COREDEX EXCHANGE

THE NEW GENERATION DECENTRALIZED EXCHANGE PLATFORM

COREDEX

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ABSTRACT

Coredex exchange is a new decentralized exchange and trading platform powered by an Automated Market Maker (AMM) and operating on Binance Smart Chain (BSC) ecosystem, its focus is to bridge the aperture between traders and the cryptocurrency markets and bringing on the first dex-exchange to consider nft marketplace minting via creation of nfts and sales in conjunction with an enhanced trading interaction. The major aim of coredex is to bring a complete decentralized finance-based trading and nft system onto Binance Smart Chain.

Because of the aspiration to become a first class decentralized exchange and trading platform of superior option, Coredex have come up with a lot of developmental qualitative and distinct characteristic attribute different from other exchange which would help trader with a simple interface interaction to swap coins/token, farm, stake and enjoy Nfts minting and sales as the Defi platform should be known for. This helps and gives every trading individual the access to easily enjoy what Defi trading should be known for.

An important features Coredex is bringing into place is the required fast transaction with no delay and low transaction fee. This overtime has been understudied and planned out as this is the unending mission of the Coredex team.

"Our desired focus is to establish the best decentralized platform yet unseen and to make sure all holders of the CRDEX (native Bsc Coin for the Coredex exchange) receive yet an unbelievable incentive yet unseen in the crypto space. Words alone doesn't do it but our unending action which would positively drive the price of Crdex higher, speak volume and give the financial freedom all users of the tokens haven't gotten yet."

Coredex therefore employ the binance smart chain for swift, economical transaction and thereby gaining entry into a core network of utility tokens, Nfts and sustainable liquidity.

COREDEX EXCHANGE OVERVIEW

The Coredex protocol is so designed to enable a complete algorithmic money market protocol on Binance Smart Chain.

Decentralized cryptocurrency exchanges offer many advantages, including anonymity and peer-to-peer transactions. But many are complex to use and hampered by low transaction volumes. As a result, clients looking for liquidity and simplicity are often forced to turn to centralized platforms, which lack proper authorization and suffer from inconvenient registration processes.

Coredex Exchange provides a solution to all that along with a set of great features and products and aims to become the decentralized exchange and trading platform of choice.

The core features of Coredex exchange consist of on-chain Derivatives trading on Crypto assets as a start (with a plan to expand into other assets in the future), NFTs, Staking, Farming as well as a Build feature offering easy and fast built on-top API creation.

UNDERSTANDING AMM ON DEX EXCHANGE

Decentralized exchanges (**DEX**) are a type of cryptocurrency exchange which allows for direct peer-to-peer cryptocurrency transactions to take place online securely and without the need for an intermediary.

Overview

In transactions made through decentralized exchanges, the typical third party entities which would normally oversee the security and transfer of assets (e.g. banks, stockbrokers, online payment gateways, government institutions, etc.) are substituted by a blockchain or distributed ledger. Some common methods of operation include the use of smart contracts or order book relaying, although many other variations are possible and with differing degrees of decentralization.

Because traders on a decentralized exchange often do not need to transfer their assets to the exchange before executing a trade, decentralized exchanges reduce the risk of theft from hacking of exchanges, but liquidity providers do need to transfer tokens to the decentralized exchange. Decentralized exchanges can also prevent price manipulation or faked trading volume through wash trading and are more anonymous than exchanges which implement know your customer (KYC) requirements.

Drawbacks

Due to a lack of KYC process, and no way to revert a transaction, users are at a loss if they are ever hacked for their passwords or private keys.

Although liquidity pool DEX are the most widely used, they may have some drawbacks. The most common problems of liquidity pool DEXes are price slippage and front running.

Price slippage occurs because of the AMM (Automated Market Makers) nature itself — the larger the deal, the stronger impact it has on the price. For example, if the constant product AMM is in use, every deal must keep the product $xy = k$ constant, where x and y are quantities of two cryptocurrencies (or tokens) in the pool. So, the larger is the input amount Δx, the lower is the final ratio y / x that gives an exchange price. The problem is mostly significant for large deals or small liquidity pools.

Front running is a special type of attack in public blockchains when some participant (usually a miner) seeing an upcoming trading transaction puts his own transaction ahead (playing with a transaction fee for example), making the initial transaction less profitable or even reverted.

What is Amm?

AMM systems took off after they were first implemented by Shearson Lehman Brothers and ATD in the early 1990s — before their invention, order books were created by humans who manually initiated trades meant to enhance the liquidity of the market.

This approach was the reason for some slippage and latency in price discovery on the markets. Furthermore, market makers were also accused of market manipulation. When introduced, AMMs solved all the issues caused by human market makers. Now, these types of systems are also being introduced in blockchain-based decentralized exchanges.

An automated market maker (AMM) is a type of decentralized exchange (DEX) protocol that relies on a mathematical formula to price assets. Instead of using an order book like a traditional exchange, assets are priced according to a pricing algorithm.

This formula can vary with each protocol. For example, Uniswap uses **x * y = k**, where **x** is the amount of one token in the liquidity pool, and **y** is the amount of the other. In this formula, **k** is a fixed constant, meaning the pool's total liquidity always has to remain the same. Other AMMs will use other formulas for the specific use cases they target. The similarity between all of them, however, is that they determine the prices algorithmically. If this is a bit confusing right now, don't worry; hopefully, it'll all come together in the end.

How does an automated market maker (AMM) work?

An AMM works similarly to an order book exchange in that there are trading pairs – for example, ETH/DAI. However, you don't need to have a counterparty (another trader) on the other side to make a trade. Instead, you interact with a smart contract that "makes" the market for you.

On a decentralized exchange like Binance DEX, trades happen directly between user wallets. If you sell BNB for BUSD on Binance DEX, there's someone else on the other side of the trade buying BNB with their BUSD. We can call this a peer-to-peer (P2P) transaction.

In contrast, you could think of AMMs as peer-to-contract (P2C). There's no need for counterparties in the traditional sense, as trades happen between users and contracts. Since there's no order book, there are also no order types on an AMM. What price you get for an asset you want to buy, or sell is determined by a formula instead. Although it's worth noting that some future AMM designs may counteract this limitation.

So, there's no need for counterparties, but someone still has to create the market. The liquidity in the smart contract still must be provided by users called liquidity providers (LPs).

COREDEX EXCHANGE TOKEN (CRDEX)

Coredex exchange is a new decentralized exchange and trading platform powered by an Automated Market Maker (AMM) and operating on Binance Smart Chain (BSC) ecosystem, its focus is to bridge the aperture between traders and the cryptocurrency markets and bringing on the first dex-exchange to consider nft marketplace minting via creation of nfts and sales in conjunction with an enhanced trading interaction. The major aim of coredex is to bring a complete decentralized finance-based trading and nft system onto Binance Smart Chain.

• CRDEX TOKEN

CRDEX is Coredex Exchange’s native BEP20 token empowering its ecosystem. In addition to being a utility token and providing liquidity and trading incentives, CRDEX token is designed to facilitate and incite the decentralized governance of the protocol. As such, holders of CRDEX tokens gets higher rewards proportional to their holdings.

• CRDEX TOKENOMICS

A crypto project without solid and sustainable tokenomics is more likely to be disorganized and purposeless, because tokens serve two crucial primary functions:

1. Capturing the value and incentivizing the growth. The Coredex Exchange's team is designing and will always design future token economy models.

2. Coredex Exchange will be running highly cost-effective incentive/reward programs and initiatives to help facilitate and ensure the continuous growth of the platform and the coredex community.

In the meantime, the CRDEX token will be the perfect vehicle for encasing and portraying the value of the Coredex Exchange’s economy and ecosystem, and the collective value of the platform will be shared equitably and very generously with our loyal supporters.

Coredex Exchange's design is open to constructive suggestions and feedback from everyone, as we seek to expand alongside the community.

The Total supply of CRDEX tokens will be set at 100,000 tokens

-10% PRIVATE SALE

10,000 CRDEX tokens would be allocated for whitelisted private sale participants. The early investors would get the token at a far lower price than the public sale price.

- 60% PUBLIC SALE

60,000 CRDEX tokens will be available for the public sale. The generated funds will be deployed to add Liquidity and support the marketing and partnership strategy of Coredex Exchange.

- 5% AIRDROP & BOUNTY

5,000 CRDEX tokens will be distributed for the airdrop and bounty program. Two (2) rounds of the airdrop program would be done.

- 10% MARKETING AND PARTNERSHIP

10,000 CRDEX tokens would be allocated as reserve for more viral marketing and partnership program to promote the coredex exchange program.

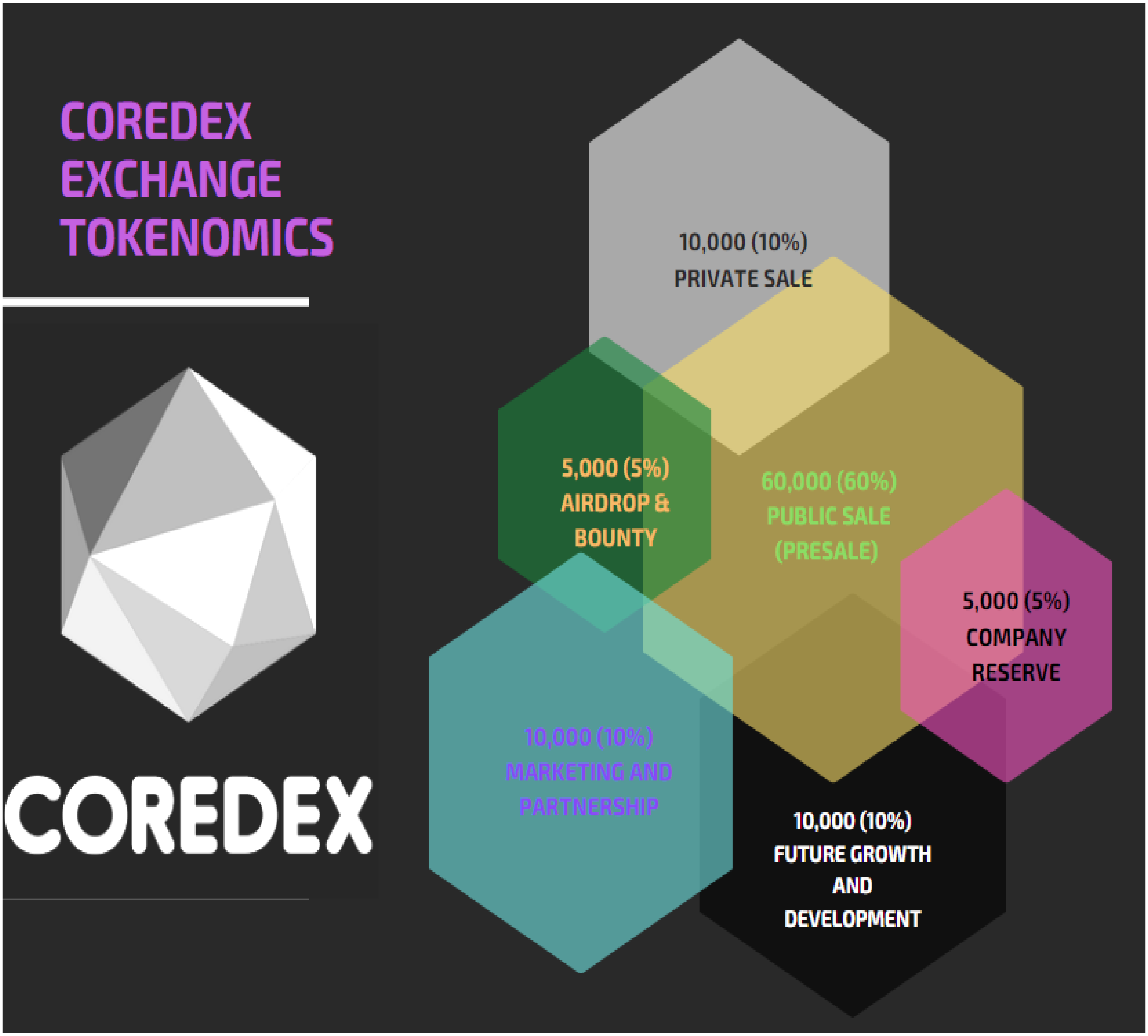
- 10% FUTURE GROWTH AND DEVELOPMENT

This particular units would be locked for a particular period and would be made available for other general usage such as reward in the nearer future for continuous project development and extensive promotion of the exchange platform.

- (5%) COMPANY RESERVE

5,000 CRDEX tokens would be made available as company's reserve for charity program, CRDEX governance token publicity (which would come up in the nearer future) and a host of other plan of action.

CRDEX TOKENOMICS



NFTS IN THE DECENTRALIZED FINANCE ECOSYSTEM

How Can NFTs Be Used In DeFi (Decentralized Finance)?

The two most prominent trends in the existing crypto market refer to DeFi and NFTs. Decentralized finance and non-fungible tokens are presently the two most popular applications in the domain of blockchain technology. DeFi offers decentralized access to financial services while non-fungible tokens focus on enabling tokenization of assets. However, it is important to reflect on the possibilities of leveraging the NFT DeFi combination for the benefit of enterprises.

On the other hand, it is reasonable to wonder about the evolution of NFTs as a suitable instrument for DeFi. NFTs are often considered as just digital art or collectibles which are fetching huge prices in auctions due to hype. However, non-fungible tokens can serve exceptional contributions to the growth of decentralized finance in the long term. The following discussion helps you find the possible ways for achieving the best value from NFT use in DeFi.

What are NFTs and DeFi?

Non-fungible tokens or NFTs are just a unique way of storing value. Just like gold or a dollar bill, NFTs have their value locked in a particular asset. The estimate of the NFT's value differs profoundly on the market and individual levels. It is difficult to replace or replicate non-fungible tokens easily thereby implying that two NFTs cannot be the same. Decentralized finance or DeFi is basically a financial system based on blockchain technology. Many public blockchain networks such as the Ethereum blockchain contribute to the development of the DeFi ecosystem. DeFi opens up the door to decentralized financial management through different in-built tools such as cryptocurrencies, oracles and smart contracts. The definitions of NFT and DeFi clearly indicate the possibilities for discovering a link between them.

So, where do you start discovering the association between DeFi and NFT? Looking at their definitions, you can clearly notice that NFT offers a unique way for storing value and DeFi offers an infrastructure for unlocking value.

How Do NFTs Store Value?

In order to understand the possible NFT decentralized finance link, it is important to know the type of assets which can be tokenized. Tokens with realistic value propositions such as real estate are one of the first examples of NFTs. Real estate investments were highly illiquid and demanded lots of documentation. Bringing the assets on blockchain in the form of virtual tokens can help in the easier representation of ownership and flexibility for transfer. In addition, NFTs could help in unlocking and mobilizing value in cases where it was difficult to mobilize value. For example, music artists could offer NFTs as tokens for participating in direct engagement sessions with them. The value of the offering is an important factor for determining the value in them. Since NFTs offer a value proposition, it has to be priced.

How Does DeFi Unlock Value?

Exploring the definition of DeFi further could help a promising idea of the foundation for NFT use in DeFi. The first thing you need to understand regarding DeFi is that it can work effectively with different types of financial solutions, instruments, and processes. NFTs would basically become another asset in the existing portfolio of DeFi. However, it is also important to find out the stream which would be influenced the most by the introduction of NFTs into the DeFi space.

NFTs are basically value-based assets. Therefore, they can provide the possibilities of growth in the asset's value or accruing income from the assets to the owner. DeFi can offer the opportunity for unlocking the value from NFTs.

The arrival of NFTs in DeFi Ecosystem

The design patterns in the world of decentralized finance or DeFi are gradually intermingling with NFTs and NFT marketplaces. Just like many other DeFi projects, Rarible, offers an NFT marketplace focused solely on creators. It offers a governance token known as RARI and also implemented the necessary mechanisms for regulation under a Decentralized Autonomous Organization (DAO). The RARI token holders, including creators and collectors, could vote for the platform upgrades alongside participating actively in moderation of the marketplace. RARI has also featured an NFT index, which serves as a portfolio for NFTs to help all collectors view the artworks and choose the right one for investment.

Using NFTs in Decentralized Finance

The NFT decentralized finance combination becomes instantly feasible, especially with the capability of NFTs to represent the commercialization of digital products and services. NFTs have become one of the promising applications in the DeFi sector. For example, Ethereum has introduced ERC-20 tokens for offering representation for digital assets. So, NFTs could easily serve as proof of ownership rights for digital art. Ethereum has become one of the top choices for creators to share art and interact with an engaged community of collectors. With the flexibility for proving ownership, NFTs could serve exceptional value advantages in the domain of DeFi. Let us take a look at the different possible ways for NFT use in DeFi.

Resolving the Problem of Collateralization

One of the foremost aspects about the NFT DeFi combination is the capability for unlocking value. At the same time, it is also difficult to round up on specific mechanisms for ensuring determining the value of NFTs. However, the use of NFTs could help the lender determine the collateralization amount in DeFi. The borrower would request a loan amount with the NFT that will serve as collateral. The lender would evaluate the loan amount alongside the collateralized NFT with consideration of different factors such as the owner's price tag, a secondary market value, and their individual calculations.

The use of NFT and DeFi in unison could help in solving the problem of collateralization easily. It is also important to notice the troubles due to issues in the liquidity of the market. The domain of artwork and collectibles is quite subjective in terms of liquidity. For example, assume that a painting is priced at almost $1 million. However, the price of the painting holds value only when an individual is interested in paying for it. The NFT decentralized finance association could easily resolve the issues of collateralization for artwork. The most plausible solutions, in this case, might focus on using NFT art and collectibles as collaterals in DeFi lending.

Traditional art has been used conventionally as collateral in the real world. Therefore, transitioning NFTs into the domain of DeFi definitely seems like taking a reasonable step towards the future. NFTs could also improve the DeFi sector through the resolution of liquidity issues by enabling tokenization. Tokenization could offer the ease and flexibility of preparing an illiquid asset faster than possible.

Addressing the Concerns of the Curve Model

The next important highlight related to NFT use in DeFi refers to the working of these two instruments for addressing the problem of the curve model. The curve model was basically tailored for the distribution of liquidity through the while curve. It emerged with one of the recent versions of DeFi protocols associated with liquidity pools. However, the curve model in DeFi also implies the substantial build-up of liquidity without any returns for the providers. However, the NFT DeFi combination has successfully offered the facility for the selection of desired custom price sizes for liquidity providers. As a result, liquidity providers could easily evaluate their capital and addressing the liquidity build-up in the curve model. Subsequently, liquidity providers could also again higher exposure to desired assets alongside achieving reductions in downside risk.

NFT Ownership and Its Impact on DeFi

The examples of using DeFi platforms in association with NFTs for the music industry clearly imply a revolutionary change in the world of art. Furthermore, NFTs have found a crucial role in allowing ownership rights and profits to the actual creators. The owners of

NFTs can earn a reliable share of the streaming revenue or resale value of their works. In addition, maintenance of verifiable earnings through NFTs also offers an effective variant of collateral. It can also enable easier access to the under-collateralized loans which is not possible without NFT use in DeFi. The monetization of art and collectibles through NFTs has become an integral part of the whole narrative of NFT hype. However, NFTs could become greater instruments for addressing the concerns of royalty sharing, licensing, and copyright ownership.

Another important aspect regarding the use of NFT DeFi together is the concept of fractional ownership. NFTs also allow the flexibility for the creation of shares of the NFT. As a result, investors and fans of NFT creators could get the opportunity to owing NFT without purchasing the whole NFT. However, the applications of fractional ownership of NFTs in the DeFi space are still in the initial stages.

Conclusion

One of the most important factors associated with the applications of NFT and DeFi together is the verifiability of ownership. The ease of proving NFT ownership opens up the DeFi space for NFT holders to obtain loans with NFTs as collateral. Most important of all, it is important to know that NFT has the capability for allocating value to almost anything. DeFi, on the other hand, helps in unlocking the value of a specific asset. NFT-backed loans are slowly gaining popularity and the growth of NFT DeFi as one would spell broader horizons of innovation. With the rising number and depth of users, DeFi and NFTs could transform the way we view assets, tokens, and financial services.

COREDEX NFTS MARKETPLACE

Coredex Exchange is introducing NFTs as one of the major features of the platform. Users can mint NFTs with unique characteristics and different rarities by depositing CRDEX tokens then stake it in the NFT Pools to generate rewards. Issue, trade NFTs and participate in auctions.

STAKING POOL PLATFORM

Staking is an alternative to crypto mining. It consists of holding cryptocurrency in a digital wallet to support a specific blockchain network's security and operations. By 'locking' or putting away the cryptocurrencies, users can receive staking rewards. Rather than solving complex mathematical puzzles to keep the network secure, the PoS mechanism stimulates users to strengthen the blockchain network in exchange for a reward in the form of crypto. This reward also serves as an interest. The PoS mechanism allows users to generate a passive income only by holding coins as they earn crypto. Typically, validators are selected to produce the next block based on the size and the average period it holds of their stake. Although there are other functions to prevent a front-running consensus, a larger stake usually gives users a higher chance of producing the blockchain's next block. Proposed blocks by validators are then propagated to the rest of the set, who verify and add the blockchain's approved block.

Users can generate passive income by staking their tokens in the Pool section. Each pool has a different APY. The process is fast & simple.

➔ Go to the Staking Pools page.

➔ Connect to your Binance Smart Chain-compatible wallet.

➔ Choose which staking pool you want to stake in.

➔ Once you choose a staking pool, your wallet will ask you to confirm the action.

➔ Type the amount of CRDEX you want to stake.

➔ The staking pools will show a claim button to get your staking rewards into your Private wallet.

FARMING PLATFORM

Yield farming allows the token holders to generate passive income by locking their funds into a lending pool for some interests as a return. While crypto staking involves a validator who locks up their coins, they can be randomly selected by the Proof of stake (PoS) protocol at specific intervals to create a block.

Yield farming is a practice allowing yield farmers to earn rewards by staking ERC-20 tokens and stablecoins in exchange to support the DeFi ecosystem. Yield farming, also known as liquidity mining, involves depositing and lending crypto underlying a mining mechanism to liquidate the liquidity pool for lucrative rewards.

While yield farming is comparably similar to staking's concept, there is an underline complexity associated with this mechanism. Contrary to crypto staking, yield farmers usually move their digital assets from one lending market to another in search of the highest yields.

Yield farming is never a standalone mechanism. It usually involves extensive participation of the automated market makers (AMM) — the liquidity providers (LP) that add funds to the liquidity pool from time-to-time to uphold the ecosystem. The resemblance of the staking concept allows LP to earn rewards by facilitating the transactions in a blockchain network. Users can deposit their LP tokens into one of coredex exchange Farms and generate transaction fees and rewards.

ROADMAP

- March- April, 2021: Launch (Token contract creation on Binance Smart chain).

- May, 2021: Contract verification and in-house quality check

- Oct 9, 2021: Private sale whitelist registration + Airdrop

Exclusive Participants would be shortlisted for the chance to partake in the private sale at a first time low unique price and intending participators can join the airdrop program.

- Oct 18, 2021: Public Sale

Participant can join the public sale and gain from the CRDEX token public sale.

- **November 20, 2021: Add liquidity & Open Farms**

Liquidity will be added instantly (at a higher price of almost x2 of the public sale price) to PancakeSwap and another secured dex exchange. The CRDEX tokens will be tradable and traders can use Liquidity Token to stake on Farm.

- November 25, 2021: Coinmarketcap and Coingecko listing

CRDEX would be listing on coinmarketcap, coingecko & other trust lists.

- **December 2, 2021: Open NFTs marketplace & Staking Pools**

Launch manual NFTs interface where minting, listing and selling of NFTs artwork would take place using CRDEX token and getting rewards in BSC. Pools for Token stakers would generate passive incomes through our rewards system (which has a surprisingly higher reward)

- December 10, 2021: Coredex exchange website testnet

Coredex exchange website would be available for trial testing and evaluation

- December 20, 2021: Coredex Exchange Website Mainnet Launch

The CoreDex exchange mainnet launch would be done and the exchange would be available for all trading operation.

- End of December-January, 2022: Major Cex Exchange Listing

Crdex token would be listed on the top 20 major exchanges.

- (Q1-Q2), 2022: Viral Marketing, collaboration and partnership.

- (Q2-Q3), 2022: Mobile app creation
- (Q4), 2022: Aligning with the any new crypto trend and application to our Coredex exchange

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