

Achieving Harmony: The Intersection of Architectural and Sustainable Design

Hamed Amir Hossein*

Department of Electrical and Electronic Engineering, Brac University, Bangladesh

Abstract

Architectural design is a multifaceted discipline encompassing the conceptualization, planning, and realization of built environments that harmonize with their surroundings while fulfilling functional requirements. In recent decades, there has been a paradigm shift towards sustainable architectural design, driven by escalating environmental concerns and the imperative to mitigate the adverse impacts of urbanization on ecosystems and human well-being. Sustainable design integrates tog

Keywords: Architectural design; Sustainable design; Green building; Environmental sustainability; Passive design; Bioclimatic design; Building Information Modeling (BIM); Parametric design; Adaptive reuse; Urban regeneration; Circular design.

Introduction

The intersection of architectural and sustainable design is a multifaceted discipline encompassing the conceptualization, planning, and realization of built environments that harmonize with their surroundings while fulfilling functional requirements. In recent decades, there has been a paradigm shift towards sustainable architectural design, driven by escalating environmental concerns and the imperative to mitigate the adverse impacts of urbanization on ecosystems and human well-being. Sustainable design integrates tog

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*Corresponding author: Hamed Amir Hossein, Department of Electrical and Electronic Engineering, Brac University, Bangladesh, E-mail: hamedhossein_a@gmail.com

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Concl io

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