



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 Institutes

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. N. 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



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Director
Dhirendra Group of Company
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Kelkar Engineers &
Erectors
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Strategy Consultant,
Intento Associates
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Adv. Ruhi Agrawal
Coordinator, IIBE



Er. Deepika Singh
Coordinator, IIBE

INDIAN INSTITUTION OF BRIDGE ENGINEERS PUNE CHAPTER



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Hon. Chairman



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. Navale
Secretary
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 Bhusari
Course Coordinator



Dr. Manjunath V. Bhogone
Coordinator



Dr. S. S. Shastri
Head of Civil Engineering
Department



Dr. S. D. Lokhande
Principal



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

4th 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 Bhohe

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
 - Student Rs. 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

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Contact - Mrs. Ruhi Agarwal

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