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Study of Urban Construction Management, Environmental Sustainability

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ABSTRACT

The Observe cities with Difficulties Increasing Such as population density, indigence, Unemployment, Housing shortage, Insufficiency Services, Shortage subtraction, Environmental pollution, Economic inefficiency, And social this Concern mental For specialists In urban construction, Urban management As well as the main city exploiters therefore The people created that the main cause of inefficiency patterns Presented and What is the environmental pollution and What is the solution Critics and scholars To valuation the patterns of Urban Construction In the world believe Despite The emergence of these patterns Indeed A response to the poor quality of life in cities Particularly after the industrial revolution And the opinions and views exist Influenced by socio-economic conditions of their time Rooted in the disorder of human life in different periods And follow the appropriate is environment for human life. Therefore The purpose of this study Find the main cause of inefficiency Construction of the current city models As well as finding solutions to improve system Urban Construction future To achieve sustainable environmental The method used to fit the subject, A combination of documentary and descriptive and After analyzing the problems of urban systems To providing results and Finding study and Finally, the proposed solutions and Executive To improve Model Construction In environmental sustainability In the cities of today and the future to be paid.

KEYWORDS: Environment, Construction , Construction Management, Sustainability

INTRODUCTION

After several decades of planning and programs that result in urban construction using common patterns in different countries It was expected that the city is based on the correct principles And because of the potential economic, social, cultural and regional development and find So that any damage to the environment do not Unfortunately, these models not only failed to respond to the real needs of cities are obstacles and problems but also snapped. Urban factors in each country function of the system governing the community And although Urban Planning, and certain countries follow similar patterns and tools required in accordance with the general rules of urban planning and environment pollution are prepared [1]. However, due to different political and socio-economic structures in each country have different features, distinguishes them from each other [2]. Thus, the patterns of urban development planning and design can not be the subject of a separate and single, Because this type of planning is one of the levels of physical planning policies must fully comply with the policies of the higher levels [3]. In other words, the overall structure of spatial planning and environmental identify each country's initial conditions to explain the status of urban studies. In addition to the rules and regulations associated with the status of system planning Executive bed plan and patterns meet the requirement to identify the patterns of construction. Also check the performance of institutions and organizations responsible for planning, tools and procedures, and finally to identify patterns of urban construction in each country leads [4]. Obviously, the knowledge or the use of any model without considering the above-mentioned elements , it will cause malfunction pattern or inefficiency . Guidance and control system of urban construction in the country affected by the social, legal and planning. Based on this guidance and control of urban construction in the country is formed in two ways.1: Through a variety of programs, projects, 2: Through planning tools and programs based on the Urban Environment [3, 5]. Our urban development program to Constitutes the most important legal instruments and technical guidance and control development of cities is considered and correct these tools really improve methods of urban construction system is effective [6] Urban construction system , rather than being based on the needs, objectives and municipal facilities to the policies , institutions and central government based Comments And documents approved in this system is inflexible, according to expert opinion , which is then communicated to run municipalities And the nature of these projects is more Slsl Hmratby and physical demands and trends and developments stand in front of the [7] . The necessity of examining the methods of control and guidance of urban construction in Iran of two design perspective: firstly, the proper procedure is to neglect and instrumental in guiding and controlling urban construction no matter what negative consequences to the environment, looking for and secondly with regard to the current country conditions i.e. with some changes in the rules and created the structure of the current system and ready to accept further changes what the guidelines for out Of the existing constraints in the urban construction system of the country with regard to the preservation of the environment and sustainable development is predictable. After a century of modern architecture, with

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its valuable achievements and developments, complex problems in the environment can occur. The world at the beginning of the 21st century, a certificate unsustainable development that characterized by population growth, increased consumption and unbalanced distribution of resources. Population growth as a major Western lifestyle imposed on the natural environment in our time lead to climate change, the hole in the ozone layer, the decline of species and natural settlement has been which results in changing the culture of consumption and the human approach to nature. Following the changes, a new concept of sustainable development has been raised and as a result, due to the important role of the built environment through sustainable development and management of sustainable construction experts placed. One of the three main areas of emphasis is on sustainable development, environmental issues .Architects task in this very important and sensitive as architects, directly or indirectly are responsible for 75 % of climate change [8]. So architects should be a new view of nature , a bump in pay. Decades have passed since the introduction of sustainable construction management and much work by architects, is presented to solve the crisis, but there are still problems in the way of creating a sustainable building management. It seems that with the exception of the removal of the theoretical shortcomings of sustainable building management, we can not give it continuity. Sustainability is a word that includes many complex aspects. Today, the term is used in the interest of stability, but the correct meaning of the word and its implications for architects still not clear and no clear definition. The stability with respect to stem its umbrella slogans and the issue of preserving the Earth's target, for achieving realistic and workable solutions on the one hand and the protection of diversity that is available in the nature self On the other hand , since no methods or approaches wit recommend definitive recommendations on the management of sustainable construction there [9]. Therefore the arguments and theories expressed in this regard seems to be necessary to inform architects .In this article we have tried different ideas about sustainable development and construction management on various aspects of environmental protection introduced to the basic elements of sustainable architecture can be extracted. The concept of sustainable construction management of a significant change in the understanding of the relationship between man and nature and humans can be to each other. Since the human need for natural resources so that these resources should be used in place quickly and without a plan, management is allowed to take advantage of them in many years [10]. Capable of sustainable human development, construction management to ensure that the needs of the present without jeopardizing the ability of future generations to meet their needs, provide[9]. Sustainable development in construction activity and the built environment .The construction sector is one of the largest sectors of the economy and society in Europe , and with the built environment , significant changes in the natural environment , effective .Construction and the built environment , as the two key areas of global sustainable development , have been raised [11]. Building links compared to other artifacts have relatively longer life, and during all stages of the drawing, building a, outfit and destroy or use again, it will be important in sustainable development. A product composed of, building materials, materials and compounds that Mutually on the effect of time. In addition, building a significant effect on human health. For example, 9% of the people living in Europe in the time of building and architectural space can be spent [12]. Sustainable development aims to understand the relationship between man and nature make a significant change But the solutions presented in the sustainable development in the field of architecture and the built environment continues to Mechanical solutions and reform to the viewpoints of the human nature of the regime and not relative to the relationship between man and nature and lead to an incorrect and cannot be completely defined [13]. Richard Rogers from the perspective of sustainable design is to be faced with future needs without natural resources for future generations to destroy the remains .In the case of buildings, sustainable design to efficient sources of energy, at least, flexibility and long life, refers [14].

Jane Kim Jong appeared in the first three principles of sustainability in architecture is proposed, saving resources by reducing , re- using and recycling the natural resources used in the structure of deals , based on the design life cycle , the method for analysis of the process and its effects on the environment arises and ultimately the human design , which focuses on the interaction between man and the natural world [15].

From what was said about sustainable architecture, the goals of sustainable architecture in relation to the environment, often in relation to energy search: Buildings that are sensitive to local needs, taking minimum energy.... As mentioned above, taking into account the local socio-cultural context, it is essential for the implementation of environmental technologies The objectives of sustainable architecture , nature must be the man to do it, keep ; While in the past , such was the man's relationship with nature, in addition to the capture and use , including other was about the sacredness of nature[16]. This means the nature of the sacred being, it leads to the creation of a sense of respect towards nature, in the use of it, and thus with the meaning of the human nature, all of the issues that today are looking to solve them, has been solved. Environmental engineering [17,18]. The application of scientific and engineering principles to improve the environment (air , water and land resources) to provide water, air and land safe for human settlements and other organisms as well as the restoration of contaminated sites. Environmental Engineering involved with issues such as air and water pollution control, recycling, waste consumption, public health and law knowledge engineering environment. It also includes study of the environmental impact of construction projects. Hazardous waste management, environmental engineering studies to assess the significance of these risks on refining them, inform them about the area and the development of appropriate guidelines to prevent accidents, follow. Design of municipal water supply systems and sewage treatment and industrial [19, 20] Engineers in charge of the environment. Since this is draw attention to the health and quality of life better for the environment in which they live The principles used to improve the quality of their environment . Environmental engineering is a combination of various issues that has combined the following elements:

Agricultural Engineering- Biology- Chemical engineering- Chemistry- Civil Engineering- Ecology- Geography- Geology- Hydrology- Public health- Waste materials- Hazardous waste water treatment- Wastewater treatment- Statistics- Environmental Engineering Application of scientific and engineering principles- The environment.

METHODS

The concept of sustainable construction management is an important change in the understanding of the relationship between man and nature and humans with each other. Since there is a human need for natural resources, so these sources can be used instead of rapid and unplanned, are up to use in the management of the long years of them is possible with regard to the role and the importance of the management of the construction and its attention to the environment in order to preserve it for future generations of this research and investigation of the review in the year 1393 to data collection methods of the library resources and various articles. In this article, try to build the management role in the study of the preservation of natural resources.

RESULTS AND DISCUSSION

The concept of sustainable development is an important change in the understanding of the relationship between man and nature and humans with each other. This question by looking at two of the last century in conflict, on the basis of the separation of the view environmental and social and economic issues. It can be said that the development of sustainable architecture and sustainable construction management, protection of the environment by changing the approach towards nature are desired but provided solutions and what is made manifest in the environment today, a kind of discrete and separate from the collision of nature and is only to preserve it for future generations to exploit the attention. Although the principles of sustainable construction management including the deployment of a wide range of the most simple to the most sophisticated technological methods day, But the problem with the method of and compliance with social and cultural fields and use the environment is. Modified look to nature and thereby change human behavior than it is to change the culture of consumption will be a major step in the development of sustainable building management.

As mentioned neither natural nor social status can not be superior to each other. The construction process should be identified and explored. In this way the existing nature instead of being a stand-alone and external to take into account that should be saved, or about the operation, you must understand the nature of a different way and to communicate with it. Many theorists and philosophers are looking for a view of nature that respectful behavior towards nature leads, Because Alexander, ecology and environmental science together objects and elements Norberg- Schulz knows people are looking for meaning to the built environment through nature and also Nasr is also the only solution to the crisis of modern human societies in restoring it sees the nature of the divine nature. Sustainable building management needs to be seen in relation to the process. As a power that is sustainable, what is the sustainability. Why is it that in this case the fundamental question, what should be sustained and it is here that solutions can be recognized. In general, given the experience gained in the world, Today, advanced planning systems in the world and even in some developing countries, Almost all theoretical and practical approaches to urban development in an abandoned building and usually fixed pattern to be remembered as a historical phenomenon. So by taking these considerations seem to insist on the continuation and repetition of the experience of failing and failed in any way defensible and not justified And any attempt to reform the common patterns and maintain details on Nhl, not only does not play a significant role in the country's urban sector reform But as disruption and the loss of an opportunity to be considered in the process of ongoing developments. The results show the method of preparation, review and approval of urban construction patterns necessary continuity between the first and second ends and there are no proposals procurement process separate from the process of implementing the recommendations adopted models. The main problems of urban construction methodology patterns can be too much emphasis on techniques such as static , the imposition of artificial patterns of physical distribution and synchronization patterns to all areas of the city and the discontinuity of planning , design, implementation and management cited. There are problems in the sphere of Executive such as a failure and ambiguity in the rules and regulations of the urban development and the lack of sufficient attention to the possibilities and conditions of realization of the project and finally the absence of leverage sufficient to monitor and modify track patterns are observed.

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