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Implementing Blockchain Technology in the IoT

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Abstract: *The Internet of Things is a type of technology in which devices are connected to a network. Since all devices are connected to a single network, the is at risk of a cyberattack if the network is not protected. By deploying blockchain technology in any IoT system, you can secure your system and reduce its vulnerability to cyberattacks. While using an IoT platform based on blockchain technology 6 has valuable advantages, it is worth considering various alternatives between blockchain technologies. They all have their own limitations and are not suitable for all usage scenarios. This review lists some of the shortcomings of blockchain technology in this regard. In the course of this investigation of this review paper, we encountered various shortcomings of IoT that can be overcome by adopting different types of blockchain technology in -specific IoT systems. When adopting blockchain technology for a particular IoT system, you need to be able to perform systematic analysis to suit your needs and obtain the blockchain capabilities that are appropriate for that particular scenario.*

Keywords: Block Chain, Security, IoT system

REFERENCES:

[1]. Gazafroudi, Amin Shokri, Karim Afshar, and NooshinBigdeli. "A rating of the 's operating reserves and costs, taking into account customer choices and wind power uncertainty in the pool market." International
[2]. Gonzales Briones, Alfonso et al. "Consensus Techniques for Home Energy Optimization". Sensor 18.5 (2018): 1633.
[3]. Gonzales Briones, Alfonso et al. "Framework for Knowledge Discovery from Wireless Sensor Networks"
[4]. Rural environment: A case study of a crop irrigation system. Wireless communication and cellular. Computing 2018 (2018). www.aetic.theiaer.orgAETiC 2019, Vol. 3, No. 523
[5]. Briones, Alfonso González, et al. "Use gamification technology to promote waste recycling as a smart city approach." An international conference on knowledge management in organizations. Springer, Cham, 2018.
[6]. Christopher, Martin. Logistics & supply chain management. Pearson UK, 2016.
[7]. Dykes, Daniel E., Alexander D. Curry, and Alex X. Frommeyer. "Connected Healthcare System". U.S. patent. No. 9,811,636. 7 Nov. 2017.
[8]. Rawassizadeh, Reza, Blaine A. Price, and Marian Petre. "Wearables: Is the era of smartwatches finally here?" ACM Notice 58.1 (2015): 4547.
[9]. YerayMezquita、RobertoCasado、AlfonsoGonzalez-Briones、JavierPrieto、Juan Manuel Corchado、„ Blockchain
[10]. IoT System Technology: Challenge Review, Annual Report on Emerging Technologies in Computing (AETiC), Printing ISSN: 2516 0281, Online ISSN: 2516-029X, pp. 17-24, Vol. 3, No. 5