

Disaster Relief Fund

Abstract

The Disaster Relief Fund is a blockchain-based decentralized application (dApp) designed to provide financial assistance for natural disasters, including earthquakes, floods, and wildfires. This platform facilitates a streamlined and transparent process for collecting donations and allocating funds to verified relief efforts. By leveraging blockchain's inherent transparency and immutability, the platform ensures that donors can securely contribute funds, using cryptocurrencies such as Ethereum, directly to disaster relief causes. The key functionalities of the system include real-time tracking of funds, enabling donors to trace their contributions, and highlighting specific, verified disaster relief initiatives. This ensures that donations are directed to legitimate, urgent causes such as rescue operations, medical aid, and rebuilding efforts. With global accessibility, the platform removes barriers related to geographical location or currency, allowing donors from anywhere in the world to participate. The immutable transaction history recorded on the blockchain guarantees transparency, fostering trust among donors and recipients. By integrating blockchain technology, the Disaster Relief Fund aims to improve the efficiency, accountability, and effectiveness of financial assistance in the aftermath of natural disasters.