20MCA245 MINI PROJECT

APPROVAL BY GUIDE

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Project Title: Blockchain Voting System

**Abstract**

Electronic voting (e-voting) is a symbol of modern democracy activities. Due to the high ballot privacy and verifiability, e-voting system has been booming in the recent years. Particularly, Bitcoin, a digital currency system based on the cryptography, is highly open and transparent for the individual transaction. In other words, anyone can access to the transaction contents via blockchain. Besides, regarding to anonymous way it trades, the transaction of Bitcoin is untraceable.

On account of the pseudonymous of Bitcoin address and the openness of the blockchain, which is consistent with part of e-voting requirement. This paper proposed an e-voting protocol based on blockchain by using the ring signature algorithm. The requirements can be satisfied with ballot-privacy, individual verifiability, eligibility, completeness, uniqueness and robustness.

Signature of student:

Any remarks of guide:

Name and signature of guide with date: