JINYCOIN

TREASURE OF YOUR ECONOMY

WHITEPAPER 1.0

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EXECUTIVE SUMMARY

Jinycoin is trying to establish itself into a golden link between the users and a secure ecosystem where through a single coin all concerned operations can be materialized without going elsewhere. Jinycoin is the building block of an ecosystem truly dedicated to users. It comes with the real-world utility.

Jinycoin took Inception as a Vision to become a medium that helps to realize the desired mass adoption of decentralized digital coins to provide more autonomy to masses.

The four integral channels of the ecosystem augment the user in different ways.

The virtual master node feature allows small level investors to take benefit of the masternode hosting where they can make good profits with a passive income without risking a lot of money like the true masternode hosts.
The E-Commerce platform gives users a completely new perspective of performing selling and purchase operations on the internet that too without any third-party vendor or payment gateways. This e-commerce platform is especially beneficial for buyers.

Jiny Coin card brings the real world closest to the crypto space. To instil a sense of trust, jinycoin is integrating Payment Card and Visa to launch a card where people can see the real-time application of cryptocurrency backed payment method to the accepting vendors that too anywhere in the world. The fourth and the last feature of the jiny coin is the true aspiration of the whole conceptualization that actually drives the crypto space towards mass adoption. With the ATM services people can be able to convert their cryptocurrency into local fiats at the designated ATM operating machines.

THE JINYCOIN

Maximum Supply:	Premine:	Masternode Collateral:
2 Billion	200 Million	1 Million

Algorithm Used:	Block Time	Block Size:
X16R	2.5 Minute	2.5 MB

Block for 1 Day:	Masternode reward Per Block:	Reward for Miner:
576	10	20

Yearly Return on Investment for Masternode:
More than %200 for 365 Days

NEED OF JINYCOIN

Their main intent behind the creating Jinycoin is focused on provided payment services like Jinycoin Card and ATM services which can be regarded as the steps towards scaling the usage pattern and mass adoption. The Jinycoin is the foundation of the whole platform as every feature and service of the platform passes through the might of the jinycoin. Be it the e-commerce services or amazing virtual Masternode features, the users will be making good use of jinycoin everywhere as per their own requirements.

Apart from that, the platform additionally charges all the standard fee in the terms of the jinycoin only. So, in order to use any featured service of the Jiny's ecosystem, a user will be requiring Jinycoins in the required quantities.

THE TECH BEHIND

Jinycoin is based on X16R algorithm, which was created by ravencoin and now being used by several other coins as well. The maximum supply of the jinycoin is pegged at 2 billion coins. Here the 200 million coins are allocated for the pre mining phase. For the sake of Masternode collateral, 1 million coins are distinctively fixed for the miners wishing to make profit from the mining.

The block size is 2.5 MB against the 2.5 minutes of block time. Everyday 576 blocks can be mined by any user as it is the maximum limit people running Masternode can fetch a reward of 10 and after mining East block for minors this award is double Al if we calculate the Return of Investment on annual basis then and for 365 days it's more than %200.

COIN UTILITY

We at Jinycoin platform building an ecosystem with our coins as a foundation. Jinycoin is a blockchain backed evolved to make best use of our four different upselling points at the platform. The Jinies help to create demand and liquidity through all four different services supported on the ecosystem.

With Jinycoin you can literally do anything in any of the dimensions offered by us. It allows you to use VMN facility, e-commerce platform, Jinycoin Card and ATM Services. A person can purchase Jinycoin from the exchange and instantly start running a VMN. With the same Jinycoins, he can make the buy and sell options on our e-commerce provision.

The Digital coin offered by Jinycoin can be used interchangeably across the platform for:

E-commerce Payments

Fiat Conversion and Fee

Jinycoin Payment Card

Jinycoin ATM Service

Passive Income

Mining Rewards

Virtual Masternode Staking

VPN Hosting Fee Payment

X16R: JINYCOIN'S ALGORITHM

Jinycoin runs on the ground-breaking X16R algorithm. It's PoW hashing algo which is a compilation of 16 different algorithms, is bound together within a single algorithm and rotating randomly. This algorithm allows a blockchain that is both more secure and fast.

Recently several prominent crypto projects created memory intensive hashing algorithms to take on the impact of ASICs. This reaction was in the alignment of a fact that high memory demands to make ASIC development costlier. X16R was also one such considerable attempt which is being implemented in jinycoin.

WHAT IS X16R ALGORITHM?

X16R is a Proof of Work (PoW) hashing algorithm conceptualized by Ravencoin. This algorithm utilizes the same 15 algorithms that were already used in the X15 Model. Additionally, it further employs the SHA512 algorithm. Thus, adjoining of both of these clusters gives rise to X16R algorithm. Here R stands for random or rotating.

The X16R algorithm is descended from X11 algorithm which was based on 11 hash functions running in series. The x16r employs the same method as it also runs the 16 hash functions in a series bound method. The 16 algorithms used in X16R are: Blake, BMW, Groestl, JH, Keccak, Skein, Luffa, Cubehash, Shavite, Simd, Echo, Hamsi, Fugue, Shabal, Whirlpool and SHA512

HOW DOES IT WORK?

Instead of sticking to a single algorithm chaining order, the process used in jinycoin continuously disrupts the chain order. The order of precedence of 16 different hashing algo rotation will be based on the previous block value.

To be more specific, the last hash value of the previous block decides the hash functions of the forthcoming block. Further, the final 64 bits are scattered into sixteen -4bit values. In fact, this split is that decides the order of the 16 hash functions to be used.

HOW IS IT DIFFERENT FROM OTHERS?

The method of ASIC resistance used by X16R Algo comes mildly on GPU's memory. So, unlike the intense requirements by the Ethereum, it allows miners to harness the increased core clock frequency. Additionally, it also helps to reduce the heat and power consumption as the frequency of memory clock is used in an optimized manner.

The dynamic rotation of chaining order in X16R makes implementation of ASIC much more challenging due to the hash functions for every dedicated block will be different for a given GPU's hash rate for any other block. Instead of a single one, the complexity is decided of the multiple hash functions of a block.

To minimize the impact of ASICs; cryptocurrencies developed memory intensive hashing algorithms. Considering the fact that high memory requirements make ASIC development expensive

Though here it cannot also be ignored that this variance of hash rate brought difficulties for miners as it doesn't work like conventional benchmarks and short-term calculations for mining values. But again, in the longer term it makes perfect sense as average hash rates will turn out to be a meaningful indicator despite hash values is in a randomized fashion. Meanwhile, all of the hash functions of X16R are equally likely to take place. Additionally, there is unrest in the mining community that the algorithm of Jinycoin (x16r) will block the existence of ASIC's permanently. But as a matter of fact, no PoW can tame ASICs forever. However, with more adoption of single X16R algorithm and the increasing cost trend of mining value the development of ASICs will be further boosted

USER CASES

In comparison to the algorithms used in popular crypto projects like ETH and XMR, the familiarity of X16r is relatively sitting on a very small scale. But Notably, the essence of X16R lies in the approach to ASICs resistance against the prevalent algorithms in the crypto space. Apart from the Ravencoin (RVN), this algorithm has already adopted by several other PoW coins as well. The first most well-known usage of X16R is Ravencoin. In fact, this algorithm was created on the very first hand for the RVN only. X16r is descendant of X11 algorithm which is Initially developed for the use of DASH and known for its capacity to removing the relevance of ASICs to CPU or GPU mining.

THE PLATFORM

Jinycoin is a versatile and full-fledged platform offering multiple customer friendly services that is not only ground-breaking in many aspects but also allows users to take benefits of affordable services through a single platform. From E-Commerce sale and purchase to granting access of a globally operational Payment card, the jinycoin platform and coin both give their users complete Independence of using the services seamlessly that too against a very negligible charge.

The jinycoin platform is powered by the X16R algorithm that makes the jinycoin ecosystem not only faster but also more secure as the multi layered security feature only we improve the User experience with the features integrated within the platform.

FEATURES OF THE PLATFORM

At jinycoin the four major features of the platform are:

1. VMN
Allowing small investors and non tech savvy people to make passive income by enabling the pool of different small investors for one Masternode activation.

2. Ecommerce
A Secured method of selling and purchase being seeped in by the Platform where the users will be enabled to make transactions in terms of jinycoin, without sharing their sensitive data with third party services.

3. Jinycoin Payment Card
Enabling the users to paying for their day to day needs in terms of cryptocurrencies to the retailers accepting the payment method globally.

4. ATM Services
Facilitating platform users to convert their cryptocurrency in their local fiats with the help of conventional ATM like operations.

Apart from selling and buying by the means of jinycoin users can also make profits through jinycoin platform itself through its virtual master note feature where against the minimum investment in terms of jinycoin they can earn the proportionate reward once the masternode is activated.

1. JINYCOIN VIRTUAL MASTERNODE

Before we start with the Jinycoin Masternode features, the users must be having a good idea about the complete Masternode operational procedure and mechanism so that they can relate to and understand the benefits. This section discusses about the operational requirements of the Masternode (MN) and Virtual Masternode (VMN) both.

THE MASTERNODE

As opposed to the prevalent establishments Crypto space isn't just constrained to the decentralization yet it achieves one more cause in a meaningfully astonishing way and that is the distributed flow. The entire idea of decentralization rotates around a 'Organised distribution' Many Instead of One' so that in the event of any potential mishap or dangers the entire framework does not get disturbed. To resist with such menaces Masternode developed as a saviour. Before we reveal further and person reading this document may get confused with PoS, we make clear that MN and PoS are two very different things.

In technical terms, a MN is a PC or remote and/or potentially a server set up on a decentralized support of any given coin network. This network is made of several smaller networking clusters, operating from different locations. These clusters can be scattered around the world. The person who hosts or owns this MN has the hosting access of the entire copy of any given blockchain. For running, a high-speed internet connectivity is desirable for both nodes and Masternodes. Additionally, a high minimum balance of a digital coin (or cryptocurrency) is required to kickstart a Masternode.

BENEFITS OF SETTING UP A MASTERNODE

Due to the increased mining costs people are actually started finding alternative where they can be rewarded with the same potential but comparatively with lesser investment. Masternode came out as a saviour and indeed a good alternative of mining rigs too. At the same time, it is also true that even Masternode demands a considerable cost to kick things start but at the same time the reward makes it a worth investing prospect. The rewards can be in any form- a portion of block rewards, staking or even holding the coin. In fact, there are instances when just by holding the coin they garnered profits 50x many a time due to the surge in the coin value.

RUNNING A MASTERNODE

Even if we put the rewarding potential of the Masternode aside, we see there are other worth considering benefits with running a Masternode. Masternodes are known for ensuring the sustainability of the blockchain as they help to augment the instant transactions with the desired privacy during the transactions. Apart from the making the ledger viable it also regarded as an important part of a thriving crypto community as the more a blockchain will prosper the better adoption and scalability prospects will be.

THE VIRTUAL MASTERNODE (VMN)

Undoubtedly, Masternode is an exciting opportunity to make some serious fortune but for those who don't have the necessary resources to start with the minimum high condition can be disappointing. But with Jinycoin the prospective investors should not feel dejected. Virtual Masternode (VMN) is the key to their all woes. With VMN people can easily host their own Masternode to make profits against a nominal fee to be paid in the terms of respective digital coin.

The main wisdom lying within the VMN concept is- enabling people to get rewarded against their risk appetite irrespective of any technical knowledge requirement. To begin with, all they need is a minimum required quantity of Jinycoin to start their VMN. Facilities offered with the Jinycoin Virtual Masternode:

- A Completely Safe and Secure Ecosystem
- Option for Auto Renewal
- Commission for Referring Users
- Devoted User Support Team

- Devoted User Support Team
- Easy UI for better user experience
- Instant Activation Feature for Masternode
- Free of Cost Deposits and Withdrawal
- No Tech Skill is Needed to Start or Operate
- Reasonable Hosting Costs
- Regular Rewards Payout

JINYCOIN VIRTUAL MASTERNODE

The one who runs a Masternode for Jinycoin requires a 10,000 Jinycoin to begin operations but people with small purchasing power should need not be disappointed here. They can also make profits even if they have small investments to make. Yes, Jinycoin offers the freedom to people having 1,000 coins to form a pool and by the time this pool cumulatively touches the 10,000 mark, a Masternode will be formed and start running with immediate effect.

For an instance, if 10 people with 1000 jinycoin form a pool then the profits will be equally disbursed. A fee of 100 coins will be deducted from the profits of every investor as a nominal fee of service. It should be noted here, the minimum coin requirement to participate is 1000 jinycoin. Though people willing to invest more than that are more than welcome as the profit ratio will be accordingly adjusted.

HOW ONE CAN MAKE PROFIT WITH JINYCOIN VMN?

If you are willing to put a bigger investment then there is no bar. A person can create multiple Masternodes for 10,000 JINYCOIN each per Masternode. If a user owns more than 10,000 COIN then he can split his JINYCOIN in multiples of 10,000 and create Masternodes accordingly.

One noteworthy point is- The amount must be put to start a MN should be 10,000 for every Masternode. Anybody with for an example having 13,000 Jinycoin can utilise only 10,000 coins for a Masternode and the rest 3000 will be of no use for a MN. Yes, he or she can add 7000 more coins to run another Masternode of 10k. Additionally, someone having 30,000 jinycoin can't use all the coins together to run a MN. There would be three MN of 10k each.

To use this facility, the Hosting Fee will be deducted from the rewards of VMN users. To avoid any bad experience, a VMN user should ensure that the tokens remain staked in the wallet. A high-speed internet connection and regular power supply is another requirement the user should be cautioned with.

TRADITIONAL MN VS JINYCOIN VMN

With Jinycoin Virtual Masternode the benefits are seamless. A Person running Masternode requires sizeable investments to begin the process as they would be requiring to bear the costs of dedicated VPS server and system setup. Apart from this one-time cost setup they need to pay additional server fee every month. But for VMN users, there is only one requirement to fulfil and that is the nominal monthly fee and they are all set.

In terms of jinycoin, any user wishing to start a Masternode requires a high minimum of 10,000 coins. While with VMN, person with as low as -1000coin start making profit by pooling. Once the pool touches the 10,000 mark the Masternode will be functional and profits will be distributed proportionately.

Note: For users, through the Jinycoin we provide multiple options for shared hosting based on the respective block time period. For instance, if they locked for 1 month and started with 2000 coins and their reward is %1 which is 20 coin for the month. We charge %10 of profits as fee so 2 jinycoin will be deducted and rest 10 will be credited.

2. E-COMMERCE PLATFORM

Jinycoin Platform enable the users with a facility of buying and selling commodities through a blockchain backed and secured e-commerce platform where the payments will be made in terms of Jinycoins. The operations will be normally executing in this platform the only difference is instead of fiat the method of transaction will be jinycoin.

THE NEED OF SECURED E-COMMERCE PLATFORM

There has been a lot of instances recently where the Shoppers and sellers at E-Commerce platforms are duped for their card details and several other manners which has ruined their buying journey through E-Commerce platforms. Some of them even stopped by through online portals as a precautionary measure. But it is the e-commerce platforms are the real problem? The answer is a big NO.

It's the data we put on E-Commerce platforms. This data is compromised either knowingly or being hacked by the cybercrime masters. In both of the cases, it is the buyer whose data is on stake which may result in to financial loss or any such bad experience. Blockchain and a secured environment offered by it can be a potential answer for all such mis happenings.

JINYCOIN E-COMMERCE FACILITY

To do away the existing bad on the E-Commerce platforms jinycoin introduces a unique method of payment where there will be no requirement of any third party for making transactions. Every time instead of paying for your orders in Fiats you will be paying in terms of jinycoin. This model is the same for the sellers as well. After selling the goods they will receive the payment in jinycoin which can be converted later into BTC or Fiat through the jinycoin platform. This efficient method discourages any

third-party data storage requirements thus minimising considerably the chances of being hacked or data compromise at the end of the day during the transactions.

In order to give the users a complete secured operational ecosystem, jinycoin platform utilizes the provision of various security protocols and layers. From IP whitelisting to authentication services, the users will be cross examined through various stages which is a customisable option in the dashboard of the jinycoin portal. Similar arrangements are also made for the sellers as well where they can be ensured about the safety of their transacting amounts without any issues.

One of the biggest upselling points of the platform is the instant processing of digital products being bought on the portal. The platform will make good use of API and such other secured method to facilitate instant transactions.

THE JINYCOIN PROMISE

The Jinycoin e-commerce platform will solve these two problems simultaneously. Your personal information and money will be protected with the blockchain securing every transaction. There will be no fraud because the transactions are all recorded in the immutable ledger. The money paid will be held in escrow until the goods are delivered to the customer to prevent any fraud. An A + security system backed fast and secured Exosis exchange further helps as a custodian of funds.

ADDITIONAL BENEFITS

There are privileges offered to the people who use Jinycoin's E-Commerce platform through the transaction fees in certain conditions for buyers it will be a discounted purchase whereas for sellers the same deal will bring additional profit for the seller of the goods on the platform

For buyers, the platform ensures fund safety through escrow method even if the transactions are instant in nature. In escrow method, the funds will be locked in MTNL the digital product is not delivered to the buyer. Once the delivery is confirmed the fund will be released for the sellers. There will also be the option of withdrawals in both FIAT and Crypto.

3. JINYCOIN CARD

Jinycoin proudly announces becoming one of those few cryptocurrency projects launching their own Payment Card for seamless Global transactions like any other banking card. The jinycoin Payment Card will be enabling people to transact between two people and/or people to business. Reportedly this card will enable uses to instantly convert their cryptocurrency is into the fiats thus making seamless transactions over the window.

Integrating Payment Card

Even after the more than ten years existence of bitcoin, the crypto is far way from mass adoption. Though to address this issue, in recent years several projects introduced conventional payment methods involving cryptocurrencies. If somebody talks about the payment gateway then it's almost impossible to miss the names of pioneer that is Payment Card and visa.

Jinycoin integrates the popularity and trust brought in by the Payment Card and visa and thus it enhance these features with their own Jinycoin card exclusively for the platform users:

1. Jinycoin Payment Card comes with an intent of enabling day to day spending but with cryptocurrencies.
2. Users can make good use of their Jinycoin Payment Card like they do with their conventional fiat supported cards but the only difference is the payment will be made in cryptocurrency instead of Fiats.
3. The Jinycoin card takes care of both jinycoin platform as well as the regular shopping and transaction purposes for users.
4. With this card you can make any number of transactions at any given day as there is practically no limit decided. All you will charged is a negligibly minute transaction fee.

5. All you need is the minimum fixed amount of cryptocurrency and you are good to go.

The card will be based on the jinycoin balances of the people and people who are maintaining low minimum of jinycoin balance will be able to make the desired transaction against the given receiver. This feature will be completely exclusive for the uses having a registered account with jinycoin platform and using the platform for some particular period of time.

Application

The jinycoin card holders can use their cards for real world transaction. All they would be requiring to swap or tap the card like a shopping card and they are good to go. It is a globally operated card which can be used against the respective purchase. This card is different from the another offering of jinycoin which is Jinycoin ATM card.

Apart from Jinycoin, the card will further support all popular digital currencies including bitcoin and Ethereum available to purchase and sell on the jinycoin platform. Any new cryptocurrency addition on the platform will be duly supported on the platform through this feature.

In order to add any amount, the user need to login and add digital currencies in their jinycoin account balance. The operational procedure is very similar to the regular Payment Card and Visa debit cards provided by the banking institutions.

How to Get one?

The Jinycoin master card will be completely based on application mode. After thoroughly reviewing the account of an applicant, master card will be issued in order to ensure maximum security and transparency on the platform for the users.

We strictly discourage any fraud so the verification process will entertain only national IDs like passports and government authorised identity proofs. In case of any difficulties our support system is always there to help you while you must be also caution enough to avoid any mis happening.

Note 1: We Request every Jinycoin user to kindly store their card and card details at any secured place. Also, they are strictly advised to not share their card details with anyone through directly or on internet.

Note 2: Any kind of theft because of user's own mistake will not be entertained at Jinycoin platform.

4. ATM SERVICES

The Fourth and the last provision of the Jinycoin platform will be a crypto currencies ATM services, in the places where such provision is treated as a legal entity.

WHY AN ATM SERVICE?

The concept of jinycoin ATM revolves around providing more autonomy to the jinycoin users having registered account with the platform. They can exchange their jinycoin against the supported standard digital currency like Bitcoin and Ethereum. After converting them into the desired (and more acceptable) digital coins like BTC they will be able to convert it into their local fiats with the help of the jinycoin ATM service. This ATM will be an integral part of their registered account on the jinycoin platform and all of the details can be accessed from their account only. For every transaction there will be a feature of notifications that the user will be sent it on both their account dashboard as well as the registered email ID.

JINYCOIN ATM

The jinycoin ATM service will be used for regular transactions to withdraw the local operational fiats and loading their account balances like regular ATM cards. With the help of these ATM cards they can recharge there jinycoin wallet by depositing the Fiat and thus converting deposited fee into the desired cryptocurrency of equal value. In order to operate they must be requiring a wallet where the digital currency(s) can be stored. Here initially the facility of wallet will be only through the jinycoin wallet and later on some more wallets can be added as a user-friendly feature.

The operational fee for using these services is yet not decided. It will be announced later by the time the jinycoin ATM services will be launched. Meanwhile there is a standard fee included in every transaction that will be the conversion cost of cryptocurrency to fiat and the opposite that is converting their local Fiat into a desired cryptocurrency with their jiny coin ATM facility.

SECURITY FEATURES

In quite some time, Crypto space has experienced a great deal of aggravating activities which debilitated the confidence of the regular users in the cybersecurity measures guaranteed by the cryptography fuelled blockchain space. Practically, the majority of the exchanges running today assist with the security measures like Authentication captcha, Google 2FA Authentication and email passwords however amusingly it was never adequate. In late digital thefts, there were various cases when a 2FA verified record was broken by the cybercrime masters.

We consider this issue as a test. Our team of programming mavericks, is committed to upgrading client security over the entire Jinycoin portal. We do assist with the 2FA security but to additionally fortify the security layers, we harmonized some extra security augmentations like login PIN, IP Whitelist and Wallet Signature facility.
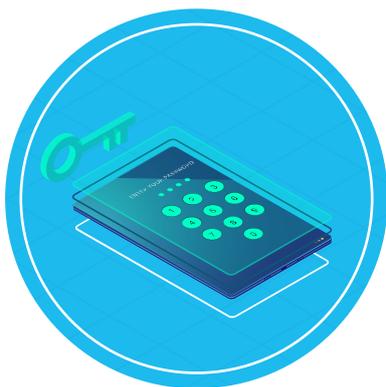
LOGIN PIN

A Login PIN is needed to be created during the registration phase. The users are expected to secure this PIN as it cannot be changed in later stages. In case the user forgets the PIN he/she will lose the entire account and it cannot be recovered later.

IP WHITELISTING

It is one of those features which actually strengthen the platform to minimize the potential hacking chances of a user account. In these security settings, people can whitelist one or more IP addresses from where they usually login. In case of access from any unfamiliar IP, the system will block the entry and immediately send a security notification to the user's registered email.

WALLET SIGNATURE

This is a new feature in the history of Cryptocurrency exchanges and we are the pioneers to implement it. You can login using your Jinycoin dashboard and generate the signature in the next step. In the subsequent step, you will be submitting and submit to authenticate your login. This security feature is the same for all four platforms.
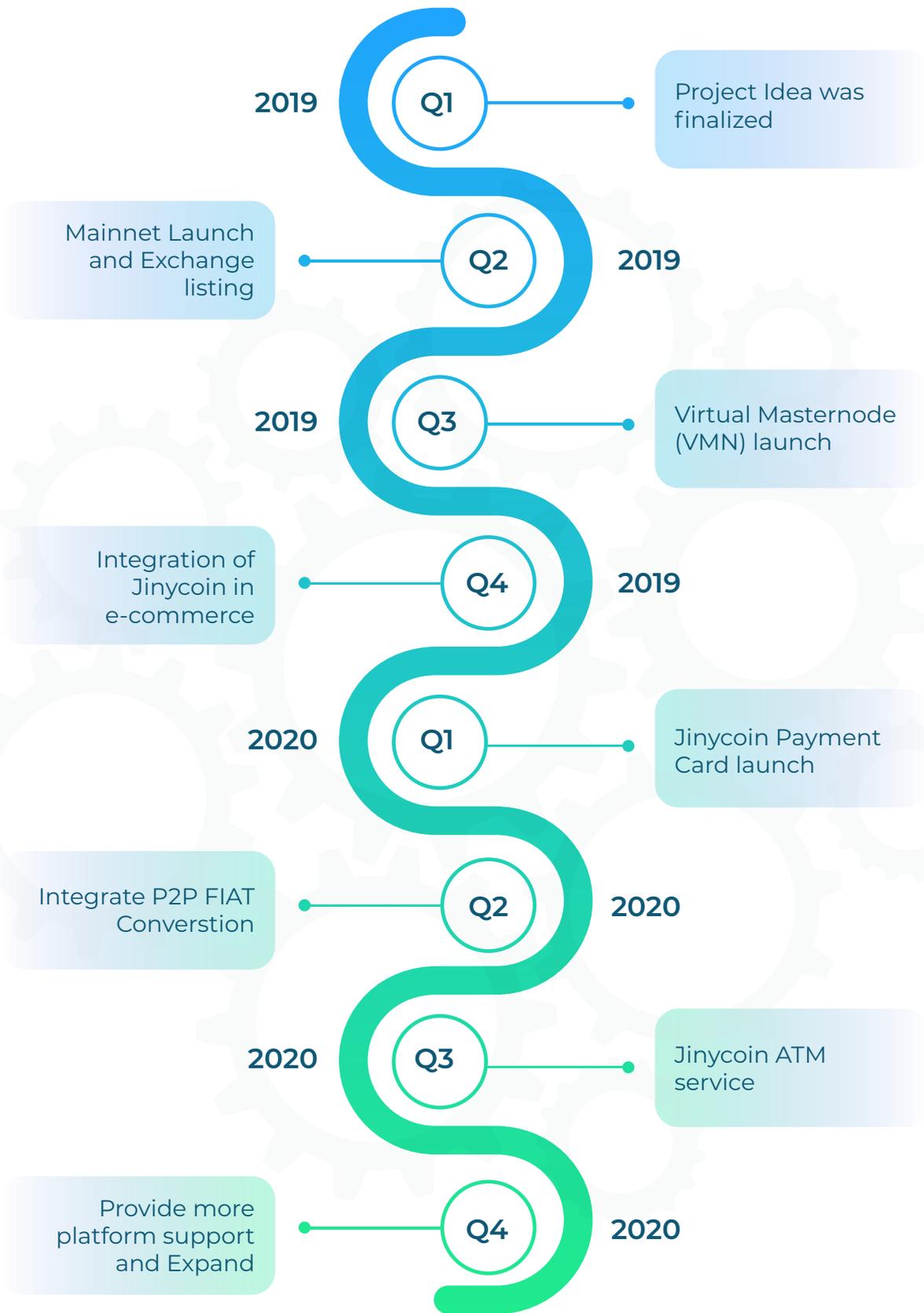
THE WAY FORWARD

We believe in maximum security for our users and that's why we are relentlessly working to improve the Jinycoin platform. Also, The A+ security is nothing new in the market but in crypto we took this initiative. Currently, we are the only one having A+ Security in crypto space.

Roadmap

2019 Q1 — Project Idea was finalized

Mainnet Launch and Exchange listing — Q2 **2019**

2019 Q3 — Virtual Masternode (VMN) launch

Integration of Jinycoin in e-commerce — Q4 **2019**

2020 Q1 — Jinycoin Payment Card launch

Integrate P2P FIAT Converstion — Q2 **2020**

2020 Q3 — Jinycoin ATM service

Provide more platform support and Expand — Q4 **2020**

GLOSSARY

API
Application Programming Interface

ASIC
A Special setup majorly consisting chip and software, designed for mining cryptocurrencies

BLOCKCHAIN
A Digital ledger/ register maintaining various transactions taken over a particular time.

BTC
Bitcoin

DASH
A Cryptocurrency using X11 hashing algorithm

E-COMMERCE
Enabling Customers for Buying and Selling Goods with the Help of an Internet Portal.

MN
Masternodes

PoS
Proof-of-Stake

PoW
Proof-of-Work

STAKING
Earning Interests/income from any owned Token or Coin by HODLing

TPS
TPS or transactions per second defines the speed in a blockchain

X16R ALGORITHM
An ASIC resistant proof of work hashing algorithm. This PoW is both GPU and CPU mineable.

VMN
Virtual Masternode