

## From Editorial Board

***“The Earth provides enough to satisfy every man's needs, but not every man's greed”***

***- Mahatma Gandhi.***

In a world facing the irreversible consequences of climate change, the role of architecture and construction is more critical than ever. The pursuit of **carbon neutrality** in the built environment is no longer optional—it is a collective responsibility that demands innovation, introspection, and interdisciplinary collaboration.

It gives us immense pride to present **Volume 4 of *STHALA***, the annual academic journal of **SJB School of Architecture & Planning, Bengaluru** (e-ISSN: 2582-9491). This volume brings together a curated collection of **scholarly articles, design research, and academic reflections** centred around the theme **“Towards Carbon Neutrality in Construction: Strategies and Solutions.”** This issue serves as a timely response to the urgent environmental imperatives our industry faces today. It highlights **pragmatic strategies, emerging technologies, traditional wisdom, material innovations, and policy perspectives** that together pave the path toward more sustainable and resilient built environments.

Through this platform, we seek to **ignite meaningful dialogue** among professionals, educators, and researchers about how the construction industry can shift from being a significant contributor to climate change, to becoming a key driver of ecological restoration and climate justice. Each contribution in this volume reflects the growing awareness and responsibility within the architectural fraternity emphasizing not only the importance of low-carbon strategies but also the ethical and social dimensions of sustainable practice.

We extend our heartfelt appreciation to all the authors for their **rigorous research and critical engagement** and congratulate them for their efforts in contributing to this important discourse. As we navigate an increasingly complex and fragile world, *STHALA* remains committed to **amplifying voices that challenge, innovate, and inspire**—ensuring that architectural education and practice remain at the forefront of change.

— *Editorial Team*

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## Editor-In-Chief

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Dr. Asmita Yadav is an academic and practitioner with interdisciplinary expertise in design, architecture and urban planning. Her work focuses on gender-sensitive design, participatory urban processes, and sustainable development. She is an alumna of Jamia Millia Islamia and NIT Hamirpur, institutions that shaped her foundational and research-oriented approach.

As Editor-in-Chief of Sthala, she brings a people-centric and research-driven perspective to architectural education and practice, fostering inclusive and sustainable discourses in the built environment.



## Editorial Board Members

**Prof. Praveen Dongare**, M.Arch (HD), B.Arch.

**Associate Professor, SJB School of Architecture and Planning**

Prof. Praveen Dongare is Practicing architect and an academician with experience in the field of architecture for above 10 years. His interest in innovation in architectural design is excentric that also reflects in the designing of studio frameworks in academics. He is part of board of examination contribution to academic excellence.



**Prof. Vishwa Udachan**, M. Plan (TCP), M.Arch (UD), B.Arch

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Prof. Vishwa blends academic and professional experience, with expertise in architecture, urban form, heritage studies, and public spaces. His work spans research, studio leadership, and collaborations with local authorities, bridging theory and practice in contemporary urban India.



**Prof. Chandan.R,** B.E(Civil), M.Tech(Geo-Tech),(PhD-MIT)

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Er. Chandan is also a practicing engineer who is passionate about timber structures foundation engineering and alternate materials, combining academic expertise with practical experience in innovative structural design.



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Dr Anil is particularly passionate about designing spatial configurations: consent to socio-spatial ecology and user-spatial interfaces. This has motivated him to 'create an architectural ideation' through the user's "sense, environment & behaviour". He contributes to developing concepts for real-time spatial operations in both Architecture and Cities by crafting algorithms of AI & ML.



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Community and architecture, Disability at the interface of architectural design and design theories, Disability and disaster, Child-friendly architecture, Age-friendly architecture, Architecture, public health and healthcare, Work Space and User Experience, Participatory and/or Action Research, Qualitative methods

