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Exclusive Content: Architects Discuss AI In Design

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INTERVIEW WITH

Jaskaran Singh, Principal Architect, Fab Studio

Q: What kind of opportunities and threats does Artificial Intelligence present to architects and engineers?

A: The advent of artificial intelligence has stirred the architectural and engineering landscape to a transformative era that surpasses traditional practices and permeates diverse industries. Historically burdened, architects now find themselves at the precipice of a paradigm shift, where AI catalyses groundbreaking possibilities in design through the echo chamber of prompts.

AI offers architects and engineers many innovative tools to streamline and

elevate their practices. The capacity to automate mundane tasks, optimise design processes, and simulate complex scenarios affords a newfound efficiency, saving creative energies for more profound conceptualisation. Imperative to the practice, striking a balance between harnessing the immense potential of AI and adding human intelligence is critical for architects and engineers as they navigate this dynamic intersection of technology and creativity. It is crucial to underscore that AI is neither an alternative nor a threat but rather a harmonious coalescence

with human ingenuity, promising a plethora of possibilities.

Q: In Asia, are architects embracing Artificial Intelligence to complement their work? If yes, kindly elaborate and give us a few examples of building projects which have been designed with the help of AI.

A: Yes, as the role of architects undergoes a profound evolution, a distinctive opportunity unfolds for these professionals to ascend to new heights of creative influence. This transformative shift imposes architects



Fab Studio employs AI to generate iterations for its high residential projects. Photo credit: Fab Studio

"It is crucial to underscore that AI is neither an alternative nor a threat but rather a harmonious coalescence with human ingenuity, promising a plethora of possibilities."

– Jaskaran Singh

to make reasonable and informed decisions that resonate with the demands of the evolving scenario.

At Fab Studio, we have seized upon this opportunity by employing Artificial Intelligence (AI) to generate iterations for our high residential projects, engaging in exploring materials and styles ranging from the modern to the contemporary. Seamlessly integrated into our design process, AI serves as a muse for facade treatment, providing inspiration. This deliberate collaboration with AI complements and amplifies our creative endeavours. It reflects a tangible expression of partnership with AI wherein human creativity and technology stand out.

Q: In the future, is there a probability that Artificial Intelligence will replace architects and engineers? Kindly explain your thoughts.

A: The built environment will not witness the decline of architects, as the amalgamation of Artificial Intelligence (AI) into the design process signifies a transformative wave. Driven by an insistent demand for delivering superior quality work within compressed timelines, adaptation emerges in navigating this change. AI is positioned as a tool to surpass conventional methodologies and propels architecture to evolve rapidly.

Although AI stimulates certain facets of the architectural profession, it embraces human capability. The essence of architecture and engineering lies not merely in the mechanisation of tasks but in the fusion of creativity, contextual understanding, and empathetic problem-solving. As architects, we must leverage software strategically and not forsake its intrinsic value rooted in emotional intelligence,



Jaskaran Singh. Photo credit: Fab Studio

creativity, and the social dynamics integral to every project. Architects will always add soul to the fabric of spatial solutions.



Fab Studio employs AI to generate iterations for its high residential projects. Photo credit: Fab Studio