

Blockchain Technology Overview: Architecture, Consensus, and Future Trends

Vivek Prasad¹ and Shradha Singh²

Assistant Professor, BSC IT, Suman Education Society's LN College, Borivali East, Mumbai, India¹

Student, BSC IT, Suman Education Society's LN College, Borivali East, Mumbai, India²

Abstract: *Blockchain, the backbone of Bitcoin, has lately gained a lot of attention. Blockchain acts as an inflexible tally, allowing deals to take place in a decentralised manner. Blockchain- grounded operations are arising in a variety of diligence, including fiscal services, character systems, and the Internet of effects (IoT), among others. still, numerous hurdles of blockchain technology, including as scalability and security issues, have to be answered. This paper provides an in- depth look of blockchain technology. First, we present an explanation of blockchain armature before comparing colourful common agreement ways utilised in different blockchains. In addition, technological hurdles and recent advancements are compactly bandied. We also bandy implicit blockchain future trends.*

Keywords: Blockchain, decentralization, consensus, scalability.

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