Define Problem /Problem Understanding

Specify The Business Problem

Team Id	NM2023TMID04415
Project Name	Block chain Technology For Electronic Health Records

Electronic Health Records:

- Block chain shows promise to help EHR unify its standards, increase interoperability, and protect patient privacy. However, there are challenges to overcome with block chain data access and sharing technology.

- The first challenge is in block chain inefficiency**.**

Challenges of Block chain in Healthcare:

- Lack of Technical Knowledge. ...

- Lack of Paperless Method Adoption. ...

- Lack of Government Involvement. ...

- Lack of Cost Reduction. ...

- Lack of Privacy. ...
- Lack of Incentive. ...
- Lack of Cryptocurrency Acceptance. ...
- Lack of Central Healthcare. **Problems With Block chain Technology:**

Block chain networks can be slow and inefficient due to the high computational requirements needed to validate transactions. As the number of users, transactions, and applications increases, the ability of block chain networks to process and validate them in a timely way becomes strained.

General Block chain Risk:

- Block chain Protocols Are Hard to Integrate. Block chain is a new technology. ...
- Lack of Standardization. ...
- Poor Valuation of Cryptocurrencies. ...
- Underdeveloped Standards. ...
- High Energy Demand. ...
- Data Privacy Legislation

- Trusting Block chain Managers and Developers. ...
- The Users' Role.

Block chain With a Sequence of Blocks:

Due to the decentralization of data management, each node can have a complete copy of the block chain such that all data access is completely transparent to every node in the block chain, making it impossible to furtively tamper with data without knowledge of the other nodes.

Privacy and security of block chain means encrypting the data stored in the block with hash functions, such as the SHA-256 encryption algorithm. Cryptographic hashes are powerful one-way functions, and it is exceedingly difficult to reverse the plain text from the hash value, protecting block chain from any third-party interference.