

# Block Chain Technology: Applications, Challenges, and Future Directions

**Prachi Yadav**

Institute of Distance and Open Learning, Mumbai, Maharashtra, India

**Abstract:** *Block chain technology has gained significant attention in recent years due to its potential to revolutionize various industries. This research paper explores the applications, challenges, and future directions of Block chain technology. It provides an overview of Block chain fundamentals, examines its real-world applications across different sectors, discusses the challenges and limitations associated with Block chain implementation, and explores future directions with a specific example*

**Keywords:** Block chain

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