

Define Problem / Problem Understanding

Business Requirements

Team ID	NM2023TMID04427
Project Name	Project - Tracking Public Infrastructure And Toll Payments Using Blockchain

Hardware Requirements For Blockchain Development :

These nodes require powerful hardware to perform complex cryptographic operations and maintain the integrity of the blockchain. The hardware requirements for blockchain technology include high-performance processors, sufficient memory, fast and reliable storage, and robust network connectivity.

Core Requirements For A Business Blockchain :

What are the core requirements for a Business Blockchain? A business blockchain requires a shared ledger, smart contract functionality, privacy and trust.

Technical Requirements For Blockchain Technology :

Strong programming skills in at least one popular language, such as Java or Python. Knowledge of cryptography and data structures (like linked lists and arrays). Good understanding of networking concepts (like TCP/IP and DNS) and how it works.

Infrastructure Is Required For Mining In Blockchain :

At least one specialized computer (called an Application-specific Integrated Circuit or ASIC miner) designed to compete for and support a particular cryptocurrency. A reliable and inexpensive energy supply. A dependable internet connection. A cooling infrastructure (whether you're mining at home or on a Bitcoin farm).

Minimum Requirements For Mining Ethereum :

Ensure that your system's motherboard has a sufficient amount of RAM, 8 or 16 GB, and at least 256 GB of storage. Ethereum mining needs a minimum runtime memory of 4GB per GPU to perform optimally.

Mining Is Required In Blockchain :

A peer-to-peer computer process, Blockchain mining is used to secure and verify bitcoin transactions. Mining involves Blockchain miners who add bitcoin transaction data to Bitcoin's global public ledger of past transactions.



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Open Source – The Foundation of the Blockchain

