

Group :4

Crypto Currency: A bright future or just a fad?

Prachi giri : Good afternoon everyone for today's GD we will be discoursing on the topic Crypto Currency: A bright future or just a fad? so let us first know what crypto currency is "Crypto currency is a form of digital asset based on decentralised network which works on a block chain technology secured by cryptography..

Pushpraj : I would like to add more about crypto that crypto currency is a digital currency that can be used to buy goods and service but uses an online ledger with strong cryptography to secure online transactions.

A cryptocurrency is a form of digital asset based on a network that is distributed across a large number of computers and this decentralized structure allows them to exist outside the control of governments and central authorities.

- **Raghav ::** Exactly and I believe ,Cryptocurrency is a modern day phenomenon in how goods and services are exchanged. In fact, it is a form of payment that is making a massive impact on how countries across the world conceive their currency.
- **Pranjal :** Very well said Raghav , and bitcoin is the most widely supported crypto currency among the exchange wallets and payment companies .The leading crypto currencies are etherium , bitcoin ,litecoin , bitcoin, binance coin.

Ethereum is a blockchain-based software platform for creating and using smart contracts and distributed apps; the cryptocurrency Ether was created for it.

Prachi sataw : Indeed , and I would like to put forward a point that bitcoin is most widely supported cryptocurrency among exchanges wallets and payment companies. However In India overlast sixmonths million of new investors joined the cryptowave.

Prathmesh : But Prachi it is *A highly volatile in nature, huge price change over a short period, of crypto poses a serious question to consider it as a future currency.*

- **Raghav :** But if you look for the positive side of it *The mechanism behind crypto generation is highly complex which prevents duplication or creation of fake currency.*

Prajval : and, the way the cryptocurrency craze is going. Investing in it has also become easy. In very little time and with very little work process, you can invest safely. And also people are investing in non-fungible tokens.

Prabha : And yes, just like bitcoin ethereum comes in crypto currency. Similarly non-fungible tokens are also a part of crypto currency. A non-fungible token is a unit of data stored on a digital ledger, called a blockchain, that certifies a digital asset to be unique and therefore not interchangeable.

Ragini: but keeping all this thing aside the history of crypto currency is not even that clear.

- **Pushpraj:** I completely disagree with what u said The history of crypto currency reaches as far back as 1983s And In 2009 , Satoshi Nakamoto a Japanese entity published a widely circulated whitepaper on the potential of cryptocurrency "BITCOIN" and also conducted the first transaction.
- **Pranjal :** However, in my experience.. *Cases of online hacking of crypto exchanges such as Mt. Gox in Japan, Bitfloormake etc. make it more risky.*

Pushpraj: See What ever is on the Internet can be hacked the only secure way is to shut down your computer and go to that particular person and handover the money to him.

Rahil : Indeed and with time everything are getting secured slowly as we see Bitcoin used SHA-256, a cryptographic hash function, in its proof-of-work scheme. In April 2011, Namecoin was created as an attempt at forming a decentralized DNS, which would make internet censorship very difficult. Soon after, in October 2011, Litecoin was released. It used scrypt as its hash function instead of SHA-256. Another notable cryptocurrency, Peercoin, used a proof-ofwork/proof-of-stake hybrid.

- **Pranjal :** I think so too and actually He also invented the "Block chain" database whereby Bit coin and other crypto currency platforms business and house information.

And his field was Digital currencies, cryptography.

Prajval : Exactly , and I would like to add that block chain is chain of block which contain specific information but in a secure and genuine way that is grouped in a network . In other words blockchain is a combination of computers linked to each other instead of a central secure , means that the whole network is decentralised.

Pushpraj : and what Prajval said also make us think of block chain technique Blockchain technology can be used to create a permanent, public, transparent ledger system for compiling data on sales, tracking digital use and payments to content creators, such as wireless users or musicians.

- **Prachi Giri:** Well, the way I see it is that the Blockchain technique is good for all the other things except for payments because *Crypto transactions are irreversible in nature. Funds sent to a wrong address cannot be traced back and result in loss of all the transferred money.*

- **Raghav:** And even keeping all this thing aside it has a lot of things which are hard to understand In crypto that how it works ,when to invest ,when to sell our crypto who are controlling them and tons of other things?
- **Prachi sataw:** I believe that's not true Raghav just go to google and it will not take more than half hour to understand the entire mechanism of how crypto work and just let me do it for you quickly the major components of block chain are:

Node ,transaction , Block , chain , Miners , Consensus. And Miners can be defined as accountants who records every transactions to the blockchain and consensus the consensus is **an agreement to validate the correctness of blockchain transactions.**

Prachi Giri: What u just said about miners I want add something about mining that Mining cryptocurrencies require a lot of computational power and electricity input, making it highly energy-intensive. The biggest culprit in this is Bitcoin. Mining Bitcoin requires advanced computers and a lot of energy. It cannot be done on ordinary computers. Major Bitcoin miners are in countries like China that use coal to produce electricity. This has increased China's carbon footprint tremendously

Pranjal : But as we look at the positive side of it *The fee for crypto transactions is relatively low as compared to other digital transactions such as credit cards and other modes and much much faster if we compare them with the international transcations.*

Rahil : And there are lot of crypto currency in market **more than 4,000 crypto** in existence as of January 2021. While many of these cryptos have little to no following or trading volume, some enjoy immense popularity among dedicated communities of hackers and investors **Myth:They are designed to be used and invested in by people who have knowledge of technology**

Ragini : I want to add a bit more information about the onging market price of some popular crypto currency.

1 Bitcoin - US\$47,514

1 Ethereum - US\$3.281

1 Dogecoin - US\$0.3371

Raghav But what we will do if the government declaire it illegal remember that in April 2018 RBI had banned banks from supporting crypto-transaction after cases of fraud through virtual currencies were reported .

Prabha : but, the supreme court had struck down the ban in march 2020 among the reason cited was that crypto currencies were not illegal through unregulated in India .

Prajval : and Finally in 1st June 2021 the Reserve Bank of India issued a classification around bitcoin and cryptocurrency trading informing banks that they cannot warn customer against trading using an old order .

Ragini : Exactly and our country's Finance Minister, Nirmala Sitharaman told that India's crypto bill is ready and the government has taken inputs from industry stakeholders to prepare the document.

Rahil : Very well said and if we talk about banning or declaring illegal crypto as Raghav said however many governments are increasingly willing to adopt them as cryptocurrencies creating a business within their jurisdiction and, once regulated, become taxable.

Multinational organisations such as Amazon (via Purse.io), Microsoft, Dell, Expedia, Twitch and Fiverr accept Bitcoin as legal tender.

Prachi sataw: But , All cryptocurrencies have a finite supply and all the speed at which they can be increased is uncertain and not controllable by anyone, and are not even trust worthy as if the controlling authority can make any changes as they desire.

- **Prathmesh** : As far as I know, it doesn't make any sense to me... Governance and maintenance of any currency is a major factor for its development. The cryptocurrency transactions are stored by developers/miners on their hardware, and they get the transaction fee as a reward for doing so. Since the miners are getting paid for it, they keep transaction records accurate and up-to-date, keeping the integrity of the cryptocurrency and the records decentralized.

Raghav : It is not uncommon for the crypto currencies to quickly drop by hundreds ,if not thousands of dollar and about Bitcoin is still incredibly volatile . For this reason, there will only ever be 21 million bitcoins ever produced. On average, these bitcoins are introduced to the Bitcoin supply at a fixed rate of one block every ten minutes. In addition, the number of bitcoins released in each of these aforementioned blocks is reduced by 50% every four years.

Prachi giri: I agree however RBI suggested that both banks and crypto platforms need to make sure that these transactions are not used for fraudulent and tax evasion it has asked the banks to carry out necessary customer due diligence process..

Prathmesh: yes I support this point and according to RBI this process must also assist regulations governing standards of KYC, anti-money laundering, combating financing of terrorism and obligations of regulated entities under prevention of money laundering act.

Silence For 6 sec

Pushpraj : Is there anyone who want to say something or to share if something has been left out or shall we conclude ...

Silence For 6 sec

Raghav: I assume every one has done there part so I would like to conclude by saying that Cryptocurrency is an exciting concept with the power to fundamentally alter global finance for the better. Cryptocurrency or a blue public blockchain such as bitcoin and ethereum are not yet governed by any regulatory body.Hence ,one might not be able to access a central bank digital currency and in case of bitcoin,anyone can access it from anywhere across the globe.
(so in India, Cryptocurrency are not illegal,anybody can buy,sell and trade Cryptocurrencies. Its unregulated, we do not have a regulatory framework to govern its functioning for now .however, the Indian government is exploring Crypto- regulation.) so that's all for our Gd(Cryptocurrency).