

**MESSAGE FROM THE PRESIDENT**

Dear Members,

Greetings!!

Since last one month India is witnessing around 40,000 new covid cases each day. Although these numbers are significantly low in comparison to what we witnessed in April-May. According to experts second wave is still not over and third wave is likely to hit India in next few months. Let us take all precautions and observe Covid appropriate behaviour for our own and other's safety.

Month of July was quite eventful for IAStructE. I am very happy to share that during this month many technical events & programs were organised by IAStructE. Webinars on "Reinforced soil walls" & "World's largest cricket stadium" were very interesting, informative & were very well received by the participants. Further a refresher course on "Design & Construction of Steel Bridges" was also launched on 17<sup>th</sup> July which will conclude on 28<sup>th</sup> August. More than 290 participants are attending this course. My appreciations to Course coordinator Mr. Anirban Sengupta & all faculty members. An award ceremony and felicitation program were organised on 23<sup>rd</sup> July in virtual mode. IAStructE national awards 2020 were conferred on 10 winners in different categories. I once again extend my good wishes to all the award winners. I believe these awards will gain eminence in time to come. Prof. Sudhir Jain Director IIT Gandhinagar was also felicitated on this event for his outstanding contribution in structural engineering. During this event Prof Sudhir Jain also spoke on structural engineering education & practice. His talk was very thought provoking.

Governing council meeting was held on 23<sup>rd</sup> July 2021. During this meeting progress of various committees was reviewed and many important decisions were taken. All our committees are working very hard and taking new initiatives. I am confident forthcoming programs and events will greatly benefit the structural engineering fraternity. Next issue of Structural Engineering Digest (SED) which is dedicated to the theme "Machine foundations" will be released in couple of days.

You are requested to contribute actively to the events of IAStructE and send your feedback for further improvement.

Best regards

Manoj Kumar Mittal  
President-IAStructE

**FROM THE EDITOR'S DESK**

Warm greetings to all the readers!!

This month IAStructE was buzzing with all kinds of activities such as refresher courses, webinars, ceremonies, felicitations, GC meetings etc. The glimpses of these activities are provided in this newsletter, readers are encouraged to visit the

website for more details.

Thanks & Regards,

Dr. Visalakshi Talakokula

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## **WEBINARS / EVENTS CONDUCTED**

### **1. Webinar on “The Failure of Reinforced Soil Walls: Lessons & Remedies”**

A webinar on “The Failure of Reinforced Soil Walls: Lessons & Remedies” by Prof. (Dr.) G. L. Sivakumar Babu, Professor, Geotechnical Engineering Division, Indian Institute of Science, Bangalore on 02 July 2021 through online platform Zoom.

Moderator: Mr. Alok Bhowmick, Immediate Past President & GC member IAStructE

Panel members: Mr R K Pandey, Member (Projects) National Highways Authority of India (NHAI)

Mr. Rajiv Ahuja, Independent Consultant, -Bridges & Highways

Dr. Ratnakar R. Mahajan, Technical Head ISEAP Maccaferri Environmental Solutions Pvt Ltd

Dr. Jimmy Thomas, Geotechnical Consultant

Mr Atanu Adhikari, Vice President, Reinforced Earth India Pvt Ltd

On this occasion Mr. Manoj Mittal President IAStructE welcomed all speakers & participants.

The webinar can be viewed at the following link: <https://youtu.be/11FFptfasHU>

On the basis of the deliberations held during the webinar a document shall be published and shall also be available on our website for the members.



Fig. 1. Glimpses from the webinar

### **2. IAStructE Awards Ceremony - 2020 organized on 10<sup>th</sup> July 2021**

In the year 2020, IAStructE decided to set up awards to recognize excellence in structural engineering. An Awards committee was constituted with Prof. Prem Krishna, Er. Amitabh Ghoshal, Prof. Dulal Goldar and Prof. K. Karisiddappa as members for framing the guidelines, eligibility criteria, nomination material needed and evaluation criteria for these maiden awards, in five categories, namely, Outstanding Structure (Buildings), Outstanding Structure (Other than Buildings), Outstanding Structural Engineer, Outstanding Woman Structural Engineer, Promising Young Structural Engineer and Best M.Tech Thesis.

Despite the Pandemic, fortunately good number of worthy entries were received from both practising professionals and academics. The members of the awards committee evaluated the entries individually, and collated their results in on-line meetings to make recommendations for different categories of awards. For various awards, the marking was in most cases very close at the top and more than one award was given instead of one as originally stipulated.

An award ceremony was held on 10 July 2020, wherein the Awards were announced by Prof. Prem Krishna. Citations were read by Er. Vinay Gupta and Prof. T. Visalakshi. The Awards, each of which carries a certificate, citation and a memento, were conferred on the winners by the President IAStructE, Er. Manoj Mittal. The winners of the awards are as follows:

Outstanding Structure (Buildings category): Embassy Lake Terraces by Innotech Engineering Technologies

Outstanding Structure (other than Buildings category): Statue of Unity by Larsen & Toubro Ltd

Outstanding Structural Engineer – Dr Arjun Sil

Outstanding Structural Engineer – Mr Anal Naresh Shah

Outstanding Woman Structural Engineer – Dr. A. P. Shashikala

Outstanding Woman Structural Engineer - Ms. Amutha R.

Promising Young Structural Engineer – Dr. P. Pravin Kumar Venkat Rao

Promising Young Structural Engineer – Dr. Mohammad Adil Dar

Promising Young Structural Engineer – Dr. Satadru Das Adhikary

Best M.Tech Thesis – Commendation Certificate – Mr. Tapas Tripura

IAStructE once again congratulates all the winners and wish them greater success in contributing towards excellence in structural engineering.

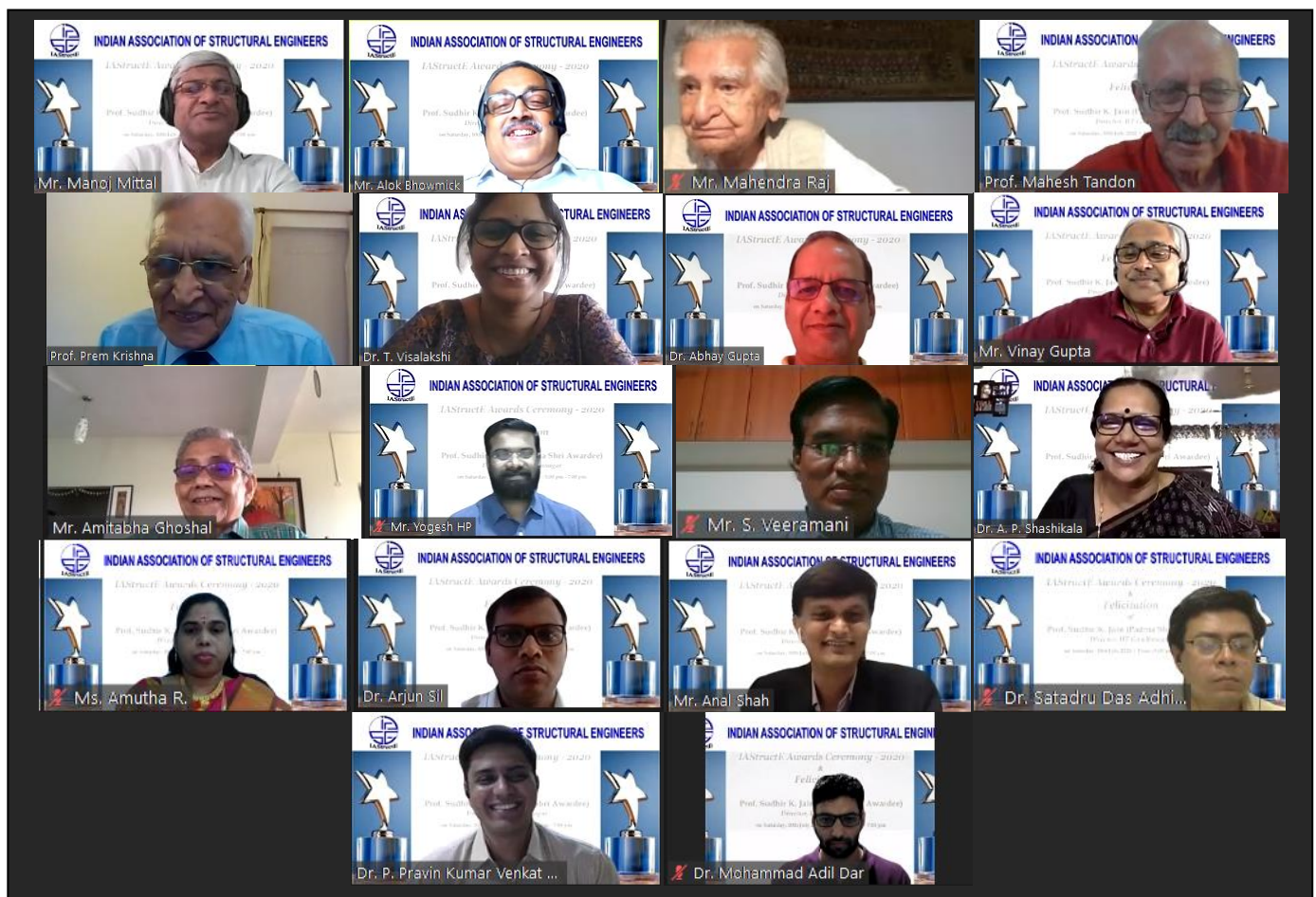


Fig. 2. Glimpses from the Awards ceremony

### 3. Felicitation Ceremony of Prof Sudhir Jain, Director IIT Gandhinagar & founder member IAStructE

After the award ceremony, the next event conducted online was the felicitation ceremony of Prof. Sudhir K Jain, Padma Shri Awardee, 2020.

IAStructE took great pleasure to felicitate one of their founder member Prof. Sudhir K Jain for his outstanding achievement and for conferment of Padma Shri by the President of India in the year 2020. Mr Alok Bhowmick started the event highlighting Prof. Sudhir Jains value system, his integrity, dignity, passion for the profession, ethics, hunger for innovation, his uncanny attention to detail ...all this put



together, which places him in a completely different pedestal from the rest. He then requested Prof. Mahesh Tandon, Past President of IAStructE to felicitate Prof. Sudhir K Jain.

Prof. Tandon in an eloquent speech recounted some of his interactions with Prof. Sudhir K Jain over the years, which gave an insight into the persona of the Mr Jain. He then read out the citation of Prof. Sudhir K Jain and felicitated him virtually.

This was followed by an enlightening speech by Prof Sudhir Jain on the subject titled: “Some Reflections on Structural Engineering Education & Practice”.

The ceremony ended with a vote of thanks by Prof. T Visalakshi, Honorary Secretary, IAStructE

Complete transcript of Prof. Mahesh Tandon introducing Prof Sudhir k Jain and recording of Prof Jain's talk is available on our website <http://www.iastrute.co.in>

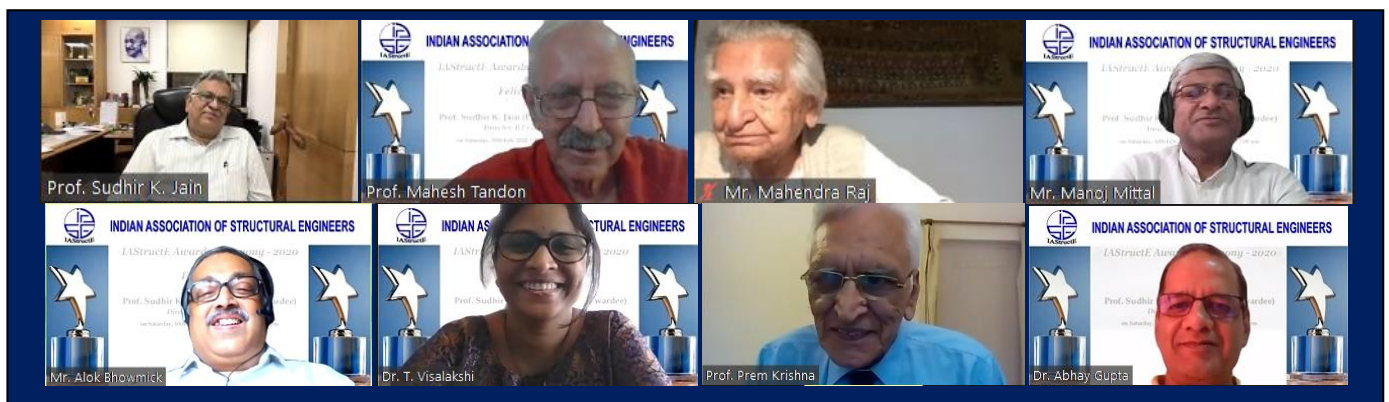


Fig. 3. Glimpses from the Felicitation ceremony

## 4. Webinar on “Construction of World's Largest Narendra Modi Cricket Stadium at Motera, Ahmedabad”

A webinar on “Construction of World's Largest Narendra Modi Cricket Stadium at Motera, Ahmedabad” on 30th July 2021 through online platform Zoom.

Speakers: Mr. A. T. Samuel, Director, STUP Consultants Pvt Ltd  
Mr Viral Patel, Managing Principal / Structures, Walter P Moore  
Mr. Shashidhar Chikodi, Associate Vice President, STUP Consultants Pvt Ltd  
Moderator: Mr. Manoj Mittal, President, IAStructE  
Panel members: Mr Jose Kurian, Senior Project Advisor (Technical), KIIFB  
Mr Alok Bhowmick, Immediate Past President, IAStructE

The webinar can be viewed at the following link: <https://youtu.be/uivnch7FWZA>



Fig. 4. Glimpses from the Webinar

## ONLINE REFRESHER COURSE

IAStructE is organizing an Online Refresher Course on “Design & Construction of Steel Bridges”, which was launched on 17th July 2021 and will continue till 28th August 2021. The lectures are being organized on every Saturday from 02:30 PM to 06:30 PM (IST). Mr. Anirban Sengupta, Fellow IAStructE and CTO 7 Jt. Vice President, STUP Consultants Pvt Ltd is the Course Coordinator. The eminent experts from the field have been invited for making the presentations. The course has been attended by 302 delegates. It has sponsored by Mageba and Supporters are GPT Infraprojects Ltd, P&R Infraprojects Ltd, TekSahaya Pvt Ltd, S P Singla Constructions Pvt Ltd, Tata Structura, Corrosion Protection Pvt Ltd. The two sessions were organized on 17<sup>th</sup> July, 24<sup>th</sup> July and 31<sup>st</sup> July 2021. Prof Prem Krishna, Former Professor, IIT Roorkee was invited as the special panelist during the inaugural session on 17<sup>th</sup> July 2021. The following speakers were made their presentation during the three sessions organized, so far:

Er. Amitabha Ghoshal, Advisory Consultant

Dr Harshavardhan Subbarao, CMD, Construma Consultancy Pvt Ltd

Prof. Satish Kumar, Professor, Structural Engineering, IIT, Madras,

Er. Ankit Bajoria, Assistant Manager, GPT Infraprojects Ltd

Mr. Sumantra Sengupta, Chief Manager, STUP Consultants Pvt. Ltd

Er. V. Karthik, Team Leader (Bridges), Ramboll India Pvt. Ltd.

Dr. S. K. Garg, Chief Project Manager, DMRC

Er. Vivek Bhushan Sood, Chief General Manager, Indian Railway Stations Development Corporation

Er. Amit Kumar Santra, Head Business Development (Tata Structura) Tata Steel Tubes SBU

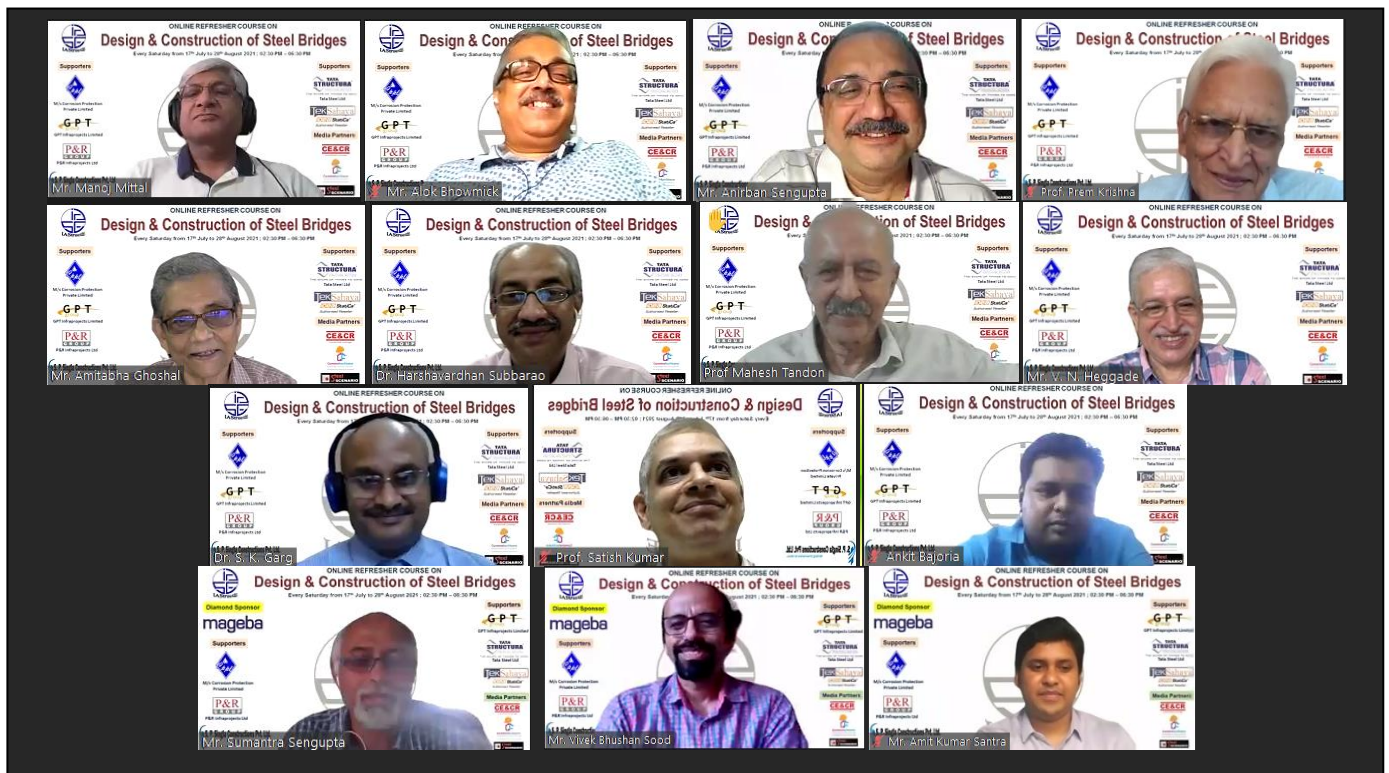


Fig. 5. Glimpses from the Online Refresher Course

### **FORTHCOMING EVENTS**

Event	Topic	Speaker	Date & Timing
Webinar	Demolition of Structures – Issues & Challenges  Registration link: <a href="https://us02web.zoom.us/webinar/register/WN_PDIEY43KTfaiD0WJguNNCw">https://us02web.zoom.us/webinar/register/WN_PDIEY43KTfaiD0WJguNNCw</a>	<b>Dr. Anil Joseph</b> , Director, Geostructurals (P) Ltd <b>Er. Sanjay Kumar Jain</b> , CEO, B&S Engineering Consultants Pvt Ltd <b>Er. Shashank Rajbhoj</b> , Assistant General Manager (Designs), Afcons Infrastructure Ltd	06 August 2021 at 04:00 PM
Webinar	Performance Based Structural Fire Engineering: Does it Exist?  Registration link : <a href="https://us02web.zoom.us/webinar/register/WN_YEm6z9yCQ2GxV7tEJLdTZw">https://us02web.zoom.us/webinar/register/WN_YEm6z9yCQ2GxV7tEJLdTZw</a>	<b>Prof. Luke A. Bisby</b> Head, Institute for Infrastructure & Environment, School of Engineering, University of Edinburgh	13 <sup>th</sup> August 2021 at 03:30 PM
Lecture Series (four lectures)	1 <sup>st</sup> Lecture - Earthquake Safety of Tall Buildings in India with Special Focus on IS 1893 and IS 16700 Provisions <i>Details shall be announced shortly</i>	<b>Dr. R. Pradeep Kumar</b> Professor, IIIT Hyderabad	20 <sup>th</sup> August 2021 at 04:00 PM
	2 <sup>nd</sup> Lecture - A Primer on Rapid Visual Screening - Consolidating Earthquake Safety Assessment Efforts in India <i>Details shall be announced shortly</i>		27 <sup>th</sup> August 2021 at 04:00 PM
Online Refresher Course	Seismic Strengthening and Retrofitting of Buildings <i>Details shall be announced shortly</i>	Eminent Experts are being invited for making the presentations	04 September to 02 October 2021 (every Saturday from 03 PM to 06 PM)
IAStructE Awards 2021	The details for inviting the nominations for various awards categories shall be announced and available on IAStructE website by the end of August 2021		

#### **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:

**July – September 2021 issue:**

**Theme: STRUCTURAL HEALTH MONITORING**

**Guest Editor-Prof. Suresh Bhalla, Professor, IIT Delhi**

Interested professionals may send the abstract along with their photograph and brief resume by 15<sup>th</sup> July 2021 and full paper by 15<sup>th</sup> August 2021.

**October – December 2021 issue:**

**Theme: DURABILITY OF STRUCTURES**

**Guest Editor- Mr Aman Deep Garg, Member IAStructE & Director, Creative Design Consultants & Engineers Pvt Ltd.**

**January – March 2022 issue:**

**Theme: PRECAST AND PREFABRICATED BUILDINGS**

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

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.

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***MEMBERS ACHIEVEMENT***

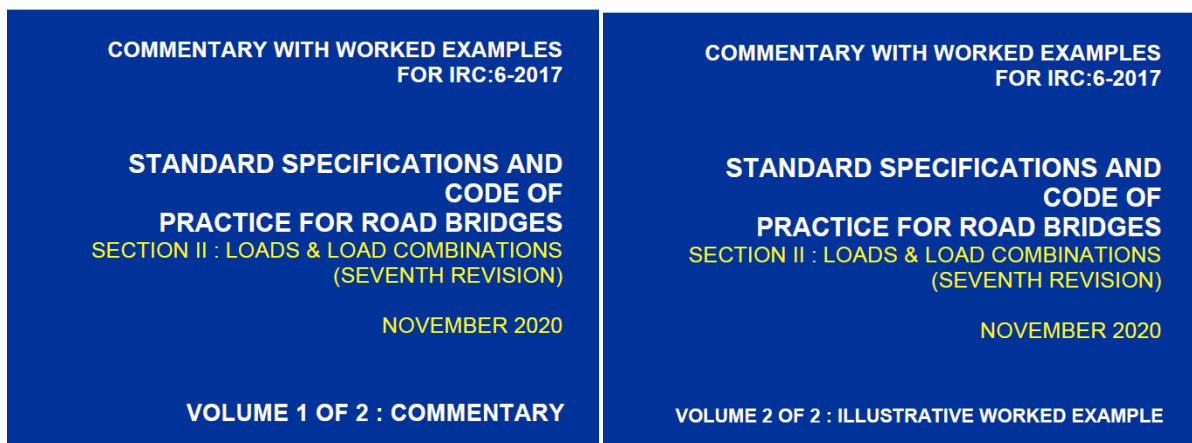
Prof. Mainak Ghosal, GC Member IAStructE & Consultant, has received Best Researcher award during the three days National Conference on Advancement in Interdisciplinary Research (NCAIR-2021), jointly organised by Amiruddaula Islamia Degree College, Lucknow, UP & Science Tech Institute, Lucknow, UP India on July 31, 2021.

**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



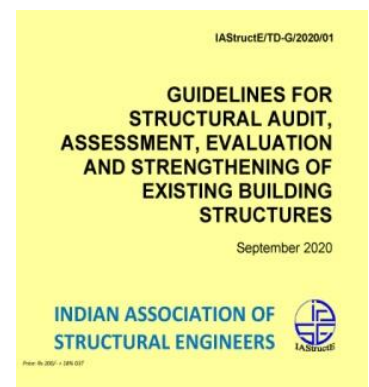
It's a priced document and hence not freely downloadable. However one can freely read the document by following the link. Volume 1: <http://www.iastructe.co.in/commentary-book/volume1/>

Volume 2: <http://www.iastructe.co.in/commentary-book/volume2/>

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. However one can freely read the document by following the link. <http://www.iastructe.co.in/guidelines-for-structural-audit/>

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 – 493	Mr. Rajagopal Reddy Saripalli	Chief Engineer Green Space Housing and Engineers P Ltd,	Hyderabad
F-494	Mr. Anirban Sengupta	Chief Technical Officer & Jt. Vice President, STUP Consultants Pvt Ltd	Kolkata
F-495	Dr. Indrajit Natwarlal Patel	Professor & Principal, Birla Vishwakarma Mahavidyalaya Engineering College	Vidyanagar (Gujarat)
F-496	Mr. Manish Kumar Gupta	Principal Consultant, Manish Consultants,	Gurgaon
F-497	Mr. Vivek Ganesh Abhyankar	Structural Consultant	Mumbai
F-498	Mr. Sanjay Arunkant Kothari	Structural Consultant	Rajkot (Gujarat)
F-499	Mr. Bhupat P. Vitthani	Managing Director, Multi Project Consulting Engineers	Surat (Gujarat)
F-500	Ms. Abha Gupta	Senior Structural Engineer, Gian P. Mathur & Associates P Ltd	Delhi

### “Member” Grade

<i>M/S No</i>	<i>Name</i>	<i>Designation, Organization</i>	<i>City</i>
M-312	Dr. Manoj Kumar	Associate Professor, Guru Nanak Dev Engineering College	Bidar (Karnataka)
M-313	Dr. P. Pravin Kumar Venkat Rao	Assistant Professor (EERC), IIIT Hyderabad	Hyderabad
M-314	Mr. Girishkumar V. Pokar	Senior Structural Engineer, Bureau Veritas India Pvt Ltd	Kheda (Gujarat)
M-315	Mr. Arunkumar G.	Manager (Bridge Division) Rites Ltd	Kolkata

### “Associate Member” Grade

<i>M/S No</i>	<i>Name</i>	<i>Designation, Organization</i>	<i>City</i>
AM-342	Ms Nishita Sharma	Owner, Shivaay Structural Consultants	Raipur (C.G.)
AM-343	Mr Vinay Kumar Singh	Assistant Professor, Department of Civil Engineering, Madan Mohan Malaviya University of Technology,	Gorakhpur (UP)
AM-344	Mr. Pradit Kulshrestha	Director, Livehooh Technologies Pvt Ltd	Delhi

### “Student Member” Grade

- One Student - CEPT University  
Thirty one Students - NSUT



## **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