating to provide a 30-hour basic course on Design and Construction Aspects of Bridges. This course is open to students in their third and final years, as well as postgraduate students, freshers, faculty, interns, trainee engineers, and anyone else interested in bridges.

The expert speakers will be presenting the fundamentals of bridge engineering including analysis, design and construction aspects. Introduction to bridge types, bridge hydraulics, overview of various IRC codes, standard loadings and load combinations, limit state design, deck slab bridge, prestressed concrete bridge, steel concrete composite bridge, box-culvert with software application, elementary study on seismic design and detailing of highway bridges, foundations, bridge bearings, and finally covering the construction aspects of bridges would be covered.

The course will be conducted online on Zoom platform. All the sessions are scheduled during the weekends. All registered participants will receive the certificate of participation. An optional MCQ examination will be held one week after the course ends, and those who choose to take it will receive a special course completion certificate.

INDIAN INSTITUTION OF BRIDGE ENGINEERS (IIBE)



Er. D. G. Diwate
Principal Chief Engineer, Indian
Railway - Retd.
Director General, IIBE



Er. Vinay Gupta
Director & CEO Tandon
Consultant Pvt. Ltd.
President, IIBE



Dr. Gopal RaiDirector
Dhirendra Group of Company
Hon. Secretary, IIBE



Er. P. R. Kelkar
Proprietor
Kelkar Engineers &
Erectors
Hon. Treasurer, IIBE



Er. Swapnil Joshi Project Planning & Strategy Consultant, Intento Associates Hon. Secretary, IIBE



Adv. Ruhi Agrawal Coordinator, IIBE



Er. Deepika Singh Coordinator, IIBE

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Er. Sachin S. Date Hon. Secretary



Er. Anil R. Panjwani Hon. Jt. Secretary & Treasurer

SINHGAD COLLEGE OF ENGINEERING, PUNE

OUR PATRONS



Prof. M. N. Navale Founder President STE Society, Pune



Dr. Sunanda M. NavaleSecretary
STE Society, Pune



Mr. Rohit M. Navale Vice-President (HR) STE Society, Pune



Mrs. Rachana Navale Ashtekar
Vice-President (Admin)
STE Society, Pune

ORGANISING COMMITTEE



Dr. Jyoti BhusariCourse Coordinator



Dr. Manjunath V. BhogoneCoordinator



Dr. S. S. ShastriHead of Civil Engineering
Department



Dr. S. D. LokhandePrincipal



Swapnil Walzade Member



Shradha Behede Member

SPEAKERS



Introduction to forms of bridges

Er. Vinay Gupta

Director & CEO

Tandon Consultants Pvt Ltd, New Delhi

26th Nov 2021 (Friday) 2:30 to 4:00 pm (IST)



Planning of bridge spans & foundations
Er. R. K. Goel
Chief Engineer, Western Railway, Mumbai
26th Nov 2021 (Friday) 4:00 to 4:30 pm (IST)



Bridge hydraulics & methods of estimation of design discharge

Er. Sanjay Khare

Sr. Professor, IRICEN, Pune

26th Nov 2021 (Friday) 4:35 to 5:15 pm (IST)



Hydraulic design calculations for minor bridges Shri. Neeraj D. Desai
Director, M/s D. D. Desai A E C & A. Pvt. Ltd.
26th Nov 2021 (Friday) 5:20 to 6:00 pm (IST)



Overview of various IRC codes and detailed study of standard loadings and load combinations

Er. Anil Panjwani

Managing Director

ACME Structural Consultants, Pune

27th Nov 2021 (Saturday) 2:00 to 4:00 pm (IST)



Limit state design as per IRC 112, Part I & Part II Er. Umesh Rajeshirke

MD, Spectrum Techno Consultants Pvt Ltd. Mumbai. 27th Nov 2021 (Saturday) 4:00 to 6:00 pm 3rd Dec 2021 (Friday) 2:00 to 4:00 pm (IST)



Deck slab bridge Dr. Manjunath V. Bhogone

Department of Civil Engineering
Sinhgad College of Engineering, Pune
3rd Dec 2021 (Friday) 4:00 to 6:00 pm (IST)



Steel Concrete composite bridge **Prof. Arul Jayachandran**

Professor, Department of Civil Engineering Indian Institute of Technology Madras, Chennai **4**th Dec 2021 (Saturday) 2:00 to 3.30 pm (IST)



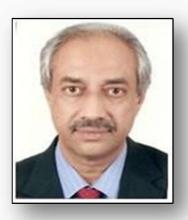
Overview of concepts of prestressed Concrete **Prof. Jyoti Bhusari**

Department of Civil Engineering
Sinhgad College of Engineering, Pune
4th Dec 2021 (Saturday) 3.30 to 4.15 pm (IST)



Prestressed concrete bridges - Part I & Part II Prof. S. Suriya Prakash

Professor, Department of Civil Engineering, Indian Institute of Technology Hyderabad, Hyderabad 4th Dec 2021 (Saturday) 4:15 to 6:00 pm (IST) 10th Dec 2021 (Friday) 2:00 to 4:00 pm (IST)



Design of box-culvert

Dr. Harshavardhan Subbarao

Managing Director

Construma Consultancy Pvt Ltd. Mumbai

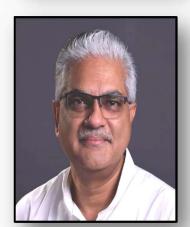
10th Dec 2021 (Friday) 4:00 to 5:00 pm (IST)



Design of box-culvert with software application-MIDAS

Er. Nivedita Kumar

Senior Technical Support Engineer, MIDAS India Pvt Ltd., Mumbai 10th Dec 2021 (Friday) 5:00 to 6:00 pm (IST) 11th Dec 2021 (Saturday) 2:00 to 3:00 pm (IST)



Seismic design and detailing of highway bridges **Prof. C.V.R. Murthy**

Professor, Indian Institute of Technology Madras, Chennai 11th Dec 2021 (Saturday) 3:00 to 4:30 pm (IST)



Introduction to foundations for bridges Er. Anjeyneyulu Chunchu

Chief Consultant
Pragati Consultants, Hyderabad
11th Dec 2021 (Saturday) 4:30 to 6:00 pm (IST)



Introduction to bridge bearings Er. Jitendra Rathor

General Manager
Sanfield (India) Limited, Bhopal
17th Dec 2021 (Friday) 2:00 to 4:00 pm (IST)



Steel open web truss bridges **Prof. Arul Jaychandran**

Professor, Department of Civil Engineering Indian Institute of Technology Madras, Chennai 17th Dec 2021 (Friday) 4:00 to 6:00 pm (IST)



Construction aspects of concrete road bridges Er. V. N. Heggade

Former CEO, STUP Consultants & Former ED of Gammon 18th Dec 2021 (Saturday) 2:00 to 3.30 pm (IST)



Construction aspects of steel bridges Er. Atul Bhobe

Managing Director & Chairman
TPF Engineering Pvt. Ltd., Navi Mumbai
18th Dec 2021 (Saturday) 3.30 to 5.00 pm (IST)

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REGISTRATION

To register, please visit:

https://www.iibe.in/design_course.php

The registration fees are as per the category of registration

StudentRs. 500 (INR)

Faculty Rs. 1000 (INR)

IIBE member Rs. 1250 (INR)

Non-IIBE member Rs. 2000 (INR)

- All registered participants will receive the certificate of participation
- All the sessions will be delivered on Zoom platform

EXAMINATION

An optional MCQ examination will be held one week after the course ends, and those who choose to take it will be required to pay an additional fee of Rs. 1,000/-. Those who pass the exam will receive a special course completion certificate.

Participants can become the life member of IIBE by paying membership fees of Rs 6000. Visit www.iibe.in for details. Registration link to apply for membership - https://www.iibe.in/join.php



INDIAN INSTITUTION OF BRIDGE ENGINEERS

A-3031, Oberoi Garden Estate, Chandivali Andheri East, Mumbai - 400 072.

Contact - Mrs. Ruhi Agarwal 07710059954 / 022-28575786

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