USE OF INTERNET OF THINGS TECHNOLOGY IN HEALTHCARE

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ABSTRACT

Today, the continuous development of information and communication technologies in the digital transformation process leads to the emergence of new technologies. One of these technologies is the Internet of Things (IoT), which connects virtual and real world entities, thus enabling the connectivity of anything any time. Developments in artificial intelligence, cloud computing, cyber security and network technologies emerge as concepts that attract attention in almost every part of the society. Especially in recent years, thanks to the widespread use of the Internet and the increase of the Internet speed, the Internet of Things has an important role in enabling all devices to communicate with each other through a network. The Internet of Things has made its way into a variety of industries, including logistics, manufacturing, shipping, transportation and healthcare. IoT improves communication on the Internet not only between people, but also between objects. The IoT enables almost every electronic device, with its expandable Internet connection, to become a smart object. Health services, which start before the birth of individuals and continue throughout their lives, are one of the most essential needs of individuals. In healthcare, use of the IoT offers many advantages in the treatment of patients taking the necessary precautions by making early diagnosis. Thanks to the Internet of Objects, the data received from people outside hospitals, it becomes easier to immediately detect unexpected situations that may occur. Besides solving many problems, use of the IoT in the healthcare industry also helps analyze and even predict the health status of patients.

Keywords: Internet of Things, Digital Transformation, Health Services.