



**VIT<sup>®</sup>**  
**Vellore Institute of Technology**  
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## **Blockchain and Cryptocurrency Technologies**

### **CSE1006**

### ***Digital Assignment - ApeCoin***

Slot : A1 + TA1

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# ApeCoin



ApeCoin is an ERC-20 governance and utility token used to empower a decentralized community building at the forefront of web3.

This coin was built to support the Ape Ecosystem which was built during the recent surge of NFTs (Non-Fungible Tokens) called as BoredApes. According to their official website, the coin aims to serve the WEB3 Economy. Culture has found new expression in web3 through art, gaming, entertainment, and events. The possibilities for blockchain's impact on culture are so endless that they can't possibly all be predicted yet. APE is a token made to support what's next, controlled and built on by the community. It will serve as a decentralized protocol layer for community-led initiatives that drive culture forward into the metaverse. This was the ideology behind the foundation of ApeCoin

## ApeCoin Decentralized Autonomous Organization

The APE Foundation is the steward of ApeCoin. It is not an overseer, but the base layer on which ApeCoin holders in the ApeCoin DAO can build. The Foundation facilitates decentralized and community-led governance and is designed to become more decentralized over time. It is tasked with administering the decisions of the ApeCoin DAO, and is responsible for day-to-day administration, bookkeeping, project management, and other tasks that ensure the DAO community's ideas have the support they need to become a reality. The goal of the APE Foundation is to steward the growth and development of the APE ecosystem in a fair and inclusive way. It utilizes the Ecosystem Fund, which is controlled by a multisig wallet, to pay its expenses as directed by the ApeCoin DAO and provides an infrastructure for ApeCoin holders to collaborate through open and permissionless governance processes.

ApeCoin DAO exists because decentralized governance is critical to building and managing a globally dispersed community—and therefore critical to the success of the APE ecosystem. The APE Improvement Proposal Process will allow ApeCoin DAO members to make decisions regarding Ecosystem Fund allocations, governance rules, projects, partnerships, and beyond. ApeCoin DAO membership is open to all ApeCoin holders.

## Founders :

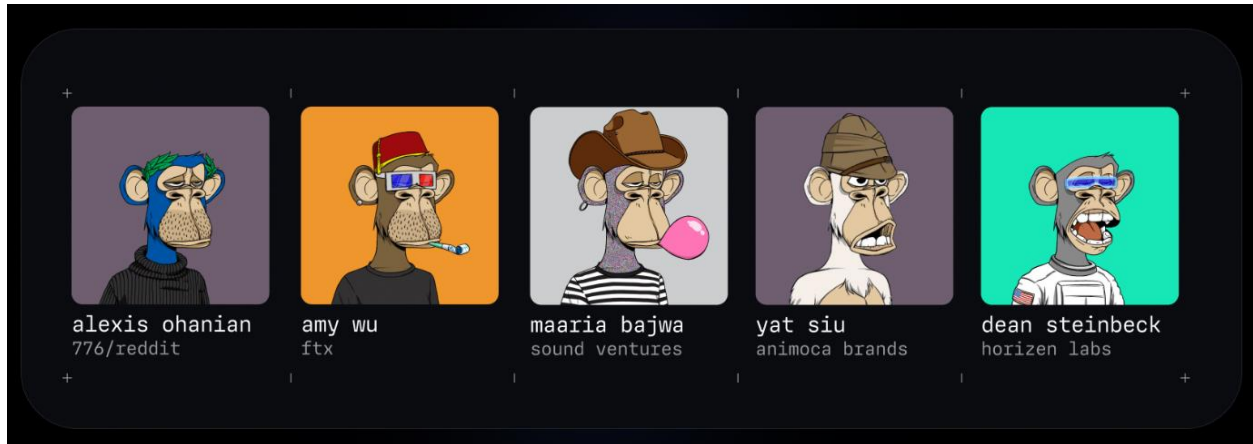
*Alexis Ohanian : Co-founder of Reddit; General Partner & Founder of Seven Seven Six*

*Amy Wu : Head of Ventures & Gaming at FTX*

*Maaria Bajwa : Principal at Sound Ventures*

*Yat Siu : Co-founder & Chairman of Animoca Brands*

*Dean Steinbeck : President & General Counsel at Horizen Labs*



## Proof of Work :

The token was launched on Ethereum Blockchain, secured by its proof-of-work (POW) consensus mechanism.

Proof-of-work is the mechanism that allows the decentralized Ethereum network to come to consensus, or agree on things like account balances and the order of transactions. This prevents users from "double spending" their coins and ensures that the Ethereum chain is tremendously difficult to attack or manipulate.

Miners are incentivised to do this work on the main Ethereum chain. There is little incentive for a subset of miners to start their own chain – it undermines the system. Blockchains rely on having a single state as a source of truth. And users will always choose the longest or "heaviest" chain. The objective of proof-of-work is to extend the chain. The longest chain is most believable as the valid one because it's had the most computational work done. Within Ethereum's PoW system, it's nearly impossible to create new blocks that erase transactions, create fake ones, or maintain a second chain. That's because a malicious miner would need to always solve the block nonce faster than everyone else. To consistently create malicious yet valid blocks, you'd need over 51% of the network mining power to beat everyone else. You'd need a lot of computing power to be able to do this amount of "work". And the energy spent might even outweigh the gains you'd make in an attack.

# ApeCoin Protocol

ApeCoin is an ERC-20 governance and utility token used within the APE ecosystem to empower a decentralized community building at the forefront of web3.

As the open-source protocol layer of the ecosystem, ApeCoin serves several purposes:

## ***Governance***

ApeCoin is the ecosystem's governance token, allowing ApeCoin holders to participate in ApeCoin DAO.

## ***Unification of Spend***

ApeCoin is the ecosystem's utility token, giving all its participants a shared and open currency that can be used without centralized intermediaries.

## ***Access***

ApeCoin provides access to certain parts of the ecosystem that are otherwise unavailable, such as exclusive games, merch, events, and services.

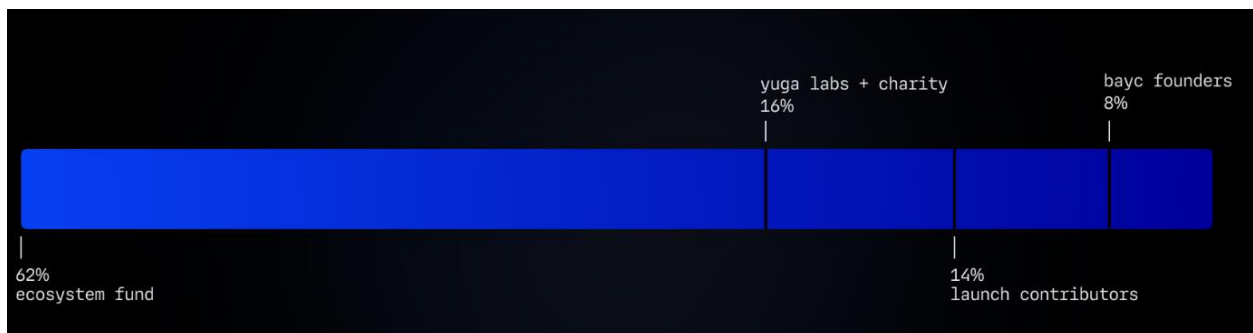
## ***Incentivization***

ApeCoin is a tool for third-party developers to participate in the ecosystem by incorporating APE into services, games, and other projects.

# ApeCoin Allocation

The total supply of ApeCoin is permanently fixed at 1 billion tokens. No minting capability is exposed through the contract interface, thus the total supply will never increase. Similarly, the contract interface does not expose any token burning capability, so the total supply will never decrease.

In line with the standard practice, a portion of the tokens for contributors to the project will be initially locked. Locked tokens will be unlocked over a period of 48 months, in accordance with the predetermined unlock schedule in the chart below, starting on launch day, March 17, 2022.





The altcoin top 10 has been showing strong performance in recent days. ApeCoin (APE) is soon to become a new altcoin that is likely to be on many trader's radars.

### ApeCoin to USD Chart



## Historical Data for ApeCoin

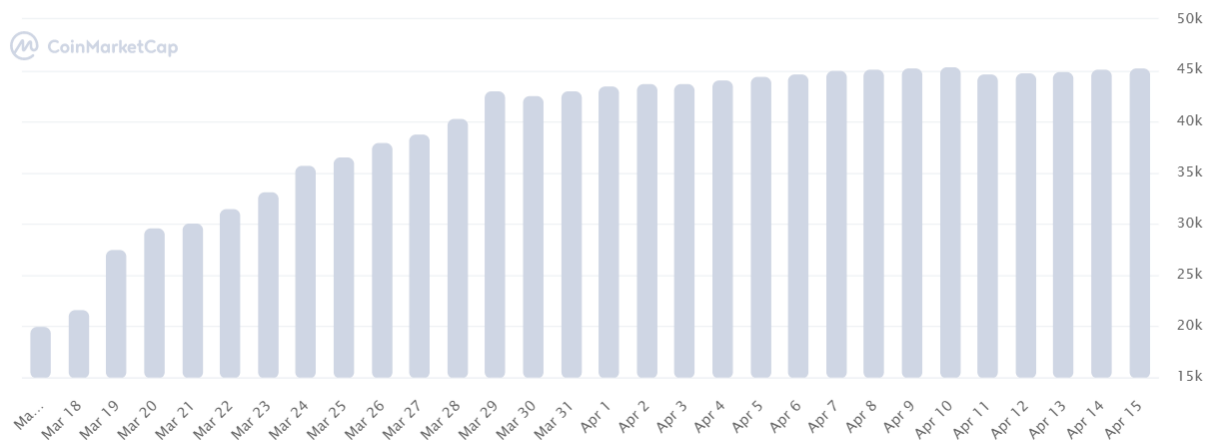
📅 Date Range ▼

Date	Open*	High	Low	Close**	Volume	Market Cap
Apr 14, 2022	\$13.25	\$13.46	\$11.97	\$12.28	\$641,038,123	\$3,408,054,009
Apr 13, 2022	\$11.62	\$13.38	\$11.49	\$13.25	\$902,368,368	\$3,676,801,958
Apr 12, 2022	\$10.91	\$12.10	\$10.73	\$11.62	\$517,476,476	\$3,225,239,847
Apr 11, 2022	\$12.15	\$12.15	\$10.69	\$10.90	\$697,771,264	\$3,024,611,272
Apr 10, 2022	\$10.98	\$12.34	\$10.85	\$12.16	\$571,227,342	\$3,374,074,114
Apr 09, 2022	\$10.78	\$11.04	\$10.63	\$10.98	\$185,745,790	\$3,048,096,301
Apr 08, 2022	\$11.20	\$11.56	\$10.69	\$10.78	\$413,271,568	\$2,990,846,373
Apr 07, 2022	\$10.66	\$11.25	\$10.65	\$11.21	\$443,150,702	\$3,109,650,935
Apr 06, 2022	\$11.61	\$12.02	\$10.57	\$10.65	\$588,354,727	\$2,956,443,529

## Total Addresses

The total number of unique addresses that hold assets in the network.

7D 1M 3M



## Future Developments :

Right now, ApeCoin mostly exists for speculation and “governance” for the DAO. But Yuga Labs has grand ambitions for the token.

A mobile game called Benji Bananas, developed by Animoca Brands (whose co-founder, Yat Siu, is on the board of the Ape Foundation), is adopting ApeCoin as a kind of in-game currency. For 25 ApeCoins, you can buy a Benji Bananas Membership Pass, which lets you earn “special tokens” in-game. Those tokens can then be swapped for ApeCoins.

Presumably, this is only the beginning of a whole ecosystem powered by ApeCoin: Yuga Labs plans to use APE as its de facto currency for all new projects. That’s part of the legal element, too – the more you can do with the token, beyond speculation, the better your shot at evading the SEC.

If the price holds, and traders outside the Bored Ape Yacht Club ecosystem start taking positions in APE, you can expect the use cases to evolve