



**The Institution of Engineers (India)**

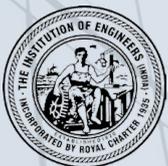
A Century of Service to the Nation

# **40<sup>TH</sup> NATIONAL CONVENTION OF ARCHITECTURAL ENGINEERS**

**Theme : TOWARDS SUSTAINABLE CITIES -  
STRATEGIES AND TECHNOLOGIES**



Organised by



**The Institution of Engineers (India)**  
**Kochi Local Centre**

Under the aegis of  
Architectural Engineering Division Board, IEI

**9th & 10th October 2025**

**Venue: IEI Bhavan, IE(I) Kochi Local Centre**

## About The Institution of Engineers (India)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest. IEI has membership strength of above 2.6 lakhs. Established in 1920, with its headquarter Kolkata, IEI has served the engineering fraternity close to a century. During this period of time, IEI has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India which has been accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 124 Centres located across the country and 6 overseas chapters. Besides, IEI has bilateral agreements with about 31 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Research Organisation (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, post graduate students and PhD Research Scholars of Engineering Institutions and Universities.

IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India and besides conducting its' own research, provides Grant-in-Aid to UG/PG/PhD students of Engineering institutes and Universities.

IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The institution also awards the Professional Engineers (PE) Certification.

IEI in collaboration with Springer regularly publishes peer-reviewed international journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering fifteen engineering disciplines.

For details, please visit [www.ieindia.org](http://www.ieindia.org)

## About Kochi Local Centre

The Kochi Local Centre established at Kochi in the year 1971, is the most active and 2nd largest Local Centre in the Country. Since its inception, it has been serving in the society in general and the engineering community, in particular with the said objectives and plays a significant role in dissemination and proliferation of knowledge amongst its members. With a meagre membership to start with, the centre has brought into its fold a large section of fraternity with membership strength of more than 12000 nos including more than 5000 Corporate Members.

Website: [www.ieikochi.org](http://www.ieikochi.org)

## **Theme of the Convention :**

### **Towards Sustainable Cities - Strategies and Technologies**

#### **About the Theme**

Sustainable Cities and Communities, outlined as SDG 11, originated from the 2015 Paris Summit, also known as COP 21. India is one of the 196 signatories to the binding Paris Agreement. Goal 11 is a comprehensive index encapsulating various linear SDGs on a detailed level, though SDG 11 is earmarked as one among the 17 SDGs. SDG 11, Sustainable Cities and Communities, deserves to be placed as the mother SDG under which all other 16 linear SDGs could be achieved simultaneously, with effective indicators at the city and regional levels. As per the United Nation's projections nearly 68% of the World Population is going to live in Cities(Urban)

Cities are both the centres of human development and the centres of consumption. In line with the UNDP findings in various Human Development Reports, the core objectives of Sustainable Cities and Communities include promoting good health, meaningful education, and income generation most inclusively to reduce disparities. Additionally, Sustainable Cities and Communities need to address optimizing resources and energy with minimal emissions, as the Earth is already overshoot by 75%, as per the Global Footprint Network calculations. While addressing intragenerational sustainability by reducing disparities in Human Development Achievements, intergenerational sustainability must also be considered to manage human development and progress effectively.

Along with world urbanization, technological innovations are also advancing significantly to optimize human development and progress by reducing losses due to inequality, emissions, and non-performing assets. If this rapid urbanization trend is managed prudentially, it can create order rather than chaos. The world cannot afford to turn to chaos; hence, effective strategies and technological innovations are necessary to enhance the performance of cities and their supporting regions. If the ecological overshoot tendency is not contained, humanity may have to pay a huge toll in the form of suffering, distress, and loss of life.

India is a country that will be seriously affected by global warming, according to study reports. India is also experiencing rapid urbanization. India's Human Development Achievements are dampened by the inequality dimension of human development. The losses due to inequality in India are skewed towards the least developed areas. India's intergenerational sustainability is quite strong, as the average Indian consumes only 0.7 Earths, while the world average is 1.75 Earths. The average American consumes 5 Earths, as do many other developed countries, according to 2022 calculations. The host State Kerala where Kochi City is situated has peculiar sustainability issues and are to be streamlined by corrective policies and technological interventions and applications.

The proposed National Seminar aims to integrate papers addressing strategies and technological innovations related to Sustainable Cities and Communities. Based on a human-centric approach, in line with the human development quantification of UNDP (Output), and considering the Ecological Footprint Theories of the Global Footprint Network (Input).

### **Sub themes**

- Sustainable City strategies,
- Decision-making using Geographical Information Systems and Remote Sensing
- Mass Rapid, Transport Systems
- Non-motorized Transport Systems
- Energy-efficient and sustainable building
- Infrastructure technologies
- Renewable energy utilization
- Effective water management combating flood and drought
- Solid waste management
- Combating urban heat islands and reduced air pollution
- Efficient regional planning
- Block chain technology implementation
- Effective sewage systems
- The use of artificial intelligence to achieve sustainable cities

**Concept Reference:** [www.centreforeenvironmentalefficiency.org](http://www.centreforeenvironmentalefficiency.org)

**Image Source:** UNDP

### **Call for Papers**

Engineering professionals from industries, research and development organizations, academic institutions, Government Departments are invited to contribute papers on the lecture and lecture on theme and sub themes. The Convention will consist of a keynote address, memorial lecture, and invited lectures by eminent scientists and engineers. Participants intending to present papers are requested to send a soft copy of the abstract not exceeding 250 words with title, name of authors, affiliations and email address typed in font Times New Roman and font size 12 on A4 size paper. Upon acceptance of the abstracts, the full length paper should reach us within the deadline to the mail id [ardbnationalconvention2025@ieikochi.org](mailto:ardbnationalconvention2025@ieikochi.org). The accepted papers will be published in the technical volume being brought out on the occasion of the National Convention

## Important Dates

- Last Date of Receipt of Abstract of paper : 15th July , 2025  
Intimation of acceptance of Abstract of paper : 15th August, 2025  
Last date for the receipt of the camera ready paper : 10th September, 2025

## Registration Fee

- Sponsored Delegates : Rs. 3500/- (including GST )  
Corporate Members of IEI or any other associated Organization : Rs. 2000/- (including GST)  
Non Members : Rs. 2500/- (including GST)  
Research Scholars/Students  
Spouse of a Delegate : Rs. 1000/- (including GST)

## Sponsorship & Co-Sponsorship

- Diamond Sponsor - Rs. 3,00,000/- (18% GST extra)  
(Three delegates and inside full-page advertisement)  
Gold Sponsor (Co-Sponsor) - Rs. 2,00,000/- (18% GST extra)  
(Two delegates and inside full-page advertisement)  
Silver sponsor - Rs. 1,50,000/- (18% GST extra)  
(One delegate and inside full-page advertisement)

## Advertisement Tariff

A Souvenir in A4 size ( black & white) containing the abstracts of the papers presented at the National convention will be published on the occasion of the National convention for distribution to delegates and various organizations across the country.

- Back Cover outside (Colour) : Rs. 50,000/- (5% GST extra)  
Back Cover inside (Colour) : Rs. 25,000/- (5% GST extra)  
Front Cover inside(Colour) : Rs. 25,000/- (5% GST extra)  
Inside full page (Black&White): Rs. 15,000/- (5% GST extra)  
Inside half page (Black&White): Rs. 10,000/-(5% GST extra)

## Date and Venue

The Convention is to be held at IEI Bhavan, IE(I) Kochi Local Centre on 9th & 10th October 2025

## **Exhibition of Product/Services:**

An exhibition is also being organized with the aim to provide an opportunity for all Architectural Engineering Industries to exhibit their various products for the benefit of delegates and others. 8x 6 feet space will be provided at a nominal amount of Rs.10000/- for the Exhibitors for two days.

## **Demonstration of Students project works and presentation of technical papers:**

The members of IEI Student Chapters and students studying in colleges with Institutional membership in IEI will get an opportunity to exhibit the accredited project work and models and present papers related to the theme and sub-themes of the National Convention. All the participants will be provided with certificates. The papers not exceeding 4 pages in the prescribed format (A4 size, 12 fonts, Times New Roman should be in Word format) may be forwarded to the email: [arbdnationalconvention2025@ieikochi.org](mailto:arbdnationalconvention2025@ieikochi.org) to get on or before 15th July 2025. The accepted papers will be published with ISBN in the technical volume being brought out on the occasion

## **Payment:**

All payments are to be made through crossed Cheque / Demand Draft or Digital payment

favour of “The Institution of Engineers (India), Kochi Local Centre” Payable at Kochi.

Bank name: State Bank of India

Account No 57067402928,

IFSC SBIN0070142



## **ADDRESS FOR CORRESPONDENCE**

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# The Institution of Engineers (India)

**Kochi Local Centre**

REGISTRATION FORM

## **40TH NATIONAL CONVENTION OF ARCHITECTURAL ENGINEERS**

**Theme : TOWARDS SUSTAINABLE CITIES - STRATEGIES AND TECHNOLOGIES**

Name:.....

Organization/Institution:.....

Designation:.....

Address:.....

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Mobile.....Telephone:.....Fax:.....

Email:.....

Registration category:

Sponsored Delegate     Member     Non-member     Student

Diamond Sponsor     Gold Sponsor     Silver Sponsor     Sponsor

I/We enclose a Cheque/Demand Draft/ UPI ID No..... for Rs.....  
(in figures) (Rupees.....only)(in words) in  
favour of The Institution of Engineers(India),Kochi Local Centre Payable at Kochi & Drawn on  
(Bank Particulars) .....Cheque/Demand Draft No..... Dated.....

Signature