

Using Hologram Technology in Constructing Virtual Scenes in Archaeological Sites to Support Tourism in Egypt

Assist. Prof. Dr. Ahmed Mohamed Safy El Deen

Assistant Professor at the Department of Interior Design & Furniture

Faculty of Applied Arts -Beni-Suef University

Ahsafy@gmail.com

Assist. Prof. Dr. Fatma Ahmed Mohamed Hussein

Assistant Professor at the Department of Interior Design & Furniture

Faculty of Applied Arts -Beni-Suef University

Fatmaelatar@hotmail.com

Abstract:

There is no doubt that each nation has its own rich heritage from which its nationality and belonging are derived, Egypt is considered one of the first countries that has a rich history, civilization and a high cultural heritage as most of its provinces which have several rich archeological sites of unique cultural characters. However, Egypt has not taken its earned position of cultural tourism around the world yet. Perhaps the main reason for this is the change in the passion of many tourists for that kind of tourism due to the technological developments and the great possibilities of transferring media via the internet which leads to the relative stagnation of this type of tourism that is considered one of the most important sources of national income. That leads to research problem which is represented in lack of using modern technological methods in ancient archaeological sites in Egypt that makes them not interactive, attractive and thrilling to form elements of attraction for visitors and tourists. The importance of this research is to shed light on the importance of employing hologram technology in restoration of archeological sites in Egypt through the construction of dramatic, historical and virtual scenes so that the archaeological site serves as a true expressionist decor. Research goals are to highlight the role of technology in the restoration of archaeological sites in Egypt and Show the effect of merging between the modern technology and the Egyptian cultural heritage. Research hypothesis that Hologram technology can be adapted to build historical hypothetical scenes in archaeological sites. Research Methodology is inductive approach to the hologram technology, and then the deductive approach to reach a methodology to integrate the technological methods with the urban heritage of Egypt. The study has shown the possibility of digital and optical processing of the outer spreads of archaeological sites.

Key words :Hologram - Development of archeological sites - Augmented reality - Revival of urban heritage.