

Block Chain Management based for Security of Cognitive Radio

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Abstract: *The recent advances in wireless communication have led to the problem of growing spectrum scarcity. The problem of spectrum allocation is due to advance research in wireless communication. As new wireless applications are emerging, day after another, and making use of the available wireless spectrum for communication, the demand for spectrum increase makes the available spectrum scarcer. Mostly part of the spectrum is not utilized significantly in the wireless network. Cognitive Radio (CR) is a new technology that enables an unlicensed secondary user to coexist with licensed primary users in licensed spectrum bands without inducing interference to licensed primary users communication. This technology can significantly ease the spectrum redundancy problem & enhance the efficiency of utilization of spectrum. Cognitive Radio Networks (CRN) or Dynamic Spectrum Access Networks are formed by several CR nodes and they are often called NeXt Generation (XG) communication networks. This XG communication network is expected to give high transfer speed to versatile clients through heterogeneous remote designs and dynamic range access procedures. CRNs have drawn in incredible exploration interest in the new years. Nonetheless, research on the security parts of CRNs has been exceptionally restricted. As CRN is like a remote organization, the idea of the remote media is outside, it is more helpless against assaults when contrasted with that of a wired organization. This channel might be stuck/abuse due to remote media information is to be listened to*

Keywords: Blockchain, CRN Security, Error Rate, NES Algorithm

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