

The role of the industrial designer in the fight against "Corona" and the transit of the product to future technology

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Abstract:

The (importance) of the research is for designers and practitioners of industrial design and product design, as the research contributes to the development and improvement of the designer's thought and its focus on solving design problems facing humans, because one of the primary design goals is to serve people and facilitate their lives and protect them from dangers and this is the focus of the industrial designer that is (The user is the center of the design process), after the product is the center of the design process.

It also represents (the goal of the research) in developing and improving products due to the pandemic of traversing the world and destroying it, that is, out of the ordeal with a grant and turning the disaster into hope with the help of the industrial designer.

(The research claims) that despite the difficult circumstances that the world is going through under the "Corona" virus, these conditions are capable of developing product design to serve humans, and even crossing those products to future horizons that the world had not expected before from a stunning development of the world of robotics and others.

(Research aims) to develop and improve product design due to a pandemic that swept the world and destroyed it, meaning out of the ordeal with a grant and turning the disaster into hope with the help of the industrial designer.

The most important (results) were to improve and develop product design in the world and the emergence of more innovative products.

Research Phenomenon:

Recently, a dangerous and invisible enemy appeared in the third millennium, killing thousands of people all over the world, which is the "Corona" virus, "Covid-19", which filled the world with terror, and cities and streets became free of people and stopped all the usual forms of life with its hidden appearance. A complete cessation, which made all specialists in all fields search day and night how to fight it, prevent it, and triumph over it with the least losses in all economic, political, financial, and industrial fields... etc. They did not exist before, or the development of existing products to adapt and protect people in the world under the emerging umbrella of "Corona".

Research Problem:

Through the list of the disaster that the world is facing and is destroying it, out of the ordeal with a grant and turning the disaster into hope with the help of the industrial designer.

Research Assumption:

The research claims that despite these difficult circumstances that the world is going through under the "Corona" virus, these conditions are able to develop and improve product design to serve people, and even to cross those products to future horizons that the world had not expected before from an amazing development of the world of robots and others.

Research Objective:

The development and improvement of product design due to a pandemic that invaded and destroyed the world, that is, out of the ordeal with a grant and turning disaster into hope with the help of the industrial designer.

Importance of study:

The research is of great importance for designers and practitioners of industrial design and product design, as the research contributes to developing and improving the designer's thought and its focus on solving design problems facing humans as one of the primary design goals is to serve people and facilitate their lives and protect them from dangers and this is the focus of the industrial designer, that is (The user is the center of the design process).

Research Methodology:

The research is based on the inductive method.

Research Plan:

To prove the claim, a plan must be followed to reach the goal:

A person thinks when he faces a problem, if some information related to the problem is available, then the thinker relies on this information, and he may request more of it to reach the unknown elements in the problem, and we express this in the language of logic by saying: The thinker moves from the introductions to the results, and this is inference. Inference in its general sense is the mental process by which the transition from the unknown to the known, it is necessary in the beginning to identify that emerging virus and how it affects humans and its relationship to industrial design and how those conditions were expressed by designing the product to the future ... There are several axes of the research which are:

First: What is the new Corona virus?

- 1- Its history:
- 2- How it works in the human body?

Second: The problems resulting from the appearance of the Corona virus, which the designer strives to solve:

- 1- All forms of normal life in the world have stopped and losses are increasing in all fields.
- 2- Human injuries and the high number of deaths in a short period.

Third: The role of the industrial designer in combating Corona and crossing the product into future technology:

- 1- The emergence of advanced products that were not there before to deal with an invisible enemy (the role of the industrial designer in the prevention of the virus).

2- The shift from dependence on humans to dependence on robots (the role of the industrial designer in cooperation with electronics, electrical engineers).

3- The concept of wars evolved from "nuclear" war to invisible "Nano" war (pushing the designer to break into and understand nanotechnology).

4- Increasing the number of technology users by an unprecedented rate.

- Results.
- Recommendations.
- Discussion.
- References.

Introduction:

This study was conducted because it has a great impact on increasing the awareness of the designer in difficult circumstances that invaded the world that faced no similar for centuries, and that the hope lies in pain and that the industrial designer works especially in these difficult circumstances, not in conditions of luxury and stability and that the world in those conditions is more urgent. It is for all disciplines, especially for the industrial designer and innovators because its main goal is to protect and comfort human beings.

• Basic concepts

First: Corona:

Corona virus is a wide range of viruses that can cause disease in animals and humans. It is known that corona viruses cause human respiratory diseases with severity ranging from common cold to more severe diseases such as, Middle East Respiratory Syndrome (MERS) and severe acute respiratory syndrome (SARS). The newly discovered Corona virus causes Covid-19, an infectious disease caused by the last virus detected from the Coronavirus. There was no knowledge of the existence and disease of this new virus before its outbreak began in the Chinese city Wuhan in December 2019, and Covid-19 has now turned into a pandemic affecting many countries of the world.

Second: industrial design:

Industrial design is an engineering science derived from architecture and a mixture of applied art concerned with product architecture and industrial and engineering designs where it combines beauty and usability in designing engineering products or industrial and design works with quantitative production in order to improve sales and raise the capabilities of productive processes and engineering designs, whether architectural – productivity, as products with its various types - environmental - internal or external architecture works and other product designs. It is a process with an engineering and aesthetic thought branching out of architecture that aims to make decisions used in developing or building systems in which humans need them to preserve their humanity through engineering products and industrial works.

Third: Future technology:

A comprehensive process that systematically applies science and knowledge in several fields; To achieve purposes of practical value to society. Technology is defined as the optimal use of scientific knowledge, its applications, and adaptation to serve the human and its well-being, and

the common concept of technology is the use of computers and modern devices, and this view is limited in vision. The way of thinking that leads the individual to the desired results, that is, it is a mean and not a result, and it is a way of thinking in the use of knowledge, information, and skills, with the aim of reaching results to satisfy human needs and increase their capabilities.

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