

EMERGING TECHNOLOGIES USED IN SMART CITY URBANIZATION DEVELOPMENT: A SURVEY ANALYSIS

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Abstract

Smart city is one such promising idea that has been implemented globally with the purpose of making people's lives easier and more accessible. This has given rise to the notion of smart cities, in which information communication technology is integrated with a city's existing conventional infrastructures, which is then controlled and governed via technology. Smart city concepts involve the use of ICT to enhance the quality of urban life while lowering costs and conserving resources. The smart city is proposed as the greatest approach for dealing with the issues posed by rapid urbanization. This work looks at the major technologies that are being employed in the smart city growth of urbanization and explores the role of enabling technologies in the development. This paper used a systematic review technique to gather data from previously published studies from reputable publications, and these data were evaluated independently for each technologies described above. we reviewed major technologies used in smart city development. From our study, the smart urbanization development, rising technologies such as the internet of things (IoT), Artificial Intelligence (AI), Machine Learning(ML) and wearable sensors(WS) are all present. According to the review the Internet of Things is mostly used in smart city development. The results of this study suggested that IoT is the most used technology among other technologies in smart urbanization development.

Keywords: *Smart City, Urbanization, Internet of Things, Cloud Computing, Emerging Technology*