

Interaction With Frontend

Interact With The Frontend For All Functionalities

Team ID	NM2023TMID04427
Project Name	Project – Tracking Public Infrastructure And Toll Payment Using Blockchain

Blockchain Used To Monitor Payments Transactions :

Once validated and encrypted with a hash function, blockchain data is stored in timestamped blocks linked in chronological order. The blocks form a distributed ledger that serves as a single source of truth to trace payments-related activities and prove the identity of blockchain users.

Blockchain Are Used In The Payment System :

The blockchain can be defined as a large distributed database, in which it is possible to record transactions of all kinds between the parties directly and securely and in real time, without the need for intermediaries and with total traceability.

Blockchain And Tracking Systems Benefit Enterprise Value :

Blockchain increases trust, security, transparency, and the traceability of data shared across a business network — and delivers cost savings with new efficiencies.

Infrastructure Of The Blockchain :

Blockchain infrastructure can refer to the underlying system that enables the functioning of a blockchain network, including hardware, software, and network components that work together to ensure the smooth operation of the blockchain.

Track Transaction In Blockchain :

Bitcoin's blockchain can be accessed at <https://blockchain.info/>. Here, you'll be able to enter your Bitcoin TxID, or your exchange or wallet address, to track your transactions. You will see a summary of information about the transaction, including the number of confirmations it has.

Blockchain Tracking :



Blockchain is a system that tracks activities permanently in a shared database. The transactions are public to those in the network, and no one can edit them. Whenever a transaction occurs, pertinent information is documented onto a block.

Benefits Of Blockchain Technology In Financial Sector :



- Costs Reduced. One Of The Benefits Of Blockchain For Banks Is Reduced Costs.
- Faster Transactions. ...
- Improved Security. ...
- Improved Data Quality. ...
- Digital Currencies. ...
- Accountability. ...
- Compliance. ...
- Reduced Error Handling & Reconciliation.

Blockchain Track Assets :

Every transaction on the blockchain is confirmed by several network nodes, which increases security and lowers the possibility of fraud. The blockchain also enables real-time asset tracking, which can improve supply chain management and lower the possibility of lost or stolen products.

Blockchain In TCS :

TCS' Integrated Blockchain offerings enables financial firms to explore and exploit blockchain potential. The offering is based on a set of core guiding principles, with a 'reference' implementation.

Banks Are Using Blockchain Technology In India :

JPMorgan has joined forces with six Indian banks to test the potential of blockchain technology to provide 24/7 settlement services for Indian FIs. The Indian banks include HDFC, ICICI, Axis Bank, Yes Bank, and IndusInd Bank.

Tata Consultancy Services Limited :

TCS is a well-known IT corporation in India and one of the world's most valued IT services companies. The firm provides mobile apps, enterprise apps, the Internet of Things, blockchain, cloud solutions, automation, artificial intelligence, and many more services.