

Cryptocurrency

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CRYPTO

Any type of traded currency in digital form is called crypto.
Digital or virtual money which is not available physically and it is very secure

NFTs: it is a way to represent anything unique as an ETH based asset. It is giving more power to content creator than ever before. It is powered by smart contract on the ETH blockchain

DeFi

Utility token

Store of value token

Purpose of crypto is to reduce the risk involved in traditional currency. It helps in solving real world problems

In crypto the [power and the responsibility are in the hands of currency holder

How crypto is made?

Mining is an algorithm. It is the process of adding transaction to the blockchain ledger via nodes on the network with the proof of system.

Note: not all crypto are made by mining, some are created using various techniques such as tokens.

Platforms : Finance and Coinbase which can convert physical cash in digital money

Highly secure but Volatility is very high.

Return are massive and everything is instant you can buy and sell when there is fluctuation in the market. There is a cold wallet storage option where we can control our own private key. This key helps us to access our coin in blockchain

Problems with crypto:

- High volatile
- Lack of regulations
- Fear about hacking and scam due to digitalization
- Crypto not legal
- Some banks supports crypto and other doesn't because they are against the decentralization

Drawback of crypto's:

- Security
- Lots of people with less experience with result in losses.
- Technicality difficulties such as network issues.

SCAMS:

- FAKES ICO
- Social media scam
- Fraudulent exchange
- Imposter websites
- Scamming emails

Can bitcoin crash:

Yes and maybe

In crypto gains are high then losses/ crypto like biotic, reducing to 0 is nearly impossible.

Why we should not use bitcoin?

- High volatility
- Lack of experience and knowledge
- Unregulated spaces

NOTE: We should analysis the performance of any currency before buying it.

Aristotle's sound money:

- Durable
- Transferable
- Divisible

Father of concept of currency

6 properties of sound money:

- Durable
- Transferable
- Divisible
- Scarce
- Recognisable
- Fungible

Father of Bitcoin: Satoshi Nakamoto

BitcoinTalk: board in 2009 which released bitcoin in air and

Blockchain: distributed database that is shared among the nodes of a computer network.

It is shared, immutable ledger that facilitates the process of recording transaction and tracking asset in business network. An asset can be tangible or intangible. Virtually anything of value can be tracked and traded on blockchain network reducing risk and cutting cost of all network

Transaction are record in block. Each block contains signature of previous block, linking them together in a chain. As transaction get administered in totally decentralised way, we see the rise of a new way to store an exchange information not unlike that on a new internet.

Mining: Miners compute by trying to find non res that generates a signature that falls before the current difficulty target, this is computationally expensive but financially lucrative s miners get rewarded in bitcoin. This has led to the rise of mining operation where electricity is cheap to power and cool servers farms as well as specialised mining equipment.

Implications of crypto:

- As public distrust of our financial institution, finally increases so does the demand for a more open credit system
- Banks exploits us by charging deposit and withdrawal fees, card fees, foreign fees, lost card fees, ATM fees, account closing fees,
- Theses thieves of economic justice steal as money as they store. Crypto has no middle man to transaction tolls. There has never been a cheaper and faster channel to send and receive funds.

2Billions people have no bank account, crypto could change their life

Large amount of unbank lives in developing nation where their capital is unprotected. These people live in opposite regimes that manipulates local currency through taxation and inflation.

Bank Secrecy act : regulated Crypto in USA.

Anti Money Laundering:

BTC : 2009

Black coin: 2014

DashCoin : 2015

DogeCoin: 2013

LiteCoin: 2011

NameCoin: 2011

NXT: 2013

PeerCoin: 2012

PrimeCoin: 2013

Ripple: 2013

Crypto wallet: it is a sure digital wallet used to store, send, receive digital currency. Most coins have an official have wallet or few officially recommended third party wallets.