JupiterPe™

WHITEPAPER

MINE   STAY   PAY

The JupiterPe Vision for Web3 in Hospitality

🌐 www.jupiter.pe

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Executive Summary

JupiterPe is transforming the hotel industry with its free mobile crypto mining app, allowing users to mine crypto effortlessly and pay with digital assets. With 50% of profits reinvested, JupiterPe ensures sustainable growth and innovation.
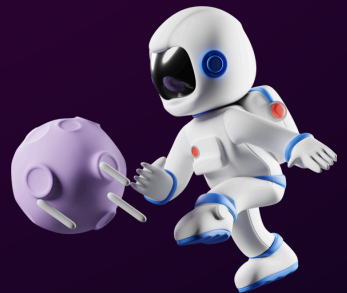
1. Introduction

1.1 Project Overview

This project aims to revolutionise digital transactions and asset management by leveraging blockchain technology. The primary objective is to create a decentralised ecosystem that enhances security, transparency, and efficiency for users and businesses. The project seeks to address challenges such as transaction fraud, high fees, slow processing times, and lack of financial inclusivity. By utilising blockchain's immutable ledger and smart contracts, the project introduces an innovative framework for digital asset interactions.

1.2 Purpose & Scope

The purpose of this initiative is to facilitate secure and seamless digital transactions while ensuring scalability, interoperability, and user empowerment. The project will cover multiple industries, including finance, Web3, decentralised applications (dApps), and the hospitality sector. The scope includes developing a robust tokenomics model, implementing governance mechanisms, integrating smart contract functionalities, and offering user-centric decentralised financial services. Additionally, the project will explore compliance with regulatory frameworks to ensure sustainable adoption.

1.3 Market Opportunity

The global blockchain market is projected to grow exponentially, driven by increased adoption in finance, supply chain, healthcare, and beyond. With a rising demand for decentralised solutions, this project is positioned to capitalise on market trends. Challenges such as high transaction fees, lack of transparency in traditional finance, and inefficiencies in centralised systems present opportunities for blockchain-based innovations. The project aims to bridge the gap between traditional systems and decentralised finance (DeFi), offering a scalable and secure alternative to existing financial infrastructure.

2. Our Vision

Our vision is to establish a decentralized digital economy where users have full control over their financial assets and transactions. By creating a transparent and inclusive blockchain ecosystem, we aim to foster mainstream adoption and enable businesses to leverage decentralized technologies for secure, efficient operations. This project envisions a future where blockchain becomes an integral part of global financial systems, facilitating trustless and efficient economic interactions.
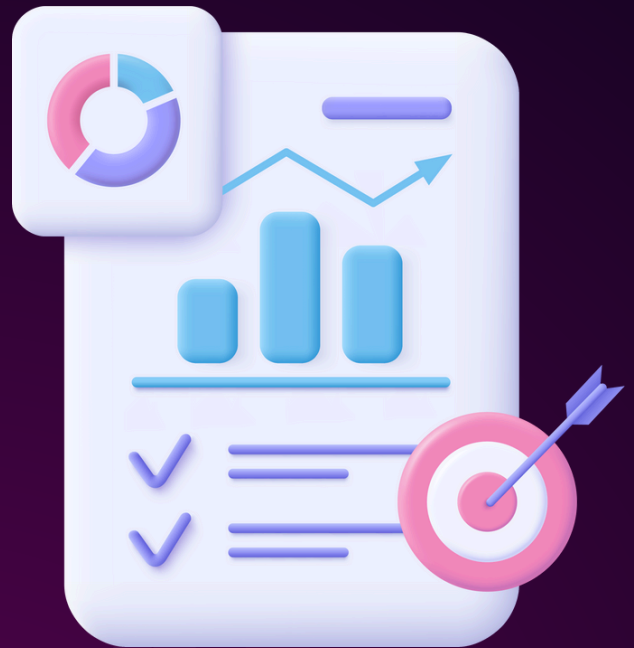
Our Solution

Effortless Mining

JupiterPe's app allows users to mine crypto effortlessly, providing a seamless experience that requires minimal technical knowledge and resources.

Secure Payments
The built-in payment system ensures secure transactions, protecting user data and maintaining the integrity of the mining process.

Global Access
JupiterPe's platform offers global access, enabling users to mine and pay with digital assets from anywhere in the world.

Innovative Technology
Leveraging cutting-edge blockchain technology, JupiterPe provides a reliable and transparent platform for crypto mining and payments.

2. Tokenomics

4.1 Token Distribution

This model is designed to ensure balanced growth, transparency, and sustainability
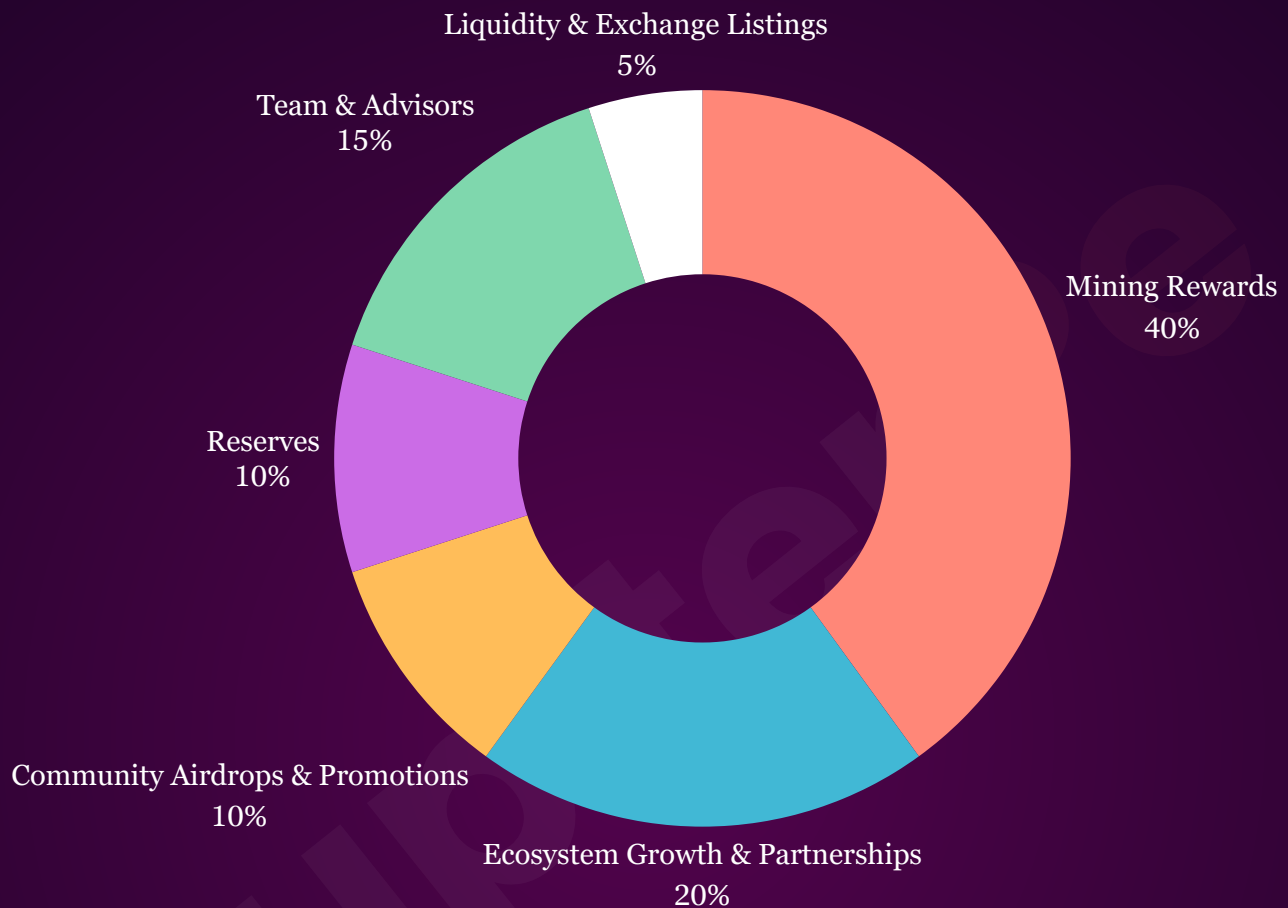
The total maximum supply of the JupiterPe Token is capped at **51,000,000,000 JPE**, ensuring escarcity and long term-value.

The official token contract is deployed at address.
0x2c3e1805FB2BE3007a92490926a1751E80a5706D

- **Max Total Supply**
51,000,000,000JPE

- Mining Rewards (for Mobile Miners) – 40%
- Ecosystem Growth & Partnerships – 20%
- Community Airdrops & Promotions – 10%
- Reserves – 10%
- Team & Advisors (Vested) – 15%
- Liquidity & Exchange Listings – 5%
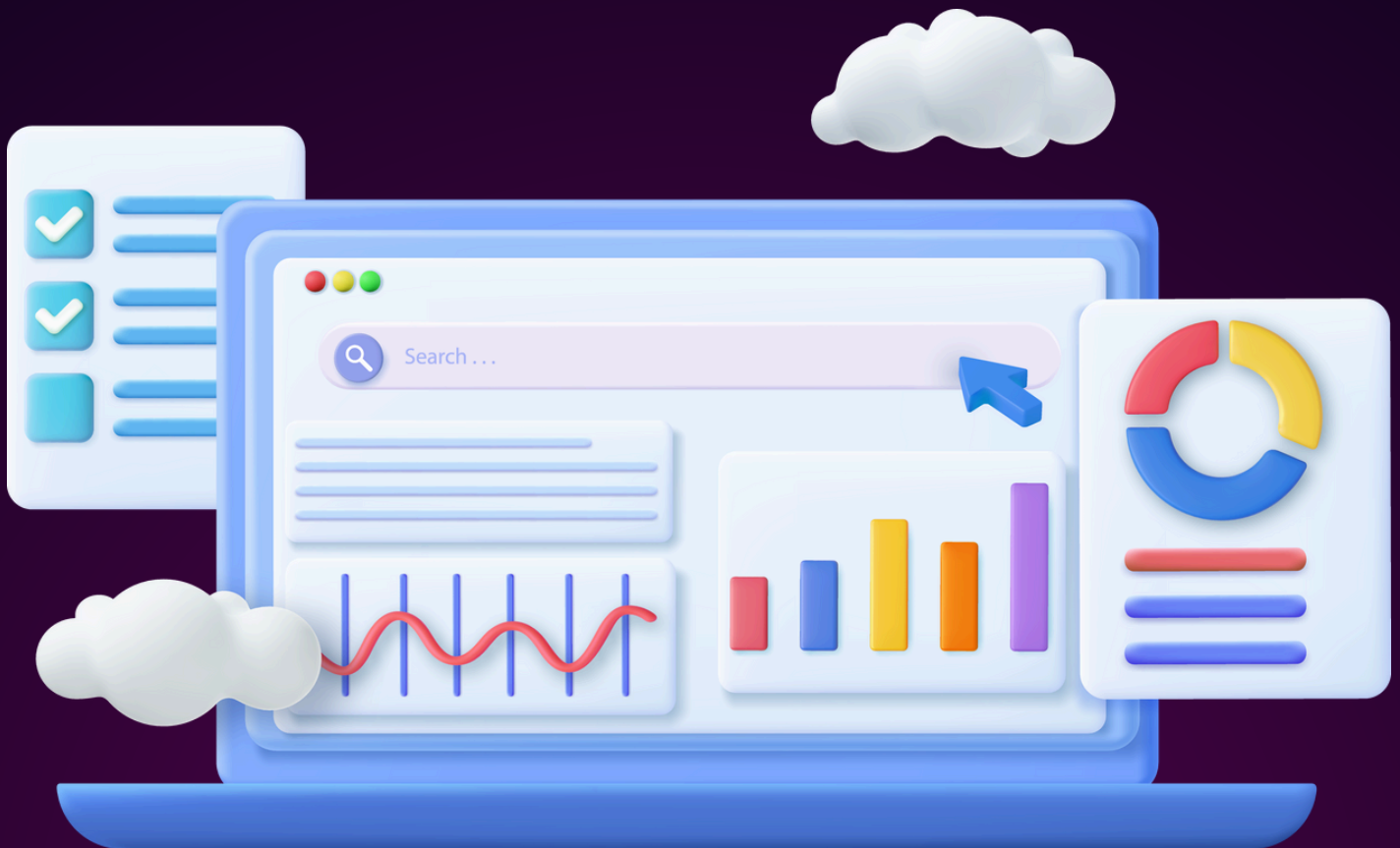
The project's token distribution model ensures fair and strategic allocation to support ecosystem growth. Key allocations include:

1. Mining Rewards (for Mobile Miners) – 40%

This is the largest allocation, dedicated to rewarding users who actively participate in the ecosystem by mining tokens via their mobile devices.

- Encourages mass adoption by allowing anyone with a smartphone to earn tokens.
- Fosters decentralised network security and community participation.
- Designed to gradually release over time with a diminishing rewards structure to ensure long-term sustainability.

2. Community Airdrops & Promotions – 10%

Aimed at spreading awareness and growing a strong, engaged user base.

- Distributed through marketing campaigns, referral programs, bounty campaigns, and social media promotions.
- Helps incentivize early adopters and contributors.
- Creates viral growth opportunities and builds early momentum.

3. Ecosystem Growth & Partnerships – 20%

Reserved for the development and expansion of the project's ecosystem.

- Used to incentivize developers, partner projects, and service providers who build on or integrate with the platform.
- Supports grants for dApps, integrations, or tools that enhance the ecosystem.
- Drives long-term utility and real-world use cases through strategic collaborations.

4. Team & Advisors (Vested) – 15%

Allocated to the founding team, developers, and advisors who contribute their expertise and efforts to the project.

- Subject to a vesting schedule (e.g., 1-year cliff, 4-year vesting) to align long-term interests.
- Ensures dedication, accountability, and stability within the core team.
- Recognizes the contributions of early supporters and advisors.

5. Reserves – 10%

Held as a flexible allocation to support the project as needed over time.

- Acts as a financial safety net for unforeseen challenges or opportunities.
- May be used for strategic investments, network upgrades, or operational costs. Ensures adaptability in a rapidly evolving blockchain space.

6. Liquidity & Exchange Listings – 5%

Used to provide liquidity for decentralized and centralized exchanges.

- Ensures smooth trading experiences and reduces price volatility.
- Facilitates listings on major platforms to increase accessibility and exposure. Builds a healthy market environment for buyers and sellers.

4.2 Utility & Use Cases

The token will have multiple utilities within the ecosystem, including:

- Governance: Token holders can vote on key decisions and protocol upgrades.
- Transaction Medium: Used for payments, remittances, and P2P transfers.
- Staking & Yield Farming: Users can stake tokens to earn rewards.
- Access to Services: Enables access to premium features within the platform.
- Fee Discounts: Reduced fees on transactions and smart contract interactions

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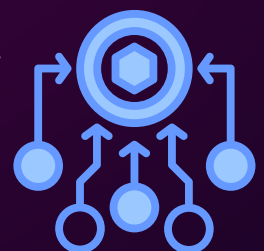
4.3 Incentive Structure

To ensure sustainable token demand and long-term engagement, the incentive model includes:

- - Liquidity Reward: Users contributing to liquidity pools receive a portion of transaction fees.
- - Referral & Airdrop Programs: Rewarding early adopters and community engagement.
- - Developer Grants: Funding for projects built on the ecosystem.
- - Early Adoption Bonuses: Special incentives for early participants.

4.4 Security Measures

Security is at the core of this project, with the following safeguards:

- - Smart Contract Audits: Regular third-party audits to ensure protocol integrity.
- - Multi-Signature Wallets: Enhancing fund security with multi-key authentication.
- - Bug Bounty Programs: Encouraging ethical hackers to identify vulnerabilities.
- - Encryption Standards: End-to-end encryption for transactions and data storage.

5. JupiterPe Roadmap

JupiterPe is building the future of accessible crypto. Starting with a free mobile mining app, we're evolving into a comprehensive Web3 ecosystem with features like integrated payments, staking, wallet functionality, and DAO governance. Below is our phased roadmap leading to a fully decentralized and user-owned platform.

Phase 1: Foundation

Laying the groundwork for a secure and scalable platform.

📊 Market research & concept validation
👥 Core team formation
📱 JupiterPe app MVP development
🔒 Initial smart contract deployment
🧪 Private beta testing begins

Phase 2: Launch & Adoption

Introducing JupiterPe to the public and building community traction.

🚀 Official launch of JupiterPe mobile app (Android + iOS)
📐 Launch of free mobile mining with JPE token rewards
🎁 Community airdrop campaigns
📢 Social media & ambassador program rollout
💳 Launch of JupiterPe: Crypto Payment Gateway
🛡️ Smart contract audit & security improvements
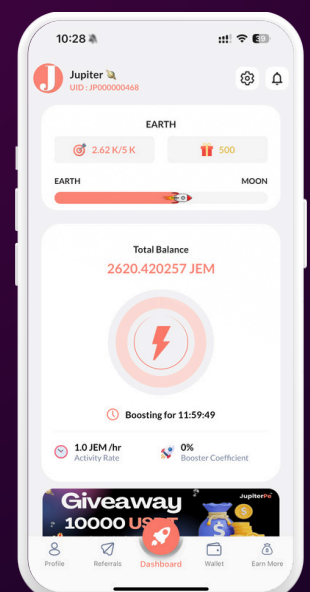
Phase 3: Ecosystem Growth

Expanding features and strengthening the token utility

🔐 Launch of Web3 wallet features
🔄 Integration with DEXs for JPE liquidity
🎯 Monthly user growth challenges & rewards
📈 Advanced referral and mining boost system
💸 In-app token staking
🧪 Partnership announcements with crypto platforms

Phase 4: Expansion

Taking JupiterPe global with real-world use cases and deeper decentralisation.

📈 Listing on top-tier exchanges
🌉 Cross-chain support (BNB Chain, Polygon, etc.)
🏛️ DAO governance beta for JPE holders
🏢 Real-world utility partnerships (hotels, gift cards, services, etc.)
🛍️ First merchant integrations for JPE payments
📲 Launch of Web3 wallet app (Android + iOS)

Phase 5: JupiterPeVerse

Shaping the future of crypto with identity, utility, and full decentralisation.

🖼️ JupiterPe NFT integrations & digital identity
🌐 Metaverse-ready wallet features
🌍 Global merchant network for JPE
🏛️ DAO-based decision-making
♻️ Launch of long-term sustainability fund

6. What is Blockchain?

6.1 Overview & Fundamentals

Blockchain is a decentralised, distributed ledger technology that records transactions in a secure and immutable manner. Key components include nodes, cryptographic hashing, and consensus mechanisms such as Proof of Work (PoW) and Proof of Stake (PoS)

6.2 Benefits of a Decentralised Ledger

- Transparency: All transactions are publicly verifiable.
- Security: Data integrity is ensured through cryptographic encryption.
- Cost Efficiency: Eliminates intermediaries, reducing fees.
- Accessibility: Provides financial services to the unbanked population.

6.3 Real-World Applications

Blockchain is transforming industries such as:

- Finance: DeFi platforms, remittances, and cross-border transactions.
- Healthcare: Secure patient data management.
- Supply Chain: Transparent tracking of goods.
- Digital Identity: Secure and verifiable identity management.

6.4 What is the BEP-20 Network in Blockchain?

The BEP-20 network refers to the token standard used on the Binance Smart Chain (BSC), similar to Ethereum's ERC-20 standard. BEP-20 defines a set of rules that tokens must follow to ensure compatibility within the BSC ecosystem.

1. Core Components of BEP-20

Smart Contracts

- BEP-20 tokens are governed by smart contracts deployed on the Binance Smart Chain (BSC).
- These contracts define the token's name, symbol, total supply, and other properties.

Binance Smart Chain (BSC)

- BEP-20 tokens run on BSC, which uses Proof-of-Staked-Authority (PoSA) consensus to process transactions quickly and efficiently.

BNB as Gas Fees

- Every transaction on BSC (including BEP-20 transfers) requires BNB (Binance Coin) as gas fees.
- BSC gas fees are much lower than Ethereum's gas fees, making it cost-effective.

2. How BEP-20 Transactions Work

When you send a BEP-20 token (e.g., JPE, USDT) from one wallet to another, this is what happens:

Step 1: Transaction Initialisation

- A user initiates a transaction via a crypto wallet (e.g., MetaMask, Trust Wallet).
- They enter the recipient's wallet address and the amount of BEP-20 tokens to transfer.

Step 2: Smart Contract Execution

- The BEP-20 smart contract verifies:
    - If the sender has enough tokens.
    - If the sender's wallet has enough BNB to cover gas fees.
    - The validity of the recipient's wallet address.

Step 3: Gas Fee Payment (BNB)

- The network deducts a small fee in BNB to process the transaction.

Step 4: Confirmation on BSC

- The Proof-of-Staked-Authority (PoSA) consensus validates the transaction.
- Transactions are confirmed in seconds and recorded on the BSC blockchain.

Step 5: Funds Received

- The recipient's wallet reflects the BEP-20 token balance update once the transaction is confirmed.

3. Key Features of BEP-20 Transactions

Fast & Low-Cost Transactions

- Transactions settle in a few seconds with fees as low as a few cents (in BNB).

Interoperability

- BEP-20 tokens can be bridged to Ethereum, Polygon, and other chains.

Smart Contract Security

- Transactions are automated and trustless, ensuring safety.

Wide Use Cases

- Used for payments, staking, governance, gaming, NFTs, and DeFi applications.

Example: BEP-20 Transaction

Scenario: You want to send 100 CAKE tokens from MetaMask to a friend's Trust Wallet.

- Step 1: Open MetaMask, select JPE, and enter your friend's BSC wallet address.
- Step 2: Confirm the transaction and pay a small fee in BNB.
- Step 3: The Binance Smart Chain validates the transaction in a few seconds.
- Step 4: Your friend receives 100 JPE in their Trust Wallet.

7. Use Cases

7.1 Web3 Wallet

A Web3 Wallet is a digital wallet that allows users to interact with decentralised applications (dApps) and blockchain networks directly. Unlike traditional wallets that store fiat currency, Web3 wallets hold cryptocurrencies, NFTs, and digital assets, while enabling secure, self-custodial transactions.

Secure Asset Management

A decentralised wallet ensuring users have full control over their private keys and assets.

Seamless Digital Transactions

Facilitates instant payments and cross-chain interoperability, allowing users to transact across multiple blockchains.

1. Key Features of a Web3 Wallet

🔑 Self-Custody – Users control their private keys (unlike centralised exchanges).

🌐 Decentralisation – No reliance on banks or intermediaries.

🔗 Blockchain Compatibility – Supports Ethereum, Binance Smart Chain (BSC), Polygon, Solana, etc.

📜 Smart Contract Interactions – Enables participation in DeFi, staking, and NFT marketplaces.

🔒 Enhanced Security – Uses cryptographic encryption and recovery phrases for protection.

2. How Does a Web3 Wallet Work?

- Users create a wallet address (public key) and receive a private key (password-like access).
- Transactions occur directly on the blockchain, removing intermediaries.
- It connects to dApps, DeFi protocols, NFT marketplaces, and Web3 platforms securely.
- Some wallets allow multi-chain compatibility for seamless asset transfers across different blockchains

3. Use Cases of a Web3 Wallet

💰 Store & Transfer Cryptocurrencies – Send, receive, and swap crypto assets.

🏦 Decentralised zed Finance (DeFi) – Lend, borrow, or stake crypto assets in protocols like Aave, Uniswap, or PancakeSwap.

🎨 NFT Management – Buy, sell, and store NFTs from marketplaces like OpenSea.

🛠️ Access dApps & Web3 Services – Play blockchain games, earn rewards, and interact with decentralised platforms.

🔓 Identity & Authentication – Sign in to dApps without passwords using a crypto wallet

4. How to Set Up a Web3 Wallet (Example: MetaMask)

1. Download & Install – Get MetaMask on Chrome, Firefox, or as a mobile app.
2. Create a New Wallet – Generate a public address and store your 12-word seed phrase securely.
3. Add Funds – Buy or transfer ETH, BNB, or other supported tokens.
4. Connect to dApps – Access DeFi platforms, NFT marketplaces, or blockchain games.

5. Web3 Wallet Security Best Practices

◆ Never share your private key or seed phrase – Store it safely offline.
◆ Enable two-factor authentication (2FA) for extra protection.
◆ Use a hardware wallet for long-term storage of valuable assets.
◆ Verify smart contracts before approving transactions.
◆ Be cautious of phishing scams – Always double-check URLs and sender addresses.

7.2 Ecosystem:

A blockchain ecosystem consists of various interconnected components that enhance functionality, security, and scalability. This section explores Integrated Platform Features, Developer & ThirdParty Involvement, and the Gateway System in detail.

1. Integrated Platform Features

A well-designed blockchain ecosystem integrates multiple financial and technological features to enhance usability, security, and efficiency.

◆ Staking for a Dynamic Financial Ecosystem

Staking is a process where users lock their tokens to support the network and earn rewards. It plays a crucial role in maintaining a self-sustaining financial system within the ecosystem.

✅ Key Benefits of Staking in an Ecosystem

- ◆ Liquidity & Stability: Encourages users to hold tokens, reducing volatility.
- ◆ Passive Income: Users earn rewards for staking, increasing engagement.
- ◆ Network Security: Staking supports Proof-of-Stake (PoS) and Proof-of-Staked Authority (PoSA) consensus mechanisms.
- ◆ Governance Participation: Stakers may have voting rights in platform governance.

◆ How Staking Works in the Ecosystem

1. Users stake their tokens (e.g., BEP-20 tokens) on the platform.
2. Smart contracts lock these tokens for a defined period.
3. Stakers receive rewards (new tokens, fees, or other incentives).
4. The platform benefits from increased liquidity and enhanced network security.

Example: On a DeFi platform, users stake native tokens to provide liquidity for lending protocols, earning interest while ensuring smooth transactions.

2. Developer & Third-Party Involvement

For a blockchain ecosystem to thrive, it must attract developers and businesses to build on its infrastructure. This is done through open-source smart contracts, APIs, and SDKs.

◆ Why Developer & Business Involvement Matters

✅ Expands Platform Utility: More dApps (decentralized applications) lead to broader use cases.

✅ Encourages Innovation: Developers create new DeFi apps, NFT marketplaces, and gaming ecosystems.

✅ Drives Adoption: Businesses integrate blockchain solutions for payments, supply chain tracking, etc.

◆ How the Ecosystem Supports Developers & Businesses

1. Open-Source Smart Contracts: Pre-built contracts allow developers to launch staking pools, DeFi platforms, NFTs, and DAOs quickly.
2. APIs & SDKs: Offer plug-and-play solutions for businesses to integrate crypto payments, tokenized assets, and loyalty programs.
3. Cross-Chain Compatibility: Enables dApps to interact with Ethereum, BSC, and other blockchains.
4. Incentives & Grants: The ecosystem may provide funding or staking rewards to encourage third-party development.

Example: A developer builds a decentralised exchange (DEX) on the platform using open-source smart contracts, enabling users to swap tokens with minimal fees.

3. The Gateway System: How It Works

A Gateway System in a blockchain ecosystem serves as a bridge between different blockchains, financial services, and external applications. It enables seamless token transfers, fiat integration, and third-party connections.

◆ Key Components of a Gateway System

◆ Cross-Chain Bridge: Allows assets to be transferred between Ethereum, Binance Smart Chain, Polygon, etc.

◆ Fiat On-Ramp & Off-Ramp: Lets users buy and sell crypto using traditional payment methods.

◆ Liquidity Gateways: Integrates liquidity providers (LPs) for better trading and staking experiences.

◆ API & Web3 Compatibility: Allows businesses and developers to integrate blockchain functionality into existing apps and websites.

◆ How the Gateway System Functions

1. A user wants to transfer assets from Ethereum to BSC.
2. The Gateway System locks tokens on the source blockchain.
3. Equivalent tokens are minted on the destination blockchain.
4. The user can now use their tokens on another blockchain seamlessly.

Example: A user bridges USDT from Ethereum to BSC to take advantage of lower transaction fees for DeFi farming.

6.3 Hotel Industry

Innovative Solutions

JupiterPe's innovative approach to crypto mining and payments is revolutionising the hotel industry. By offering a free mobile app, users can mine digital assets effortlessly and use them for payments during their stay. This not only enhances the guest experience but also provides hotels with a competitive edge in the market.
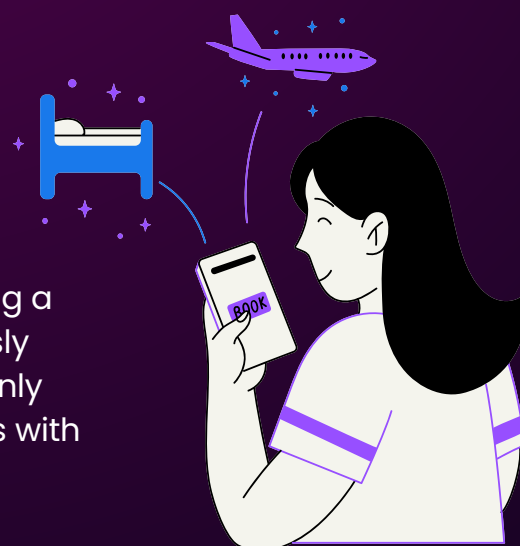
The app's built-in payment system allows for seamless transactions, reducing the need for traditional banking services. This is particularly beneficial for guests who face challenges accessing conventional financial systems. By embracing digital currencies, hotels can attract a broader audience and streamline their payment processes.

Crypto Mining Simplified

JupiterPe offers a seamless mobile crypto mining experience, designed specifically for the hotel industry. Users can mine digital assets effortlessly, ensuring a smooth and efficient process. The app's user-friendly interface makes it accessible to both tech-savvy individuals and newcomers to the crypto world.

Loyalty & Engagement

The hotel industry is evolving with blockchain technology, enabling loyalty programs and customer engagement through tokenised rewards and NFTs.

1. Blockchain-Based Loyalty Programs & Rewards

Traditional hotel loyalty programs often face challenges like:
❌ Complex redemption processes
❌ Limited interoperability between brands
❌ Lack of transparency in reward points

🔹 How Blockchain Improves Hotel Loyalty Programs

Hotels can issue blockchain-based reward points that are interoperable and redeemabl across various services

✅ Interoperable Rewards: Hotels can issue blockchain-based reward points that are redeemable across different hotel chains, airlines, restaurants, and entertainment services.
✅ Decentralised Tracking: Customers can track their rewards in real-time, reducing disputes over missing points.
✅ Fraud Prevention: Blockchain's transparency ensures authentic loyalty points, preventing fake or duplicate redemptions.

Example: A traveler staying at a VelvetHouz Hotels & Resorts earns tokenized loyalty points. They can use these points to:

- Book a stay at a VelvetHouz Hotels & Resorts
- Redeem airline miles with Emirates
- Pay for meals at a partner restaurant

How It Works:

1. A guest checks into a hotel and earns blockchain-based loyalty tokens.
2. These tokens are stored in a secure digital wallet.
3. The guest can redeem them across different services instantly without third-party approval

2. Enhanced Customer Engagement with Tokenized Discounts

Hotels can revolutionise customer engagement by offering tokenized discounts that provide unique benefits.

Tokenized Discounts

Hotels can issue discount vouchers as blockchain tokens, ensuring:

✅ Personalised Offers: Smart contracts automatically apply discounts based on customer preferences.

✅ Transferability: Guests can sell or gift discount tokens to others, increasing engagement.

✅ Global Redemption: Discounts are valid across multiple hotels and travel partners

Example: A frequent traveler receives a 20% off hotel stay token. Instead of letting it expire, they sell it on a secondary marketplace to another traveller.

8. Growth Strategy

JupiterPe's commitment to security and transparency ensures that all transactions are safe and reliable. The app leverages cutting-edge blockchain technology to protect user data and maintain the integrity of the mining process. This dedication to security builds trust among users and encourages widespread adoption of the platform.

9. Conclusion

This project introduces a transformative blockchain-based ecosystem that enhances financial inclusion, security, and transparency. By integrating DeFi, smart contracts, and a robust tokenomics model, the project aims to establish a next-generation digital economy. The roadmap, security measures, and incentives outlined in this document ensure a sustainable and scalable blockchain solution that benefits users, developers, and businesses. Blockchain technology enables seamless loyalty programs and engaging customer incentives in the hotel industry. By integrating tokenized discounts , hotels can enhance guest experiences, drive repeat bookings, and increase brand loyalty.

10. References

A curated list of whitepapers, industry reports, and research articles supporting the project's technological and economic framework. These references provide further reading on blockchain adoption, security protocols, and tokenomics best practices