Experiment. No. 13

Title: Installation of metamask and study spending Ether per transaction.

objective: To learn new technology such as metamasks. Its application and implementations.

Theory:

introduction to Blockchain:

Blockchain can be described as a data structure that holds transactional records and while ensuring security, transperancy and decentralization. You can also think of it as a chain or records stored in the forms of blocks.

A blockchain is a distributed ledger that is completely open to any and everyone on the network once a information is stored on a blockchain, it is extremely difficult to change or alter it

Each transaction on a blockchain is secured with a digital signature that proves its authencity. The data stored on the blockchain is tamper-proof and cannot be changed.

It allows all network participants to reach an agreeme -nt, commonly known as consensus. All data stored on a blockchain is recorded digitally and has commonly history which is available for all the network participants.

The following features make the revolutionary technology of blockchain standout:

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Decentralized: Blockchains are decentralized in maning that no single person or group holds authority of the overall network while everybod in the network has the copy of the distributed with them, no one can modify it on his or her of the peer Network: Blockchain uses P2P Protocol which allows all the network participants to hold identical copy of transactions, enabling approvationagh a machine consensus.

Immutable: the immutability property of a blockchair refers to a fact that any data once written on the blockchain cannot be changed once you send an email to a bunch of people, you cannot be it back, this is how immutability work; Tamper-proof: Blockchains are considered tamper-producted and addressed smoothly, There are two key ways of detecting tampering namely, hashes blocks.

Benefits of Blockchain Technology:

Time saving: No central Authority verification new for settlements making the process faster & cheat cost saving: It reduces expenses in several ways.

ways.

Tighter security: No one can tamper with Blockel Data as it is shared among.

How to use metastanda Mask

metamask is one of the most popular browser extensions that serves as a way of storing your Ethereum and other ERC-20 Tokens. The extension is free and secure, allowing web applications to read and interact with Ethereum's blockchain.

step 1. Install metamask on your browser.

click on Install metamask as a Google chrome extension click add to chrome click add Extension

step 2: create an account

step 3: Depositing funds click on view account.

You can now access your list of assests in the Assests tab & view your transaction history in the Activity tab.

what advantages does metamask have:

Popular - It is commonly used so users only need one plygin to access a wide range of dapps. simple - Instead of managing private keys, users just need to remember a list of words, and transactions are signed on their behalf. saves space - Users don't have to download the Ethereum blockchain, as metamask sends request to nodes outside of the user's computer.

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