Abstract

In the rising technology, the Internet of Things (IoT) comprised of physical objects that are inserted with sensors, actuators for automatic monitoring and tracking of patient’s records and biomedical devices. This paper explores in detail for IoT network architectures and tells the key technologies and process of decision-making system is presented based on the understanding of parameters in each architecture. The paper focuses on the comparative analysis of smart healthcare architecture and based on a study of each architecture, the paper suggests which architecture is best to implement in the Smart Hospitals.

References

1. Nomusa Dlodlo, Thato Foko, Promise Mvelase, and Sizakele Mathaba, CSIR Meraka Institute, Pretoria, South Africa," The State of Affairs in Internet of Things Research”
3. Jaroslav Kadlec*, Radek Kuchta, Radovan Novotný and Ondřej Čožík,” RFID Modular System for the Internet of Things (IoT)
4. E.Serafim, and S.Motoyama “A Network structure for Medical Assistance in Rural and Urban Areas using IOT Technology”
5. Vijayakannan Sermakani, Robert Bosch Engineering and Business Ltd, “Transforming Healthcare through Internet of Things”
6. islam1, (member, ieee), daehan kwak2, md. humaun kabir1, mahmud hossain3, and kyung-sup kwak1, (member, ieee), “the internet of things in healthcare: a comprehension survey”

Index Terms

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Keywords

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