Secure Land Registry System using Blockchain Technology

Mrs. M. U. Choudhari[1], Vivek Thorat[2], Suraj Shelke[3], Rehan Tamboli[4]

Professor, Department of Computer Engineering[1]
Students, Department of Computer Engineering[2-4]
NBN Sinhgad Technical Institute Campus, Pune, India

Abstract: *In moment's world, property power is one of the most vital aspects of an existent's wealth and identity. still, traditional land registry systems suffer from inefficiencies, corruption, and vulnerabilities similar as data tampering and loss. This paper proposes a secure and transparent Land Registry System using Blockchain Technology, aiming to attack these issues by offering invariability, decentralization, and translucency. Through the perpetration of blockchain, land records can be digitized, securely stored, and made accessible in a tamper- evidence manner, revolutionizing how property rights are managed. The proposed system demonstrates significant advancements in security, data integrity, and trust between parties.*

Keywords: Land Registry, Data Security, Smart Contracts, Property Management