



Alexandria University

Faculty Of Fine Arts

Department Of Décor

Subject of Thesis

**“The Neuro Design Methodology and It’s impact on the Interior
Design of the Office spaces and their users.”**

for the degree of
Master in
Interior Architecture
Presented By

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2024

chapter One: Foundations and Principles of Neuroarchitecture This chapter explores the foundational principles of neuroarchitecture, a field that combines engineering and neuroscience to enhance work environments by understanding how different designs impact the brain and performance. It emphasizes the importance of individuals' perception of administrative spaces and how this influences their productivity and psychological well-being .

Chapter Two: Applications of Neuroarchitecture in Administrative Design This chapter discusses the application of neuroarchitectural principles in designing administrative spaces to enhance functional performance and reduce stress. It focuses on techniques like Electroencephalography (EEG) and Functional Magnetic Resonance Imaging (fMRI) to evaluate how different designs affect the brain, using this information to improve work environments .

Chapter Three: Implementation Techniques of Neuroarchitecture in Administrative Spaces This chapter focuses on the technologies used to implement neuroarchitectural principles in administrative spaces, such as advanced software for analyzing the interaction between neurological environments and users, and virtual reality applications to simulate environments before implementation. It also discusses the importance of flexible design and acoustics in improving the quality of work environments .

Chapter Four: Analysis of Neuroarchitectural Applications in Interior Architecture This chapter analyzes examples of neuroarchitectural applications in interior design, such as creating environments that enhance focus and

productivity by studying the effects of colors, lighting, and noise. It also covers the design of educational and healthcare environments to improve user experiences by enhancing psychological and physical comfort .