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SECURE MEDICAL TRANSCRIPTION

USING BLOCKCHAIN

**REVIEW – I**

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**ABSTRACT**

Blockchain is a shared, immutable ledger that facilitates the process of recording transactions and tracking assets in a business network. Blockchains are distributed digital ledgers of cryptographically signed transactions that are grouped into blocks. Blockchain are used to create secure transaction. Medical transcription (MT) is the manual processing of voice reports dictated by physicians and other healthcare professionals into text format. Often it is done by a third-party organization. Whenever medical data leaves the hospital, the medical data is at risk of confidentiality breach.

Blockchain can be used to securely store the medical records over the distributed network. These medical records will not be accessed by anyone but who have been granted access. The medical record can be accessed using a unique credential ID.

Web application is developed using HTML, CSS. Medical Transcription process is automated using Python and Speech API and deployed using Flask. Then Blockchain securely stores the medical record, which is built using Python and Solidity.