Cardano simple explanation - The simple explanation of Cardano's technology through video to Vietnamese people

- Length of videos: Expected from 7-10 minutes / video
- Progress tracking file : Plan Cardano simple explanation

	Topic	Main content	Reference source	Publication time
1	Why should you catch the blockchain wave as soon as possible? Life-changing opportunity?	• Analysis of blockchain big wave => huge opportunity • Compare the development of blockchain and the Internet to see the similarities, potential, and future of blockchain • ADA is a project built seriously in many crypto projects today	Forbes https://docs.cardano.org/introduction	Accomplished. Posted on April 18, 2023. Video link
2	Catalyst - How to earn ADA 0 copper for everyone	• What is Catalyst? • Why can you apply for funds to develop your project? • How does this fund impact the development of the Cardano ecosystem and community • How to become a recommendation reviewer and earn ADA for free • Step-by-step instructions	https://projectcatalyst.io/ https://cardano.ideascale.com/c/landing	Completed, posted on June 12, 2023. Video link
3	Cardano - Blockchain is slow or the media is trying to "submerge" a too-strong opponent?	• Cardano overview: • The process of formation and development (Charles Hoskinson has experienced large projects such as Bitcoin, Bitshare, and Ethereum) • 5 epochs in Ada's roadmap (in the 4th epoch but also building the 5th epoch) => still on the	https://roadmap.cardano.org/en/ https://cexplorer.io/article/why-does-coindesk-write-negatively-about-cardano	

		right track, progressing slowly but surely. Eras and projects are named after famous people who have contributed to human society ● Media reasons (especially Coindesk always drowns Ada, call this blockchain zombie)		
	Where does the ADA value come from?	● ADA Value and Market Valuation: This shows how ADA value is determined by market supply and demand. ● ● Protocol utility: factors such as decentralization, security, scalability, and application functionality in creating value for ADA. ● ● Profit: for investors => Comparing ADA to Bitcoin: Focusing on ADA's potential to provide more utility and use value than just a store of value.	https://roadmap.cardano.org/en/ https://www.youtube.com/watch?v=Ja9D0kpksxw	
4	Simple Explanation: The Impossible Triangle in Blockchain - Cardano How to 'solve'?	● What is the Impossible Triangle? ● The solution of current blockchains: L1 solves security, decentralization. As for the expansion, push for l1. ● However, the problem is that as L2 expands, L1 must also expand accordingly ● Cardano is trying to be a blockchain that does all 3 well ○	https://www.bitstamp.net/learn/blockchain/what-is-the-blockchain-trilemma/ https://www.youtube.com/watch?v=EDyQEUZ0PIY	
5	Need to know: What is the Ouroboros Consensus Mechanism? Why is	● Definition of the ouroboros. consensus mechanism ● How does this mechanism optimally solve the scalability problem of the blockchain?	https://cardano.org/ouroboros/	

	it the “revolution” of blockchain?	• What stage of Ouroboros is Cardano in? ○		
6	Ouroboros Leios: A New Era of Blockchain Performance	• Blockchain performance: the importance of performance in blockchain technology and the challenges it poses. • Ouroboros Leios: a new era in blockchain performance, with the ability to improve transaction speed and scale the system. • How Ouroboros Leios works: how Ouroboros Leios uses Proof of Stake (PoS) to improve performance and ensure security. • Benefits of Ouroboros Leios: Mention the specific benefits that Ouroboros Leios offers, including increased transaction speed, reduced latency, and greater security. • Application of Ouroboros Leios => Future of Ouroboros Leios	https://www.youtube.com/watch?v=xKv94MwSNBw	
7	Why is Cardano one of the few projects moving toward complete decentralization? Compare with ETH	• Decentralization manifests itself in Block production and management => Analysis and comparison between Ada and ETH	https://docs.cardano.org/explore-cardano/cardano-entropy/#cardano's evolution toward a fully decentralized entity	

8	Cardano: Blockchain is the most secure and safe today	• Explain Cardano's security, including advanced security protocols, and error detection and remediation features: • POS. Mechanism • Multi-layer structure • Haskell programming language => A great feature of Cardano is scalability without sacrificing decentralization or security.	https://docs.cardano.org/explore-cardano/cardano-design-rationale/	
9	Simple explanation: Ledger in blockchain	• How blockchain works • What is the ledger in the blockchain, and why is it important? • Each different ledger model determines the operation of that blockchain	https://developer.bitcoin.org/devguide/block_chain.html?highlight=ledger	
10	How is UTXO applied to Cardano?	• How does UTXO on Cardano work? • (Each Cardano transaction generates UTXO outputs, which are linked to the recipient's wallet address and the amount transferred. • When a UTXO output is used in a new transaction, it is consumed and new UTXO outputs are generated, associated with the new wallet addresses) • Advantages of UTXO over Cardano: • More secure, easily extensible, more secure • Difference between UTXO on Cardano and Bitcoin: • Cardano allows multi-input transactions, while Bitcoin only allows one input per transaction. • Cardano uses the Ouroboros mechanism to ensure the safety and security of UTXO, while Bitcoin uses the SHA-256 algorithm	https://docs.cardano.org/learn/eutxo-explainer/	

		• Cardano allows for the parallel processing of transactions and has better scalability than Bitcoin => UTXO on Cardano has many outstanding advantages		
11	Difference between Cardano and ETH ledger model	• ETH uses an account ledger model (ABM) while ADA uses a UTXO. ledger => Analyze the pros and cons of each model, which side is superior?	https://ethereum.org/en/developers/docs/evm/#from-ledger-to-state-machine https://docs.cardano.org/learn/eutxo-explainer/	
12	Aiken: Revolutionizing contract development on Cardano	• About Cardano and Allied Contracts • Disadvantages of traditional contracts: complexity, low reliability, and limited scalability… • Aiken: An introduction to Aiken, a technology that revolutionized contract development on Cardano. Aiken's distinctive features include simplicity, security, and high scalability. • Aiken features and benefits: simple and easy-to-understand programming language, high security, and flexible scalability. • Aiken's Future: Aiken's Prospects and Potentials in Accelerating Cardano's Allied Development	https://developers.cardano.org/docs/smart-contracts/aiken/	

13	Sidechains and their role	• A simple explanation of the concept of sidechain on blockchain and how it works • The role of sidechains in solving transaction speed, costs, and privacy on the blockchain • Compare sidechain with other solutions like off-chain scaling, layer2,...	https://docs.cardano.org/cardano-sidechains/sidechain-toolkit/introduction/ https://docs.cardano.org/cardano-sidechains/sidechain-toolkit/chain-follower/	
14	Cardano's Sidechain EVM	• Deployment on Cardano • Compatibility with ETH => Benefits of EVM when deployed on ADA	https://docs.cardano.org/cardano-sidechains/example-evm-sidechain/testnet-disclaimer/ https://docs.cardano.org/cardano-sidechains/example-evm-sidechain/metamask/	
15	Hard Fork Vasil - The Age of Change	• Hard Fork Vasil is an important achievement for Ada. Unlike previous Hard Forks that are very deep in infrastructure, Vasil gives immediate visible results • What is the hard fork in the blockchain, and how long will the Vasil hard fork take place? • 5 achievements: 50% reduction in transaction fees, throughput-saving UTXO ledgers, referenced instruction files, direct reading of data without hashing, speeding up block transfers	https://docs.cardano.org/cardano-testnet/about/feature-overview/	
16	Vasil hard fork: Turning point to reduce fees and transaction size	• Reduce fees and reduce transaction size by: • Accelerate block transmission • Reduce transaction size 10 times	https://www.youtube.com/watch?v=j0IKJXo-_Ro	

17	Basho Era - What breakthroughs will Cardano achieve?	• Basho Era - What breakthroughs will Cardano achieve? • What Cardano has achieved from the beginning of the era up to this point • In the medium term to the end of the Basho Era, Cardano will be obtained: Hydra, Mithril, Input Endorsers => Basho focuses on scalability	https://www.youtube.com/watch?v=Ja9D0kpksxw https://roadmap.cardano.org/en/	
18	Cardano ecosystem: AMM, IDO, NFT, Lending & Borrowing AMM (Automated Market Maker): Explains AMM and its role in creating liquidity and price stability on the Cardano platform.	• IDO: How IDO works on Cardano and why IDO makes it easier to raise funds for new projects on Cardano. • NFT: Cardano NFT applications, such as decentralized access to digital assets and NFT auctions. • Lending & Borrowing: An introduction to lending and borrowing on Cardano, and how it helps create a decentralized financial ecosystem. • Summary: Conclusion on how these pieces of the puzzle can come together to create a comprehensive financial ecosystem on Cardano, with the participation of both casual users and professional investors.	https://docs.cardano.org/plutus/plutus-use-cases/	

19	What's special about Defi on the Cardano platform?	• Overview of DeFi development on Cardano • Strengths and weaknesses • => Cardano's strengths in developing DeFi • => The challenges that Cardano is facing when DeFi on other systems is developing are extremely diverse • Notable DeFi Projects on Cardano • Introducing potential DeFi projects on Cardano • The benefits that these DeFi projects bring to users and the community • Instructions for using DeFi on Cardano • Steps to Participate in DeFi Protocols on Cardano • A guide to using DeFi applications on Cardano and how to profit from them. • The future of DeFi on Cardano.	https://www.youtube.com/watch?v=2fLeLyJtyvA	
20	Dapp and Dapp Development on Cardano	• An introduction to Dapps and why they matter in the blockchain ecosystem. • The difference between Dapp on Cardano and other blockchain platforms like Ethereum (the focus is on Cardano's architecture (Layered Architecture) and the decentralized Proof of Stake (PoS) model used on Cardano) • Examples of Dapps being developed on Cardano: • Liquid Finance: a lending and lending platform under development on Cardano.	https://docs.cardano.org/plutus/dapp-development/#whatisadapp?	

		• Goguen: Smart contract and Dapp development layer on Cardano, providing a wide range of tools and frameworks for Dapp development and deployment on Cardano. • SingularityNET: an AI-based platform being developed on Cardano that allows developers to deploy and run artificial intelligence models. • Future potential, Dapp improvement plans on Cardano		
21	Stablecoin Djed on Cardano: People do it in 1s but why did Cardano only have it?	• The difference between Cardano and other blockchains: While other blockchains focus on product development speed, Ada focuses on security and reliability. => This can lead to slowness but in return, the product is always quality and safe for users • Analysis of Djed coin, a true "stablecoin", decentralized and highly secure. • It is possible to compare Djed with Binance's BUSD (currently Busd is facing many controversies) => Djed coin means a lot to developers, Cardano projects, and especially users.	https://iohk.io/en/research/library/papers/djed-a-formally-verified-crypto-backed-pegged-algorithmic-stablecoin/	
22	Cardano and stablecoins will be the financial backbone of the future	• Stablecoins on Cardano have several notable characteristics: • Secure: Cardano is built on an advanced Proof of Stake (PoS) model, which increases security and avoids Proof of Work (PoW) problems.	https://www.youtube.com/watch?v=5-Ozaf_aGNM	

		• Performance and Scalability: Cardano has implemented Hydra, allowing the network to scale to thousands of transactions per second. This gives the Cardano stablecoin the ability to process large transactions without experiencing bottlenecks. • Low Costs: With its PoS structure and Layer 2 Hydra, Cardano can provide transactions with lower fees than other blockchains like Ethereum. This makes using stablecoins on Cardano convenient and attractive for users. • Compliance standards: Cardano has a common standard for the development and deployment of tokens, called the Open Source Configuration standard. This helps ensure compatibility and consistency for stablecoins and other projects developed on Cardano.		
23	Cardano vs Ethereum staking model comparison	• How to stake on Cardano and Ethereum: staking coins, choosing a pool, and participating in the transaction confirmation process. • Evaluating the effectiveness of staking on Cardano and Ethereum: Compare important factors such as reward ratio, staking cost, number of pools, and dispersion on two blockchains. • The differences between the staking model on Cardano and Ethereum: security, availability, the loyalty of staking nodes, and how the staking system is regulated.	https://docs.cardano.org/development-guidelines/operating-a-stake-pool/about-stake-pools/ https://docs.cardano.org/learn/stake-pools/ https://ethereum.org/vi/staking/solo/	

		=> Evaluate which blockchain is more than superior		
24	ADA's superior staking mechanism - Instructions on how to stake to earn passive income	• The difference between Cardano's staking mechanism and other blockchains => Benefits of using Cardano's Stake mechanism • How Cardano's Stake Mechanism Works • Steps to Stake ADA and Earn Passive Income • Cardano Wallet => Buy ADA from exchanges => Transfer ADA to wallet => Select Stake pool => Implement Stake ADA • Factors Affecting Cardano's Stake Profits • Pool selection rate, transaction fee, ADA Stake time	https://www.youtube.com/watch?v=DCMX1wFgrJY	
25	Don't think it's good to just "burn coins" - We don't do that at Cardano	• Understanding the burn mechanism, what does burning mean? • Why doesn't Ada burn coins? (non-inflationary ada, valuable coin, and application) • Compare with ETH: it's pretty pointless to burn coins. Burning only compensates a small part of the ETH generated by staking	https://www.youtube.com/watch?v=KaLZJs5Y_rE	
26	Cardano's real-life applications	• Partnering with the Ethiopian government to digitize education in the country • Application in traceability solutions	https://www.coindesk.com/markets/2021/04/30/cardano-in-africa-inside-iohks-ethiopia-blockchain-deal/	