

## Family Trust Based on Blockchain

### Abstract:

Traditional family trusts are essential tools for wealth management, asset protection, and succession planning. However, they often suffer from inefficiencies such as lack of transparency, legal disputes, high administrative costs, and slow cross-border asset transfers. Blockchain technology offers a transformative solution by enhancing security, automation, and accessibility in trust management.

This paper explores how blockchain can be integrated into family trusts through **smart contracts, immutable records, tokenization of assets, decentralized identity verification, and cross-border payments**. By leveraging **smart contracts**, trust assets can be distributed automatically based on predefined conditions, eliminating the need for intermediaries. The **immutability of blockchain** ensures that trust documents and transactions cannot be altered fraudulently, reducing legal conflicts. Additionally, **tokenization** allows fractional ownership of physical assets, enabling seamless inheritance and transfers. **Decentralized identity systems** enhance security by restricting unauthorized access to trust information.

Despite its potential, blockchain-based family trusts face legal and regulatory challenges. This paper discusses possible solutions, including **compliance with Indian trust laws, the use of private blockchain networks, and Layer 2 scaling solutions** to ensure efficiency. By integrating blockchain technology, family trusts can become more **transparent, cost-effective, and globally accessible**, ensuring secure and efficient wealth management for future generations.

## Aid Distribution Via Blockchain

### Abstract

Government aid distribution often faces challenges such as fraud, fund mismanagement, and delays due to middlemen interference. Blockchain technology offers a transparent, secure, and efficient solution to ensure that financial aid reaches the intended beneficiaries without manipulation. This paper presents a **smart contract-based government aid distribution system** that eliminates middlemen and automates fund transfers using **Ethereum-based smart contracts**.

The proposed system registers verified beneficiaries, allocates funds transparently, and enables **direct, tamper-proof transactions**. Smart contracts execute aid distribution based on predefined conditions, ensuring **only eligible recipients receive funds**. Additionally, **public ledger tracking** enhances accountability, while decentralized identity verification prevents fraudulent claims. By leveraging blockchain, governments can achieve **instant, fraud-resistant,**

**and cost-effective** aid distribution, ensuring that social welfare programs are executed fairly and efficiently.

### **Securing Policy-Making Based on Blockchain**

**Abstract:** "Blockchain for Transparent Governance: Securing Policy-Making and Preventing Corruption"

Government policymaking is often vulnerable to corruption, corporate influence, and unauthorized leaks, leading to unfair laws and misallocation of public funds. Blockchain technology offers a secure, transparent, and tamper-proof solution to ensure accountability in legislative processes. This paper explores how blockchain can be integrated into bill drafting, policymaker voting, law enforcement, and public fund allocation to prevent manipulation and fraud.

By leveraging immutable records, every stage of a bill's development can be tracked, ensuring no unauthorized edits. Smart contracts can automate policy execution, preventing industries from delaying or altering enforcement. Additionally, blockchain-based voting enhances transparency in parliamentary decisions, and decentralized identity (DID) systems secure government data from leaks. Implementing blockchain in governance can eliminate backdoor dealings, prevent policy manipulation, and enhance trust in public institutions.