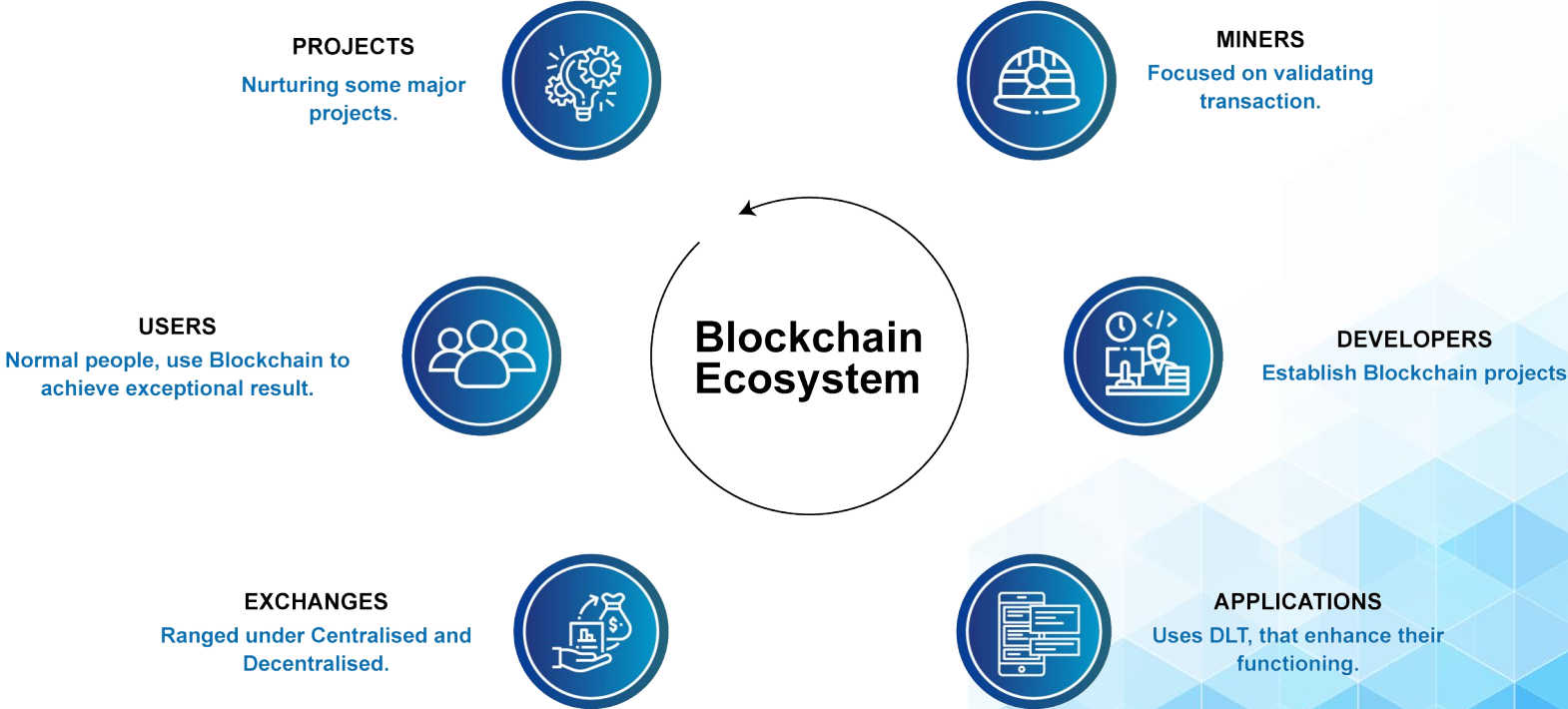




Components of Blockchain Ecosystem

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Blockchain Projects

The Blockchain ecosystem is currently running with some major projects and more are under pipeline.

Some of the major projects on Blockchain are:

- **Bitcoin** - The project that introduced the world to Blockchain.
- **Ethereum** - This project came up with the concept of Smart Contracts, where two parties adhere to certain rules and create a trust.
- **Neo** - This project positioned itself as the “Chinese Ethereum,” but it brought Python as the main language for the creation of applications.
- **Stellar** - Stellar tries to make cross-border transactions simpler. Stellar comes with extensive APIs which help the developers build applications efficiently, thus reducing the time to market for the applications.

Blockchain Users

Blockchain users are normal people, who make use of the blockchain or cryptocurrency to achieve some results.

For creating a Blockchain user base, the technology or cryptocurrency should have some utility related to the problem being tackled.

Bitcoin was the first mover in Blockchain, and it's high utility as a payment system made sure that a large part of its ecosystem is based upon users.

Blockchain Exchanges

- One of the most integral parts of a blockchain network is decentralized exchange.
- Exchanges are developed by the Blockchain team or the community of other developers.
- It is designed as a platform for exchange between any two cryptocurrencies, making it more affordable to trade tokens or cryptocurrencies.
- Exchanges used for trading also might integrate with hardware wallets, or users can create their own wallet on the exchange website.

Blockchain Miners

- Blockchain requires a large network of independent nodes around the world to maintain it continuously.
- Blockchain miners/validators are parties that are responsible for maintaining and updating the state of blockchain by adding new blocks to the chain.
- Miners collect transactions, create blocks and solve the consensus conditions to add new blocks to the chain.
- Different blockchains utilize different mining systems, however most of them contain some form of:
 - An incentive system
 - A consensus algorithm

Blockchain Developers

- Blockchain technology is built by the potential of the developers working behind it.
- Currently there are two types of developers in the blockchain ecosystem:
 - Blockchain (core) developers
 - dApp developers
- Blockchain developers build new blockchains with different levels of functionalities and consensus algorithms.
- Core developers are responsible for creating blockchains and add functionality and consensus to the network
- DAPP developers are responsible for introducing and developing applications on top of blockchain, like DAO, DAPP, DEX etc.
- DAPP developers develop on top of already established blockchain networks as base.

Blockchain Applications

- Industries, developers, and communities build blockchain applications to serve a specific purpose.
- There are various examples of applications being built on Blockchain. Some of the major working applications are:
 - **CryptPad**: A decentralized document creating applications.
 - **Humaniq** - A fintech startup which connects unbanked people with the global economy.
 - **Augur** - A peer-to-peer oracle and prediction market place.
 - **Filament** which is building the IoT applications over blockchain.
 - **CryptoKitties** - Blockchain based game centered around breedable, collectible, and digital assets.

THANK YOU!

Any Questions?

Visit

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