

Abstract

In recent decades, the concept of building Smart Cities has developed different approaches in relation to the quality of urban life. Quality of Life is contextual, pervasive, and complex concept influenced by many variables such as social, cultural, economic, spatial, and physical factors. It is consists of two global concepts with certain fundamental areas: the first concept is realization of the quality of life which results in life satisfaction and the second concept is focused on the environmental quality of life in socio- economic fields; hence, building Smart Cities is subject to both objective and subjective aspects of the quality of urban life. Of the most important components of the quality of urban life, the index of public participation is among the approaches used in creating smart cities. The purpose of this study was to evaluate the effects of building Smart Cities on the quality of urban life in the city of Zabol. This study is based on descriptive-analytical methodology and library studies and surveys (field study). In this regard, the required data were prepared partly through valid documents and partly through a questionnaire and then, were analyzed by using statistical software and artificial neural networks, so that by repeating 100, the amounts of R^2 (0.9191, 0.9533), RMSE (0.0730, 0.0180), MAD (0.0650, 0.0160) were developed for research data in order to train and test the most optimal network. The research results indicated that in all aspects of urban life quality, the city of Zabol has no suitable condition; hence, the results of evaluating the Smart City suggests that in terms of the indices of a smart city, Zabol has still a considerable distance to reach this goal.

Keywords: Smart Making, Quality of life, ANN, ANP, Zabol



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Intelligent affects on the quality of Urban life
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