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The review, evaluation and Comparison of Smart City Sustainability Indexes (case study of Hamedan, Zanjan and Sanandaj cities)

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Abstract

This article reviews the dimensions and characteristics of a smart and sustainable city. Although a sustainable and smart city helps to improve the indicators and comfort in order to increase the quality of life there is a comprehensive framework in this area. In this paper standards and computational indices of this field was developed by evaluating the frameworks. The Sustainable Smart City indicators were studied in seven subjects of artificial intelligence, environment, energy, governance, life, mobility and individuals with ISO 37120. This paper measures the indicators of the sustainability and intelligibility of these cities and the degree of development in different areas in case study of this standard on the cities of Hamedan, Zanjan and Sanandaj as an application platform method .

Key words: Electronic City, Sustainable city, Smart City, Improving the Life Quality, Hamedan, Zanjan, Sanandaj

1. Introduction

The Intelligence is a set of features and processes used at the service of the city and citizens. The smart city is built for humanity to have the ability to Style upgrades so that the individual needs of the citizen are compatible with the needs of the community. The citizens in the smart city do not have the only consumer role, but they should play a key role in promoting city and citizenship. When the city is smart, its evaluation can be considered with sustainable growth models by promoting sustainable management. The smart city offers comprehensive and pervasive suggestions about the factors that the quality of citizen's life depend on them.

As the modern technologies of intelligent management and control in the city are more, so they play a more effective role in providing the optimal services, cleanliness and comfort of citizens in transit. Therefore, sustainability improvement is with the help of technology is the main goal of smart cities. According to statistical estimates, urban populations, especially metropolitan areas, are increasing day by day, and urban challenges such as environmental pollution and traffic congestion require technological solutions to create smart cities. The new technologies must be smart, unique, integrated, save on cost and source and affect