

PRANVEER SINGH INSTITUTE OF TECHNOLOGY

Mini Project Proposal

Team Id:

Team Details:

S No	Full Name	Roll No	Branch & Section	Mob No
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Project Title:

DocLock - Documentation Locker using Blockchain

Domain: (Select all relevant Options)

<input checked="" type="checkbox"/> 1. Software-Web Application	2. Software-Mobile Application
3. Artificial Intelligence/Machine Learning/Deep Learning	4. Computer Vision/ImageProcessing
<input checked="" type="checkbox"/> 5. Blockchain	6. Internet of Things
7. Natural Language Processing	8. Big Data / Cloud Computing
9. Others (Specify if any):	

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Problem Statement:

In today's era of digital age, the **storage and sharing of documents** has become an important part in professional life. As individuals, businesses and organizations use **online platforms services to manage and exchange sensitive documents**, the **security** of these documents has become a **main concern which we can't avoid**. There are several **critical problem of online document security like phishing, inadequate encryption, third-party vulnerabilities**, scalability challenges etc. The main concern is to look for applications that can safely store these documents and maintain privacy of these documents.

Proposed Solution:

To address the problem of online document security, we **propose the development of a comprehensive document security platform using blockchain technology**. This platform will offer a range of features and benefits to enhance the security, integrity, and accessibility of digital documents. Our platform will provide Blockchain-based document storage, access control and permission management, Ethereum , end-to-end encryption, 2FA, user education and training, scalability and integration etc.

Unique/Distinctive feature of the solution:

1. The uniqueness of our document security platform lies in its ability to combine several innovative features and advantages that makes it unique. Some unique aspects of our platform is **immutable data integrity, decentralization, enhanced access control, transparency and audit ability, security tokens and incentives**, cross-platform compatibility, **immutable identity verification**, global accessibility, user empowerment etc.
2. There are many such products available in the market but our solution aims towards being compatible with personal student related documents and also intra-organizational communication.

Tools/Technology Uses:

Hardware Requirements:

- In-Built system cameras
- 4GB RAM Required(Minimum)
- Secondary Memory 256GB or Higher
- Processor Based on i3 or Higher

Software Requirements:

- Visual Studio Code
- Ethereum Blockchain(Ganache)
- Hosting Platform(NodeJs)
- Database Management System(MongoDB)

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(To be Filled by Faculty/Evaluator)

Proposal Evaluation:

1. Right Identification of the Problem (Appropriate selection of the problem)?
a) Excellent b) Good c) Needs Improvement d) Unacceptable
2. Relevance of the Solution (Adequately addressing the problem/need)?
a) Excellent b) Good c) Needs Improvement d) Unacceptable
3. Innovativeness in the Solution (Distinctive innovative components/features of the solution)?
a) Excellent b) Good c) Needs Improvement d) Unacceptable
4. Uniqueness of the Solution (Intellectual Property Component)?
a) Excellent b) Good c) Needs Improvement d) Unacceptable

Improvements/ Suggestions by the Evaluator:

1.
2.
3.
4.

Name of Faculty:

Designation:

Signature with Date:

Guidelines:

- One Proposal per team will be submitted by the team leader only.
- A Team can have maximum 5 Members.
- Upload the document in .doc or .pdf format with font size 12, single spacing, Times New Roman font only.