

العلاقه التكاملية بين معايير التصميم الداخلى والتقنيات
الحديثه فى تصميم المفروشات بالنزل الفندقية

Complementary relationship between interior
design standards and modern technologies of the
furnishing design in the residence hotels

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مقدمه من الدارسه

امينه عبدالجواد عبدالباقي امام

المعيده بقسم التصميم الداخلى والاثاث

كلية الفنون والتصميم - جامعه فاروس بالاسكندريه

موجهى البحث

ا.د سعيد حسن عبدالرحمن

استاذ التصميم الادارى

بقسم التصميم الداخلى والاثاث

كلية الفنون التطبيقية - جامعه حلوان

ا.د مصطفى احمد

استاذ التصميم الداخلى

بقسم التصميم الداخلى والاثاث

ورئيس قسم التصميم الداخلى والاثاث سابقا

كلية الفنون التطبيقية - جامعه حلوان

ا.د ياسر محمد سهيل

استاذ تصميم المنسوجات

وعميد كلية الفنون التطبيقية جامعه بنها

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Summary:

Researcher deals with the study of the furnishings in hotels through three sections for theoretical study and one section for applied study, as follows:

Section I is discussing in studying hotels and the most important designing criteria for furnishings in them through two chapters; **chapter 1** is about studying hotels as one of the major points of the research. In this chapter the researcher summarize the theoretical background for hotels including studying the concept of (hotel), types of hotels which differ according to hotel location, height, function or design where each type needs design requirements different from the other types. The researcher also is studying the basic components of hotels to reach the basic component for hotel, which is also the major point of the research, the hotel room. The researcher identified the hotel room, its important characteristics and diameters, also the different types of hotel room either single room, double room or suite, and the furniture components of the room including beds, sitting area, working area, bags carrier area ... etc.

Then finally the study of the most important methods of assessing hotels according to size, type or tourist degree then introduce the evaluation method according to the characters of hotels regulations for 2007 and applying those regulations on the furniture models used at (Al Montazah Sheraton Hotel) as a field study for this research.

Then, chapter 2

is a theoretical background of furnishings; meaning of furnishings, difference between tissues, textiles, fibers and furnishings where each one has its own specific concept.

Then in that chapter, the researcher discusses classification of furnishings used in the interior space and

dividing them, according to the elements of the interior design, into floor furnishings, wall furnishings and tapestries. Then identified each type of those furnishings into subdivisions;

First the floor furnishings were subdivided into carpets and rugs , identified their characters, components, types and how to use each and every type.

Second the wall furnishings were subdivided into curtains and draperies and each type also has its own characters, advantages, a way to hang it and its own accessories.

Third the tapestries, their divisions, how to use them in the interior space, their most important specific characters and the most important materials used in them.

So, this chapter can be considered the basis for the standards of assessing the furnishings and also the standards of using the modern techniques in the analytical, historical and applied studies coming in next chapters.

Section II where the researcher introduces a descriptive study of furnishings and the most important techniques in them through two chapters:

Chapter 1 which is the base for evaluation of hotels interior design and furnishings as it discusses the most important basic standards for assessing the design whether the interior design or furniture design, as follows:

First in that chapter, it discusses the aesthetic standards and how to achieve them either through aesthetic, formative or expressive values then the researcher discusses the design elements in detail for furniture design and interior design as they are the basic elements for assessing the design. He started the study by the form and its effect on the design and put rating for furnishing fabrics according to the form standard, the important types of fabrics used in the interior design and how those types are

affected by the aesthetic standards of the design; next the researcher discusses the texture, its classifications and goals of texture design ; then discussed the color, its importance, criteria for color selection, fashion and its effect on selecting the furnishing fabrics and some color plans that used in furniture designs for the last year; after that discussed the raw fabric types and general classification; finally the lightening and how to use the dark and the luminous in furnishings designing.

Next in that chapter, the functional standards and how to achieve them in the interior space, discussing the most important functional standards of furnishings designing whether they are curtains, carpets or furnishing tapestry.

Then the economical standards in designing and how to achieve the economical aim of the design; also the human standards and their effect on furnishings designing.

Chapter 2 discusses the most modern techniques in the design and manufacture of furnishings and apply those techniques in interior design. The researcher first discusses the traditional techniques in printing and furnishings which include circular printing, Ink Jet_printing and thermal transmission printing, and studying both advantages and disadvantages for each type of them, then showing the most recent techniques of printing like digital printing through the definition, the most specific characters, the possibilities we can get by using it, also the importance of digital printing and its stages which include input, processing and output.

Then the researcher discusses the smart fabrics, how it works, then the most important types of smart fabrics capabilities and uses in interior design. Through this chapter, the researcher discusses also Nano technology, how it can be used in printing furnishings and fabrics, how to manufacture Nano yarns and the most important

elements to prepare and use the Nano technology in furnishing designing. After that, the researcher discusses the study of interactive materials in interior design and how to achieve them in furnishing designing such as Nano painting and smart carpet as examples for interactive techniques, and photochromatic and theochromatic materials as one of the most important interactive materials used in interior design.

Section III consists of 2 chapters as following:

chapter 1 discusses the historical study and it is considered the historical background for furnishing design for ages to achieve the demanded accuracy in integration between furniture design and internal design, when we design by inspiration from historical models.

As this chapter studies the most important historical stages of internal design with a detailed view of the integral relation between the internal design and furnishing design in all ages. The researcher begins with the ancient ages in Egypt like pharaohs era , Islamic era and Coptic era. Then , he moves to the middle ages, the French and European renaissance ages through it he discusses a group of designs that shows the integral relation between the internal design and furnishing design then , he reaches the internal design in modern age, as he discusses a group of modern schools and analyzes the relation between the internal design and furnishing in each school and deducing the integral relation in each age.

Chapter 2 discusses an analytical study as it shows a descriptive study of different models of hotels in Egypt, and aims to ascertain the extent of applying the standards mentioned before about furnishings and textiles used in internal space, and to ascertain the extent of harmony between furnishings design with internal design, and modern technologies used in hotel designing.

The applied study summarizes everything mentioned in the theoretical study as it concerns with the practical application on one of the present hotels and applying internal design standards on it, then reaching the positives and negatives exist in the design to ensure the design positives and overcome its negatives through three steps as follows:

First, an analytical study for the chosen hotel. This part discusses analytical, descriptive study for one model of hotels in Egypt that aims at ascertain the extent of applying the standards mentioned before on furnishings and textiles that used in the interior space and also ascertain the extent of harmony between furnishings design with the internal design and modern techniques which used in hotel design.

The second step of the study is the applied study on the hotel rooms and using a unified style to inspire from, it is the ancient Egyptian style to achieve integration between internal design and furnishings design through this style. In this part, the different design resources are analyzed whether the internal design or the furnishing design and reach the demanded integration through achieving the form standards.

The third step is reaching the required final designs through longitudinal and vertical sections and using the achieved criteria like color plan, materials and lightening to get the required harmony, and analyze the used furnishings through the other standards such as function standards and economical standards. Then following modern techniques which used for making these designs which is digital printing technique that is considered one of the recent modern techniques in furnishings printing and through which we overcame the errors of the previous designs.