

The Impact of Digital Revolution On Urban

By

Eng. Abdullah Badawy Mohamed Goda

Master Degree

This thesis for M.Sc. degree has been Approved by:

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Faculty of Engineering

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ABSTRACT

The study sheds light on the issue of impact of digital revolution on Urban and architecture. It suggests an analytical study of the mechanisms to deal with existing and emerging. As a significant development in computer systems and technology and its impact on life activities inside and outside home in the era of the digital revolution.

Since the architecture is the field of daily life there is no doubt that our urban environment and the threat of facilities, is about to be transformed to produce Electronic spaces, which is expected to continue largely in this century which we are on its doorstep, but this development will lead to increased dependence on electronics in most activities of life if not all of the activities, And human activities that spread dependent on the ability of residents to carry out the possibilities of modern technologies are: residential groupings to show the residential groupings closed "Gated communities" and places of work, and will depart departments in the production sites and will do some of these activities into space, non- physical which called planning experts (cyber space).

Within the theoretical approach ths study covered Literature Review and its significant results. ,the most important concepts and definitions and Defining the variables and the most important concepts and terminology. The new technological knowledge-based, sharing and knowledge innovation and production software.

All of these variables and reflections lead us to search for mechanisms to deal with the reality-based existing and emerging, which will be extracted from the developments of this era.

Within the analytical approach ths study the mechanisms to deal with (concepts - principles - theories - ideas) for different method of investigation on the level architectural and urban, which must be found, where the different rate of change for different developments, which

bring every age with its developments and inputs, The jobs performed by the buildings and Urban Spaces in constant change; therefore should be treated with this change to ensure the continuation of the life of the building and urban space and its role in society and the environment, which is achieved by the search for mechanisms to deal.

The most important of these results is that the principles and criteria for such a mechanism derived from the study linked to but stems from the thought process in Architecture and Urbanism; it gives them the recipe at all to think; to allow the designer to gain access to the ideas of infinite for each problem, design - both public and private architectural and urban Within these principles, and consistent with the other conditions the social, cultural, environmental.

The functions performed by the Buildings and Urban Spaces in constant change, so must be treated with this change to ensure the continuation of the life of the building, space, physical and role in society and the environment, which is achieved by rehabilitation and re-use and employment, where the different rate of change for different developments that bring each era in its changes and Developments.