

## MESSAGE FROM THE PRESIDENT



Dear Friends,

Greetings!!

Month of August was very hectic for the association. During this month panel discussion on draft code IS 16700 was organized. It generated lot of discussions and we believe structural engineering community will send its comments to BIS for consideration. Our online workshop on "Design and Construction of Short and Medium Span Concrete Bridges" also concluded this month. It was successful event in terms of participation, quality content & sponsorship. I highly appreciate the efforts of its course coordinator Mr. Sandeep Pattiwar and other learned speakers. Next refresher course on "Pile Foundation – Application in Buildings & Bridges" shall be launched on 17th September 2022 with Mr. Mainak Ghoshal as its course coordinator. You are requested to promote this course to your interested friends. Many other technical events are in the pipeline and shall be announced soon. Two issues of Structural Engineering Digest (SED) [July-Sep & Oct-Dec] on the theme 'Dams & Hydraulic Structures' & 'Structural Fire Safety' respectively are in the process. You may like to contribute papers/case studies for these prestigious publications. It is a matter of great satisfaction that a new student chapter of IAStructE has been inaugurated at IIIT-Hyderabad on 29th August 2022. My thanks to Prof. R. Pradeep Kumar & Prof. P Praveen Kumar for making it happen. An Extra ordinary general [EGM] meeting of IAStructE was held on 26th August 2022 to consider & adopt amended Byelaws. Byelaws have been amended to make them more effective.

This month also witnessed a much-awaited demolition of Supertech twin towers in NOIDA. It was executed successfully, and the event was extensively covered by media. However, we are also planning to organize some event covering technical aspects of demolitions.

I request you to actively participate in the activities of the association. Send your suggestions & feedbacks. If you wish to initiate or lead any program, do write to us. IAStructE will provide all kind of support.

Best regards & Stay Safe.



Manoj Kumar Mittal  
President-IAStructE

## FROM THE EDITOR'S DESK



August 2022

Warm greetings to all the readers!!

The present issue covers the glimpses of the EGM conducted for approval of the amended Byelaws, an interesting report by a team of structural engineers who visited the twin tower site which is to be demolished is also covered along with the details of the knowledge dissemination activities. Request all our readers to give feedback on the newsletter as well as the SED journal for improvement. Readers are requested to contribute for the upcoming SED journal. Request all our readers to follow, subscribe and like IAStructE events on all digital platforms.

Thanks & Regards,



Dr. Visalakshi Talakokula

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## **Site Visit:**

### **Demolition of Supertech Twin Tower, Sector 93A, Noida**

A team of Structural Engineers from IAStructE visited the demolition site on 16th August 2022, where the preparation was going on in full swing for the safe demolition of the 100m tall twin towers. The team was led by Mr. Alok Bhowmick, Past President (IAStructE) and comprised of 15 engineers from different organizations. Mr. Mayur Mehta, Project Manager from EDIFICE ENGINEERING was kind enough to explain the planning and other technical details pertaining to demolition of the building. He also took the visitors inside the building at ground floor level and showed them practically all the salient technical features of the proposed demolition plans. Broad features of the proposed demolition details are shared below:

- a) On the order of the Supreme Court the twin towers named Apex and Ceyane built by Supertech were to be demolished latest by 22nd May 2022.
- b) The agency responsible for the demolition of the twin tower was M/S EDIFICE ENGINEERING. Edifice Engineering is a Mumbai-based contracting firm that specializes in High Reach Demolition works.
- c) A test blast was conducted by the executing agency on 10th April 2022 to assess the quantum of blast load needed. The test revealed that the building was stronger than anticipated. Therefore, it submitted its report to CBRI (Central Building Research Institute) and requested to delay the process as more explosives and planning were to be required. Based on the report of CBRI, the Supreme Court rescheduled the final blast date from earlier 22nd May to 28th August 2022.
- d) Blast was taken place on 28th August. The whole demolition was taken place in approximately 9 seconds. It was a controlled blasting and there was a time difference (in milli-seconds) in blast at different floor levels. Initial blast was started on lower floors and then subsequent blasts at upper floors.
- e) SUPERTECH's Emerald court apartments were just 9 meters away from the twin towers. Planning for the blast was therefore done in a manner such that the post-blast debris fall away from the adjacent towers.
- f) As a matter of safety precaution, an area covering a stretch up to 250 meters on 3 sides of the tower and 450 meters on the front roadside of the tower was sanitized and cordoned off at the time of the blast. Even the expressway was also closed for 15-30 minutes at the time of the blast.



*Fig 1. Some photographs from demolition site visit*

## Webinars / Events Conducted:

### 1. Online webinar on Draft Revision of Code IS: 16700, applicable for Tall Concrete Buildings

Online webinar on Draft Revision of Code IS: 16700, applicable for “Tall Concrete Buildings” was organized on 19th August 2022. The aim of this webinar was to understand and discuss the proposed revisions in the TALL CONCRETE BUILDING code, i.e., appraisal of the current code and the impact of proposed amendments to the code. Prof. Yogendra Singh, Professor, IIT Roorkee, was the keynote speaker and he highlighted the broad features of the current code including the proposed amendments and future codes for Tall Buildings which are in the pipeline. He also highlighted the expectations from the code committee for improvement. It was moderated by Mr. Alok Bhowmick, Immediate past President, IAStructE. President welcome the members and also participated in the discussion.

The following were the expert panelist for this webinar.

Prof. Mahesh Tandon, Past President & GC member, IAStructE

Mr. Abhay Ghate, Chairman Emeritus, Optimal Consultancy Services Pvt. Ltd.

Ms. Sangeeta Wij, Managing Partner, SD Engg. Consultants LLP, GC Member, IAStructE

Mr. Vipul Ahuja, CEO, Ahuja Consultants Pvt. Ltd. GC member, IAStructE

Mr. Girish Dravid, Managing Director, Sterling Engineering Consultancy Services Pvt. Ltd.

All panelists and participants were requested to send their comments of draft report directly to BIS or to us, we will forward it to the BIS. The video of the webinar is made available at the YouTube channel of IAStructE for the benefit of the stakeholders who couldn't attend the event. This can be viewed from the following link: <https://youtu.be/BUHhzyY6UCo>



Fig. 2. Glimpses from the Online Webinar

### 2. Online webinar on "Modelling, Analysis, & Design of Extradosed Bridge in MIDAS Civil - A Case Study"

An online webinar on "Modelling, Analysis, & Design of Extradosed Bridge in MIDAS Civil - A Case Study" was organized on 24.08.2022 with association to MIDAS. Er. Devjyoti Paul, Project Manager, B&S Engineering Consultants Pvt. Ltd. was the speaker for this webinar.

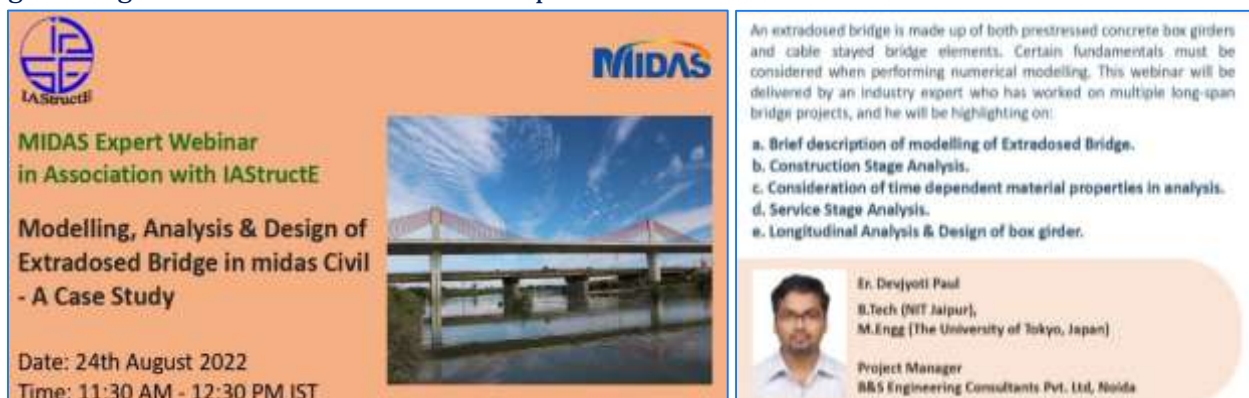


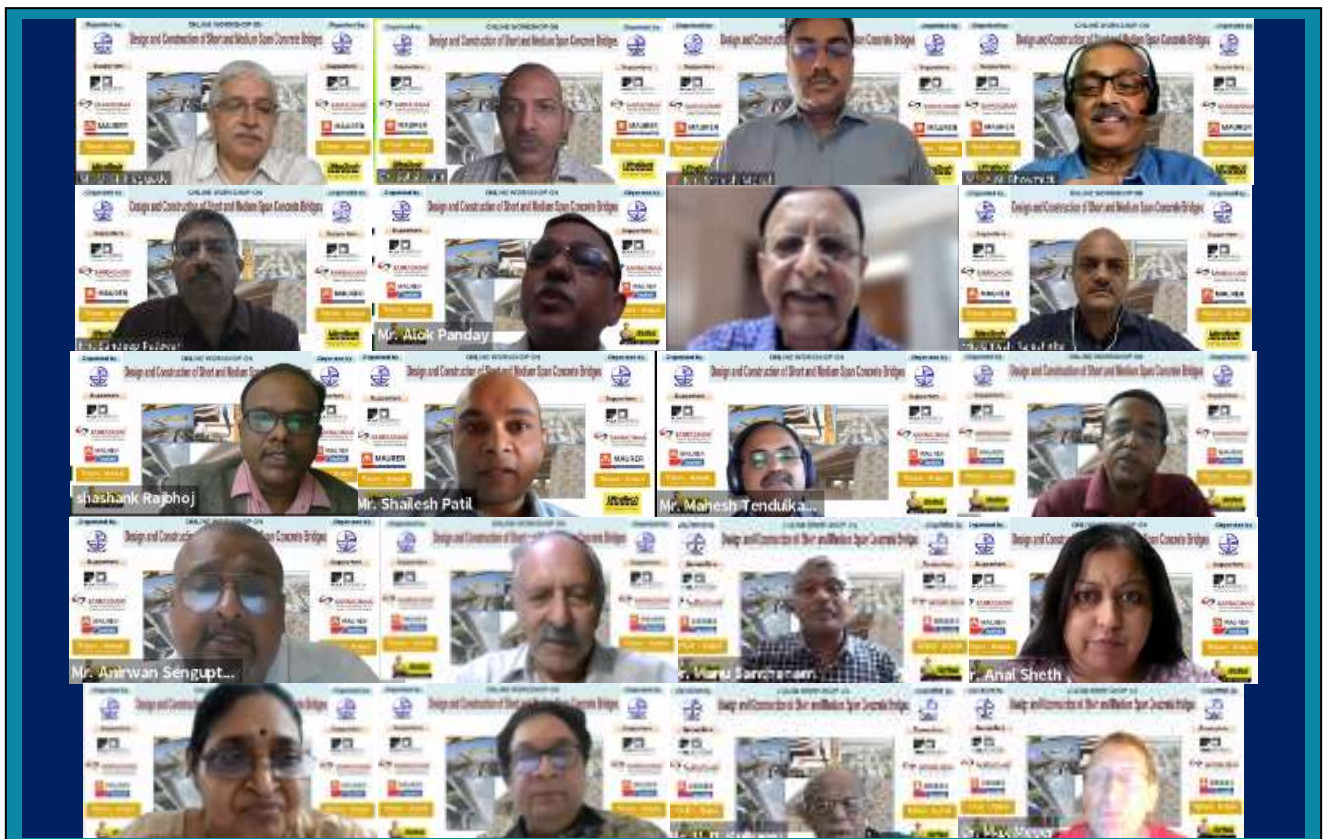
Fig. 3. Poster of webinar



### 3. Online workshop on “Design and Construction of Short & Medium Span Concrete Bridges”

Online Workshop on “**Design and Construction of Short and Medium Span Concrete Bridges**”, was successfully conducted during 23<sup>rd</sup> July 2022 to 27<sup>th</sup> August 2022. There were six sessions, which were organized once in a week. Mr. Sandeep Pattiwar, GC member, IAStructE & Director, Tech Tangent Solutions Pvt. Ltd. was the Course Coordinator. The course was attended by 200 delegates. It has been supported by Sanrachana Structural Strengthening Pvt. Ltd., Fuji Silverttech Concrete Pvt. Ltd., Tricon Polymer Ltd, Ultratech Cement Ltd and Sanfield India Ltd. Mr. Umesh Rajeshirke was the Panelist during the Inaugural session. The presentations were made by the following eminent speakers.

- ★ Mr. V. N. Heggade, Former CEO - STUP Consultants Pvt. Ltd.
- ★ Dr. Satish Jain, Managing Director - UHPC India Pvt. Ltd.
- ★ Mr. Manish Mokul, DGM-Quality - Afcons Infrastructure Ltd.
- ★ Mr. Alok Panday, MD - Elegant Consulting Engineers
- ★ Mr. Alok Bhowmick, MD - B&S Engineering Consultants Pvt. Ltd.
- ★ Mr. Sandeep Pattiwar, Director - Tech Tangent Solutions Pvt. Ltd.
- ★ Mr. Shashank Rajbhoj, Deputy General Manager-Design, Afcons Infrastructure Ltd.
- ★ Mr. Shailesh Patil, Deputy General Manager-Design, Afcons Infrastructure Ltd.
- ★ Mr. Mahesh Tendulkar, Director, Concrete Research and Engineering Services Pvt. Ltd. and Construction QA/QC and Quality Expert, PADECO India Pvt. Ltd.
- ★ Mr. Sadanand Govilkar, Managing Director, Avant-Tech Lab and Research Centre Pvt Ltd.
- ★ Mr. V. R. Kulkarni, Director, Low Carbon Construct Forum & Partner, Midas Techfin Consultants Past President – ICI
- ★ Dr. Manu Santhanam, Professor, IIT Madras
- ★ Dr. Max Meyer, Principal Consultant, RUI-FENG International PTE Ltd.
- ★ Mr. Anirwan Sengupta, Team Leader, Voyants Solution Pvt. Ltd.
- ★ Mr. P. G. Venkatram, CTO, L&T Infrastructure Engineering Ltd.
- ★ Mr. Umesh Rajeshirke, MD, Spectrum Techno Consultants Pvt. Ltd.




*Fig4. Glimpses from the Online Workshop*

## IAStructE Student Chapter Activity:

### Inaugural Event of IAStructE Student's Chapter, EERC, IIIT Hyderabad

A student's chapter of the Indian Association of Structural Engineers (IAStructE) was inaugurated at Earthquake Engineering Research Centre (EERC), IIIT Hyderabad on 29th August 2022 in an online mode. Prof. Pradeep Kumar Ramancharla, Vice President, IAStructE South Region welcomed the guests and addressed the students. This was followed by the presidential address by Shri. Manoj Mittal, President, IAStructE. The inaugural address was given by Prof. Mahesh Tandon, Past President, IAStructE and the guest address by Dr. Shilpa Pal, Associate Professor, Delhi Technological University. Introduction to the executive committee of the student body and vote of thanks was proposed by Dr. P. Pravin Kumar Venkat Rao, Faculty Advisor of IAStructE student's chapter.



**INAUGURAL EVENT**

**IAStructE Student's Chapter, Earthquake Engineering Research Centre, IIIT Hyderabad**

**Guest of Honour**  
Mr. Manoj Mittal  
President, IAStructE

**Chief Guest**  
Dr. Mahesh Tandon  
Past President, IAStructE

**Guest of Honour**  
Prof. R. Pradeep Kumar  
Vice President, IAStructE South Region

**Special Invitee**  
Dr. Shilpa Pal  
Associate Professor, DTU

**PROGRAMME SCHEDULE**

Welcome Address  
Prof. R. Pradeep Kumar

Presidential Address  
Mr. Manoj Mittal

Inaugural Address  
Prof. Mahesh Tandon

Guest Address  
Dr. Shilpa Pal

Introduction to Executive Committee & Vote of Thanks  
Dr. P. Pravin Kumar V. Rao

**Executive Committee**

Dr. P. Pravin Kumar Venkat Rao  
Faculty Advisor

Mr. Bharat Prabhu  
Chairman

Mr. Arpan Singh  
Secretary

Ms. Y. Lakshmi Supriya  
Treasurer

Mr. Saumic Aralaya  
Member

Ms. Pooja T. Gaudhar  
Member


Ms. Guduru Harika  
Member

Mr. Vishwanath Singh  
Member


Ms. Vankayala Rohika  
Member

**Event Mode – Online**  
Looking forward to your active participation!


Zoom Link <https://bit.ly/3pJuVmH>




**Mr. Manoj Mittal, President, IAStructE**



**Prof. R Pradeep Kumar, Vice President, IAStructE, South Region**



**Dr. Mahesh Tandon, Past President, IAStructE**



**Dr. Shilpa Pal, Associate Professor, DTU**

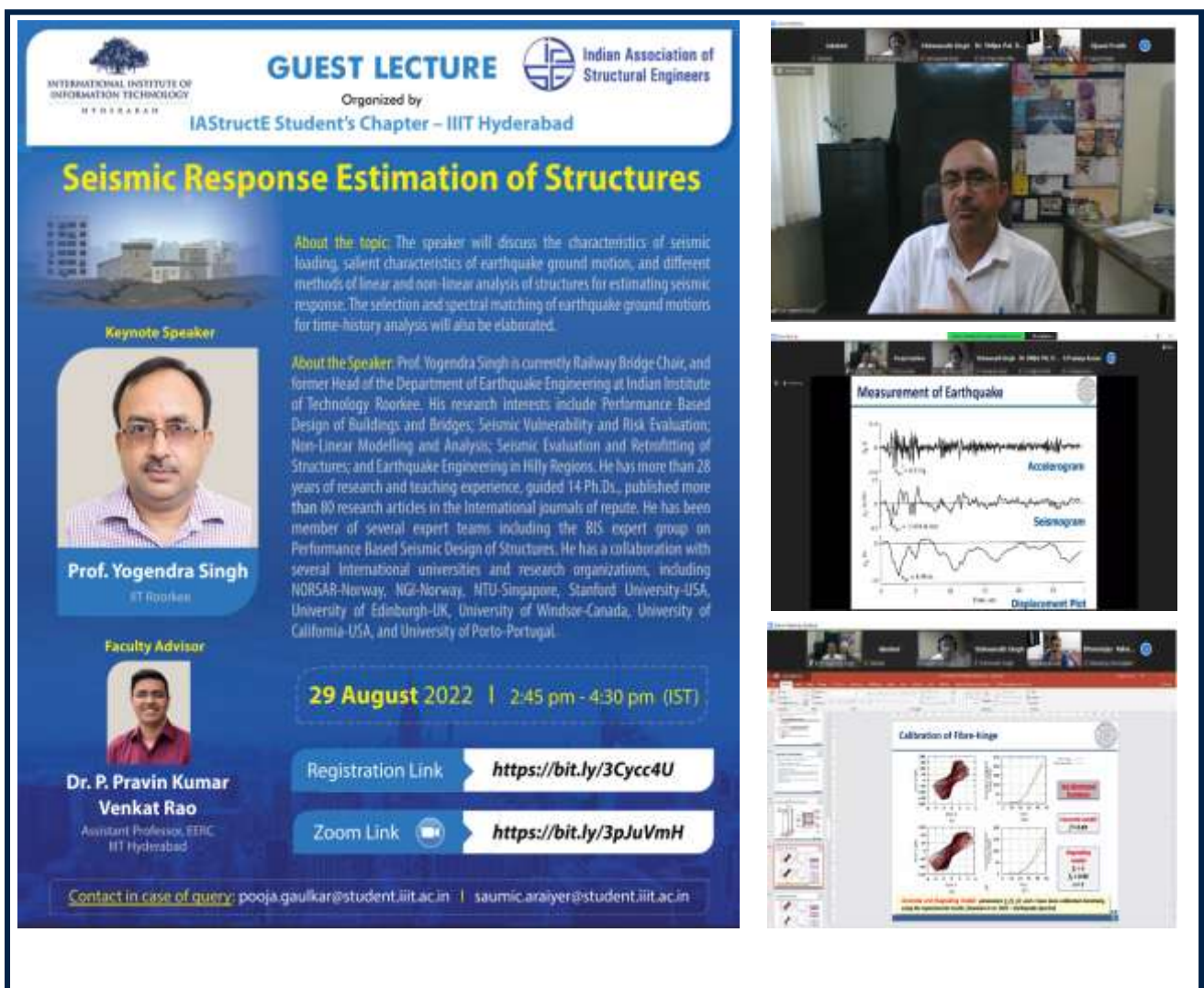
**Glimpses of the Inaugural Event of IAStructE Student's Chapter, EERC, IIIT Hyderabad**

Fig 5. Glimpses from the inaugural event of IAStructE Student Chapter, IIIT, Hyderabad



## Guest Lecture Event of IAStructE Student's Chapter, EERC, IIIT Hyderabad

IAStructE student's chapter of Earthquake Engineering Research Centre, IIIT Hyderabad organized an online Guest Lecture on "Seismic Response Estimation of Structures" on 29th August 2022. Prof. Yogendra Singh, Dept. of Earthquake Engineering, IIT Roorkee was the keynote speaker for the event. He enlightened the audience about the characteristics of different types of seismic loading, salient characteristics of earthquake motion and different methods of linear and non-linear analysis of structures for estimating seismic responses. He also elaborated on the selection and spectral matching of earthquake ground motions and time history analysis. It was attended by over 150 participants of various backgrounds including structural engineers, research scholars, M. Tech. students, and faculties. The lecture was concluded with a fruitful discussion between the participants and Prof. Singh. Finally, a vote of thanks has been proposed by Dr. P. Pravin Kumar Venkat Rao, Faculty Advisor of student's chapter by thanking the speaker, guests, and to all the participants.



**GUEST LECTURE** Indian Association of Structural Engineers  
Organized by  
IAStructE Student's Chapter - IIIT Hyderabad

### Seismic Response Estimation of Structures

**Keynote Speaker:**  
**Prof. Yogendra Singh**  
IIT Roorkee

**About the topic:** The speaker will discuss the characteristics of seismic loading, salient characteristics of earthquake ground motion, and different methods of linear and non-linear analysis of structures for estimating seismic response. The selection and spectral matching of earthquake ground motions for time-history analysis will also be elaborated.

**About the Speaker:** Prof. Yogendra Singh is currently Railway Bridge Chair, and former Head of the Department of Earthquake Engineering at Indian Institute of Technology Roorkee. His research interests include Performance Based Design of Buildings and Bridges; Seismic Vulnerability and Risk Evaluation; Non-Linear Modelling and Analysis; Seismic Evaluation and Retrofitting of Structures; and Earthquake Engineering in Hilly Regions. He has more than 28 years of research and teaching experience, guided 14 Ph.Ds., published more than 80 research articles in the International journals of repute. He has been member of several expert teams including the BIS expert group on Performance Based Seismic Design of Structures. He has a collaboration with several International universities and research organizations, including NORFAR-Norway, NGF-Norway, NTU-Singapore, Stanford University-USA, University of Edinburgh-UK, University of Windsor-Canada, University of California-USA, and University of Porto-Portugal.

**Faculty Advisor:**  
**Dr. P. Pravin Kumar Venkat Rao**  
Assistant Professor, EERC, IIIT Hyderabad

**29 August 2022 | 2:45 pm - 4:30 pm (IST)**

**Registration Link** <https://bit.ly/3Cycc4U>

**Zoom Link** <https://bit.ly/3pJuVmH>

**Contact in case of query:** pooja.gaulkar@student.iiit.ac.in | saumic.araiyer@student.iiit.ac.in

**Measurement of Earthquake**  
Accelerogram  
Seismogram  
Displacement Plot

**Calibration of Fibre-kings**

Fig 6. Glimpses from the Guest Lecture Event of IAStructE Student's Chapter, EERC, IIIT Hyderabad

### Extraordinary General Meeting (EGM):

An Online Extraordinary General Meeting (EGM) was organized on 26.08.2022 through zoom. In which the amendment in IAStructE Bye-laws were approved by all members.

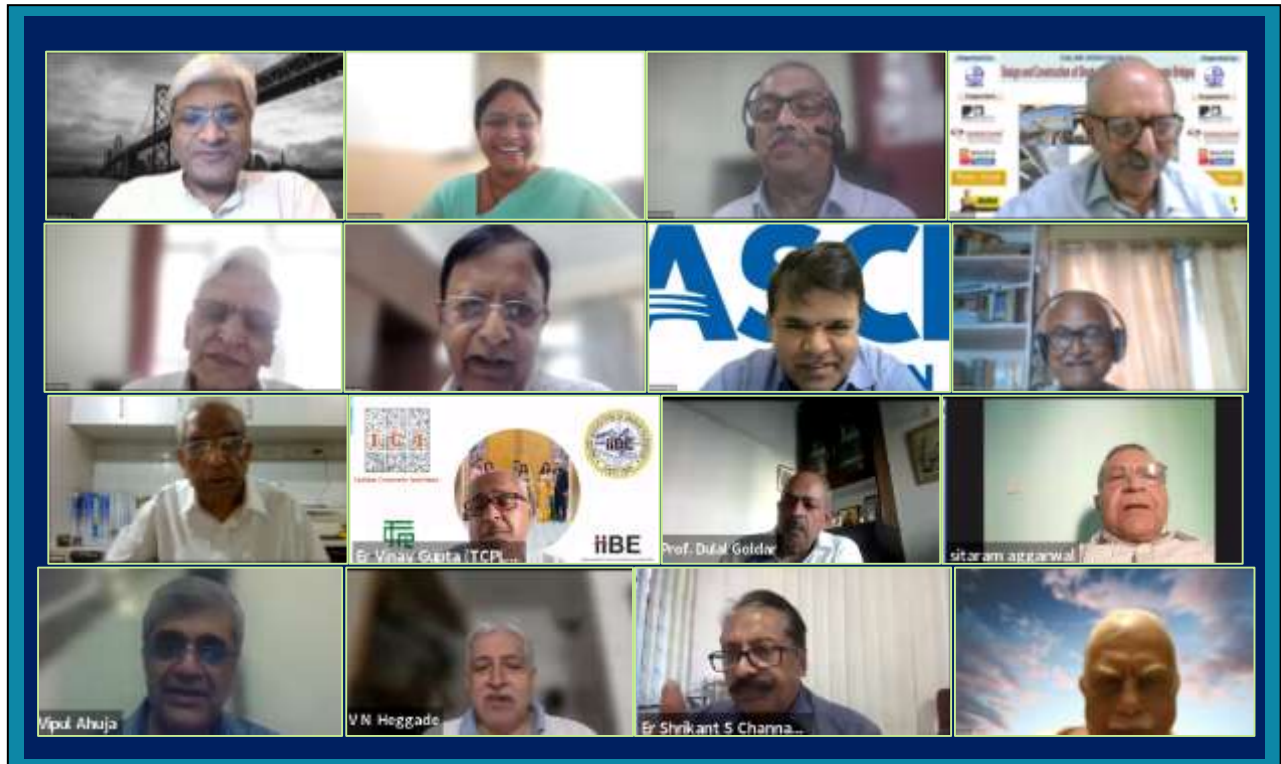


Fig 7. Glimpses from the EGM

### Forthcoming Events:

Event	Topic	Speaker	Date & Timing
Online Refresher Course	<p>Refresher course on “Pile Foundation - Application in Buildings and Bridges”</p> <p>Registration Link:  <a href="http://iastructe.co.in/online-refresher-course.php">http://iastructe.co.in/online-refresher-course.php</a> </p>	Course Coordinator- Prof. Mainak Ghosal	Starting from 17 <sup>th</sup> September 2022 from 03:00 PM (IST) onwards
IAStructE Awards 2022	<p>Call for Nominations: IAStructE is conducting the National Awards Competition for the year 2022. The nominations forms for various categories can be downloaded from the links given below. The last date for receipt of nominations is 31st October 2022.</p> <p><a href="http://iastructe.co.in/iastructe-national-awards-2022.php">http://iastructe.co.in/iastructe-national-awards-2022.php</a></p>		





**Indian Association of Structural Engineers**

**Online Refresher Course on**  
**PILE FOUNDATION – APPLICATION IN BUILDINGS AND BRIDGES**  
 17<sup>th</sup> September 2022 till 22<sup>nd</sup> October 2022  
 Every Saturday from 15:00 Hours to 18:00 Hours (IST).

**ABOUT THE COURSE**

The most uncertain and challenging part of any structure is its foundation. During the planning and conceptual design stage, it is extremely important to carry out a proper geotechnical investigation and to choose the right type of foundation. Proper knowledge of the foundation design and construction is an essential requirement for any structural/geotechnical engineer involved in structural design.

The main objective of this Refresher Course on "PILE FOUNDATION – APPLICATION IN BUILDINGS AND BRIDGES" is to build capacity by throwing light on the current scenario, giving background information about the works done so far, stimulating focus on the piling problems, extending knowledge concerning piles, and giving ideas and reassurances to those faced with the task of building a safer future for the public.

Topics to be covered, include the latest trends in the Design and Construction of Pile Foundation worldwide: Driven Piling Practice in India, Bored-Cast-in-Situ Piling Practice in India; Analysis and Design Issues involved in Piling; Effect of Liquefaction in Pile Foundation analysis & design; Construction Issues in Piling; Use of Monopiles in Bridges; Geotechnical Investigation; Pile Load testing; Pile Driving Equipment; Case Studies on few Mega Projects. This Refresher Course will bring together a panel of highly-accomplished experts in the field of Pile Foundations and their Applications. Talks will encompass basic studies and applications and will address topics of novel issues, difficulties, and breakthroughs in the field of Pile Foundations and its Applications.

Invited speakers are drawn from different sections of the industry, namely, academicians, practicing designers and consultants, foundation contractors, piling equipment manufacturers, geotechnical experts and foundation quality control experts.

This online Refresher Course will be a great opportunity for virtual networking among the designers, construction experts, practicing engineers, code makers and postgraduate students involved in pile foundation practices.

**NBM&CW**  
 Official Media Partner

Fig 8. Flier of the refresher course



**IAStructE National Awards 2022**

IAStructE invites nominations for the following categories of awards  
*(Instructions & Terms are given in the nomination forms of each category)*

- 1. OUTSTANDING STRUCTURE OF THE YEAR (Two Awards)**
  - i) Buildings: Residential, Commercial & Industrial buildings, Hospitals, Schools etc.,
  - ii) Other structures: Bridges, Large span space structures for sports, exhibitions etc., Industrial structures, Hydraulic Structures, Monuments, Tall towers
- 2. OUTSTANDING STRUCTURAL ENGINEER AWARD (One Award)**
- 3. OUTSTANDING WOMAN STRUCTURAL ENGINEER AWARD (One Award)**
- 4. PROMISING YOUNG STRUCTURAL ENGINEER AWARD (One Award)**
- 5. BEST MASTER'S THESIS IN STRUCTURAL ENGINEERING (One Award)**

*(Download nomination forms from the link given below - Kindly read instructions carefully before submission)*

<http://iastructe.co.in/iastructe-national-awards-2022.php>

**Last date for receipt of nominations is 31st October 2022**

**THE AWARDS**

All Awards shall consist of a Plaque along with a Certificate & Citation. The Best Master's Thesis Awardee will get in addition a cash prize of Rs 20,000/-.

The Award Winners can use the IAStructE logo on their print and promotion material by mentioning the year of the award and the name of the Indian Association of Structural Engineers.

IAStructE reserves the right to cancel or alter the number of awards stipulated above.

**Indian Association of Structural Engineers**  
 E-69 A, Bheemur, Kailoji, New Delhi 110019  
 Tel: (011) 45794829; E-mail: iastructe@gmail.com; Web: www.iastructe.co.in

Fig 9. Award Poster

## Call for papers for the theme based issue of SED journal:

SED Editorial Board invites article contributions for the forthcoming issue of the Structural Engineering Digest on the following theme, which shall be published in e-book format. Details are as under:

**July – September 2022 issue: Theme: Dams & Hydraulic Structures**

**Guest Editor- Dr. Shilpa Pal, GC member IAStructE**

**Sub - Themes:**

- Lessons from failures of Dams & hydraulic structures
- Physical and Numerical Modelling
- Energy Dissipaters
- Scouring around hydraulic structures
- Storage and Diversion Structures
- Best Practices in Risk Management
- Instrumentation of Dams
- Miscellaneous Structures
- Site investigation studies for Dams



Interested professionals may send the full paper along with their photograph and brief resume by 15<sup>th</sup> August 2022 or at the earliest convenience.

**October – December 2022 issue: Theme: Structural Fire Safety**

**Guest Editor: Mr. Manoj Mittal, President IAStructE**

**Sub – Themes:**

- Fire & Life safety in planning & design of structures
- Advances in material science for fire resistant materials for construction
- Fire resistance testing
- Standards for fire resistant design & construction – Prescriptive /PBD
- Fire resistance provisions in structural engineering designs
- Fire resistance provisions in Building Byelaws
- Regulatory & implementation issues
- Fire fighting & post fire scenarios
- Fire safety Audits
- Case studies highlighting above issues
- International practices in Structural Fire safety
- Education & training in Structural Fire Safety

Articles are invited from i) Members of IAStructE; ii) Specialists in the field even though they are not members of IAStructE.

Interested authors/contributors may kindly mail to [iastructe@gmail.com](mailto:iastructe@gmail.com) regarding i) Broad guidelines on areas of coverage; ii) size of the article; iii) format of paper submission. As per the laid down procedures all the papers shall be sent to the referee for review and the comments will be informed to the authors for incorporating the same. Papers shall be published after peer review & approval of SED editorial board.

## **Advertisement Tariffs**

### **Structural Engineering Digest (being published in PDF format)**

	<b>Rates Per issue</b>	<b>Discounted rate at 20% for 4 consecutive issues</b>	<b>Advertisement Size</b>
Full Page	Rs. 20,000/- + 18% GST	Rs 64,000/- + 18% GST	9.5 inch x 7 inch

### **IAStructE Monthly Newsletter (being published in PDF format)**

- ★ **Half page:** Rs. 7,000/- + 18% GST per issue, 10% rebate for quarterly, 20% rebate for half yearly and 30% rebate for yearly booking.
- ★ **Full page:** Rs. 10,000 per issue, 10% rebate for quarterly, 20% rebate for half yearly and 30% rebate for yearly booking

## **IAStructE Publications**

**Commentary with Worked Examples for IRC: 6-2017:** It is a document having commentary with worked example on IRC: 6-2017 (The code for Loads & Load Combinations for design of Highway Bridges). This commentary is in two separate volumes. Volume-1 pertains to the Commentary while Volume-2 pertains to Illustrative Worked Examples. It has 48 worked examples demonstrating application of various codal clauses

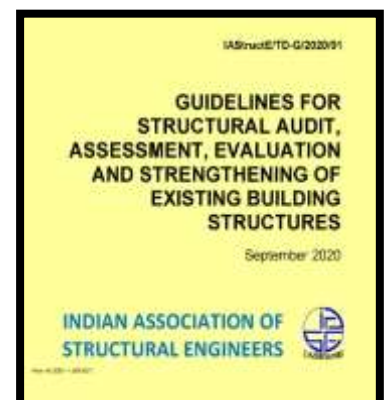
IAStructE/TD-CC/2020/02	IAStructE/TD-CC/2020/01
<p>COMMENTARY WITH WORKED EXAMPLES FOR IRC:6-2017</p> <p><b>STANDARD SPECIFICATIONS AND CODE OF PRACTICE FOR ROAD BRIDGES</b> SECTION II : LOADS &amp; LOAD COMBINATIONS (SEVENTH REVISION)</p> <p>NOVEMBER 2020</p> <p>VOLUME 2 OF 2 : ILLUSTRATIVE WORKED EXAMPLE</p>	<p>COMMENTARY WITH WORKED EXAMPLES FOR IRC:6-2017</p> <p><b>STANDARD SPECIFICATIONS AND CODE OF PRACTICE FOR ROAD BRIDGES</b> SECTION II : LOADS &amp; LOAD COMBINATIONS (SEVENTH REVISION)</p> <p>NOVEMBER 2020</p> <p>VOLUME 1 OF 2 : COMMENTARY</p>

It's a priced document and hence not freely downloadable.

The documents are available for sale @ Rs 1200/- for Volume 1, and @ Rs 800/- for Volume II. Members of IAStructE and IRC will be entitled for a discount of 10% on this amount. Interested professionals who wish to purchase the commentary may kindly register with the following link or contact IAStructE Secretariat at [iastructe@gmail.com](mailto:iastructe@gmail.com):

Registration link: <http://iastructe.co.in/new-iastructe-publication.php>.

**2. Guidelines for Structural Audit, Assessment, Evaluation and Strengthening of Existing buildings Structures:** This document will guide structural engineers in proper assessment of building structures before issuing structural stability certificate. These guidelines may be used by IAStructE members, all other structural engineers, house owners, housing society welfare associations, clients and corporation engineers for understanding structural audit of the private and public building structures. The Guideline focuses on the urgent need to strengthen risk resilience of buildings from any kind of risks due to earthquake and other hazards. It is hoped that this document will be useful to ensure that all structures across the country remain safe from any kind of disaster risk.



It's a priced document and hence not freely downloadable.

The price of this e-document is Rs 200/-. Interested professionals, who wish to obtain the soft version of the Guideline in pdf format, may register with the following link. Registration Link: <http://iastructe.co.in/guidelines-for-structural-audit.php>

**3. Commentary on IS: 13920:** The commentary is available on [www.iastructe.co.in](http://www.iastructe.co.in) under IAStructE Professional Documents. IAStructE member can access this document after login.

**4. Commentary on IS: 1893 Part 1:** The commentary is available on [www.iastructe.co.in](http://www.iastructe.co.in) under IAStructE Professional Documents. IAStructE member can access this document after login.



## New Members:

### “Fellow” Grade

<i>M/S No</i>	<i>Name</i>	<i>Designation, Organization</i>	<i>City</i>
F-529	Mr. Santosh Anant Acharya	Team Leader Cum Sr. Bridge Engineer at M/s. Shrikhande Consultant Pvt. Ltd Mumbai	Thane
F-530	Prof. Sandeep Chaudhary	Professor at IIT, Indore	Indore
F-531	Mr. Gangadhara H. M. Gowda	Self Employed Structural Consultant at Pushkara Design Desk, Bengaluru	Bangalore
F-532	Dr. H. G. Naikar	Principial Consultant Pragathi Consultants	Bangalore

### “Member” Grade

<i>M/S No</i>	<i>Name</i>	<i>Designation, Organization</i>	<i>City</i>
M-336	Mr. Tapas Panja	Assistant General Manager Design at Tata Consulting Engineers	Kolkata
M-337	Mr. Mukesh Singh Ghuraiya	Strucutural Engineer at Alseal Contracting and Trading Co. W.L.L, Doha	Qatar
M-338	Mr. Mohammed Azharuddin	Senior Civil Structural Engineer at V3 Middle East Engineering Consultants Co.	Riyadh
M-339	Mr. Jugal Krishna Halder	Assistant General Manager at Tata Consulting Engineers	Kolkata
M-340	Dr. Vasudeo Govind Chaudhari	Assistant Professor at Pandit Deendayal Energy University	Gandhinagar
M-341	Mr. Sushant Goel	Director at Eckersley O’Callaghan India Pvt. Ltd.	Noida
M-342	Mr. Sumit Jindal	Associate (Structures) at AECOM India Pvt. Ltd.	Gurugram
M-343	Lt. Col. Sahil Sharma	Director Design at Military Engineer Services	Mumbai

### “Associate Member” Grade

<i>M/S No</i>	<i>Name</i>	<i>Designation, Organization</i>	<i>City</i>
AM-379	Mr. Ameya A. Rane	Design Engineer at Sterling Engineering Consultancy Services Pvt. Ltd.	Mumbai
AM-380	Ms. Nikita Ramchandra Thakur	Senior Design Engineer at Tech Tangent Solutions Pvt. Ltd.	Navi Mumbai
AM-381	Mr. Suraj Hindurao Mhatugade	Structural Design Engineer at Tech Tangent Solutions Pvt. Ltd.	Thane
AM-382	Mr. Neeraj Kumar Malviya	Assistant Design Engineer at Hitbhav Engineers	Nagpur
AM-383	Mr. Mohammed Atif Nawaz	Section Engineer at Bangalore Metro Rail Corp. Ltd.	Bangalore
AM-384	Mr. Shubham Shah	Self Employed Structural Engineer	Ahmedabad

		Singhai Techno Arch Consultancy	
AM-385	Mr. Harish Kumar	Engineer at Tandon Consultants Pvt. Ltd.	Chennai
AM-386	Ms. Reshma B. Philip	Assistant Professor cum Structural Engineer at Saintgits College, Kottayam	Kerala
AM-387	Mr. Gaurav Agrawal	Graduate Structural Engineer Walter P Moore and Associates	Amravati
AM-388	Mr. Ben Abey Alex	Assistant General Manager at Compuss Builders.	Kerala
AM-389	Mr. Naveen Kumar	Site Manager (Project) Sanrachana Structural Strengthening Pvt. Ltd.	Lakhimpur
AM-390	Mr. Mohd Arhaan Baksh	Independent Structural Engineer Clockhands Pvt. Ltd.	Aligarh
AM-391	Mr. Sandeep Pandey	Bridge Design Engineer at Festal Consulting Engineers Pvt Ltd	Ghaziabad
AM-392	Mr. Umeshchandra Mamidala	Structural Team Lead METEY Engineering & Consultancy Pvt. Ltd.	Telangana
AM-393	Mr. Sumit Satija	Engineer II at AECOM	Gurugram
AM-394	Dr. Raghava Kumar Vanama	Structural Engineer at Tech Tangent Solutions Pvt. Ltd.	Thane

### “Student Members” Grade

One Student: Amity University Noida

One Student: NIT, Warangal

One Student: Shri Guru Gobind Singhji Institute of Engineering and Technology

One Student: IIT, Gandhinagar

One Student: Government College of Engineering

### ***Message from IAStructE Social Media & Digitization Committee***

Let's get “***DIGITIZED***”

With all new look of our website and media handles, please follow us on all major media platforms. For joining us, below mentioned links to be pasted in browser. Let's join hands together to promote the profession of Civil Engineering.

1. on **TWITTER** as **IAStructE**: - <https://twitter.com/iastructe>

2. on **Facebook** as **IAStructE**: - <https://www.facebook.com/IAStructE-100114022302316>

3. on **LinkedIn**:- The group is defined as Indian Association of Structural Engineers-IAStructE  
<https://www.linkedin.com/groups/6646248/>

4. on **YouTube** as **IAStructE Webinar**:- Subscribe and press bell icon



## ***CROSSFALL (Confidential Reporting of Structural Failures and Lessons Learnt)***

IAStructE is starting a unique quarterly newsletter "CROSSFALL" (Confidential Reporting of Structural Failures and Lessons Learnt), where the reporter's name and identity as well as the project name, location and identity will not be divulged. IAStructE has developed a multi layered robust mechanism to keep the identity of the reporter & Project confidential.

The objective of this newsletter is to share lessons learnt from "structural failures" or "near misses" or even "concerns" and help to prevent / mitigate future catastrophic failures by providing insight into how safety issues occur and spurring the development of safety improvement measures.

The poster giving more details is attached herewith for your kind perusal. Interested Professionals may visit the following link to get more information regarding procedures and to submit the report about structural safety issues related to any type of structures: [www.iastructe.co.in/crosfall.php](http://www.iastructe.co.in/crosfall.php)



# CROSSFALL

(Confidential Reporting of Structural Failures & Lessons Learnt)

A Quarterly  
Newsletter  
of  
Indian Association  
of Structural  
Engineers

### INTRODUCTION

CROSSFALL is a unique newsletter created by Indian Association of Structural Engineers (IAStructE). Its purpose is to share lessons learnt from structural failures, near-misses and safety concerns. CROSSFALL has a confidential reporting system, which allow safety issues to be reported by professionals, without exposing their identity and without creating concerns in areas like co-worker relations, client loyalty, or insurance. Any identifiable details, such as a project, product, individual or organisation, will remain completely confidential to CROSSFALL editorial team. Reporters' personal information will be collected to only verify the contents of the report, and to communicate with the reporter if necessary, but this will also remain strictly confidential.

The newsletter will report only safety related issues with the objective to learn lessons from such failures and to help prevent future structural failures, by providing insight into root causes of such failures and spurring the development of safety improvement measures.

CROSSFALL team will depend on professionals to submit reports, whenever they can share their concerns about what they see around or what they experience on any real-life projects. Anyone involved in the civil engineering industry is welcome to submit a report. The more reports submitted, the better CROSSFALL can identify and quantify safety issues across the industry. This will help the entire industry to learn lesson from CROSSFALL publications.







### WHAT CAN BE REPORTED?

CROSSFALL welcomes reports about structural safety issues related to all types of structures (i.e. buildings, bridges, tunnels, industrial structures etc.) in the built environment. The reporting can be related to:

- Structural failures,
- Poor Design and Detailing, Lack of Seismic Safety in planning
- Safety concerns about high risk erection schemes at site
- Safety concerns on Temporary Works
- Near misses, or observations relating to procedures followed at site, which may lead to failures or collapses.

Reports do not have to be about current activities so long as they are relevant. Small scale events are equally important - they can be the precursors to more major failures. Report might relate to a specific experience or it could be based on a series of experiences indicating a trend. No concern is too small to be reported and conversely nothing is too large. Reports should aim to include information that will help others to learn from the safety issue identified.

For more details and to submit the report please go through the following link: [www.iastructe.co.in/crosfall.php](http://www.iastructe.co.in/crosfall.php)

For further query you may contact [iastructe.crosfall@gmail.com](mailto:iastructe.crosfall@gmail.com)



## About IAStructE

Indian Association of Structural Engineers (IAStructE) is the national apex body of structural engineers in India established with the objective to cater to the overall professional needs of structural engineers. The association has become the source of expertise and information concerning all issues that involve structural engineering and public safety within the built environment. It has no commercial aim or objective. IAStructE is purely a professional learned society with the prime objective of supporting and protecting the profession of structural engineering by upholding professional standards and acting as a mouthpiece for structural engineers. IAStructE endeavors to ensure that its members develop the necessary skill in structural engineering and work to the highest standards by maintaining a commitment to professional ethics and standards within structural engineering. IAStructE strives for continued technical excellence; advancing safety and innovation across the built environment. It also strives to make available to the Government, Public Sector and Private Sector - a credible source of well qualified and experienced Structural Engineers. A nationwide database of Structural Engineers has been compiled and is being constantly updated. IAStructE undertakes a broad range of technical activities which are aimed at information sharing and capacity building. The association provides opportunity for all the members to develop various skills in structural engineering and helps members to be at the forefront of structural engineering practice. Towards achievement of its aims and objectives, IAStructE is engaged in organizing the following: CPD Courses for Professionals at all levels Refresher Courses for Fresh Graduate Engineers, Student's orientation program, Seminars/Workshops, Technical Lectures by Experts, Technical Discussions on Contentious Issues. IAStructE is currently operating from four regional centers. These regional centres located in the Eastern, Western, Northern and Southern parts of the country effectively cater to the professional needs of members residing/practicing all over the country.

## Membership Benefits

Membership of IAStructE is a sought after professional accreditation. Your membership of IAStructE can help you enhance your intellectual, academic, technical and professional status. It provides inter connectivity to the fellow professionals and the fraternity. Some of the benefits of membership is provided below:

- ★ Complimentary magazine subscription: All members (except Student Members) receive a complimentary subscription to the Institution's flagship publication 'Structural Engineering Digest' (SED). Published quarterly, each issue allows members to remain connected to the association through the provision of technical papers, Industry and Institution News, Featured articles, Professional Guidance on everyday matters affecting the practicing structural engineers.
- ★ Access to the professional documents
- ★ Access to all Technical Lectures, organized every month, at no charge
- ★ Access to Technical Discussions held regularly
- ★ Access to the association's library (Including e-library)
- ★ Discounts in attending Seminars and Workshops organized by the association
- ★ Full on-line access to the current volume and entire e-archive of journal "Structural Engineering Digest (SED)", Refresher Course Materials, Technical Lectures, E-Newsletters and other Technical Resources of the Association.
- ★ Opportunity to network with professional structural engineers of eminence and to meet potential employers in the association.
- ★ Opportunities for professional development

## How to become a member?

Membership form and details are available at <https://www.iastructe.co.in/membership-grades.php>; for more information and other details contact the Indian Association of Structural Engineers Secretariat

**Indian Association of Structural Engineers**

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