



IRRESISTIBLE INDIA⁷

A GLOBAL ENGINEERING POWERHOUSE



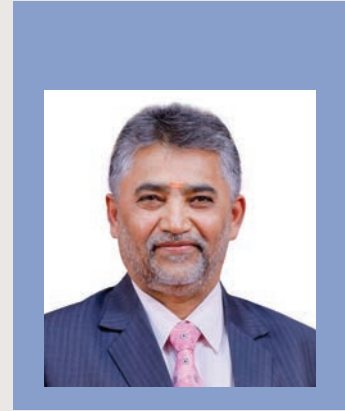
39TH INDIAN ENGINEERING CONGRESS
DECEMBER 20-22, 2024 | NOVOTEL, KOLKATA

ORGANISED BY

The Institution of Engineers (India)

HOSTED BY WEST BENGAL STATE CENTRE

President's Message



39th Indian Engineering Congress

As the world embraces the potential of deep tech, India is poised to emerge as a powerhouse in this transformative field. With thriving ecosystem, India is actively exploring and harnessing cutting-edge technologies, addressing societal challenges, and fostering transformative advancements and is set to reshape the future of innovation and solidify its position as a leader in the global deep tech landscape.

India's deep tech landscape has experienced an astonishing 53% growth, catapulting it to the forefront of global markets alongside established players like the US, Israel, and Europe. This rapid expansion sets the stage for India's future dominance in the deep tech realm.

In this wave of innovation, Indian start-ups are rewriting the rules of the global market, spearheading groundbreaking advancements and revolutionizing industries. These game-changers are reshaping the landscape in remarkable ways.

In this backdrop, The Institution of Engineers (India) have aptly resolute to organize the 39th Indian Engineering Congress at Kolkata on the theme "Irresistible India - a Global Engineering Powerhouse," encapsulating India's burgeoning influence in the global engineering landscape.

I believe that deliberations during the Congress by the acclaimed engineers, scientists, visionaries and doyens of industry in the field in different technical verticals of engineering science and technology will enlighten engineers, technologists, scientists and other stakeholders on the opportunities & challenges ahead for a safe, secure and meaningful development, in the years to come.

A handwritten signature in black ink, appearing to be 'G. Ranganath', written in a cursive style.

Dr G. Ranganath, FIE

President

The Institution of Engineers (India)

The Institution of Engineers (India)

Pioneers of Engineering Excellence

The Institution of Engineers (India), commonly known as IEI, stands as India's premier multidisciplinary professional body, representing 15 diverse engineering disciplines and serving as a global hub for engineers to exchange professional insights. Boasting a membership exceeding 9 lakhs, IEI, founded in 1920 with its headquarters in Kolkata, has an illustrious history spanning over a century of dedicated service to the engineering community and the nation. Incorporated by Royal Charter in 1935, IEI holds the revered distinction of being the sole professional body in India accorded such an honour. Today, it upholds a legacy of professional excellence, earning recognition and esteem across prestigious organisations worldwide. Operating in collaboration with professional engineers, academicians, and research professionals, IEI offers a wide spectrum of technical, professional, and supportive services to government bodies, industries, academia, and the engineering community. With a network spanning 124 State/Local Centres, seven Fora nationwide, and entities such as the Engineering Staff College of India (ESCI) in Hyderabad, alongside six Overseas Chapters, IEI stands distinguished as a Scientific and Industrial Research Organization (SIRO) sanctioned by the Ministry of Science & Technology, Government of India. The institution extends Grant-in-Aid to UG/PG/PhD students in Engineering Institutes & Universities to drive research and development initiatives. Additionally, IEI administers the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance and bestows the esteemed International Professional Engineers (IntPE) Certification.



Indian Engineering Congress

Engineering the Next Era

The aim of the Indian Engineering Congress is to bring to fore the developments in various fields of engineering and prepare our engineers to face the future challenges for sustainable development of the country.

This year the 39th Indian Engineering Congress is being hosted by the West Bengal State Centre from 20-22nd December, 2024 at Kolkata.

The objectives of the Indian Engineering Congress are:

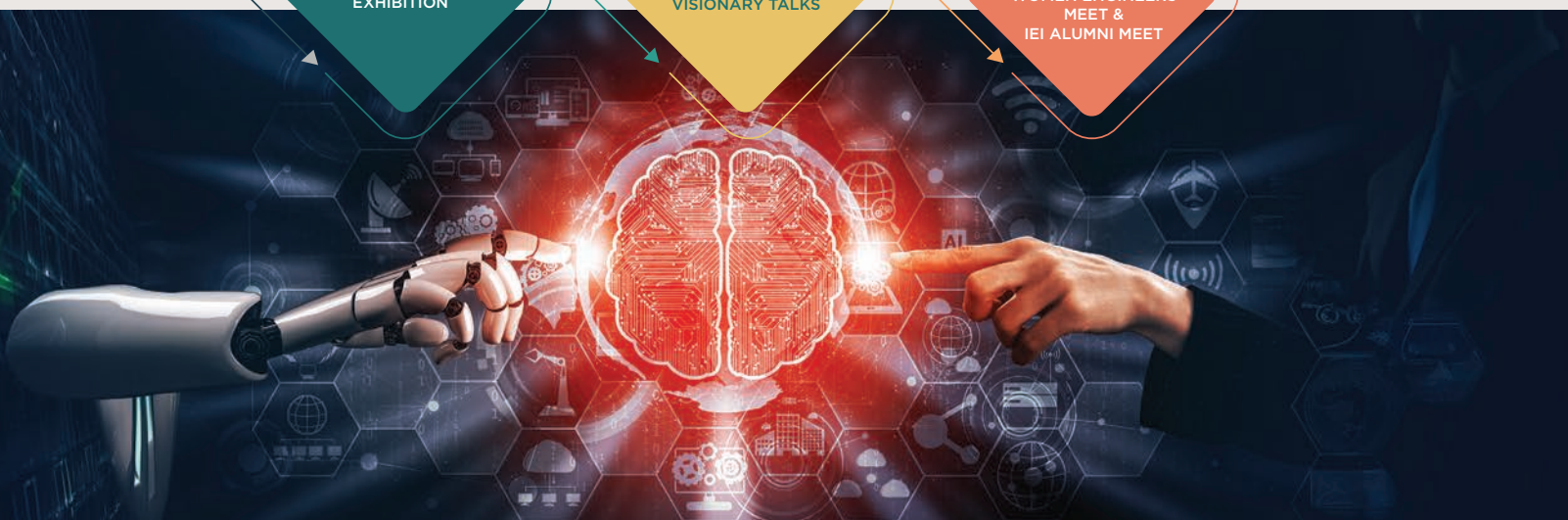
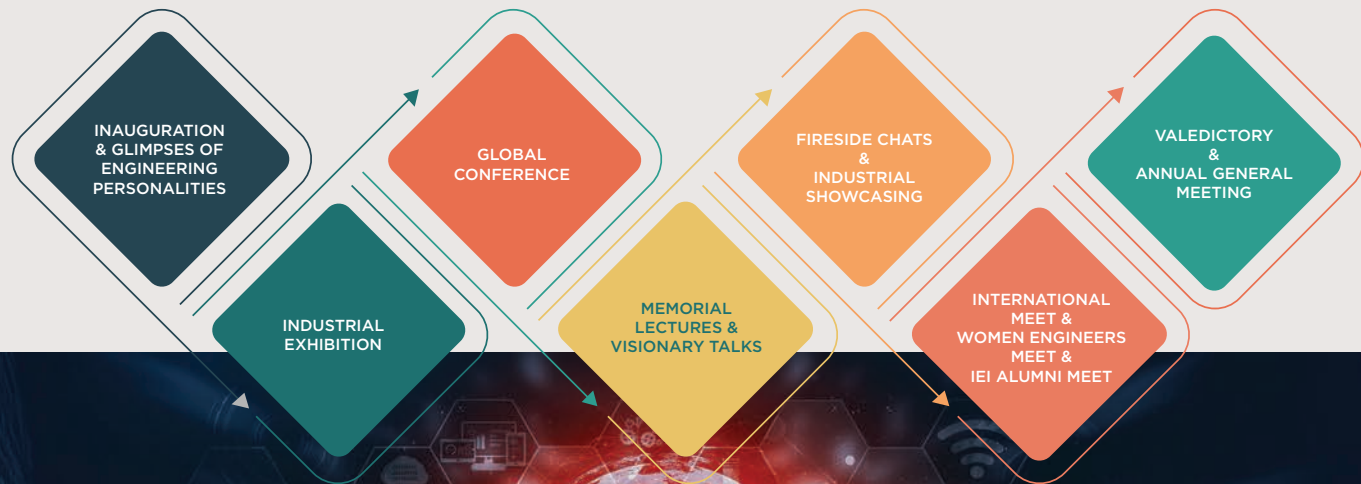
To debate and discuss the theme of the Congress to create awareness, promote ideas, innovations in their respective engineering disciplines.

To provide engineers with a forum for exchange of knowledge, updating information and developing a sense of responsibility in their professional functioning.

To promote and inculcate social responsibilities of engineers towards fulfilling the basic needs of common citizen of our country.

To promote the engineering practice that meets the challenges of sustainable and renewable energy demands.

Master Plan | Irresistible India – A Global Engineering Powerhouse





West Bengal State Centre

The Host

After the inaugural meeting that established the IEI in February 1921, a decision was swiftly made to establish local centers across India. As a result, the Bengal Centre was founded in 1921 in Calcutta to meet the needs of professional engineers in the eastern region.

Over time, the Bengal Centre was divided into the Bihar Centre in Patna in 1947, the Assam Centre in Shillong in 1958, and the Odisha Centre in Cuttack in 1959.

The State Centre further extends its reach through local centers in Asansol, Durgapur, Kharagpur, and North Bengal, creating a robust network. In addition to commemorating national and international events, the State Centre hosts its own events, including the organisation of Sir RN Mookerjee's birthday celebrations and memorial lectures featuring distinguished engineering personalities. This Centre plays a pivotal role in uniting professionals from industry and academia, offering guidance and support to local governments, civic bodies, and policymakers, fostering collaboration and progress in the engineering field.



Theme of the 39th Indian Engineering Congress

IRRESISTIBLE INDIA⁷ **A GLOBAL ENGINEERING POWERHOUSE**

India is a significant player in the global engineering landscape, driven by its robust IT industry, skilled workforce, and government initiatives. The Indian engineering sector provides high quality engineering goods and services to domestic as well as overseas markets. Engineering exports, about 110 billion USD in FY 2023-24, play a significant role in the Indian economy, contributing substantially to foreign exchange earnings and providing employment opportunities. India's engineering basket includes a wide range of products & services such as mechanical, electrical, process & transportation equipment & machineries, engineering goods, ICT Software and various other industrial products. Their exports cater to diverse sectors globally, including automotive, aerospace, construction, electronics, and more. Many MNCs have set up their Global Engineering Centre in India. Over the years, India has emerged as a prominent player in the global engineering market, with countries in Asia, Europe, North America and Africa being major importers of Indian engineering products & services. Our Engineering Export is expected to reach 1 trillion USD by 2030.

Spearheading innovation, India is home to a vast pool of STEM graduates, although a substantial focus remains on conventional IT development over research and innovation initiatives. In response to this dynamic, the Indian government has introduced the National Strategy for Artificial Intelligence, envisioning a vibrant AI research and development ecosystem. Noteworthy AI startups in India are actively revolutionizing sectors like healthcare, finance, and telecommunications, streamlining operations and enhancing efficacy across industries.

In essence, India, as a resolute global engineering force, stands prepared to enrich diverse sectors worldwide, encompassing Energy & Power, Metals & Minerals, Information & Communication Technology, Chemicals & Hydrocarbons, Biomedical Science & Technology, Environment & Sustainability, and Infrastructure. With a potent blend of resources, talent, and strategic initiatives, India is poised to drive innovative solutions and advancements across the global engineering landscape.

Broad outline of the Congress

Inaugural Session

- Chief Guest
- Guest of Honour
- Special Guest
- Theme Speech
- 8 Memorial Lectures
- 8 Visionary Talks
- 8 Fireside Chats
- 8 Glimpses of Engineering Personalities
- 8 Industry Showcase
- Congress Exhibition
- Congress Dinner
- 'Incredible Bengal' Cultural Evening

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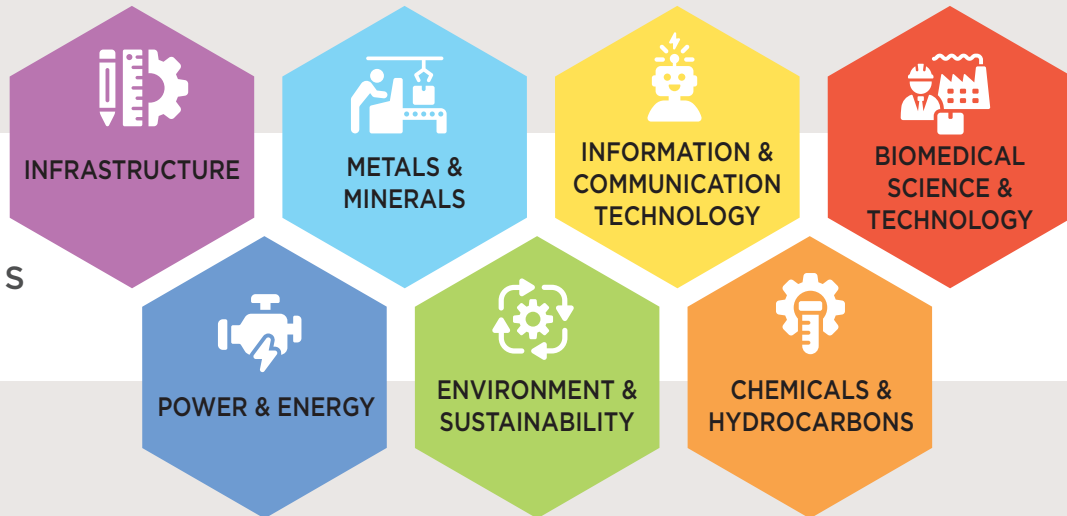
Global Conference

- Seven different sectors
- Six parallel sessions
- Nine sub-themes
- Paper presentation
- Seven best presentation awards
- SCOPUS Indexed journal publication
- Women Engineers Meet
- Alumni Meet
- International Meet
- Valedictory Session
- Prize Distribution
- Annual General Meeting

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SEVEN VERTICALS



Memorial Lectures

Eight Memorial Lectures have been instituted by IEI to commemorate outstanding engineers of India. Eminent Engineers from India and abroad are invited to deliver these memorial lectures. These lectures form an important part of the Congress.

- The 67th Sir Mokshagundam Visvesvaraya Memorial Lecture
- The 59th Nidhu Bhushan Memorial Lecture
- The 50th Bhaikaka Memorial Lecture
- The 46th Sir Rajendra Nath Mookerjee Memorial Lecture
- The 37th Dr. Ajudhia Nath Khosla Memorial Lecture
- The 33rd Dr. Amitabha Bhattacharyya Memorial Lecture
- The 14th Prof. CS Jha Memorial Lecture
- The 10th Dr. K L Rao Memorial Lecture



Glimpses of Engineering Personalities

A Look at Brilliance

The success stories and achievements of engineering personalities will be presented in the Congress followed by felicitation. The Indian Engineering Congress offers a great opportunity to young engineers to be inspired and motivated from the experience of these veterans who hail from Government, Industry, Research and Academic Institutions of excellence.

International Meet

Engineering voices from around the world

Indian engineers and technologists have made substantial contributions to advancing engineering practices both domestically and internationally. The IEI extends a warm invitation to engineers and technologists from around the globe to participate in the Congress and exchange the best global practices. Additionally, members from 32 international bodies, with whom IEI maintains bilateral relations, will be invited to join the engineering congress for an International Meet with the Council.

Visionary Talks

Words of Wisdom

The Congress will feature talks by distinguished visionaries in seven engineering verticals, focusing on the future of engineering and technology in the coming years.

Fireside Chats

Broadening the Horizon

One of the main highlights of the 39th Indian Engineering Congress will be Fireside Chats. These sessions will feature interactive discussions involving a moderator and three-five industry and academia experts, exploring various engineering topics through personal stories and insights. Nine such Fireside Chats are scheduled as part of the congress program.

Industry Showcasing

Witness the Future

Another interesting event at the Indian Engineering Congress will feature Indian and international engineering industries showcasing their distinctive products and services. These exhibits highlight India's allure to the global stage in infrastructure, power and energy, metals and minerals, environment and sustainability, information and communication technology, chemicals and hydrocarbons, and biomedical science and technology.



IEI Alumni Meet

The Brightest Minds Unite, Again.

The Indian Engineering Congress offers IEI Alumni a chance to reunite with their peers and also serves as a platform for mentoring the younger generation.

Women Engineers Meet

Breaking Barriers, Building the Future.

The IEI acknowledges the significant role and contributions of women engineers to society. At the Congress, a dedicated Women Engineers Meet will provide a platform for networking and participation in interactions with global leaders in the engineering profession.

Your Participation

As a SPONSOR

Type	Fee	Facilities
Principal Sponsor	₹25,00,000	10 minutes industrial presentation slot in Technical Session at Main Venue, 1 Welcome Gate at the Entry of Congress, 1 stall in Congress Exhibition, 1 Special Page Advertisement in Congress Souvenir, mention of name in all Congress Publicity Materials, 15 delegates free
Diamond Sponsor	₹15,00,000	10 minutes industrial presentation slot in Technical Session at Main Venue, 1 stall in Congress Exhibition, 1 Special Page Advertisement in Congress Souvenir, mention of name in all Congress Publicity Materials, 10 delegates free
Platinum Sponsor	₹10,00,000	1 stall in Congress Exhibition, 1 Special Page Advertisement in Congress Souvenir, mention of name in all Congress Publicity Materials, 8 delegates free
Gold Sponsor	₹5,00,000	1 stall in Congress Exhibition, 1 Special Page Advertisement in Congress Souvenir, mention of name in stage, 5 delegates free
Silver Sponsor	₹2,00,000	1 colour Page Advertisement in Congress Souvenir, mention of name in stage, 3 delegates free
Bronze Sponsor	₹1,00,000	1 Full ordinary Page Advertisement in Congress Souvenir, mention of name in stage, 2 delegates free

As an ADVERTISER in Souvenir

Type	Fee
Back Cover	₹2,00,000
Front Inside Cover	₹2,00,000
Back Inside Cover	₹1,00,000
Special Page	₹50,000
Full page (Colour)	₹25,000
Full page (B/W)	₹10,000

As a REGISTERED DELEGATE

Type	Fee (Upto 30 October)	Fee (After 30 October)
Corporate Member	₹8,000	₹9,000
Non-IEI Member	₹12,000	₹15,000
Paper presenter/Student	₹7,000	₹8,000
Foreign Delegates	₹8,500/\$100	₹9,500
Spouse	₹4,000	₹5,000

As an EXHIBITOR

Type	Size	Fee
Stall	2m x 2m	₹3,00,000
Standee	—	₹25,000
Gate	—	₹2,00,000

Payments

Account Name: The Institution of Engineers India 39 IEC
 Account Number: 50200098404381
 Bank: HDFC BANK
 IFSC: HDFC0000469
 PAN : AAATT3439Q
 GST: 19AAATT3439Q2ZQ

*GST @18% shall be added with all the above payments.



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December 20-22, 2024 | Novotel Hotel, Kolkata

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