Abstract

In the real estate sector of the national economy land racketeering and property double selling have risen to a higher level due to activities of malicious land agents and those that abetted their dubious activities within the government. In this paper a Blockchain of Real Estate and Landed Property transaction ledger system is developed to record property transactions in a distributed ledger that makes double dealing by the criminal land agents impossible. This will prevent the selling of properties to more than one person by land agents and double dealers and will publish transactions in a public ledger in a transparent way. The system is designed using object-oriented analysis and design methodology and the Blockchain was built directly from the cryptographic system. The result of the system development show that the system was able to produce crypto blocks which can be mined and stored in the chain to both produce the data and the reward system for the real estate industry to use in protecting itself from double dealing and from the criminals. The work is implemented using public key cryptography and Python programming language. The system will bust the real estate sector and bring to minimum the malicious activities of the land agents and their collaborators who commit crime by
swindling unsuspecting land buyers and property developers of their fund by double selling and dealing on properties that does not belong to them.

References


Index Terms

Computer Science
Distributed Systems

Keywords
Blockchain, Distributed Ledger, Real-Estate, Cryptography, model