

The Institution of Engineers (India)

A Century of Service to the Nation

Third Regional Conclave of Students'
Chapters
(Eastern Region)

Theme: **“Green Sustainability Development
in Engineering & Technology”**

Date: April 05, 2024

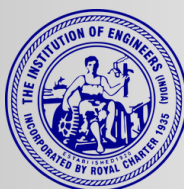
Organised by

JIS College of Engineering



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The Institution of Engineers (India)



Venue: JIS College of Engineering, Kalyani

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 from which to share professional interest. IEI has membership strength of over 2.54 lacs. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata 700020, IEI has served the engineering fraternity for over 100 years. In this period of time it 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 to be 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. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 125 Centres located across the country. The Institution also provides grant-in-aid to its members to conduct research and development on engineering subjects. 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 & Universities.

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

For details, please visit www.ieindia.org

About the College

JIS College of Engineering, affiliated by All India Council of Technical Education and affiliated by Maulana Abul Kalam Azad University of Technology (MAKAUT), started the journey in the millennium year 2000. The Institute has been accredited by NAAC with 'A' Grade in consecutive cycle. The Institution received the Autonomous status from the University Grants Commission (UGC) in the year 2011. The institute is ranked by NIRF Innovation in the range of 101-151 in 2023. The Institution excels as one of the top premiere institutes in India owing to its State-of-the-art Infrastructure, well equipped laboratories, highly qualified and experienced faculty members, and well-established alumni over the world. The Institute is supported by eminent experts from various industries and corporations. The Institute fulfils the expectations of Government organizations in Research and Development and has received numerous grants from various funding agencies such as DST, CSIR, UGC, AICTE etc.

Objective

To integrate environmentally conscious practices and principles into the design, construction, and operation of systems, products, and processes within these fields.

To minimize negative impacts on the environment while promoting long-term sustainability.

Theme of Conclave

Green Sustainability Development in Engineering & Technology

Sub Theme

1. Renewable Energy Technologies: ·Solar power innovations ·Wind energy advancements, Biomass and bioenergy solutions.
2. Green Building and Infrastructure: ·Sustainable construction materials, ·Energy-efficient building designs, ·Smart and green infrastructure
3. Circular Economy in Manufacturing: ·Sustainable and recycled materials, ·Waste reduction and resource efficiency, ·Closed-loop production systems
4. Smart Cities for Sustainability: ·IoT (Internet of Things) applications for energy management, ·Intelligent transportation systems, ·Sustainable urban planning and development
5. Water and Environmental Engineering: ·Water conservation technologies, ·Waste treatment and recycling, ·Environmental impact assessments
6. Green IT and Electronics: ·Energy-efficient computing, ·E-waste management, ·Sustainable electronics manufacturing
7. Climate Change Mitigation Technologies: ·Technologies to reduce greenhouse gas emissions, ·Carbon capture and storage innovations ·Climate-resilient infrastructure
8. Sustainable Transportation: ·Electric and hybrid vehicles, ·Efficient public transportation systems, ·Sustainable aviation and shipping solutions
9. Nature-Inspired Engineering: ·Biomimicry in design, ·Eco-friendly materials inspired by nature, ·Sustainable solutions derived from natural processes
10. Green Innovation in Agriculture: ·Sustainable farming practices ·Precision agriculture technologies, ·Agroecology and permaculture

Technical session

- Guest Lectures
- Paper Presentation
- Poster Presentation
- Panel Discussion
- Engineering Project Model Competition

Paper submission: By sending as email attachment to conference@jiscollege.ac.in

Accepted papers will be communicated to the IEI in collaboration with Springer peer-reviewed International Journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering 15 engineering disciplines, which are Scopus Indexed.

Registration Fees:

For IEI Students: Rs 200 per Author/Participant/Team member

For Non IEI Students: Rs 250 per Author/Participant/Team member

Payment Information:

Bank Name: PUNJAB NATIONAL BANK

A/C No: 6619000100037177

A/C Name: JIS COLLEGE OF ENGINEERING, A/C ICAME 2015

MICR Code: 700024087

IFSC Code: PUNB0661900

Branch: Kanchrapara

Upload the payment details in the Registration form link below,

<https://forms.gle/JtY5Hewi1HrMukBp7>



Important Dates:

Registration Opens: 15.02.2024

Last date for receipt of full-length paper/poster: 15.03.2024

Notification of Acceptance of papers 24.03.2024

Registration Closes: 28.03.2024

Publication of Program Schedule 29.03.2024

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Contact:

Name of the Contact Person: Dr. Indranath Sarkar

Address: JIS College of Engineering, P-III, Block A5, Kalyani, Nadia 741235, West Bengal

Phone: 8240533192

Email: indranath.sarkar@jiscollege.ac.in