

# GICOIN WHITEPAPER v1.0

A Secure, Governed, and Utility-Focused BEP-20 Ecosystem  
BNB Smart Chain

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## 1. Abstract

Gicoin is a BEP-20 utility token built on the BNB Smart Chain designed to support decentralized applications, staking incentives, governance participation, and secure ecosystem operations. The project focuses on transparency, controlled token economics, and long-term sustainability through governance-driven decision-making.

## 2. Introduction

Blockchain adoption continues to grow, yet many token ecosystems suffer from weak governance, limited security response mechanisms, and poor transparency. Gicoin aims to address these issues by combining a utility-based token model with staking rewards, on-chain governance, and emergency security controls designed to protect users and the ecosystem.

## 3. Problem Statement

Users lack recovery options when wallet access is permanently lost.

Many token projects have no structured governance.

Security incidents often cause irreversible losses.

Centralized intervention is often hidden and undocumented.

## 4. Gicoin Solution

Gicoin introduces a utility-focused BEP-20 token, on-chain staking and reward mechanisms, transparent governance voting, emergency-only recovery and security response tools, and a roadmap toward decentralized autonomous governance (DAO).

## 5. Technology & Architecture

Blockchain: BNB Smart Chain

Token Standard: BEP-20

Smart Contract Language: Solidity

Framework: Hardhat

Upgradeable Architecture: UUPS (ERC1967 Proxy)

Wallet Support: MetaMask, Trust Wallet

## 6. Tokenomics

Initial Supply: 47,000,000 GIC

Initial Reward Pool: 11,000,000 GIC

Supply Model: Dynamic (governance-controlled)

Burn Mechanism: Supported

## 7. Staking & Rewards

Gicoin holders may stake tokens to earn rewards distributed from a dedicated reward pool.

Rewards are based on staking duration, pool availability, and configurable parameters.

## 8. Airdrop Distribution

Gicoин supports merkle-proof claims, whitelist-based claims, batch execution, and anti double-claim protection for fair token distribution.

## 9. Governance Model

Token-weighted voting system with proposal creation by holders, quorum requirements, and automatic execution upon approval.

## 10. Account Recovery & Emergency Security

A restricted recovery mechanism assists users who permanently lose wallet access. Recovery actions are paused-only, exceptional, fully logged on-chain, and cannot be used for arbitrary fund seizure.

## 11. Governance Roadmap (DAO Future)

Phase 1: Foundation

Phase 2: Semi-Decentralized Governance

Phase 3: Full DAO Transition

## 12. Risks & Disclaimer

Cryptocurrency involves smart contract risk, volatility, regulatory uncertainty, and governance changes. This document is not financial advice.

## 13. Conclusion

Gicoин is designed as a secure, governed, and utility-driven ecosystem delivering transparency, sustainability, and long-term community value.