

Modern Architecture's Use of Vastu Shastra: Investigating the Intersection of Tradition and Sustainable in Vastu Building

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Abstract: *Harmony and balance are highly valued in the ancient Indian architectural and design system known as Vastu Shastra. both the natural and man-made environments. Traditional Indian architecture has traditionally used principles from Vastu Shastra, but there is growing interest in applying these concepts to other architectural contemporary design. This essay will discuss the connection between modern architecture and Vastu Shastra sustainability, as well as the advantages and disadvantages of incorporating these ideas into current construction.*

Keywords: *Vastu Shastra.*

I. INTRODUCTION

As a science, Vaastu Shastra can be applied to any kind of building, regardless of its purpose, size, scale, or design. Vaastu concepts are relevant for designing places and spaces.[1] It is predicated on the idea that a community's prosperity, well-being, and health are directly impacted by its physical surroundings. Though traditional Indian architecture has long employed the concepts of Vastu Shastra, there has been a growing interest in bringing these ideas into contemporary design in recent years. Vastu Shastra's advantages for modern architecture There are a number of advantages to using Vastu Shastra concepts in contemporary building.

One of the main benefits is that focusing on natural elements like light, air, and water can lead to healthier and more energy-efficient buildings. Furthermore, in order to minimize the adverse effects of structures on the environment, Vastu Shastra promotes the use of sustainable building materials and methods. In addition, applying the principles of Vastu Shastra can enhance a building's overall design and operation, providing its residents with a more cozy and harmonious living environment.

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One of the main benefits is the emphasis on natural elements such as light, air, and water, which can lead to healthier and more energy-efficient buildings. Vastu Shastra also promotes using sustainable materials and construction methods, which can help reduce the environmental impact of buildings. Additionally, the principles of Vastu Shastra can enhance the overall aesthetic and functionality of a building, creating a more harmonious and pleasing environment for the inhabitants.

II. BACKGROUND

The concepts of Hindu cosmology and the idea that a constructed environment may impact the well-being of its occupants serve as the foundation of the ancient Indian architectural system known as Vastu. It is thought that the system has dated back to around 3,000 BCE, and it's still in use today in India. To create a harmonious and balanced atmosphere, contemporary architecture frequently incorporates Vastu principles into the design of buildings and residences. This can involve the arrangement of doors and windows, the locations of rooms, and the building's alignment with the cardinal directions, among other factors. A fundamental tenet of Vastu is that the various sections of a structure have to be oriented in accordance with the relevant components and cardinal directions. For instance, the main entrance of a structure is said to be most fortunate when facing the north, which is connected to the element of water. The east is said to be the ideal direction for living areas and bedrooms as it is connected to the element of air. As the element of fire, the south is seen to be the ideal orientation for kitchens and dining rooms, whereas the element of earth is related with the west, which is thought to be the finest orientation for bathrooms and storage spaces. Vastu stresses the value of natural light, open spaces, and the use of natural materials in building construction in addition to these directional alignments.

The goal of incorporating Vastu principles into contemporary design is to provide a feeling of harmony and balance within the constructed environment, which can enhance the occupants' physical, emotional, and spiritual well-being. It is crucial to remember that Vastu is not a scientific theory that is recognized by everyone, and many architects and builders do not take Vastu into consideration while constructing structures. Furthermore, a lot of contemporary builders and architects utilize Vastu as a guide when designing structures, but they also use their knowledge of design principles.

III. LITERATURE REVIEW

The terrain and surroundings are used by the ancient science known as Vaastu Shastra to enhance human well-being. It provides advice on how to design and construct both indoor and outdoor spaces to fully utilize the natural elements while averting unfavorable outcomes. Vaastu's importance has, however, diminished due to rising costs and spatial limitations in modern metropolitan areas. Nevertheless, Vaastu's principles may be viewed as an example of how building shapes can adjust to their environment and share characteristics with regions of similar temperature. Vaastu shares certain ideas with contemporary theorists of technology. The principles of nature serve as the foundation for Vaastu Shastra science. For the benefit of humans, it integrates geography with several facets of nature[1].

According to Vastu Shastra, a house's "design, location, direction, and disposition of the Interior and Exterior spaces" should be planned to maximize the benefits of the natural surroundings while shielding the occupants from any negative impacts[2].

Vaastu Shastra has become increasingly relevant for modern people due to the encompassing situation, which has gained relevance due to pollution, climate change, and densely populated areas metropolitan.[3] These days, people choose affordable, conveniently located flats and homes, making the Vaastu notion obsolete. The cost of buying a house and land is also quite high; even little homes may have very high rates, making it challenging to maintain a certain size of home. Restoring vastu's irreverence with accuracy.[4]

Because it is widely held that the environment has created the architectural forms in response to its orders, which resemble one another in areas with comparable climatic conditions, the laws and precepts of Vastu Shastra can be found and used not just as superstitious symbolic guidelines but also as an appropriate example of how to use the architectural forms in relation to the environment.[5] It is evident that many of the tenets and ideas found in Vaastu-Shastra align with those of some well-known modern technology thinkers[6].

IV. MODELING AND ANALYSIS

Advantages of applying Vastu Shastra concepts to contemporary construction If you're considering designing your house or place of business using the age-old ideas of Vastu Shastra, you might be asking if doing so has any advantages.

The use of Vastu Shastra concepts to contemporary building offers several advantages. A few of these are: - A rise in positive energy - The flow of positive energy and the avoidance of negative energy are the cornerstones of Vastu Shastra. By using these ideas to your design, you'll produce an environment that promotes joy and optimism.

- Better moods: You are more prone to experience anxiety and mood changes when you are surrounded by negative energy. A room created with the help of Vastu Shastra's design principles would exude a pleasant aura that will lift your spirits and uplift others around you. Better health - You'll feel better when you're in an environment that exudes good energy. When you are in an environment with positive energy, you are more likely to feel less stressed and have a stronger immune system. Improved sleep: A room with a nice vibe is more likely to encourage improved sleep. This may be beneficial for those who experience insomnia or difficulty falling asleep.

Basic concepts of Vastu Shastra: There are five basic concepts that form the basis of Vastu Shastra. These are the cornerstones of conventional science and must be taken into account while designing a space in line with Vastu Shastra. Some Vastu Shastra principles to consider while designing a space are as follows: Harmony: Balance is the central and most important Vastu Shastra idea. Your living space should blend in seamlessly with the built environment as well as the surrounding natural landscape.

Vastu Shastra-based design: When creating a place in accordance with Vastu Shastra, you should ensure that it is balanced with the surrounding environment. Additionally, you want to confirm that the positive energy emanating from each direction is aligned with each side of the room. As facing north generates negative energy, make sure the entryway is not facing that direction. Additionally, confirm that the area is not up against a wall. In a space, these two components generate negative energy. You may build your area in a way that is harmonious with the surrounding environment and the flow of good energy by keeping these factors in mind.

Using Vastu Shastra's precepts in contemporary building Ensure that the environment is taken into consideration while applying the principles of Vastu Shastra to contemporary building. These ideas shouldn't be applied in an area that doesn't complement the surroundings. For instance, you shouldn't have a room on the north side of your house with a wall that faces east.

Additionally, you should avoid having a room on the southern side of your house with a wall facing north.

Some pointers for applying Vastu Shastra to contemporary architecture: You should ensure that good energy is included from all directions while creating a room that follows the guidelines of Vastu Shastra. This is necessary in order to create a place that is harmonious with the natural world and the flow of good energy. Make sure to pay attention to where windows, doors, and furniture are placed while applying the principles of Vastu Shastra to your design. None of these things should be placed in a corner. Negative energy is produced in an area by corners. Additionally, you want to confirm that you are not in any way obstructing the flow of positive energy.

The difficulties of applying Vastu Shastra to contemporary building There are certain difficulties you could run across while trying to apply the concepts of Vastu Shastra to contemporary building. The first difficulty is that not all of the Vastu Shastra's precepts will apply to the setting in which you are creating. For instance, you could reside in a region that frequently experiences hurricanes or other natural calamities. In this situation, making holes in your house for the elements to enter is not safe. The second difficulty is that designing your room will require expert assistance.

This is a result of the frequently elaborate and complex concepts found in Vastu Shastra. Gaining an understanding of the ideas and their relevance to contemporary design might be challenging for those without prior knowledge of ancient science. Furthermore, it might be challenging to change the arrangement of parts when applying Vastu Shastra principles to an already-completed design. On the other hand, if you are completing a new construction, you may include Vastu Shastra's design principles into the room from the beginning.

V. CONCLUSION

There are advantages and disadvantages to the fusion of modern architecture with Vastu Shastra. Although using natural materials and aspects derived from Vastu Shastra in modern construction can have many advantages, including conformity with current building standards and design trends, it also necessitates careful study. Further research is needed to determine the potential benefits and challenges of integrating Vastu Shastra sustainability concepts into modern design, as well as to provide practical implementation guidance.

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