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INDIAN ARCHITECTURE'S TRANSFORMATIVE JOURNEY



Ar. Jaskaran Singh | Fab Studio



The architectural profession in India is undergoing a profound evolution, driven by the surge in global trends and technological advancements while tailoring its approach to meet the evolving needs of an increasingly modern society. The heightened visibility of global trends within the design community has proven immensely beneficial, enabling designers to access a wealth of visual resources that align with their creative visions. This influx of visual inspiration has transformed architecture into a more visually oriented medium, empowering designers to articulate their ideas more effectively.

The advent of technology has bridged the gap by providing designers access to many tools and software that facilitate the visualisation process. Even when technology may not be readily available, platforms like Midjourney and Dalle offer imaginative software solutions that enable designers to approximate their vision. This symbiotic relationship between technology and design has revolutionised the industry, allowing professionals to identify and leverage emerging trends more precisely. This newfound ability to determine the most relevant design trends has facilitated more productive collaborations between architects and clients, particularly in residential and hospitality projects.

A convergence of new opportunities, adaptability, and innovations is propelling architecture. As societal expectations skyrocket, architects face fresh challenges, providing fertile ground for pioneering solutions. In our country, promising advancements like the BIM software and computational design are on the horizon - BIM, because it promises enhanced fault detection and improved design quality.

Meanwhile, computational design predicts a transformative shift, enabling the mass production of creative designs through logical frameworks. This creation holds the potential to significantly reduce the labour-intensive aspects of design, marking a paradigm shift in architectural production.

Innovative design inspires new materials and technologies, improving project quality, speed, and sustainability. With the help of visual tools, communication among architects, engineers, and material experts has become seamless, fostering a new era of partnership that enables the sharing of information and ideas across global networks.

As designers use technology to develop bold ideas, engineers and material experts work together to bring these visions to life efficiently and sustainably. This collaborative approach speeds up the construction process and improves the quality and sustainability of the built environment - ultimately ushering in a more dynamic and innovative era for the industry.

As a designer, I predict a shift towards highly personalised designs – a shift underpinned by remarkable technological advancements, enabling us to create spaces that meet individual preferences and address pressing environmental concerns. Compact and efficient designs are crucial as cities grow and land becomes scarce. Moreover, our designs must exhibit flexibility and resilience to confront challenges such as pandemics while fostering inclusive, walkable neighbourhoods to enhance urban life quality.

As architects, we wield the power to shape evolving urban landscapes, integrating functionality, aesthetics, and social responsibility to craft environments that resonate with inhabitants—embracing ongoing innovation and developing personalised solutions that remain adaptable to tomorrow's ever-changing needs and challenges.