

Crypto Transaction using Blockchain

PROJECT I (4IT31)



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Introduction

Since the modernization in Bitcoin, a digital cryptocurrency, in 2008, Blockchain technology has situated itself in the focal point of interest among a diverse range of researchers and practitioners. In our project, we can connect our Ethereum Wallet using meta-mask. It will allow users to send transaction through the blockchain.

Objective

The blockchain is an element technology used, most notably, in the cryptocurrency trading. In our project we have used Web 3.0 which is the latest internet technology that helpful in blockchain to achieve real-world human communication and for transactions we have used Solidity

Blockchain

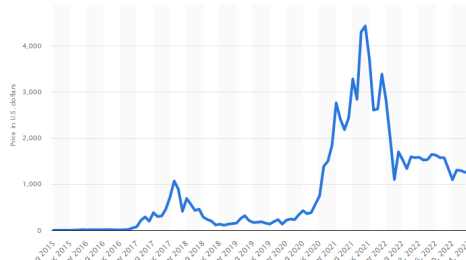
Blockchain is a series of immutable blocks placed in chronological order of their mining. Blocks are packages of data whose value after mining can't be changed. All the blocks are chained together with help of Cryptography Hash Function.

Solidity

Solidity is a statically typed, contract-oriented, high-level language for implementing smart contracts on the Ethereum platform. Smart contracts are programs that are executed inside a peer-to-peer network where nobody has special authority over the execution.

Ethereum

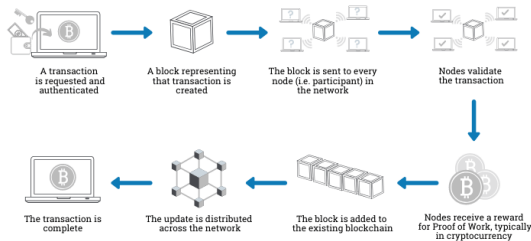
Ethereum whitepaper was proposed by Vitalik Buterin, at the age of 19 to make Ethereum scripting language Turing complete. Vitalik believed that Bitcoin as a form of digital money is great but its scripting language is too weak. Ethereum network provides a framework for creating and storing the blockchain. Each block is created and its details are stored in an encrypted ledger.



Meta-mask

Meta-Mask may be a crypto wallet that can be utilized in a web browser and on portable gadgets to connected with the Ethereum blockchain. Meta-mask allows blockchain users to manage their wallets. Using the browser extension, users can use the wallet and perform transactions through the browser

How does a transaction get into the blockchain?



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