



By



BChain Dynamics

Connect • Learn • Grow

Secure Authenticated Knowledge of Succinct With Hybrid Access.

साक्ष्य (SAKSHYA)

Authenticity is Evidence

Team: GenesisX

Members: Gaurav, Rakesh Birda

Mentor: Pawan

Guide: Nirav, Samhita

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Abstract

The idea is to provide an online platform to the end user (students) which are providing them a cross inter connection between the different organizations, individuals on the behalf of organizations for document verification from their respective institution or organization in which they were last active.

Project Description

This platform will be based on a **public blockchain**. And provide document authentication to individuals and organizations depending on their application and requirement.

This application will be developed under various phases.

In the first phase, we'll include only educational institutes(**educational Boards not schools**).

Which will authenticate students on the basis of their document. whether it will be a certificate, mark sheet, or institutional identity.

Let us take an example here for a better understanding.

When a student passes from their school and starts participating to join college they have to submit documents related to their previous education with other details like certification, mark sheet, school leaving certificate and provisional certificate, etc. so in order to fulfill this requirement. Instead of using conventional processes, we can use this hi-tech one.

In this process, both organizations have to be part of this network/ platform. While taking admission to the college instead of submitting various no of documents , only one unique identity will need to be shared with the corresponding institute and the whole validation process will be performed by this platform using a smart contract. and initializes their further process of joining that particular institute. **It will be a P2P hybrid Network platform.**

Tools/Technologies To Be Used

Platform = Ethereum

Tool = Metamask, VScode, firebase, truffle, web3.js

Frontend = HTML, CSS, JavaScript and Bootstrap

Architecture = P2P Hybrid Network.

Advantages

1. Less time taken than conventional process.
2. Cost efficient
3. Genuine authentication
4. Tamper proof authenticated data.

Features/Functionalities

- 1) Online Genuine authentication process.
- 2) Tamper proof authenticated data.
- 3) Used for future uses and references.