



Consulting Engineers Association of India NEWSLETTER

JULY 2021

www.ceai.org.in

FROM THE

PRESIDENT'S DESK



IN THIS

ISSUE

Dear Friends,

Greetings!

At the outset I would like to wish that all of you and your family stay safe and healthy during this onslaught of monsoon menaces in most parts of our country on top of the already stressed covid situations. It is strongly perceived and felt that the intensity of rainfall is increasing at a faster pace than the resilience, with number of interventions, in the built environment. Such are the effects of Global Climate Change being observed all around the world from Europe to USA and China to India. Therefore, we need to further accelerate our STEM efforts for sustainable and affordable solutions in tackling such impacts.

July has been a very busy month with two very thought provoking and important webinars delivered by Western Regional Centre of CEAI and Future Leaders Forum of CEAI. Besides these, CEAI also jointly hosted a day long technology Workshop on "BIM" for Highways & Roads, Railways, Energy and Water and Wastewater with Capricot Technology and AUTODESK.

CEAI also participated in large number during the FIDIC ASPAC conference held of 30th July 2021. Amongst them were, Mr. Sudhir Dhawan, President -Elect FIDIC-ASPAC, Dr. Ajay Pradhan, President-CEAI, Dr S Chatterjee, Mr. Umesh Srivastava and Ms. Sayona Phillip, where Mr. Amitabha Ghoshal, Past President-CEAI delivered an impactful presentation on the new normal during COVID for Consulting Engineers.

Looking forward to your support and more active contributions.

Warm regards,

Dr. Ajay Pradhan

NEW VICE PRESIDENT OF CEAI

WEBINAR SERIES ON CONNECTED BIM FOR INFRASTRUCTURE

WEBINAR ON INTELLECTUAL Global
WEBINAR ON 'RAISING THE BAR BY
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CAREER, CHALLENGES &
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FORTHCOMING WEBINARS

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BOOK PUBLISHED BY CRC PRESS/T&F
TITLED "ENGINEERING ASPECTS OF
HOWRAH BRIDGE AT KOLKATA (1943)

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NEW VICE PRESIDENT OF CEAI

On account of the resignation of Mr. Prashant Kapila, Vice President, the Governing Council is pleased to accept the nomination of Mr Alok Bhowmick as the Vice President for the term 2021-2022.

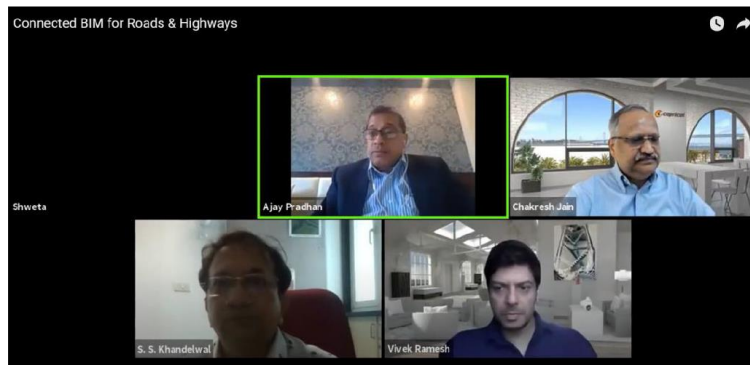
WEBINAR SERIES ON “CONNECTED BIM FOR INFRASTRUCTURE”

M/s. Capricot Technologies Pvt. Ltd. in association with CEAI organised a series of 4 Webinar on 9th July 2021 on the following topics:

Connected BIM for Roads & Highways

The matters presented were:

- Existing Conditions Modelling
- Survey & Planning
- Preliminary design
- Detailed Design
- Documentation
- Coordination and Visualization



Connected BIM for Rail

The issues covered were:

- BIM-GIS connected workflows for Site Planning & Feasibility Analysis
- Detailed Design of Rail Tracks, Stations and other Ancillary Buildings
- Design Automation on Rail Projects
- Common Data Environment
- IOT and Advances Analytics for Real-time performance monitoring



Connected BIM for Water & Wastewater

The topics discussed were:

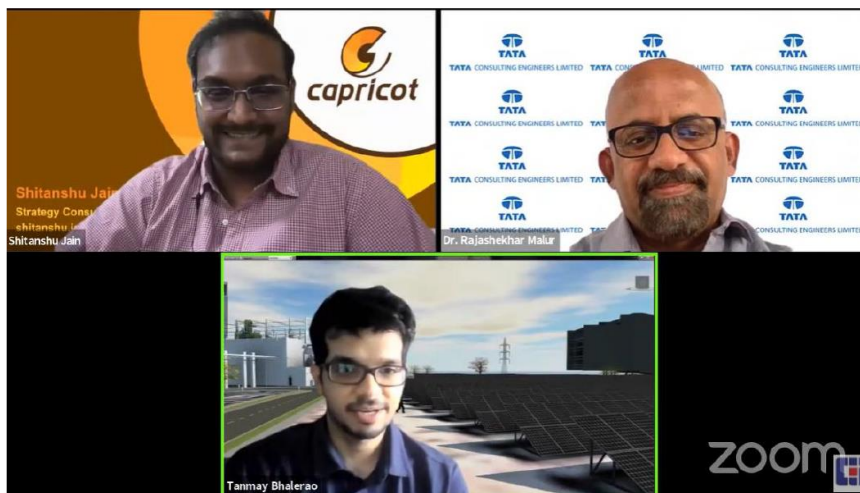
- Establishing Existing Conditions
- Surface Water Networks
- Site Grading
- Plant Building Creation
- Piping and Equipment
- Clash Detection
- Collaboration
- Visualization



End to End Solutions for Solar Projects

The session covered:

- Existing Conditions Modelling
- Solar Plant – Site Layout & Detailed Engineering
- Structural Design, Analysis & Modelling
- Electrical Utilities
- Yield estimation and simulation
- Construction Monitoring
- Operations and Facility Management



WEBINAR ON “INTELLECTUAL PROPERTY RIGHTS”

Consulting Engineers Association of India (CEAI) through its Western Region Centre organized a webinar on a ‘non-engineering topic’ on 15th July 2021 to create awareness regarding “*Intellectual Property Rights*” and to help professionals monetise their innovations and inventions which they do to fulfil the requirements of their work by safeguarding that knowledge and use it gainfully. The webinar covered the Value of data as an intangible asset and how to leverage IP strategy to drive business value.

Mr. Uttam Sengupta, Past Chairman CEAI-WRC, Mr. A P Mull, Past President CEAI, Dr. Harshavardhan Subbarao, Chairman CEAI-WRC and Mr. Jeffrey Nambiar, Hon. Secretary and Treasurer, CEAI-Western Region Centre (CEAI-WRC) organised the webinar with the support from Lex Mantis, Advocates & Legal Consultants.

Dr. Ajay Pradhan, President CEAI welcomed everyone and in his opening remarks gave examples of IPR in projects and how necessary it was that Consulting Engineers in India use it as a business avenue.

Mr. Uttam Sengupta then invited Ms. Anuradha Maheshwari, Founding Partner, Lex Mantis to make her presentations on “*Value of Data as an intangible asset*” and “*Leveraging IP strategy to drive business value*”.

After the presentations, Mr. Uttam Sengupta made his contribution to the discussion and invited participants for their comments and questions. Ms. Anuradha Maheshwari clarified all the doubts that were raised.

Mr. Jeffrey Nambiar thanked the speakers for driving home the issue of Intellectual Property Rights vis-à-vis the work repertoire of Consulting Engineers. He thanked the attendees for their patient hearing and interaction through the Q&A and Chat boxes.

The webinar was very well appreciated by all the participants and they were thankful that CEAI had arranged an essential non-engineering topic for their benefit.



WEBINAR ON ‘RAISING THE BAR BY WOMEN PROFESSIONALS - 3 CS OF CAREER, CHALLENGES & COMMITMENT’

In keeping with the aims & objectives of CEAI, the *Future Leaders Forum* of CEAI is encouraged to organise webinars in topics of interest to the young engineering fraternity. The Future Leaders Forum organised its first webinar on the topic ‘**Raising the Bar by Women Professionals - 3 Cs of Career, Challenges & Commitment**’, on 30th July 2021.

Dr Ajay Pradhan, President CEAI, welcomed the speakers and participants to the webinar. He briefed on the challenges being faced and the carrier opportunities for the women professionals in the industry.

Mr. Prashant Kapila, Vice President CEAI and Member of FIDIC D&I Committee explained about the Diversity and Inclusion Committee of FIDIC and its activities.

The speakers were:

- Ms. Jeshika Ramchund, Bosch Projects (Pty) Ltd – “Strengthening the pipeline of women professionals in engineering”
- Dr. Elisa Maceratini, FIDIC – “Women professionals and non-professionals as key actors in building more sustainable, equitable, and inclusive cities”
- Ms. Harshita Jain- Consulting Engineers Group Ltd. - “Breaking the Barriers: Women in Engineering”
- Ms. Parmita Ganguly -Tata Consulting Engineers Limited - “How Women can reach to the top of the Organisation Chart”

Ms. Neha Jain, Chairperson of the Future Leaders Forum moderated the event.



FORTHCOMING WEBINAR

a) Webinar on 'Ethical Conduct in Engineering Consultancy Practice'

CEAI is organizing a Webinar on '**Ethical Conduct in Engineering Consultancy Practice**' to advocate ethical practices amongst the consulting fraternity, through its day-to-day functioning and professional conduct. The webinar will be held on 24th September 2021 at 4 pm IST.

Ethical conduct relates both to an organisation's own practices and when rendering services to customers. It includes attributes like integrity, honesty, mutual respect, fairness, accountability, appropriate technology, adherence to quality, timelines, codes and standards, contractual commitments, environment & safety, sustainability, etc.

b) Challenges in Engineering Project Delivery with Focus on Pandemic Situation - Way Forward

CEAI Eastern and North East Region has planned a webinar on Saturday, 4th September 2021 on the theme "**Challenges in Engineering Project Delivery with Focus on Pandemic Situation - Way Forward**".

MEMBER NEWS

International Award to Engineer Mr. Avinash Shirode!

Mr. Avinash Shirode, a senior engineer from Nashik working in the field of space science and technology, has been honoured with the International "**Excellence Award**" by the National Space Society of America.

These Excellence Awards are presented to individuals in the dedicated Space sector to recognize and celebrate the contribution of these individuals to specific community service. Mr. Shirode has been given this award for his various awareness campaigns and initiatives promoting "Space Exploration and Space Settlement".

Avinash Shirode has been the President of the Nashik India Chapter of the National Space Society since its inception. The Nashik India Chapter was inaugurated on 26th February 2016 under the auspices of renowned Atomic Scientist Padma Vibhushan Dr. Anil Kakodkar. The chapter provides information and enlightenment to the specialty students on "Academic and Professional Opportunities in the Space Sector", up-to-date developments in the space sector, and activities of various organizations in the space sector over the next fifty years.

The annual awards ceremony is held on a grand scale at NSS's "International Space Development Conference". The award ceremony was held online last week (8th July 2021) through the internet as all the events were cancelled due to Covid this year.

Every year "World Space Week" is celebrated on a grand scale by Nashik Chapter. The week-long event features lectures and presentations by renowned space scientists. The entire event was celebrated online globally last year due to the Covid epidemic. For this, former chairman of ISRO Mr. Kiran Kumar and former Director of Satellite Center Dr. Annadurai and the other five days were hosted by a presentation by renowned NASA scientists.

Nashik Chapter has already received “Chapter Excellence Award” in 2018, the “Special Merit Award for World Wide Communication” in 2019 and the “David Dunlop International Award” in 2020 for three consecutive years. This year Mr. Shirole has received the “Excellence Award” on individual level.

Avinash Shirole was elected to the Board of Directors of NSS last year (2020). This is the first time a person from India has received this honour.

NSS is an independent educational and non-profit organization dedicated to the field of Space technology for the upliftment of humanity and for the expansion of civilization to other planets in Space beyond Earth and for the exploration and utilization of abundant resources. The agency advises NASA and the US government on Space policy.

BOOK PUBLISHED BY CRC PRESS/T&F TITLED - “ENGINEERING ASPECTS OF HOWRAH BRIDGE AT KOLKATA (1943)”

CRC Press/ Taylor & Francis Group has published a book titled “Engineering Aspects of Howrah Bridge at Kolkata (1943)” authored by Shri Amitabha Ghoshal, Past President, CEAI.

As per agreement between CEAI and Taylor & Francis Group (T&F), CEAI Members will get a 30% discount.

Members can order the book at 30% discount by filling the form with the code **HBK30**. A representative from Taylor & Francis will contact for payment and order fulfilment. Order Form - <https://bit.ly/3h5xQ46>

FIDIC ASIA PACIFIC ONLINE CONFERENCE

FIDIC Asia Pacific Online Conference on the theme ‘New Normal in Engineering Consultancy’ was held on 30th July 2021. The event was hosted by the Consulting Engineers Association of Thailand (CEAT).

Mr. Chawlit Chantararat President, CEAT welcomed the Participants and Mr. Anthony Barry, FIDIC President Elect, inaugurated the webinar.

Mr. Amitabha Ghoshal represented CEAI and paved the way for the event with his views on the theme *“The Future Effect of Pandemic on Developments in ASPAC Region: Way forward for Consultancy Profession”*

The other Speakers were:

Dr. Pornsak Supparatarn, CEAT Thailand, - *“New Era of Engineering Consulting Driven by Technology & Covid”*

Mr. Tran Manh Long, VECAS Vietnam - *“Post Covid-19 Construction: Adapting to the New Normal”*

Ms. Yuan Jing, CNAEC, China - *“Our Commitment to becoming a Front-runner in the Infrastructure Construction Whole Process: Consulting Field through Integration and Innovation”*

Prof. Mohan Kumaraswamy, Sri Lanka - *“Bouncing Back better: Targeting Holistic Best Value with Stakeholder Integration and Supply Chain Resilience”*

The webinar was a good opportunity for the participants to share knowledge and experience in dealing with the pandemic and seeking to sustain the industry.



FIDIC PROJECT AWARDS 2021 –DATE EXTENDED

A reminder that there is still time to enter this year's FIDIC Project Awards. The deadline has been extended to **Wednesday 4 August**, so you have another week to enter your projects into these prestigious annual awards.

FIDIC's popular Project Awards recognise and celebrate projects submitted by FIDIC member firms, Associates and/or Affiliates that demonstrate outstanding projects where FIDIC member firms have had a major involvement and provided consulting engineering and project management services on excellent projects of all types and all sizes. Winners of the FIDIC Project Awards will be presented digitally on 13 September 2021 as part of the annual [FIDIC Global Infrastructure Conference](#).

Project entries should: -

- Promote the key FIDIC principles of Quality, Integrity and Sustainability.
- Help publicise the work of consulting engineering firms and the contribution they make to quality of life.
- Encourage others to understand and support FIDIC principles.
- Demonstrate best practice in governance and leadership in projects of all sizes around the world.

Illustrate the contribution of consulting engineering firms to projects that enhance sustainability, economy, impact on environment and the social community and quality of life.

To enter the FIDIC project awards, the submitted projects should have been completed in the last five years. Projects can include refurbishments, decommissioning etc and are not just limited to new infrastructure. A maximum of 15 entries will be accepted from each country. If more than 20 entries are received from one country, priority will be given to those endorsed by the corresponding FIDIC

MA over those presented by Associate Members, which in turn will have priority over those presented by Affiliates.

All entries will be judged based on the information supplied on the official entry form on our **online awards platform**.

Make sure that you take the opportunity of entering your association in these awards to ensure that you gain international recognition for the brilliant work you have been doing over recent years.

Click here for full details of the awards and to submit your entry

<https://fidic.org/node/27362>

VIEW POINT

The June 2021 issue on ***“Risk and Resilience”*** has been published and soft copies circulated to all concerned. The September 2021 issue will be on ***“Flood Management in Built Environment”***

The Built-Environment is expanding by leaps and bounds. While it helps to improve the quality of urban life it is also disturbing the environment, especially the water bodies, lakes, rivers, and coasts. Professionals are invited to discuss how the two apparently opposing needs of urban expansion and reduction of water bodies, waterways, river regime, lake shores and sea coasts could be managed so as to obviate flooding in urban and even semi-urban areas. Glacial movement issues affect the semi-urban areas in the mountains and if not addressed can create disasters.

Professionals involved with urban development and the environment are invited to give their views and share their thoughts plus share their experiences, ideas and innovative solutions so that humans can utilize scarce resources and still maintain the balance with Nature.

Professionals are urged to share their knowledge and experience by providing case studies of the works executed or in execution, first-hand accounts of the challenges faced, practical issues experienced and the solutions to those, etc. Photographs, charts, diagrams, drawings, etc. would benefit readers for better appreciation of the issues encountered and the manner in which they were addressed.

Articles need to be in Times New Roman 12, single line spacing with before and after 6 pt and justified paragraph layout with normal margin on A4 size in single column format. A recent clear and bright passport size photograph of the author (in jpg format) is to be sent along with the article.

The themes for the ViewPoint issues for 2021 and 2022 are given below.

Sl. No.	Theme	ViewPoint issue
1	Flood Management in Built Environment Guest Editor: Mr. Dilip G Sonwane, AVP Built Environment, Infrastructure Business, TCE	September 2021
2	Changing Technologies for Consulting Engineering (to cover Business as well as Technical) Guest Editor: Mr. Atul Choudhari, Deputy CTO, TCE	December 2021
3	Becoming <i>Atmanirbhar</i> – Concept to Reality Guest Editor: Mr. Pradeep Chaturvedi, Chairman, Interdisciplinary Coordination Committee, IEI	March 2022

4	Contract Management	June 2022
5	Tall Buildings in India (to cover all aspects conceptualisation to end of design life)	September 2022
6	Technology/ Engineering for Sustainability and Circular Economy	December 2022

The articles for an issue need to reach CEAI office at least 3 weeks prior to the end of the month of the View Point issue.

Advertisement in ViewPoint

VIEWPOINT is circulated to all CEAI Members, FIDIC, Ministries of the Government of India, Public & Private Sector Undertakings, Construction Firms, Contractors, Consultants, Foreign Missions and Funding Institutions in India and other organisations related to or dealing with the engineering profession. Thus, all stakeholders partnering development and progress are its readers.

Catch the Customers Eye

Get Wide Exposure

Improve Visibility



VIEWPOINT

Support from CEAI members and stakeholders are sought in increasing the number of advertisements, such that View Point gain in its stature as a unique Technical Publication.

The rates for advertisements in VIEWPOINT are given below.

Item	Rate Per issue* (Rs)	Discounted rate at 20% for 4 consecutive issues* (Rs)
Back Cover **	25,000/-	80,000/-
Inside Front Cover ***	15,000/-	48,000/-
Inside Back Cover	15,000/-	48,000/-
Full Page	10,000/-	32,000/-

*GST @ 5% or as prescribed will be added to the above rates.

** Back cover is booked till March 2022

***Inside Front Cover booked till June 2022

Consulting Engineers Association of India

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