

NFTs for Adaptive Learning:

A Case Study of iBLOOMING COIN as a Simulation of Educational Value Distribution



Summary

iBLOOMING is a Web3-based education ecosystem that has designed iBLOOMING COIN as a loyalty token for learners and mentors.

In its early phase, the coin is not tradable on public markets, but is used to :

1. Simulate the dynamics of value distribution,
2. Purchasing power
3. Retention behavior around educational content and user interaction

This research explores how NFTs can enhance and extend this strategy.

Background

In traditional education systems, it is difficult to track and reward user participation in a verifiable and equitable way. NFTs provide iBLOOMING with a mechanism to:

01

Record each **learning interaction** as a unique on-chain asset.

02

Issue **NFTs as learning badges**, which are immutable and verifiable credentials.

03

Distribute **NFT-based rewards** to content creators and mentors.

Use-Cases of NFTs in iBLOOMING

NFT Type	Function	Distribution	Added Value
Learning Badge NFT	Proof of participation or course completion	Automatically issued after completing a course	Unlocks access to premium content
Mentor Contribution NFT	Records educator contributions	Based on community ratings and evaluations	Redeemable for iBLOOMING COIN
Profile NFT (Soulbound)	Represents learner identity	Tied to user wallet	Forms part of the educational reputation system
Project NFT	User-generated project artifacts (assignments, videos)	Minted by learners themselves	Can be used as a verifiable portfolio

Long-Term Potential

As the landscape of education continues to evolve, Web3 technology opens the door to transformative long-term opportunities:

Interoperability Across Education Platforms

Credentials and learning records stored on-chain can seamlessly transfer between schools, bootcamps, and employers. Creating a unified, lifelong learning identity.

NFTs as Credentials

Verified NFT certificates can serve as trusted proof for entry into advanced programs, job applications, or exclusive learning opportunities. Eliminating the need for traditional paperwork or centralized validation.

NFT-Based Education Marketplace

A decentralized ecosystem where learners can book mentors, curate peer reviews, and participate in learning DAOs, empowering community-led growth and value exchange within education.

Ethical Notes & Recommendations

To ensure responsible implementation,
the following principles should guide the use of NFTs in education:

01

NFTs in education must remain
non-speculative.

02

All NFTs should serve an **educational
or reputational purpose**, not mere
collectibles.

03

Metadata standardization is critical
for long-term interoperability and
recognition.

Conclusion

NFTs in iBLOOMING are **not mere digital collectibles**,

they are mechanisms of *identity*,
proof, and educational incentives

that may **transform** how we acknowledge and reward learning in decentralized systems.