

The Sustainable interior design for design halls in art faculties to face climate change in the twenty-first century

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Abstract

The twentieth century is considered one of the most important centuries that witnessed a development in the field of discoveries and inventions in human history and the transition of science from the industrial age to the information age,

In addition to the tremendous digital technological development witnessed in the first and second decades of the twenty-first century.

Here, the importance of sustainable interior design for design halls in art faculties appears because of its fundamental impact on the integration and harmony of design with the surrounding environment to face the effects of climate change by focusing on achieving environmental, economic and social standards using plant elements, and designs that support a range of functions through Reconfiguration , and computer programs to face climate fluctuations and reduce the consumption of non-renewable energy.

Therefore, the existing art faculties need to develop their capabilities to keep pace with the new educational systems with continuous development at the design and technical levels, to take advantage of the successive developments in information technology, and to prepare a graduate who meets the requirements of local and international work to support future job opportunities for him.

To reach this aim, the research addresses the following points:

1. The impact of sustainable design standards on the development of design halls in art faculties.
2. Presenting a future vision for the development of design halls to achieve sustainable design.

The research ends with a set of important results and recommendations in the field of interior design, and sustainability.

Keywords

The Sustainability ,The sustainable development ,the climate change ,The sustainable interior design ,The design halls.

Introduction:

Ideas lead societies in general and academic institutions in particular, and the group of ideas in research universities covers a larger and more contemplative front. .

Therefore, the field of interior design is very ancient (archaeological evidence in the ancient Egyptian civilization indicates the existence of an interior design for ancient facilities on the basis of which these facilities were designed) as a general, comprehensive and integrated framework for the various aspects of the building. The concept of sustainability has existed since ancient times, and therefore our ancestors did not use the term sustainability as an expression On their way of living and how to provide sources of livelihood and the method in which they build, rather they lived the concept and applied it spontaneously and automatically, so sustainability is a comprehensive and integrated term.

In the twenty-first century, interior design is concerned with the sustainability of design, to meet the challenges facing the world, such as climate changes resulting from poor human activity, and the resulting negative changes (whether in annual temperatures, rainfall rates, or seasonal changes, which led to the emergence of problems environment that directly affects the sustainability of life on the globe and threatens the lives of humans and future generations in the future).

Sustainable interior design is achieved by saving energy with the help of appropriate digital and technological systems, preserving natural resources, reducing environmental impact, reducing maintenance costs, designing pleasant and comfortable interior spaces that improve the health of users, and achieving integrated quality.

The research problem:

Lack of design halls for art colleges during the second and third decade of the 21st century to take advantage of specialized and digital technology to achieve sustainable interior design to confront climate change.

The research objective:

The research aims to:

Presenting a future vision for the sustainable interior design of the design halls in the faculties of art, according to specialized and digital technology appropriate to confront climate change in the 21st century.

The importance of research:

The need for design halls in colleges of art to apply the proposed methodology for sustainable interior design with the help of specialized and digital technology appropriate to confront climate change and achieve sustainability.

The research hypotheses:

The close link between relying on specialized and appropriate digital technology in developing design halls in colleges of art works to confront climate change and achieve sustainable interior design.

Research limits The:

Temporal limits: during the second and third decade of the twenty-first century.

Spatial boundaries: Analysis of models for art halls, especially interior design.

Research Procedural Steps

First: definition of research concepts "sustainability, the concept of sustainability, the concept of development, sustainable development" - second: climate change and its impact on the environment - third: criteria for sustainable interior design - minimizing the environmental impact of climate change on sustainable design - benefiting from modern technologies using computers in Sustainable design - Dimensions of sustainable design (the economic dimension - the environmental dimension - and the social dimension) in order to reach the goal of research in energy conservation - taking into account the educational approach to learning in the 21st century - and improving the quality of the internal environment to achieve sustainable interior design for design halls in colleges of art to face climate change.

Search Results:

1. Integration between the physical and digital design of the design halls in the faculties of art, and the use of specialized technology and appropriate digital technologies is a strategy to confront climate change.
2. Taking into account the economic dimension in the design cost of design halls in colleges of art (material cost in return for benefiting in the time period by designing halls effectively) reduces costs, in particular operating and maintenance costs (running costs), and achieves the quality and sustainability of the educational process.
3. Developing design hall spaces in colleges of art depends on optimal utilization of renewable energy resources such as the sun and wind and taking into account climate studies, as well as flexibility in design so that the design is appropriate in the future by reallocating the space and reshaping it.
4. The computer affects the design of design halls in colleges of art in terms of addressing the internal spaces and adding units for computers and educational devices, and through the computer the design halls can be virtual if necessary (in the case of severe climatic changes), as the computer does not produce a better interior design But it's an assistant that changes the way you make a student a better designer.
5. The way we design design halls in colleges of art affects teaching practices, learning activities, effectiveness, student interaction, and required learning outcomes, in addition to coping with climate changes, which makes the physical space of design halls conducive to learning and sustainability.

Research Recommendations:

Spreading environmental awareness through researchers and academics in art faculties to transform climate challenges in the twenty-first century into future opportunities for the next generation through sustainable interior design for design halls in art faculties by integrating the use of specialized technology and digital technologies as strategies to reduce energy consumption and adapt With the environment and taking into account the educational approach to learning in the 21st century to achieve the ideal goal of sustainability.

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