

**MESSAGE FROM THE PRESIDENT**

Dear Members,

Greetings and very Happy New Year 2022 !!

I hope new year will bring lot of happiness, joy and peace in your life. Threat from new variant of Corona Omicron is increasing significantly. We must take all precautions to keep ourselves and others safe.

Our association is trying its best to plan and organise new and meaningful events for the benefit of the members and other civil/structural engineers. We are trying to expand our reach and impact by opening new student chapters and activating regional centres. Most of our committees are very active and taking new initiatives. However we do expect more active participation from civil/structural engineering community in general and our members in particular. If we really want your profession to grow and make ourselves visible in the society we must learn to play an active role in all aspect of life. Professionalism and ethics should be deeply ingrained in our professional practice. We must learn and share our professional successes and failures. We must celebrate our successes avoiding self promotion.

I request you to come forward and contribute technical papers, case studies, personal experiences, achievement etc for inclusion in our publications. You are also encouraged to contribute in various committees. Send your suggestions and feedbacks on our activities. Help association in enrolling more members. I strongly believe IAStructE is right platform for your aspirations. Do join us and make it more strong and impactful body.

At the beginning of new year let's pledge to be true professional and serve the society and nation in true spirit.

Best regards and good wishes,

Best regards

Manoj Kumar Mittal  
President-IAStructE

**FROM THE EDITOR'S DESK**

Wishing all the readers a Happy, Prosperous and Healthy New Year 2022!!

Let's all step into the new year of a healthy world with new aspirations and new hopes. This month issue highlights the achievement's of two of our GC members Dr. Abhay Gupta for receiving the outstanding structure award for one of their projects and Prof. Manik Ghosal who has been conferred with "Asia Pacific Excellence" Award along with activities of the association.

Do follow, subscribe and like IAStructE events on all digital platforms.

Thanks & Regards,

Dr. Visalakshi Talakokula

**CONTENTS**

- Webinars Conducted	- 2
- Forthcoming Events	- 3
- Message from Social Media Committee	- 3
- Call for Papers for the SED journal	- 4
- IAStructE Publications	- 5
- Members Achievement	- 6
- New IAStructE members	- 6
- About IAStructE	- 7
- Membership Benefits	- 7
- How to become a member?	- 7

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## **WEBINARS/ EVENTS CONDUCTED**

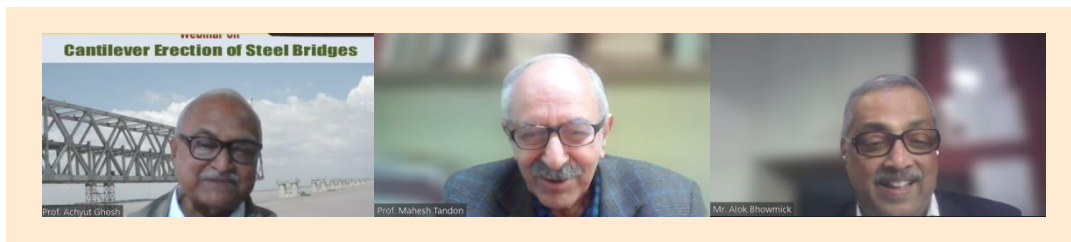
### **1. Webinar on “Cantilever Erection of Steel Bridges”**

The webinar on “Cantilever Erection of Steel Bridges” was organized on 17<sup>th</sup> December 2021 through Zoom.

**Speaker:** Prof. Achyut Ghosh, Professor & Consultant

**Moderator:** Prof. Mahesh Tandon, FNAE, Int. PE (India), Past President & GC member IAStructE  
Mr. Alok Bhowmick, Chairman, Professional Development & Technical Events Committee and Immediate Past President IAStructE welcomed all the participants & speakers

The webinar can be viewed at the following link: <https://youtu.be/4Lm6QabhZyM>



*Fig.1. Glimpses from the webinar*

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### **2. IAStructE Southern Region Activities**

#### **Lecture on Sustainable High-Performance Concrete: From Improved Construction to Long-lasting Structures**

The December IAStructE-south online monthly lecture series was held on 2<sup>nd</sup> December 2021. The lecture was on "Sustainable High-Performance Concrete: From Improved Construction to Long - lasting Structures" by Prof. K.V.L.Subramaniam, Professor, Civil Engineering Department, Indian Institute of Technology, Hyderabad. Anurag University, Hyderabad, organized the event supported by IIT Hyderabad. About eighty participants comprising of practicing engineers, academicians, research scholars, and students from India and abroad participated in the lecture. The honourable president of IAStructE, Shri. Manoj Mittal graced the occasion by welcoming the participants and highlighting the importance of the lecture.

With rapid urbanization, the construction industry is under pressure to build faster and taller. Asia has a large percentage of tall buildings compared to buildings all over the world. In present-day tall building construction, concrete is a widely used material. Cement is the second most used material after water. In the lecture, professor discussed the challenges faced by the construction industry, and an overview of the improved performance of concrete during placement and for long-lasting structures were presented. The material-level performance enhancement leading to the development of 3D printing is discussed in detail. The requirement of improved durability for the better service life of structures was reviewed. The development of high-performance concrete for delivering long-lasting structures was also presented.

The video lecture is uploaded on the IAStructE YouTube channel for the benefit of the members who couldn't attend the lecture. <https://youtu.be/ZENQVQB0rGA>

The next IAStructE online monthly lecture will be held in the month of January 2022.



Fig.2. Glimpses from the webinar

### FORTHCOMING EVENTS

Event	Topic	Speaker	Date & Timing
Webinar	Use of Modular Pre-Engineered Bridge Systems For Permanent, Emergency and Temporary Applications <i>Registration link:</i> <a href="https://us02web.zoom.us/webinar/register/WN_MzUjPyZMR00310fX1XlvjA">https://us02web.zoom.us/webinar/register/WN_MzUjPyZMR00310fX1XlvjA</a>	Mr. John Brain, PE Chief Engineer, ACROW, USA	13.01.2022 at 05:30 PM
Webinar	Fire Safety for Buildings: An Overview from perspective of Structural Engineer <i>Details shall be announced shortly</i>	Ms. Anamika Kadam, DGM (Civil), L&T Construction Pvt. Ltd.	29.01.2022 at 05:30 PM
Online Workshop	Assessment, Repair & Rehabilitation of Bridges <i>Details shall be announced shortly</i>	Eminent Experts from India & abroad are being invited for making the presentations	18 <sup>th</sup> February 2022 to 18 <sup>th</sup> March 2022 (every Friday from 03 PM to 06 PM)

#### 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  
[https://www.youtube.com/channel/UCvv7ojXO9Dxq1WtP\\_yHZTKw](https://www.youtube.com/channel/UCvv7ojXO9Dxq1WtP_yHZTKw)

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**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 themes, which shall be published in e-book format. Details are as under:

**January – March 2022 issue: Theme: Precast and Prefabricated Structures**

**Guest Editor-Dr. Gaurav Rastogi, GC Member IAStructE& Proprietor – Gaurav & Associates**

**Sub-themes:**

- Environmental impact on precast concrete structures
- Precast concrete structures
- Prefabricated structures
- Performance of precast structures
- Performance of precast structural connections
- Achieving sustainability with precast concrete
- prefabrication
- Eco-efficiency and building optimization, potential of prefabricated structures

Interested professionals may send the abstract along with their photograph and brief resume by end of January 2022 and full paper by end of February 2022 or at the earliest convenience.

**April – June 2022 issue: Theme: Precast Segmental Bridges - State of The Art**

**Guest Editor- Mr. Alok Bhowmick, Immediate past President IAStructE**

**Sub Themes:**

- Planning & Conceptual Design
- Construction
- Bridge Deck Erection Issues
- Detailed Design Considerations
- Failure Case Studies
- Rehabilitation Case Studies
- Structural Health Monitoring & Maintenance Issues
- Casting, Handling and Storing Precast Segments in Casting Yard

Interested professionals may send the abstract along with their photograph and brief resume by end of January 2022 and full paper by end of March 2022 or at the earliest convenience.

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.

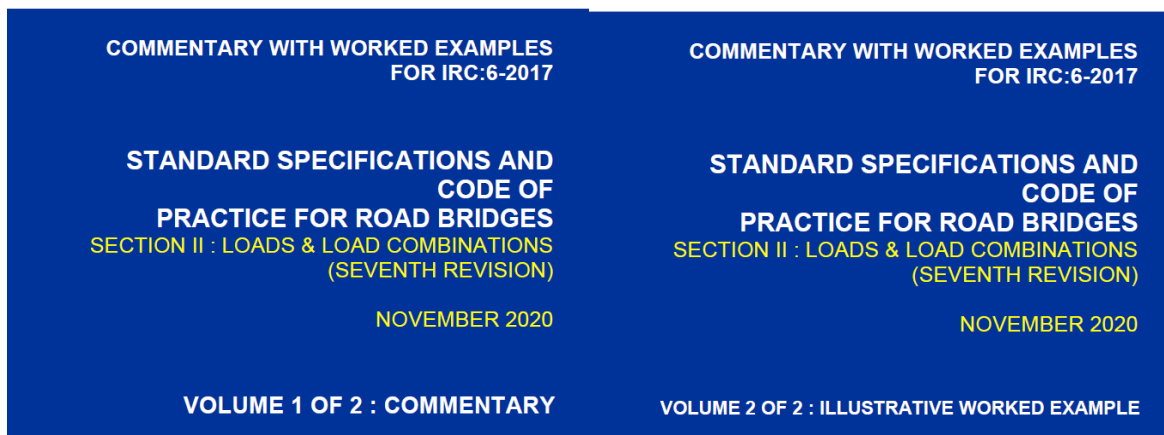


## IAStructE PUBLICATIONS

**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/2020/01

IAStructE/TD-CC/2020/02

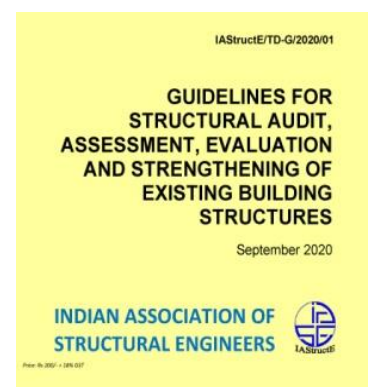


It's a priced document and hence not freely downloadable.

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.

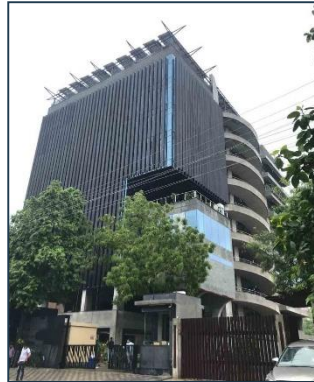
The price of this e-document is Rs 200/-. Interested professionals who wish to obtain the soft version of the Guideline in pdf format, may register with the following link. Registration Link: <http://iastructe.co.in/guidelines-for-structural-audit.php>

**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.

## MEMBERS ACHIEVEMENT

1. Skeleton Consultants Pvt Ltd Noida, headed by Er. Dr. Abhay Gupta, GC Member of IAStructE has been felicitated by ICI- Gurgaon Centre and Ultratech Cement Ltd. ICI Gurgaon centre conferred the Outstanding Concrete Structure 2021 award to Skeleton Consultants Pvt Ltd, Noida for their project “Corporate office of Satin Creditcare ltd at Udyog Vihar, Gurugram”, during the Concrete Day Celebration held on 23<sup>rd</sup> December 2021 at Gurugram.



2. Prof. Mainak Ghosal, GC Member, IAStructE was honored with the prestigious ASIA PACIFIC EXCELLENCE Award in the ‘Special Recognition Category’ by the Asia Pacific Chamber of Commerce & Asia Africa Development Council for the year 2021-22 for his extraordinary achievements and outstanding contributions in doing deeds that have inspired people across the society and work that has created a deep impact on the evolution of India as well as a global culture during the gala event held at Hotel Radisson, Gurugram on 18<sup>th</sup> December 2021.



We, on behalf of the governing body of IAStructE and on behalf of Members of IAStructE, extend our hearty congratulations to Dr. Abhay Gupta and Prof. Mainak Ghosal for these recognitions.

## NEW MEMBERS

### “Fellow” Grade

M/S No	Name	Designation, Organization	City
F-506	Dr. M. P. Ramnavas	Executive Director / Design, Maharashtra Metro Rail Corporation Ltd	Nagpur
F-507	Mr. Sarabjit Singh	Proprietor of MANZIL Structural Designers & Consultants,	Jalandhar

### “Member” Grade

M/S No	Name	Designation, Organization	City
M-323	Mr. Abdul Samad	Structural Engineer, Mahendra Raj Consultants Pvt Ltd	New Delhi



## **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 <http://www.iastructe.co.in/membership-form.html> ; For more information and other details contact the Indian Association of Structural Engineers Secretariat