Architectural Practice in the Digital Age: Balancing Adoption and Adaptation

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The digital age presents both challenges and opportunities for the architectural profession. Architects must navigate the integration of new technologies, such as artificial intelligence (AI) and digital design tools while adapting to the evolving scope of their practice. This paper investigates the balance between adoption and adaptation in architectural practice, exploring strategies for architects to effectively engage with the digital landscape while maintaining the integrity of their profession. The outcomes of fully embracing new technologies and methodologies are contrasted with the approach of modifying existing practices to accommodate digital advancements, considering the implications for the architectural profession.

In addressing these issues, architectural education and research play crucial roles in preparing architects for the digital age by examining the relationship between design-based research, academic inquiry, and professional practice. This study investigates the advantages and challenges of AI integration in design, decision-making, and resource allocation, as well as its influence on traditional professional boundaries and skillsets.

Drawing from an analysis of the current scope of architectural services, this study aims to provide architects (practicing and teaching) with a comprehensive understanding of the opportunities and challenges that the digital age presents, enabling them to make well-informed decisions about the future of their practice.

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Abstract
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