

The development of the innovative thinking of the contemporary design of glass murals Applying the murals Ain Sukhna Road

Assist. Prof. Dr. Rasha Mohamed Ali Hassan

Associate professor – (glass department) – Helwan University

rashazenhom@gmail.com

Abstract:

The study of the Egyptian civilization heritage is considered one of the most enjoyable private studies, that the designer could read the artistic thoughts through the ancient artistic works and inspire new ideas and unique, private and multiple solutions, especially in the field of glass and murals, as Egypt along time is famous and well known with the original art and materials that ancient Egyptians had produced. Our Egyptian heritage is rich with many models with wonderful designs and exquisite ideas that are considered an important resource for both architectural and art designers when they are trying to create modern art or contemporary design. Along ages Egypt has been characterized with ancient civilization that produced heritage and creativity that went viral and left the Egyptian borders to be famous around the globe, through its arts and architecture which have unlimited design compositions from the Pharaonic, Coptic and Islamic motifs, that could be studied, identified and used in finding alphabets for designing solutions and alternatives that may help the designer in creating variable designs for glass murals. Policy has played a major role in turning to modernity, the matter of modernization has been connected to originality which all works of the Egyptian artists are famous for, all over the years with that kind of arts, the link between modernization and identity has become so significant.

So we had to look for modern ways to handle those design compositions with contemporary vision.

The research problem was in the following:

The trial to root values and features of the civilizational heritage with the creative thinking of contemporary design of glass murals.

The research aim:

Reaching new designing vocabularies for the civilizational heritage that contain variable alternatives for design of glass murals, through suggested strategies that realize the matching between technological data and design directions of the contemporary intellect.

Keywords:

Intellect, creative, contemporary, glass, murals.

Things that an artist should considers:

- 1- The relation among the surface materials and the environmental factors.
- 2- The harmony among the coloring materials and the surface materials.
- 3- The type of material and technique that are used in the mural.
- 4- Compatibility of the used constructing materials with the surrounding environment.
- 5- Use of curved and free lines in the design.
- 6- Integration among the background and elements of the design.
- 7- Honesty in expressing the function (shape and function are the same thing).

Features and characteristics of the surface that carries the glass murals and its role in confirming the aesthetical values of the artistic work:

1- Glimmering

2- Color

3- Texture and it is divided into:

1- Real textures

2- Delusional textures

3- Transparency.

Mural illustration and its integral relation with architecture:

If one of the features of mural illustration is being a work that is directly connected to the mural, its most significant feature is its compatibility with the mural to create a form of harmony with it which could be identified as integration between mural illustration and architecture as a value that the artist always looks for it.

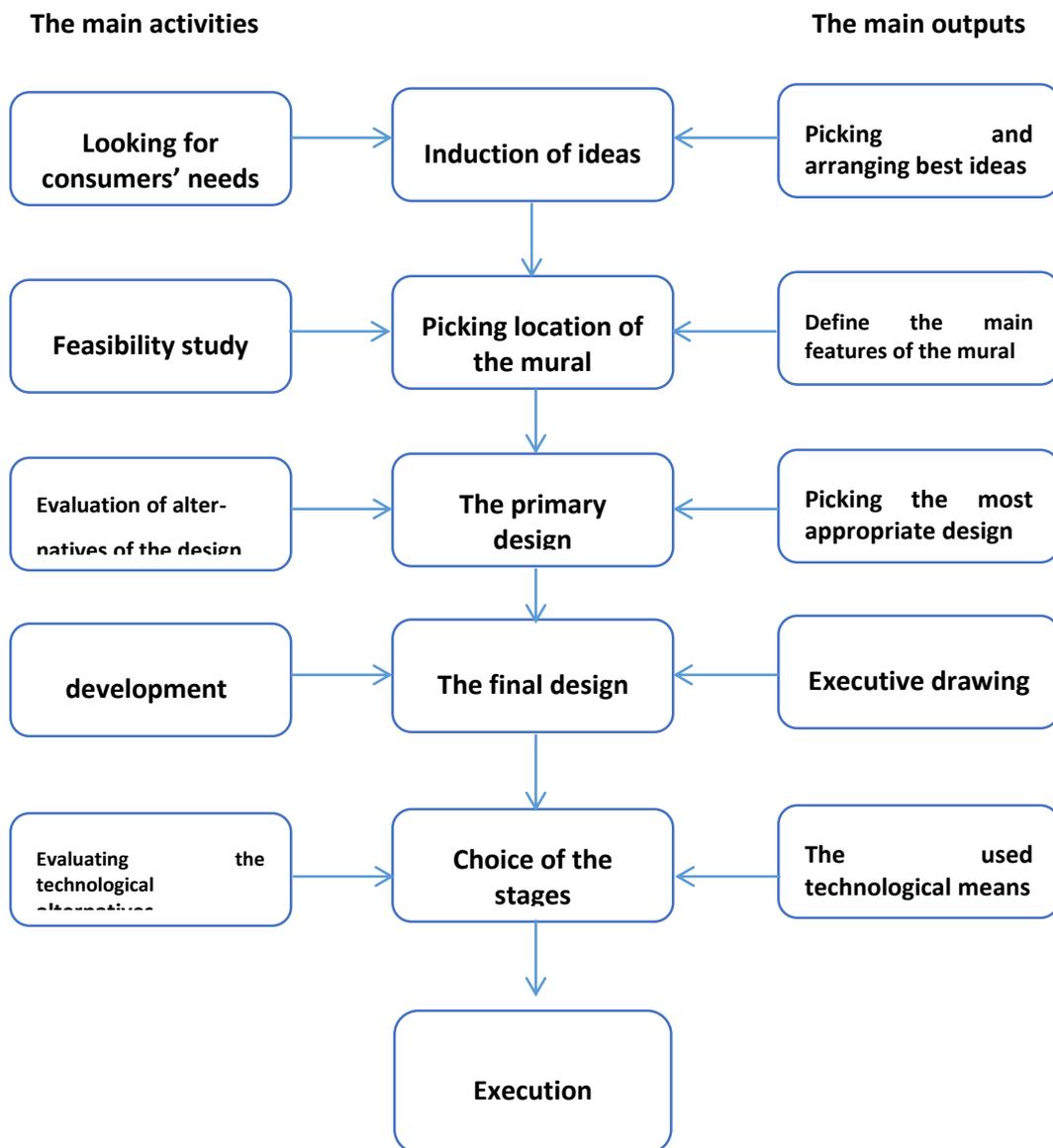


Fig. 1 stages of designing a mural.

Design ideas of the executed works:

1st project: the mural located next to the mountain at Al-Ein Al-Sokhna road, which is inspired from the Islamic art.

The design idea depends on utilizing the Islamic art; its motifs, calligraphy, subjects of Islamic wars in building the architectural intellect of the design by showing the color harmony among hot and cold colors in the glass mosaic, cold paintings, solid conglomerates of sculpture with polyester to express the subject of Islamic wars and enriching the Islamic artistic style by following means of modern intellect that match the aesthetics of the desert environment and the road entrance between two mountains which realizes originality and contemporality in the design, which was thought about through getting closer to the Islamic motifs with the updates of the modern age in a mural of 30 M length.

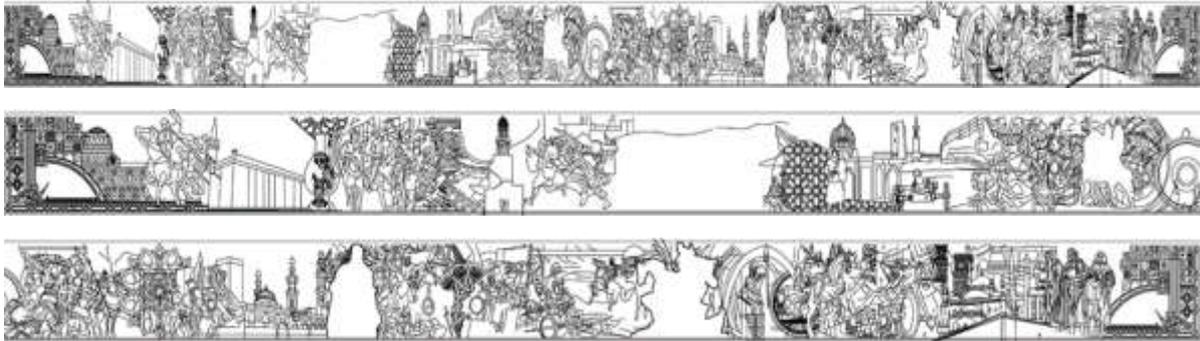


Fig . (2) The execution drawing of the first application of the mural between two mountains at Al-Ein Al-Sokhna road and inspired from the Islamic art.



Fig. (3) The first design of the mural at Al-Ein Al-Sokhna road

It takes a lot of effort and many steps to reach the final form of the mural when using glass mosaic tiles, to ensure factors of stability and survival for long times. The work starts with primary, executive drawing and ends up with a huge piece of art with large area. In addition to being subjected to many critical calculations regarding the perspective of the painted shapes as well as the colors themselves. As things that go far from the eye lose a huge part of their actual size and the intensity of their colors and vice versa when getting closer.

The process of executing the drawing is through creating plates with small areas that could be transferred and hanged on the mural to be fixed to become a part of it and installing them next to each other, then some restoration to conceal the separators among the plates that happened during the process of combining them all together. In order to avoid the problem of the problem of creative illustrating, we mostly add or delete some of the elements that are present in the original preparatory drawing. It's possible to add innovative touches clearly in the

composition and texture of the artistic mural to deliver a certain message and content to the final viewer. The texture in the artistic mural is shown either flat with 2 dimensions or embodied with 3 dimensions and becomes a source for more inspiration especially when light is connected to shadow. Texture in the previously prepared materials of the mural has huge variety and uniqueness and plays a major role in the innovation process. Hard glass, mosaic tiles with the bright, glazed surface of the tiny pieces that are lined up next to each other, its texture gives aesthetics that provide many things to the innovation process which those elements are considered among their basic corners.



Fig. (4) Is the final shape of the mural at Al-Ein Al-Sokhna road and some of its parts and details that are applied by merging techniques of opaque mosaic, coloring with cold paintings, sculpting with polyester and being inspired by the Islamic art.

We find that the aesthetics of the various materials of the mural and their distinguished characteristics in addition to the systematic steps for its execution make it easy to introduce artistic work on the walls that carry significant parts of artistic aesthetics with personal, illustrative and artistic touch that express the sensual and intellectual creative energy that lies inside of it and is being transferred to the viewer through its ability to deliver the internal, innovative state with creative and special touches. Confirming that factor guaranties the development of the used techniques in the murals in a balanced and methodological way.

The second project: the mural at Al-Ein Al-Sokhna road next to the mountain, inspired from ancient Egyptian art. The design relied on the philosophy of the pharaonic, Egyptian intellect in construction. An architectural study was done for the location and the mural that is required to be treated and designed by utilizing the ancient, Egyptian art. Glass techniques were merged during the execution using glass mosaic and integrating them with solid sculpting using polyester. Based on that; the ancient, Egyptian art was used with modern vision to create a design for the mural by using the ancient Egyptian elements that tell an intellect that is compatible with the quality of the Egyptian civilization to find a completing, aesthetical relation that expresses the place with a philosophy that matches the contemporary of the composition.

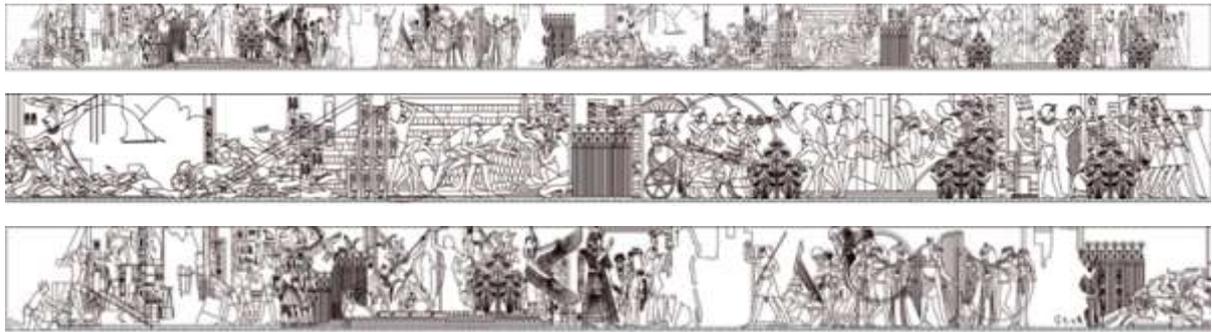


fig. (5) The execution drawing for the second application of the mural at Al-Ein Al-Sokhna road between the 2 mountains, inspired from the ancient Egyptian art.



Fig. (6) the second design of the mural at Al-Ein Al-Sokhna road

You can tell and find many symbols of love and peace by looking at the executed mural such as the presence of king Ramses next to his wife with music players and dancers play music on harp, as it also shows the daily ancient Egyptian life with subjects like hunting, wars and giving offerings for gods. The mural has an artistic sense with creative illustrative touches where both materials were adapted and aesthetics were utilized at the same time.

One of its corners



Fig. (7) the final shape of the mural at Al-Ein Al-Sokhna road and some of its parts and details that are applied by merging techniques of opaque mosaic, coloring with cold paintings, sculpting with polyester and being inspired by the ancient Egyptian art.

Results:

- The possibility of creating systemic steps for the process of designing glass murals in civilized and heritage style that is compatible with the technological outputs and design trends of the contemporary intellect.
- Realizing the aesthetical and beneficial values in designing and applying the murals that are mentioned in the research at Al-Ein Al-Sokhna road, benefiting from merging techniques of mosaic, sculpting and painting.
- The research confirms the trial to originate values and characteristics of the civilizational heritage by developing the creative intellect of the contemporary design of the glass murals.
- Some murals at Al-Ein Al-Sokhna road in Cairo were executed with glass mosaic and prominent sculpture with polyester, inspired by the ancient Egyptian art and the Islamic art with contemporary vision.

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