

## “Concept of Merging Ancient Architectural Design with The Modern Conceptual, to Be as Curriculum Course Teach at Architectural Faculties to Obtain Professional Learning Outcomes”.

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**ABSTRACT.** This research is concerned with reviewing some design courses taught at the department of architecture, to review the possibility of integrating and applying architectural design standards for ancient buildings of archaeological and historical style with modern design standards, to be used within the standards of contemporary design, in order to teach this courses in the university curriculum, especially in architecture department, and make students more interested in this authentic architectural heritage. The history of ancient and modern architecture in both of eastern and western civilizations, as well as the use of modern technology in architectural design and construction, as well as the formation processes used in some building materials, in addition to the skills of engineers and construction workers. All of these factors had a clear effect between the authenticity of the past and the present. Where we notice that the architectural character of the ancient building tells the story of a civilization and a culture of peoples, and when we look at that wonderful architectural legacy, we have in mind the following question: How was this wonderful building in artistic? In terms of size, shape and decoration, knowing that the capabilities used previously were very limited, and this is what we see so far, whether in building the Pyramids in Egypt, Alhambra Palace in Granada - Spain, in addition to a lot of palaces and castles that still tell us about the legacy of the past, even in east asia, where buildings and monuments are sprawling the parties that express the civilization of those peoples. All this made me raise the hat for those giants who left a bright imprint for us in the history of architecture, and not to forget them this beautiful, especially for those owners of architectural schools who taught students in all over the world. It is imperative to preserve the teaching and strengthening of the sustainability of this legacy that we still proud of.

**KEY WORDS:** History of Architecture, Conceptual of Architectural Design, Merging Contemporary Architecture, Ancient Buildings.

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### I. INTRODUCTION

The desired results of this research are to link the old designing thought with the modern conceptual and thought, especially from the viewpoint of oriental designers. Architectural design is considered as functional combinations and configurations that meet human purposes and the requirements of life within spatial and material capabilities, and are related to the quality of life socially and spatially. The history of architecture is related to its civilization, so the civilized aspect must be preserved, whether in university curriculams or through design offices. This concerning is intended to preserve the architectural heritage and traditional, in order to develop and integrated new conceptual with the new architectural design concept. Meanwhile, such adjustment, and development in the academic plan for architectural students, will offer and create new professional jobs for new generations in local and regional area, even for raw materials they need after the design process, when they apply their new knowledge in this new courses. Of course all ideas related to ancient and modern design were concerned in searching in human comfort in the architectural void, so we always asking ourselves why we study the ancient architecture, and its history? Much of the modern architectural production derives ideas from ancient architectural production, structure in general through the different types and shape of doors and gates, windows and mashrabiyyas used, courtyard, spacious courtyards, domes, arches, columns (which consist, base, shaft, and capital) and water fountains. Even tombs, and other construction were built by stone, these stones are usually either incised or ornate. Most of these elements need to be manufactured and shaped using manual or the new technical skills in order to fit with the outcomes and recommendations of the research that search to preserve the history of architecture, as well as strengthening it in the curriculum, and to increase the jobs opportunities for graduated, the architectural production of the past remains a source of inspiration for modern architectural production, and other effects related to improving and raising the quality of lighting and ventilation

in buildings. Fig. (1) shown water fountains, these fountains were used to cool the atmosphere and beautify the place, its also used indoor and outdoor.



**Fig. (1) Water Fountains**

Meanwhile the picture in fig.(2) shows the mashrabiya, which is used in windows for multi purposes, in terms of aesthetics, and protection from heat sunshine, most building that have such facilities, and Mosaic, its wide in windows and has enough height, these buildings considered as ideal buildings, contribute to achieving people's satisfaction in general, and to comfort with the human behavior. It is also possible to understand and know the history and civilization of architecture through its architectural style, and this is consistent with what **Ernst Burden** view.



**Fig.(2) Mashrabiya**

The indoor yard "living room" was invented by engineer "Portman in the 1960s, as shown in Fig. (3), which is considered as Contemporary Architecture. Which is called **Atrium**, it becomes distinguished mark to his architectural design. At the sametime, this design for the courtyard and cellar, was originally used in the design of buildings in the middle ages, and in historical buildings. This kind of yards will create social heat can be created at the building by forming a single space extending from one floor to another to reach the full building height. The American engineer **Frank Lloyd**, considered a famous engineer in building a rise buildings with an open yards.



**Fig (3) Contemporary Architectur**

## **II. RESEARCH OBJECTIVS**

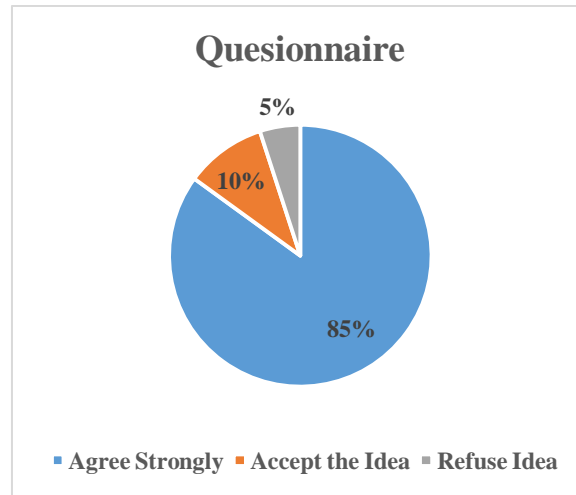
This eternal ancient history of architecture must remain as a source of inspiration from which we draw ideas, to integrate and develop them within the contemporary history of architecture, to be as an important course taught in university education. We should remember that the history of architecture is in line with the requirements of continuous development of architecture, means that we should preserving and improving it, o it is necessary to pay tribute to the ancient past, which is always brighten (from pointview of architecture), and to preserve it. Creativity in architectural design is more distinguished when compared to the history of architecture. Architecture of different ages and successions, including the Islamic civilization, and others, such as Egyptian, Greek and Roman civilizations, in the ancient world formed different designs that fit and harmonize with the civilization and culture, and needs of peoples at that time. As well as civilizations in the Middle Ages. and Some other civilizations. I especially mentioned here to Chinese Civilization which must be used some of the features of its civilization in buildings, whether through interior or exterior design, where it leaves its fignure prints at the design of buildings.. This matter must not waste, this creativity of such architectural heritage should preserve, develop to be teach within the university as credit courses curriculum, as well as to be integrate it as students graduation projects, awards were offered for distigushed students for such projects, workshops, meetings and conferences should be held inside and outside of universities institutions to confirm quality assurance, and to preserve such valuable topics. There are many professions related to the elements of building construction and architectural design that becomes extinct now, because some of these professions make by skills hands , those professionals they are becomes old now, and they can't work well., means their productivity is too low, even the new generation they are not qualified, and not satisfied with such work, most of them, they don't accept such jobs environment in this conditions in primitive methods, which is considered as an old and hard jobs from their point view, so the important aim is to providing and supporting with qualified competencies and professional skills needed to support the labour market needs, by renew, and redesign as concept in architecture, such as the architectural artistic fig. which shown in fig.#(4).



**Fig. (4) Concept of Old Architecture**

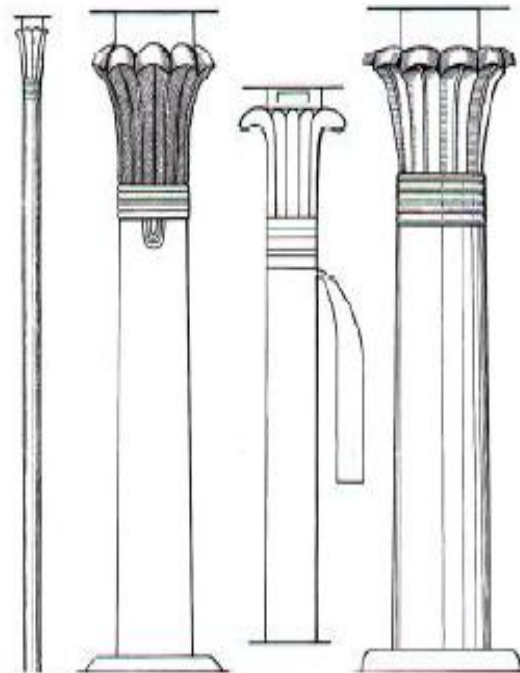
### III. METHODOLOGY

I paid all of my attention to this study through the presence of some students who have artistic and capabilities that make them capable with creativity in these architectural, and artistic works to fulfill the market needs, in order to create new jobs for new graduates students, based on the questionnaire that I designed, which is prepared to determine and to support the labor market needs with such requirements in order to support the labor market with this qualified, and trainee category, by randomly number of architectural engineers, and professionals, I got the result which gives me a positive indicator about this research, the result of questionnaire appear in the following phai chart shown below, fig.# (5).

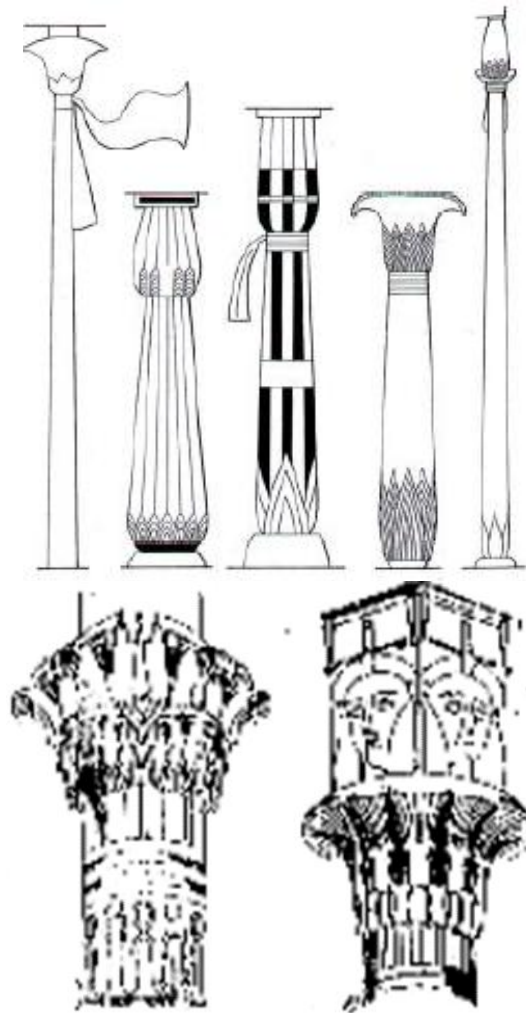


**Fig.# (5). Phai Chart Result**

Through the figure No. (6) below We can see some of fingerprints that appear in some architectural elements and engineering works of art. such as columns, elements and its components and so on, that were belongs to old and differet civilizations. These different architectural styles were present during the aforementioned eras and civilizations, in places of worship, theaters and towers, palaces with the difference kind in some building materials that used. We note here the Ishtar gate in the era of the Babylonian civilization.







**Fig (6) Column Styles Ancient Egyptian**

The main requirement now is to update and develop advanced technology that helps in the fast and quality of production of these architectural elements and style used in architecture in general, this kind of development also means increasing the abundance of job opportunities and preserving this architectural heritage and style, which will contribute to encouraging and making engineers and designers trying to use such patterns in architectural design later. Of course, this interest, and this approach will improve and support the economic situation in general. It will also restore past glories through seeing and appearance in new buildings from architectural view, new architectural design will appear for such styles in different places, such as public markets, streets, public places, and different architectural utilities in general. This confirms the necessity of attention to preserving this historical and cultural architectural heritage, whose effects we still see it until this day. whether in palaces or luxurious old homes, and this is a testament to the splendor of those palaces and houses, as they contain architectural elements that are now almost missing in our new architectural design. such improvement of new technology that use, will open many job opportunities and other horizons in this field.

#### **IV. LETRETURE REVIEW & GIVING FEEDBACK**

Upon to my humble teaching experience, through my teaching trip at different universities, and my follow up to the graduate architectural engineers I found that market full of architects, whom they already studied the history of architect courses through the different eras, through my searching I found that the market now needs to craftsman, and new professional architects qualified with both ancient and contemporary architecture knowledge, such combined courses will make positive effort at the results of learning outcomes. This courses will be provide through a universities craft vocational career-relevant training of high-quality through special designed courses based on innovative craft heritage training and state of the art craft facilities in order to improving the learning outcomes. There are some academic and university institutions were concerned in the region that are now looking for a mechanism that would raise the level of this subject through workshops

and conferences, in addition to the viewpoints of some authors and references which was used to fulfill the requirements of publishing this paper.

## **V. FINDING & RECOMMENDATIONS**

The results which I got after I finished this study case from different views, upon to my point view I had some recommendations are as follow.

1. Merging preliminary design strategies of the history of Islamic architecture with modern design theories and methods, to be as a university requirement at the architectural department to be teach as compulsory course.
2. Teaching new architectural design proposals by the aforementioned methods. Focusing on the practical side of the course.
3. Introducing the history of architecture, its philosophical theories, and its impact on building design, taking in considerations the ancient architectural design of building style.
4. Introducing international architectural trends and linking them to the local dimensions and traditions of architecture, taking into account all the surrounding circumstances.
5. Familiarize students with the major design systems in both, ancient age, and modern history, in addition to their components, physical properties, sustainability issues, to be mixed later in new one academic course to be teach at the architectural faculties.
6. Exchange and transfer the vast craft experience and knowledge to be accredited academic courses later at the higher education, and share workshops, and meetings between specialist in this field.
7. Establishing connections between the academic education at universities and craft society through vocational high schools, and community colleges, which they use such crafts courses.
8. Contributing towards transforming the vast craft knowledge into e-learning courses, media to help spread the traditional craft culture within societies through different academic institutions, and high schools.

## **VI. CONCLUSIONS**

As this study might be the first of its kind, the aim of this search is to mix between both Ancient history and contemporary history of architecture in the design process, upon to the scientific research results analysis of this study, I got the following, so the outcome of this research is summarized in the following points.

Some local and regional universities are interested for adjustment some design courses at the architectural department curriculum, through meetings, and workshops helds to enhance the academic study plans to be convenient with aim of this study, to fulfill the market needs, and offering new job opportunities for graduate students, If we are looking to the history of architecture in general, we will see that all its elements and their goal are the same, but they are differ in terms of style and design, and methods of building and so on. So the results are.

1. To transfer the vast craft experience and knowledge into credit academic curriculum courses in higher education, to increase the job opportunity for graduate.
2. This will contribute increasing, improve and develop the managerial and marketing skills of master craftsmen through these academic courses that address the market needs, which will increase the jobs opportunities for graduate
3. In addition to the academic courses which taught at the colleges, other special training courses related to such skills applying to transfer of experience and skills via training courses adapted model of craft skills training courses.
4. Enriching craft skills and training experience by teaching handicraft skills training courses experience, to fulfill the market required needs, and to export such experience to other countries
5. Establishing connections between the academic education, vocational education, to establish a qualified craft society, to adapt with market needs, and new technology.
6. Establishing heritage craft centres, vocational schools and craftsman community colleges, and encourage parents to urge their children to join the vocational education that matches with the requirements of Architecture engineers.
7. The desired and expected results of this research will have an impact on many of the subjects taught at architecture colleges, and some other educational centers.
8. Create new qualified vocational generation, can design and work at the same time as craftsman, and improving this field to be as a vast in other business and trade.
9. How to create, innovation and design by using technology in order to perpetuate the traditional handicraft and old arts

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