عنوان مقاله:

The Internet of Things Based Healthcare (HIoT): Networks, Technologies, Applications, and Challenges

نویسنده:

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خلاصه مقاله:

The Internet of Things (IoT) is an almost new technology in which different things are connected to the Internet and are available anytime and anywhere. The Internet of Things has many uses, including smart cities, smart industries, smart health, etc., and therefore, has attracted a lot of attention. One of the most interesting uses of IoT can be mentioned in the field of healthcare, which in addition to attracting the attention of patients and medical staff, has also interested industries and researchers. The use of the Internet of things in the healthcare's field provides the possibility of remote monitoring of health parameters, early diagnosis, easy access to patient data, and improving the quality of medical services. This paper examines IoT-based healthcare (HIoT) systems. The HIoT network is described in terms of topology and architecture. Also, new technologies used or have the potential to be used in these systems have been examined. Then, IoT services and applications in healthcare are described. After reviewing IoT-based treatment systems from different aspects, the challenges in the development process of these systems are expressed as open issue and researched topics for further studies.

کلمات کلیدی:
IoT, Internet of Things, Healthcare, HIoT

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