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Dr. Nitish Kaushik  
Assistant Professor- Mechanical

Dr. Saurabh Kumar  
Assistant Professor- Civil

Ms. Divya Negi  
Assistant Professor- Civil

### IMPORTANT DATES

Abstract Submission Open: 15.11.2024

Abstract Submission Close: 28.12.2024

Abstract Acceptance: 08.01.2025

Full Paper Submission: 18.01.2025

Full Paper Acceptance: 03.02.2025

Last Date to Register: 20.02.2025

### REGISTRATION & ABSTRACT SUBMISSION LINK

<https://forms.gle/dohHdYjbtwzZJDq79>

### BANK DETAIL FOR REGISTRATION

Account Name: Lingaya's Vidyapeeth  
Bank Name: ICICI Bank  
IFSC Code: ICIC0006303  
Account No: 630305013626

### REGISTRATION FEE FOR THE CONFERENCE

Category	Registration Fee
Faculty Members	₹ 4000
Research Scholars	₹ 3000
International	100 \$
Industry	₹ 5000



**LINGAYA'S VIDYAPEETH**  
(Deemed-to-be University)  
u/s 3 of UGC Act 1956, Govt. of India



# IC-I3SF-2025

## International Conference on

## Innovative Smart Solutions for Sustainable Future

25<sup>th</sup>-26<sup>th</sup> April 2025

Lingaya's Vidyapeeth, (Deemed-to-be University),  
Nachauli, Jasana Road, Gr. Faridabad, India, 121002

### INTERNATIONAL ADVISORY BOARD

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Professor, Civil Engg., KIIT Odisha


All the selected papers in  
the conference will be published in  
the Scopus Index-Proceedings & Journals.


### Contact us

Convenor- IC-I3SF-2025

 **LINGAYA'S VIDYAPEETH**  
Nachauli, Jasana Road, Gr. Faridabad, 121002

 [ic-i3sf-2025@lingayasvidyapeeth.edu.in](mailto:ic-i3sf-2025@lingayasvidyapeeth.edu.in)

 +91-9540199255, +91-8439455464, +91-9988779099,  
+91-9182776604

 [www.lingayasvidyapeeth.edu.in](http://www.lingayasvidyapeeth.edu.in)

Organized By

Department of Architecture, Civil, Electronics  
& Communication and Mechanical Engineering

## About the Conference

The International Conference on "Innovative Smart Solutions for Sustainable Future" brings together experts from architecture, civil, electronics and communication, and mechanical engineering to explore cutting-edge technologies aimed at addressing sustainability challenges. In architecture, the focus is on smart, energy-efficient building designs and green architecture, using tools like Building Information Modelling (BIM) to optimize sustainability. Civil engineering discussions centre on resilient infrastructure, smart cities, and innovative materials like self-healing concrete, aimed at reducing carbon footprints and increasing urban resilience. Electronics and communication engineering focuses on innovations in IoT, smart devices, and communication systems that enhance the efficiency of smart cities, optimize resource management, and support the development of intelligent infrastructure. Mechanical engineering contributes through smart manufacturing, advanced HVAC systems, and energy-efficient technologies like waste heat recovery, all designed to minimize industrial energy use. This interdisciplinary conference promotes collaboration, advancing innovative solutions for a more sustainable and resilient future.



## About the University

The journey of Lingaya's Vidyapeeth began in 1998 with a vision to provide quality education & contribute to societal advancement by producing leaders, innovators, & responsible citizens. Over the years, we have grown into a comprehensive university, offering a wide range of undergraduate, postgraduate, & doctoral programs across various disciplines. The vision of Lingaya's Vidyapeeth is to be a beacon of excellence in education, known for producing graduates who are not only academically proficient but also possess a deep sense of integrity & compassion. We aspire to be a hub of innovation, research, & creativity, driving advancements in various fields. Lingaya's Vidyapeeth envisions a learning community that transcends geographical boundaries, where diversity is celebrated, & ideas flow freely. With a forward-thinking approach & a steadfast dedication to quality education, Lingaya's Vidyapeeth aims to be a catalyst for positive change in the lives of its students & the communities they would serve. Through its unwavering commitment, Lingaya's Vidyapeeth continues to be a cornerstone of educational innovation & excellence, shaping leaders & thinkers of tomorrow.

## Thematic Areas

1. Thematic areas for the International Conference on "**Innovative Smart Solutions for Sustainable Future**" could include:

- Sustainable Architecture & Urban Design
- Smart building technologies
- Green architecture and eco-friendly materials
- Energy-efficient urban planning

### 2. Digital tools for sustainable design (e.g., BIM)

- Resilient Infrastructure and Smart Cities (Civil Engineering)
- Sustainable construction materials and technologies
- Smart transportation systems and urban mobility
- Water resource management and waste treatment
- Disaster-resilient infrastructure

### 3. Electronics and Communication for Smart Solutions

- Internet of Things (IoT) in smart cities
- Advanced communication systems for intelligent infrastructure
- Wireless sensor networks for energy and resource management
- Automation and AI-driven solutions for smart environments

### 4. Energy-Efficient Systems and Smart Manufacturing

#### (Mechanical Engineering)

- Fluids and Thermal Engineering
- Engineering Design
- Engineering Materials
- Robotics and Automation
- Production Engineering and Technology
- Industrial Engineering and Management
- Computational Engineering

### 5. Cross-Disciplinary Smart Solutions

- Integration of IoT and AI across sectors
- Sustainable innovations in transportation (e.g., electric vehicles)
- Renewable energy technologies and energy storage systems
- Collaboration across architecture, civil, electronics, and mechanical engineering for holistic solutions

## Expected Outcomes

The International Conference on "Innovative Smart Solutions for Sustainable Future" is expected to foster interdisciplinary collaboration and knowledge sharing among professionals from architecture, civil, electronics and communication, and mechanical engineering. It will lead to the development of innovative, smart technologies and sustainable practices in areas like infrastructure, energy management, and urban planning. The conference will also encourage research partnerships and provide policy recommendations for enhancing sustainability efforts. Participants will showcase cutting-edge technologies and best practices, while identifying future research directions and technological gaps. Overall, the event will contribute to capacity building and advancing global efforts towards creating sustainable, resilient cities and systems.



## Guidelines


Authors are invited to submit abstract of their research work in the prescribed format on the web link. The abstract should be typed in English language using MS word (single space, Times New Roman, size-12 & should not exceed 250 words. The abstract must contain title of the paper, name(s) of the author followed by their affiliation, contact number & e-mail. The name of presenting author must be underlined. Abstract should also contain keywords. After peer review, paper will be selected for oral/poster presentation & will be informed accordingly. Only one abstract/paper will be accepted for each registered author for the conference.




## Contact us Convenor- IC-I3SF-2025

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 [ic-i3sf-2025@lingayasvidyapeeth.edu.in](mailto:ic-i3sf-2025@lingayasvidyapeeth.edu.in)

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+91-9182776604

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