

# **MEDIBLOCK– A Medical Record Management Platform using Blockchain**

**Project 32\_Cohort 4**

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# AGENDA

## Problem statement

India's Three-Tier Healthcare System is -

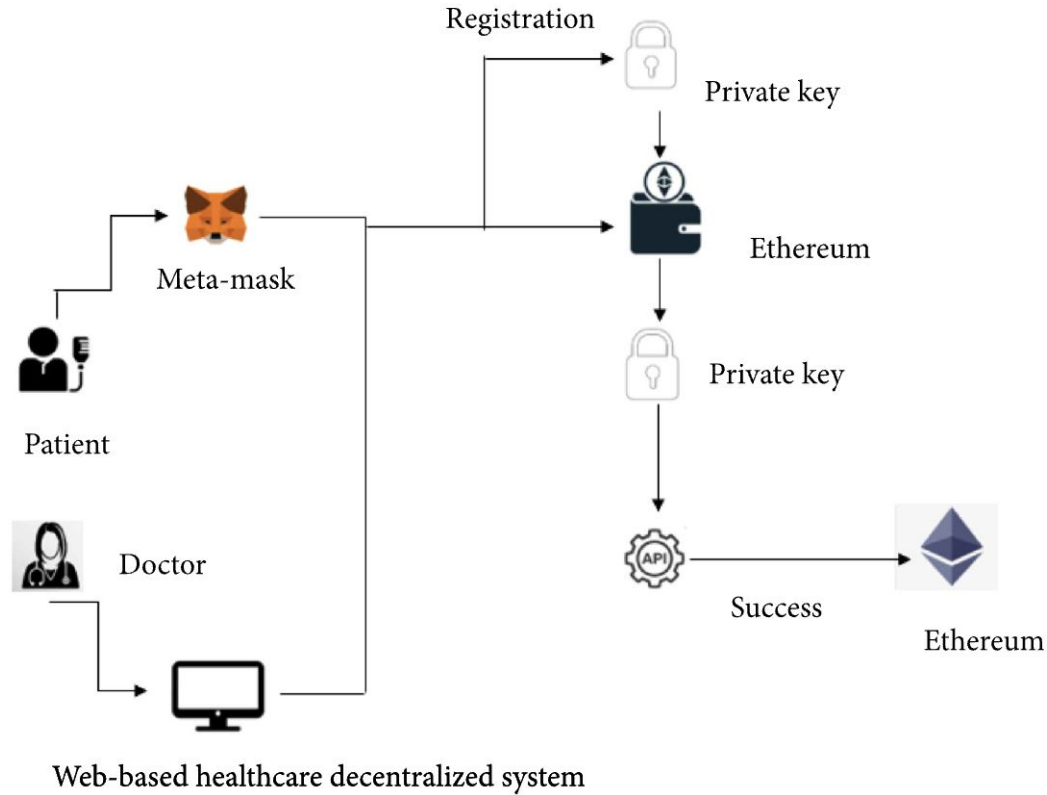
- a) Highly centralized and unorganized
- b) Depends on paper-based documentation
- c) Sensitive medical data sold to unauthorised parties

# AGENDA

## Proposed solution

- a) A secure & decentralized medical record management platform using Blockchain
- b) Secure storage of EHR on blockchain by defining granular access rules for the users
- c) No one without access can see the data unless permission is granted

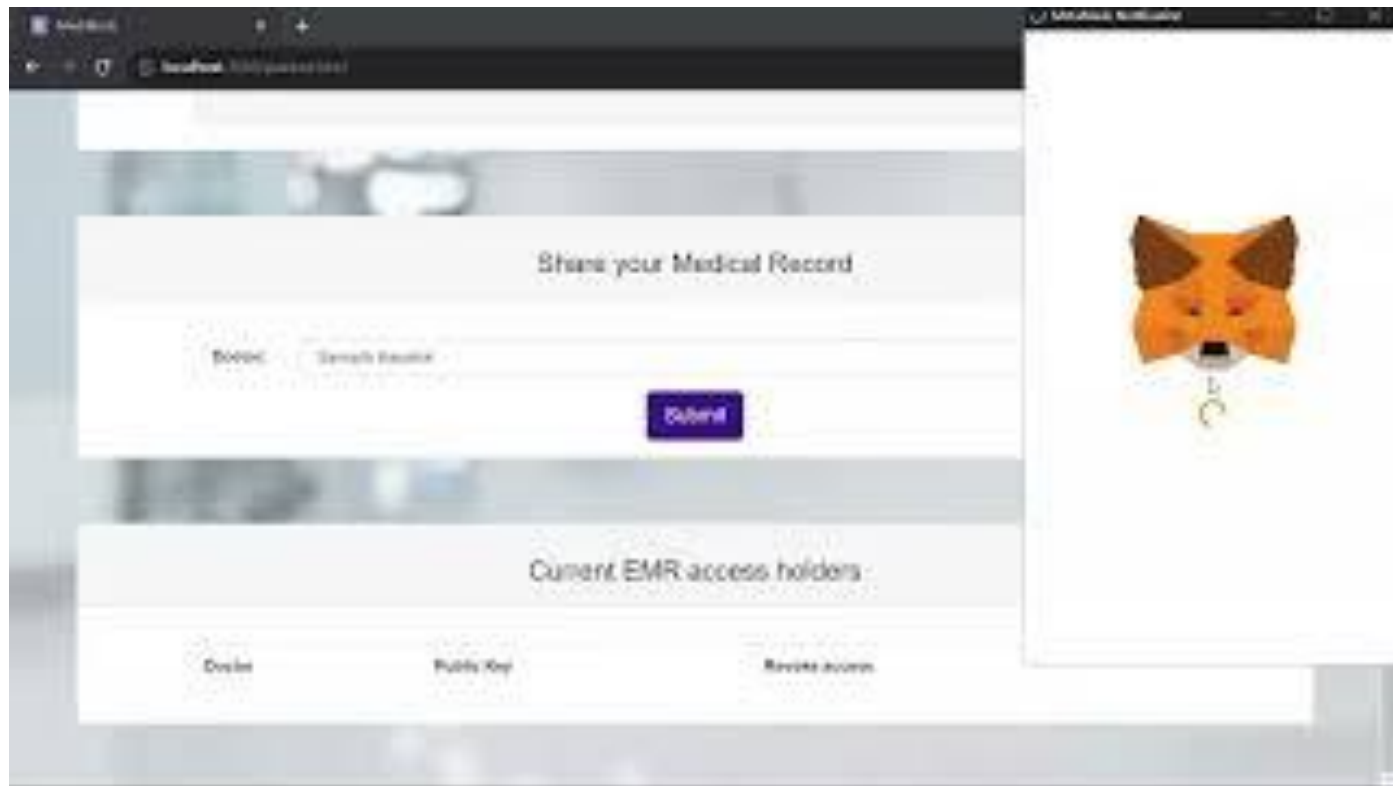
# WORKFLOW



# TOOLS AND TECH STACKS

1.  Metamask
2.  Ganache
3.  Solidity
4.  IPFS
5.  JavaScript
6.  HTML
7.  CSS

# DEMO VIDEO



# CHALLENGES

1. Integrating frontend with backend
2. Distributed team time management
3. Large database testing
4. Handling system compatibility and backend issues

# LEARNINGS

1. New tech stacks like Solidity and JavaScript
2. Role of blockchain in information security
3. Importance of EHR and data security
4. Improved time management and teamwork skills



# **FUTURE SCOPE**

1. Chatbot integration
2. Mobile app integration
3. Allowing patient to upload previous medical records
4. Cross-hospital data sharing

# **BENEFITS/USP**

1. No need to carry any medical reports
2. Information is now secure, immutable & transparent
3. The patient is in control of their medical data
4. Healthcare industry can save up to \$100-\$150 billion/year by adopting blockchain

# CONCLUSION

1. Secure & transparent data storage (Blockchain-based Solution)
2. Scope of future expansion
3. Valuable learnings in technical skills & healthcare data management
4. Transforming India's Healthcare System

# METHODOLOGY

1. Tracking & maintaining the progress in a doc
2. Weekly meet-ups with our mentor, Ravisha
  - a. Discussions about weekly targets & blockers
  - b. Deciding next week targets
  - c. Documenting the minutes of the meeting
3. Exploring the right resources with our mentor

**THANK YOU**