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Design the Parameters of Sustainable Green Building

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Abstract: In recent years, sustainability concept has becomes the most common interest of numerous disciplines. Green Building is one of good measures been put forwards to mitigate significant impacts on the environment, society and economy .This paper reports review of the sustainable building materials for green building construction , conservation and refurbishing, the architectural research for sustainable green design and a concept of sustainability.
It is found that the existing studies played predominantly focus on the environmental aspect of the sustainable green building. The parameters of the green building are essential to design, operate and maintain building energy and utilization of new materials.
Keywords: Sustainability, Green building, eco-friendly architecture, Sustainable materials.

I. INTRODUCTION

Sustainable green building has become important concept due to increasing the pollution through the constructions and the materials which are used in the construction.
The main objective of this study to design the parameters of the sustainable green building for creates the healthy buildings which are creates healthy buildings as well as natural environment. Green materials the good alternative to meet the environment pollution free. So, Green materials and architecture strives to minimize the number of resources used in the building as well as use, operation, pollution also the waste of its components. The energy efficiency and the engineering of environmental design dealt with the architecture.

II. LITERATURE REVIEW

A. Title

Sustainability Building material for Green Building Construction, Conservation and Refurbishing.

1) *Author:* Usman Amino Umar, M. K. Khamidi
2) *Abstract:* In this research they studied the sustainable building materials for green building. In order to discover alternative sustainable building materials may be fastest way for the builders to star integrating sustainable design concepts. They studied on the development of green building, building materials problem, material selection, life cycles of sustainable green building materials .The purpose of this article is to highlight how sustainable building materials can contribute a lessen impact on environmental degradation.

B. Title

Architectural Research for Sustainable Environmental Design

1) *Author:* Simon Yannas
2) *Abstract:* Simon Yannas have done the architectural research for a sustainable design. In this article apart from energy efficiency and the engineering of environmental design, they dealt directly with architectural students in the course of their studies. This article provides alternatives to the universal architecture. From this paper we studied about the lifestyle trends, technical development and climate change. Simulation of the software is introduced early on, so that students can use it on projects as soon as they have a reasonable grasp of the principles.

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C. *Title*

Green Architecture: A Concept of Sustainability

1) Amany Ragheb, Hisham Ragheb, Ghada Ragheb

2) Abstract: They published the research paper on 'Green Architecture: A concept of Sustainability' in which they studied the materials should be ecofriendly for construction of sustainable green building. For achieving the good environment condition. The number of resources consumed in building construction should be minimize for avoiding pollution and waste of its component. Also they mention the benefits of green building comfort, economy and aesthetic as well as environmentally responsible.

III. PROPOSED WORK

A. Advantages of Green Building

1) Cost

2) Efficiency

3) Preserving infrastructure

B. Disadvantages of Green Building

1) Location

2) Availability of Materials

3) No air cooling features

IV. CONCLUSION

This study reported a review on sustainable building should be consist of use of maximum green materials for maintain the environmental balance as well as using the principles of the eco-friendly Architecture for minimizing the increasing pollution rate.

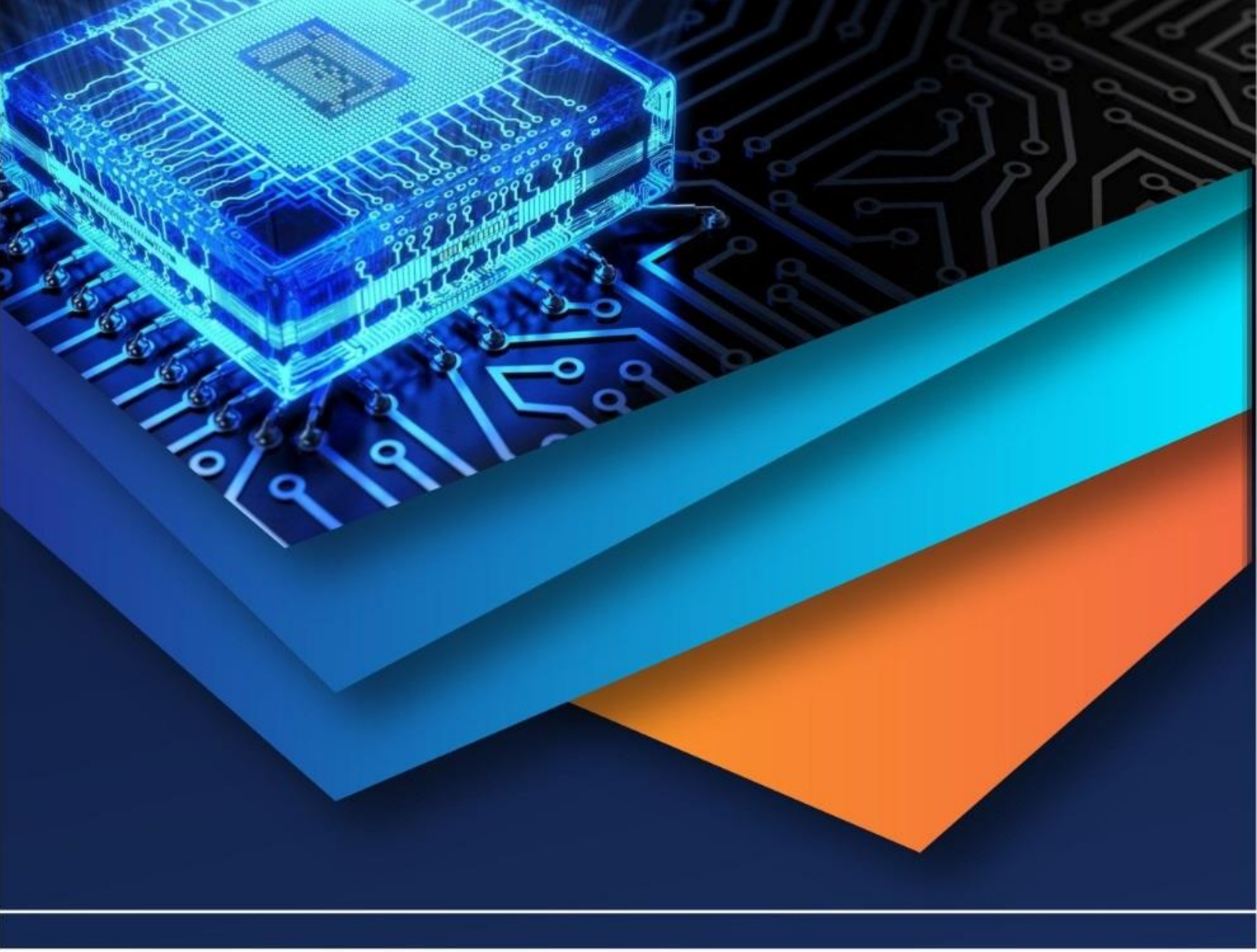
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