
BLOCKCERT

Blockchain based Certificate
Validation

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PROBLEM STATEMENT

Storing the school/university board certificates is a recurring process. For the Organizations, verifying the authenticity of the certificates is tedious and cumbersome. There are a lot of fake academic certificates too.

PROPOSED SOLUTION

- The proposed solution will help the institutions to store the certificates in a decentralized way using the blockchain system and give access to any organizations or institution with the consent of the individual using multisign.
- In order to issue a certificate the certificate issuing authority generates a valid certificate.
- The hash of the certificate is then signed by the issuer, the recipient and the intermediaries(school, college,etc.)using their private keys. This will ensure the generation of a genuine certificate.
- In order to ensure confidentiality, the signed certificate is then encrypted using the recipient's public key.

TECHNOLOGY STACK

- Ethereum Blockchain
- Multisig
- Smart Contract
- User Interface (HTML, CSS, JavaScript, MySQL, PHP)

THANK YOU!