

## Exploration of Correlation between Design Principles and Elements with the Visual Aesthetic in Residential Interiors

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**Abstract :** Composition is essential when designing the interiors of residential spaces. The ability to adopt a unique style of using design principles and design elements is another. This research report explores how the visual aesthetic within a space is achieved through the use of design principles and design elements while maintaining a signature style. It also observes the relationship between design styles and compositions that are achieved as a result of the implementation of the principles. Information collected from books and the internet helped to understand how a composition can be achieved in residential interiors by resorting to design principles and design elements as tools for achieving an aesthetic composition. It also helped determine the results of authentic representation of design ideas and how they make one's work exceptional. A questionnaire survey was also conducted to understand the impact of a visually aesthetic residential interior of a signature style on the lifestyle of individuals residing in them. The findings denote a pattern in the application of design principles and design elements. Individual principles and elements or a combination of the same are used to achieve an aesthetically pleasing composition. This was supported by creating CAD illustrations of two different residential projects with varying approaches and design styles. These illustrations include mood boards, 3D models, and sectional elevations as rendered views to understand the concept design and its translation via these mediums. A direct relation is observed between the application of design principles and design elements to achieve visually aesthetic residential interiors that suit an individual's taste. These practices can be applied when designing bespoke commercial as well as industrial interiors that are suited to specific aesthetic and functional needs.

**Keywords :** composition, design principles, elements, interiors, residential spaces

**Conference Title :** ICIAED 2023 : International Conference on Interior Architecture and Environmental Design

**Conference Location :** Lagos, Nigeria

**Conference Dates :** August 03-04, 2023