

Applying Blockchain on Government Examination: A Study on Blockchain Technology, Benefits, and challenges

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Abstract: *The primary objective of this paper is to provide a blockchain-based framework for conducting and evaluating Government examinations. To perform the test as transparently as possible, we store the hash code of every question asked and answered directly on the Blockchain Network. This facilitates tracking how exactly a candidate received the score he or she received, adding more credibility & transparency to the obtained score. Most of the work in educational institutions is based on technology like blockchain, it can transform into a simplified, paperless manner. The advanced security mechanism of blockchain will ensure that the system can be immune to hacking. Data can not be manipulated with any other entity apart from the node owners.*

Keywords: Blockchain in Education; blockchain applications; educational technology; decentralized systems