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Crypto token implemented in ERC 20 Blockchain of Ethereum (Ropsten Test Network)

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ABSTRACT: Crypto currency has become a growing digital currency around the world. Block chain is a system in which a record of transactions made in crypto currencies are maintained across several computers that are linked in a peer-to-peer network. As a booming technology, we are going to create our own crypto-token and perform transactions using it in Ropston test network and to provide liquditiy. The coin we created is named as infinity loop coin and transactions are performed in that eth scan network. our main idea is to attract the new investors/traders and help them to prevent the loss of their capital money. A new investor investing through our platform will get our own coins as reward instead of commission amount. Thus, the value of our coin is increased in this way day by day.

KEYWORDS: Block chain,Crypto Token,Transaction, Infinity Loop(INF),Smart contract

I. INTRODUCTION

A crypto currency is a digital or virtual currency that is secured by cryptography, which makes it nearly impossible to counterfeit or double-spend. Many crypto currencies are decentralized   networks   based on block chain technology— a distributed ledger enforced by a disparate network of computers. A defining feature of crypto currencies is that they are generally not issued by any central authority, rendering them theoretically immune to government interference or manipulation. crypto assets that actually have "token" in their name.

 Here are a few examples of those:

- DeFi tokens A new world of crypto currency-based protocols that aim to reproduce traditional financial- system functions (lending and saving, insurance, trading) has emerged in recent years.

- specialized DeFi tokens that give holders a say in the future of a protocol or app, which (being decentralized) don't have boards of directors or any other central authority.

- Non-Fungible Tokens (NFTs) NFTs represent ownership rights to a unique digital or real-world asset.

They can be used to make it more difficult for digital creations to be copied and shared (an issue anyone who has ever visited a Torrent site full of the latest movies and video games understands).

Security tokens Security tokens are a new class of assets that aim to be the crypto equivalent of traditional securities like stocks and bonds. Their main use case is to sell shares in a company (very much like the shares or fractional shares sold via conventional markets) or other enterprises (for instance, real estate) without the need for a broker. Major companies and startups have been reported to be investigating security tokens as a potential alternative to other methods of fundraising.

II. LITERATURE REVIEW

- This paper provides a review of the literature on key matters related to the popular crypto currency Bit coin. Another key motivation of this paper is to understand the underlying principle of this digital currency from the economic and financial point of view. For the survey to be comprehensive, the paper is categorized into varied themes: price dynamics, volatility, bubble dynamics, mode of recognition in the financial market, efficiency, economics, social media and investor sentiment, and lastly regulation and legality. We argue that Bitcoin is still in an embryonic phase and needs to evolve with time especially keeping in pace with technological advancements. It should be robust to get accepted as an alternative currency and be able to prevent any fraudulent exploitation.

- TRON (The Real-time Operating system Nucleus) is a project aimed at creating an ideal computer architecture for the future computerized society. The project was started by Dr. Ken Sakamura of the University of Tokyo in 1984. Private industry is cooperating with academia to bring a whole new computer order into reality. The TRON Project is being carried out with the future computerized society in mind. In the computerized society, most equipment, appliances, tools, and other objects making up our living environments will be augmented with embedded computers, be connected with networks, and cooperate each other to provide better living environments for human beings. In other words, these intelligent objects and networks constitute a large distributed computing system and support human activities on many aspects. This kind of system is called a highly functionally distributed system (HFDS) and its realization is the most important goal of the TRON Project.

- Bitcoin is the very first decentralized crypto currency that has gained tremendous following from various sections of the society including the media, the financial industry and its experts and the academic professionals. According to the published article "A statistical analysis of crypto currencies" by Chan and Nadarajah, the global interest in Bit coin has increased in the past few years (Chan et al., 2017). In the United Kingdom, the government is thinking of paying various research grants by using the online crypto currency – Bitcoin. Similarly, various Information Technology- based organizations are accumulating the Bit coins so that they can effectively defend against harmful ransom ware (Darlington III, 2014).

III. CONCEPT OF BLOCKCHAIN

Blockchain technologies isn't simply solely single one technique, however contains Cryptography, arithmetic, algorithmic rule and economic model, combining peer-topeer networks and victimization distributed agreement algorithmic rule to resolve ancient distributed info synchronize problem, it's an integrated multi- field infrastructure construction

- **Decentralization.**

In typical centralized dealings systems, every dealing has to be valid through the central trustworthy agency (e.g., the central bank) inevitably ensuing the value and also the performance bottlenecks at the central servers. Differently, a dealing within the block chain network is conducted between any 2 peers (P2P) while not the authentication by the central agency. In this manner, block chain will considerably cut back the server prices (including the event value and also the operation cost) and mitigate the performance bottlenecks at the central server

- **Security**

Unless someone gains access to the private key for your crypto wallet, they cannot sign transactions or access your funds. However, if you lose your private key, there's also no way to recover your funds.
Furthermore, transactions are secured by the nature of the block chain system and the distributed network of computers verifying transactions. As more computing power is added to the network, it becomes even more secure.

Any attack on the network and attempt to modify the block chain would require enough computing power to confirm multiple blocks before the rest of the network can verify the ledger's accuracy. For popular block chains such as Bitcoin (CRYPTO:BTC) or Ethereum (CRYPTO:ETH), that kind of attack is prohibitively expensive.

- **Smart Contracts**

Exactly like the name says, Blockchain with smart contracts can eliminate the need for lawyers and intermediaries. Smart contracts will be available to all the parties and any change in the contract must be done after reaching Conesus. Smart contracts can be helpful in business as well as private dealing.

AIM OF THE PROJECT

- From our website new users can buy crypto coin and our own token (LOOP COIN) without any commission.

- Instead of commission getting from the user, our loop token will be sent to the buyers/users.

- Hence, its an WIN-WIN business strategy.

IV. PROPOSED SYSTEM

In this project we propose python based block-chain, with an evolutionary crypto-token like Bitcash and Zecash.

In this current web 3.0 technology we are expertise lot of new things such as
,meta verse , crypto currency , block chain , nft (non- fungible tokens) and etc..Looking back the history the bit coin was developed in the year 2009, its an decentralized platform.
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, block chain , nft (non- fungible tokens) and etc..Looking back the history the bit coin was developed in the year 2009, its an decentralized platform.

ADVANTAGES

1. The 2009 launch of Bit coin moved block chain from theoretical to real-world use, demonstrating that this digital distributed ledger technology actually works. Since then, organizations have been testing how they, too, can make block chain work for them.

2. Big-name companies, government agencies and nonprofit entities are using block chain to improve existing processes and enable new business models.

The value of block chain stems from its ability to share data in a fast, secure way among entities -- without any one entity having to take responsibility for safeguarding the data or facilitating the transactions.

"It's a ledger of transactions that have unique characteristics, and those characteristics help address problems in our systems and processes," explained Ayman Omar, an associate professor in American University's Department of Information Technology & Analytics and a research fellow at the Kogod Cyber security Governance Center.

Problem Definition

Block chain is a decentralized ledger or a list of records. It received its name because of the work process: all information is gathered and divided into blocks which are united into a chain, using cryptography.

So, each block of block chain stands for a record of transactions and the chain links them all together. When a transaction is recorded, it is confirmed by a distributed network of computers and got a connection with all previous blocks in the chain.

Tokenization

Tokenization is one of the most important things you have to understand when talking about Blockchain. And most of us associate with Tokens things like speculative coins, ICOs and such things but tokens are much more than this. Tokens allows you to create digital representations for goods, services or rights. They can be fungible or non-fungible depending on the good or the service behind. Tokens can give you access to information about the product they represent, grant you some specific usage rights or represent the ownership of goods. These mechanisms are highly relevant for all digitization of real world goods use cases, because this allows trust and values to be exchanged between different parties without the need for a central intermediary.
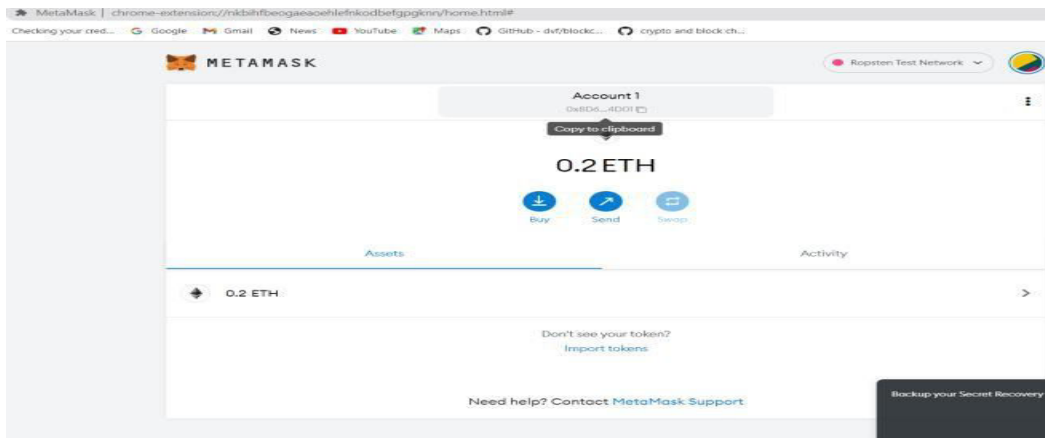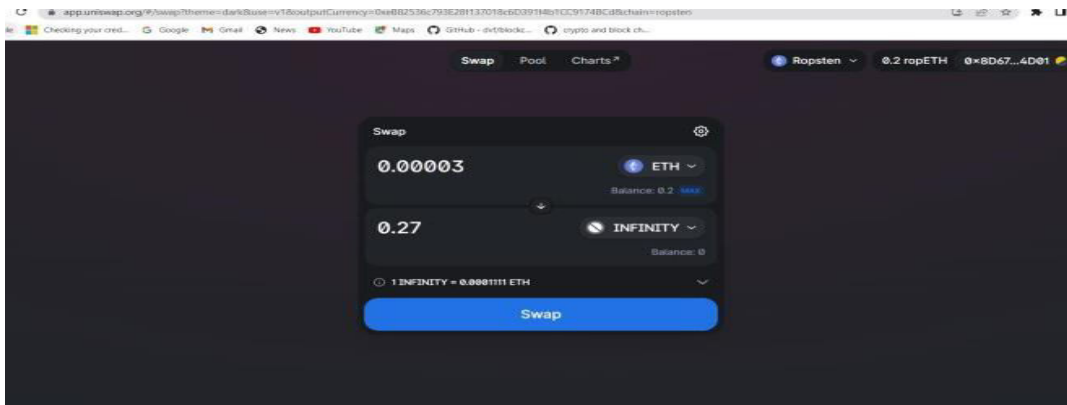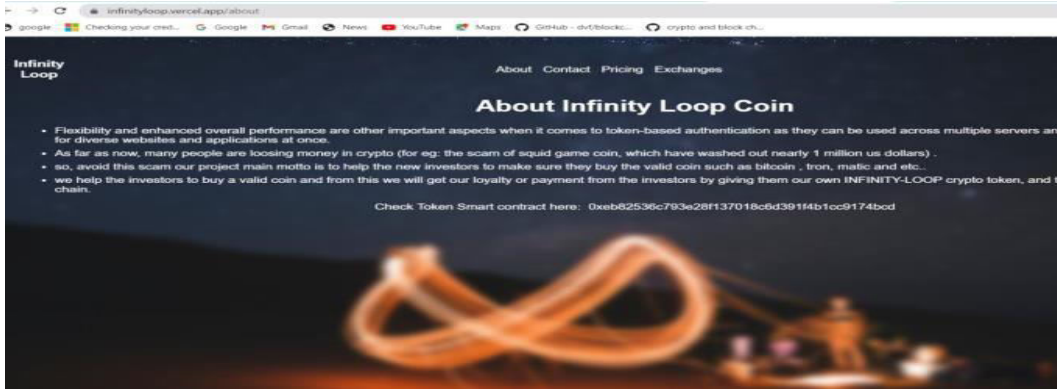
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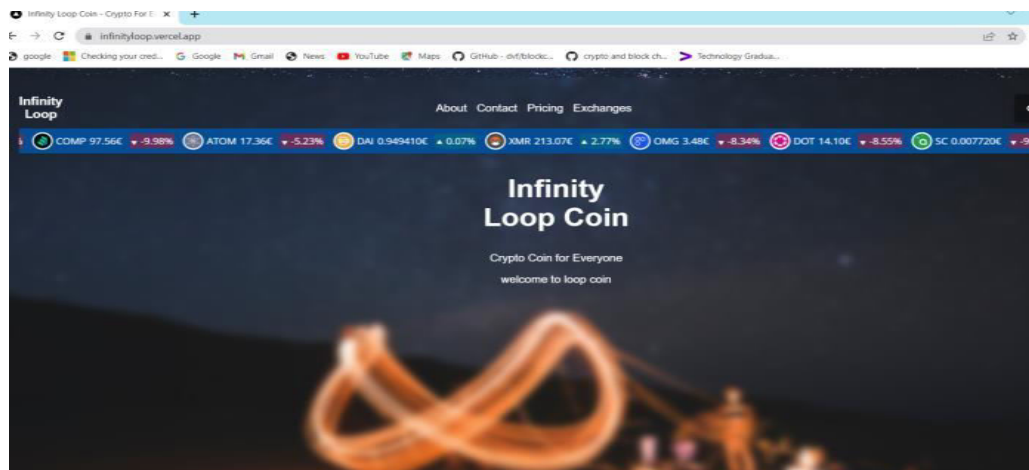
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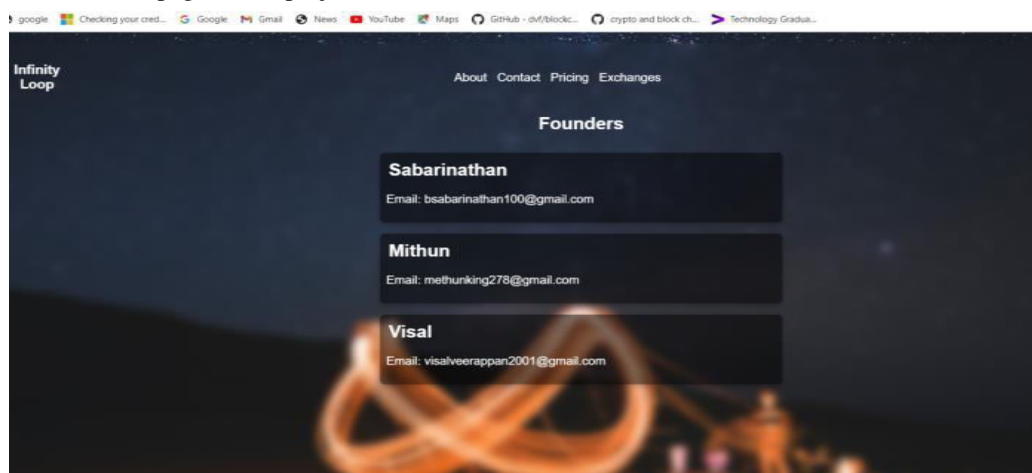
In this module shows that the founders of Loop

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VI. CONCLUSION

Finally, our block chain has been implemented in the ropsten network of ethereum block chain and it provides liquidity, pooling , through our own uniswap protocol. And with our website our user will get authenticated coins such (BTC,TRX,MATIC,XLM,ZEC) and etc..
instead of getting into scam.

Our INFINITY LOOP can be staked, pooled and finally we are metaverse world. From our metaverse world, user can login into our website and swap into any coin using real time market value. From the swapping process we generate income from the interest and slippage.

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