



Integrated Critical methodology for Environmental Design as a Source for Added Innovation Value in Interior Space

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ABSTRACT

Critical discourse is often resulted from designing action in pursue to be aware of both strengths and weaknesses together through analysis, interpretation and judgment as it is considered as tool for evaluating, building and enriching designing action of interior spaces or after its completion, usage and environmental designing. It is one of the most important trends of designing with the beginning of the third millennium due to the actively global orientation in order to integrate with environmental regulations. This has led to the emergence of several environmental designs including the terms such as green and sustainable as well as several environmental criteria binding to the interior designs.

Many countries have competed in the adoption of it proper environmental criteria and with this all momentum, it was necessary to search for critical methodology for evaluating such momentum in accordance with integrated critical methodology involving criteria environmental norms in addition to innovative aesthetic values.

Keywords: *Integrated critical methodology, environmental design, added innovation value*

In addition, interior space.

INTRODUCTION

Interior design as discipline not separated from the aspirations and interactions of the people is seeking to meet their functional needs and at the same time provides an aesthetic creativity with visual and formative value as it is a mirror for the people lifestyle reflecting values, visions and principles. From interior design value, we can trace the value of criticism as its one of the most important topic in the modern concept of the interior design due to its significant impact on the actual practice and the educational framework in the field of interior design. Criticism as influential and effective activity in creativity movement as it has an impact on the formulation of the prevailing and governing concepts for any society. Therefore , the approaches of the architectural criticism and its interior space are varied · the environmental design of the interior space is one of the concepts emerged and prevailed strongly in the last two decades of the twentieth century and the accompanying concepts are numerous under many names which all aim at improving the environment of the interior and exterior space.

Due to the variety of the concepts and ideas, it was necessary to evaluate the outcomes of such ideas, through certain norms as the so-called environment evaluation system.

Environment evaluation system was emerged and all the countries rallied to adopt norms related to its environment and maybe one of the most important of such norms is the leadership system of environment design and energy in USA (LEED) upon which the rest of international evaluation systems depend.

However, this system relies greatly upon the standard evaluation and lacks the innovation and creativity.

therefore the so-called *criticism of criticism* and analysis of this system was necessary and also it was essential to ensure whether it is a critical methodology or not and bring it together with the recognizable criticism methodology in the field of architecture and interior design and access to comprehensive and integrated critical methodology.



The research problem has several questions including: -

- What are proper critical methodologies for criticizing environmental design of interior spaces?
- Can we consider the norms of international leadership systems for energy and environmental design as critical methodology? Are they sufficient?
- Can we obtain integrated critical methodology for environmental design in the interior spaces that enables us to discover new innovative values?

The research assumes:

- That the Leadership in Energy and Environmental Design (V4) (LEED) in its current form does not fit as an integrated critical methodology for critique and evaluation Environmental Design in the interior spaces.
- Combination of critical methods which known in the field of architecture and interior design and system leadership in environmental design and energy can access the integrated critical methodology for critique and evaluation environmental design in the interior spaces.

This research aims at:

- Ensuring the validity of the international leadership system norms for energy and environmental design for interior spaces as integrated critical methodology.
- Obtaining integrated critical methodology that grants the environmental design for interior spaces new innovative values.

Research Methodology:

The research deals, through Analytical method, with analyzing and interpreting the methodologies of interior design criticism and choosing the most proper methodology from which for environmental design in interior spaces along with the analysis of environmental standards of LEED systems, environmental design of interior spaces and deductive approach for developing integrated critical methodology combining normative, interpretive and descriptive.

The research importance: is apparent in the pursuit to identify appropriate critical Methodologies for environmental design in the interior spaces, Taking advantage of environmental norms of international leadership systems for energy and environmental design in the interior spaces up to integrated critical methodology working on the intellectual enrichment of designer and producer (environmental designs in the interior spaces) revealing new innovative values at the level of thought and raw material and technology. Furthermore, **this research dealt with** the analysis and interpretation of critical methodologies for interior design and choosing the most appropriate for environmental design in the interior spaces with analyzing environmental norms of international leadership for energy and environmental design in the interior spaces and deducting integrated critical methodology combining normative, descriptive and explanatory.

Results:

- 1- Approaches of architectural criticism and its interior spaces are various and which enable the critic to move between these approaches.
by linking, mixing and integrating between them and benefiting from its differentiation making his critical opinion is characterized by comprehensiveness, integration and combining between normative, emotional, subjective and objective in the criticism of interior space designs prior to implementation and after the operation.
- 2- LEED is a system which includes some criticism methodologies and lacks other methodologies as follows:



- Contains in its entirety the methodology of standard, systematic and qualitative criticism and the methodology of descriptive graphic criticism.
 - Does not adopt interpretive, defensive, emotional and contextual criticism and doctrinal standard criticism.
 - Namely it is a (110 points) standard, systematic, qualitative system depending slightly (10 points) upon innovation and communication with the society culture.
 - The reduction of emotional and psychological aspects and communication with the social culture into the creativity and regional priority standards, which bear the aesthetic values and formative aspects.
 - Therefore, the building can obtain the platinum certification (80 points or more) with no need to creativity and regional priority standards (i.e. with no need to any aesthetic values and formative aspects).
 - In all points, the architecture integrates with the urban planning and with interior design excluding the standard of internal environment quality (16 points)
- 3- LEED system in its current form does not fit as a critical, integrated and comprehensive methodology for criticizing and evaluating environmental design in the interior space.
- 4- The position of integrated criticism methodology for environmental design in the interior space with its proposed perspective includes:
- Study environmental design of interior spaces in more specialized manner for the environment where he lives and spends more than half of his day hours.
 - A thorough and specialized study to the internal environment quality by increasing its points to (28) points instead of (16) points.
 - A thorough study to the raw materials of interior design and its sources by increasing its points to (15) points instead of (13) points.
 - Emphasis on innovation and creativity by increasing the points to (14) points instead of (6) points.
 - Emphasis on the importance of local character by increasing the number of points (4) points to 11 points.
- 5- Develop standard of criticism and aesthetic analysis (8 points) to emphasize on the aesthetic values of the forms of interior spaces, raise the skill level, review problems, offer solutions, communicate and transfer of expertise between the pioneers of interior design and new generations.

Discuss the results

- 1- Follow comprehensiveness and integration between methodologies of criticism gives the critic the credibility with enriching the criticism process, its role and the creativity process in the field of interior design.
 - 2- LEED (V4) in its current position focuses at 90% on the normative aspects and also at 10% on innovation and creativity which lead to:
 - The lack of creative spirit in shaping the internal space and moving towards mechanism.
 - The building may obtain most certifications including platinum but not having creativity points or regional priority.
- 1- The position of integrated criticism methodology of the environmental design in the interior space with its proposed perspective aims at:
- Making the study of different environmental standards distinguished by accuracy.
 - Linking between the recognized criticism methodologies in the field of architecture, interior design and LEED.



- Raising the creative and innovative level for the works of environmental design in the interior spaces at the level of actual practice and academic study.

Conclusion

The Leadership in Energy and Environmental Design (V4) (LEED) as it now stands is a testament to the passage to the projects in order to achieve the easy minimum environmental standards and neglecting the innovation and creativity side.

The fact that the environmental standards points are common denominator between urban design, architectural design and internal design make it loses lots of credibility and precision.

Keep away the points of environmental standards for internal vacuum make them more accurate, credible and specialized.

- Emphasis on the aesthetic values represented in the increase of the points of creativity, innovation, criticism and analysis; all that gave a state of integration and comprehensiveness for the perception of critical methodology of the environmental design in the internal space largely.

Recommendations

- carrying out further studies on leadership in the energy systems to get into the forms which ensure a complementary and comprehensive criticism, and to improve the environmental design in the internal space before and after operation for both of practical application and academic study.

- Emphasis on the separation of environmental standards of interior design and increasing number of its points, and the creating more points for criticism and analysis and make enjoy more diversified and specialized through multiple disciplines such as housing, hospitals, schools and others.

- Providing further studies under the framework of a perception for an integrated critical methodology for the environmental design in the internal space, and it can be in turn as a nucleus utilized in the development of the green building rating for the Arab Republic of Egypt So-called Green pyramid (The Green Pyramid Rating System).

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