

Evaluating the Livability Indicators of Smart Cities in the Post-Corona (Case Study of District 12 of Tehran Municipality)

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Abstract:

In the last century, rapid advances in information and communication technology, i.e. smart cities, have reduced the quality of life in environmental and socio-economic dimensions, i.e. the livability of cities globally. The corona pandemic or the "Covid-19 phenomenon" shows the vulnerability of cities in their current conditions. From the point of view of the objective, the current research is applied and in terms of research method, it has a descriptive-analytical nature. In this research, it was discussed, four dimensions (biological, social, economic and managerial) and nineteen indicators (natural potentials, the amount of public green space, flexibility, vitality and exhilaration of the urban space, economic productivity, diversity of use and economic activities, infrastructure and information technology, safe and sustainable transportation system, etc.) The viability of smart cities and the prioritization of their role in reducing harmful effects in the post-corona era were discussed using the AHP method. The results of the research show that in order of environmental, managerial, economic and social dimensions were important, and in the environmental dimension, the health index of the individual and the environment with 0.299, in the social dimension, the safety and security index with 0.445, in the economic dimension, the economic productivity index with 0.484, and in the management dimension, the supply index Information technology and infrastructure with 0.286, has the highest score and influence. At the end, the findings were presented in two parts, the amassment of goals and policies for creating a smart livable city in post-coronavirus and effective solutions to control the consequences of post-coronavirus in livable smart cities.

Keywords: Index, Urban Livability, Smart City, Post-Corona, District 12 of Tehran Municipality.

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