ACADEMICIA: An International Multidisciplinary Research Journal

ISSN: 2249-7137 Vol. 11, Issue 12, December 2021 SJIF 2021 = 7.492 A peer reviewed journal

SCOPE OF BLOCKCHAIN: A REVIEW

Arpit Jain*

*Associate Professor,

Department of Computer Science, Faculty of Engineering, Teerthanker Mahaveer University, Moradabad, Uttar Pradesh, INDIA Email id: arpit.computers@tmu.ac.in

DOI: 10.5958/2249-7137.2021.02665.3

ABSTRACT

Blockchain is a new technology that allows for decentralized and value-based information exchange across a large network of untrustworthy participants. It allows for new kinds of circulating programming concepts to be created. Blockchain is a system for meticulously documenting data and transactions. It's an open record made up of requested and time-stamped recordings of trades organized in information pieces that will use cryptographic permission to connect them. Despite the fact that the invention was first accepted mostly in computerized money, it is now a promising innovation in a variety of fields. This paper presents a reorganized prologue to Blockchain innovation. It also discusses how Blockchain technology may be used into certain business models in the retail sector to benefit both customers and merchants. The paper discusses the market shift in Blockchain adoption as well as some of the challenges.

KEYWORDS: Bitcoin, Blockchain, Cryptocurrency, Ethereum, Hash, Litecoin.

REFERENCES

- 1. "History of Blockchain." https://www.icaew.com/technical/technology/Blockchain/Blockchain-articles/what-is Blockchain/history (accessed Sep. 24, 2018).
- 2. "Gartner Says Worldwide Business Intelligence and Analytics Market to Reach \$16.9 Billion in 2016." https://www.gartner.com/en/newsroom/press-releases/2016-02-03-gartner-says-worldwide-business-intelligence-and-analytics-market-to-reach-17-billion-in-2016 (accessed Sep. 10, 2018).
- **3.** L. Carlozo, "What is Blockchain? Here is a primer on the potentially transformative digital ledger technology," J. Account., 2017.
- **4.** Z. Hong, Z. Wang, W. Cai, and V. C. M. Leung, "Blockchain-empowered fair computational resource sharing system in the D2D network," Futur. Internet, 2017, doi: 10.3390/fi9040085.
- **5.** R. Anascavage and N. Davis, "Blockchain Technology: A Literature Review," SSRN Electron. J., 2018, doi: 10.2139/ssrn.3173406.
- **6.** S. K. Johansen, "A Comprehensive Literature Review on the Blockchain Technology as a Technological Enabler for Innovation," Res. Gate, 2018.

ACADEMICIA: An International Multidisciplinary Research Journal

ISSN: 2249-7137 Vol. 11, Issue 12, December 2021 SJIF 2021 = 7.492 A peer reviewed journal

- **7.** S. Pawar, A. Saraf, S. Parade, and S. Sharma, "Review on Blockchain Technology," Int. J. Comput. Appl., 2018, doi: 10.5120/ijca2018918288.
- **8.** "FinTech Blockchain Market by Provider." https://www.marketsandmarkets.com/Market-Reports/fintech-Blockchain-market-38566589.html (accessed Sep. 24, 2018).
- **9.** A. Chakrabarti, A. K. Chaudhuri, and W. Bengal, "Blockchain and its Scope in Retail," Int. Res. J. Eng. Technol., 2017.
- **10.** A. Ramachandran and M. Kantarcioglu, "Smartprovenance: A distributed, Blockchain based data provenance system," 2018, doi: 10.1145/3176258.3176333.