

Survey on Blockchain Technology

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Abstract: *The digital world has brought efficiencies, innovative new products and strong relationships with customers worldwide through the effective use of mobile devices, IoT (Internet of Things), social media, analytics, and cloud technologies to generate models for better decisions. Blockchain was recently introduced and revolutionized the digital world by bringing a new perspective on the security, resilience, and efficiency of systems. Although originally popularized by bitcoin, blockchain is much more than oneBase for cryptocurrency. It provides a secure way to share any kind of good, service or transaction. In addition, blockchain offers lower business costs with a trusted contract that is monitored without third-party intervention, which may not add direct value. It enables smart contracts, commitments and agreements with strong, inherent cyber security features. This paper contains a complete description of blockchain technology..*

Keywords: Blockchain, security, cryptocurrency, decentralization.

REFERENCES

- [1]. S. Nakamoto, "Bitcoin: A Peer-to-Peer Electronic Cash System," WwW.Bitcoin.Org,p. 9, 2008.
- [2]. A systematic review of blockchain Min Xu*, Xingtong Chen and Gang Kou, Xu et al.Financial Innovation,2019
- [3]. A Review on Blockchain Technology and Blockchain Projects Fostering Open Science Stephan Leiblel *, Steffen Schlager 1, Moritz Schubotz and Bela Gipp ,2019
- [4]. R. Schollmeier, "A definition of peer-to-peer networking for the classification of peer-to-peer architectures and applications," in Proc. 1st Int. Conf. Peer Peer Comput., Linkoping, Sweden, 2001, pp. 101–102.
- [5]. A. Kosba, A. Miller, E. Shi, Z. Wen, and C. Papamanthou, "Hawk: The blockchain model of cryptography and privacy- preserving smart contracts", Proceedings of IEEE Symposium on Security and Privacy (SP), San Jose, CA, USA, 2016, pp. 839–858.
- [6]. A Survey on Blockchain Technology and its Proposed Solutions Dharmin Davea, Shalin Parikha, Reema Patela, Nishant Doshia *, 2019.
- [7]. Z. Zheng, S. Xie, H.-N. Dai, X. Chen, and H. Wang, "Blockchain challenges and opportunities: A survey," Int. J. Web Grid Services, vol. 14, no. 4, pp. 352–75,2018.
- [8]. Blockchain Technology in Healthcare: A Comprehensive Review and Directions for Future Research Seyednima Khezr *, Md Moniruzzaman, Abdulsalam Yassine and Rachid Benlamri, 2019.
- [9]. I.Ahmed and M.A.Shilpi, "Blockchain technology a literature survey," Int. Res. J. Eng. Technol., vol. 5, no. 10, pp. 1490–1493, Oct. 2018.