**Title: The digitization of land ownership verification.**

**Smart E- Porcha**

Abu Talha, Mohammad, Muyeed

Department of Computer Science, American International University-Bangladesh, Dhaka-1229, Bangladesh.

20-44028-2@student.aiub.edu

[a.t.m.muyeed@gmail.com](mailto:a.t.m.muyeed@gmail.com)

**Abstract:**

The process of moving from traditional paper-based procedures to internet resources for digital land ownership verification. This change aims to reduce fraud and problems, improve the effectiveness of land ownership identification processes, and provide a more open and accessible system for property record management. Providing systems to ensure reliability and accuracy of land ownership information. This entails confirming the legitimacy of ownership documents and avoiding the insertion of false or misleading data. Implementing such a system would require collaboration between government authorities, land registries, and technology providers. Legal frameworks and regulations would need to be established to ensure the validity and applicability of block-chain-based land ownership records. Implement robust security measures to ensure the integrity and authentication of land ownership records. This protects against unauthorized access, tampering, and data breaches. The main contributions of digitization of land ownership verification. In real life activity we see the real problems are corruption, non-educational, false documentation, time consuming, obstruction of law, abuse of power, family conflict and religious conflict. we will get rid of many problems. Exploring the integration of emerging technologies such as block-chain, NFT and land ownership verification processes to enhance security, efficiency and transparency.

**Additional Keywords and Phrases:** Digitization, Land Ownership Verification, Smart E-Porcha, Land Records, E-Governance, Property Registration, Blockchain Technology, Digital Transformation, Data Security, Authentication, Government Initiatives, Cloud Storage, Smart Technology, Legal Framework.

**1 INTRODUCTION**

The Concerns about data security, possible legal and regulatory obstacles, the necessity of a strong infrastructure and connectivity, possible stakeholder resistance to change, and the vital importance of preserving data validity and confidentiality in digital format are some of the challenges that are necessary with digitizing land ownership verification, especially in the context of the "Smart E-Porcha" initiative. To guarantee a smooth transition to a more effective and transparent digital land ownership verification system, these issues must be resolved. [7]

Digitization of land ownership verification by “Smart e-Porcha” is imperative and important because of its potential to enhance efficiency, transparency and accessibility in land record management. [4] The initiative promises to streamline processes, reduce paperwork and reduce the risk of fraud. Using digital technology, it opens the way for improved land governance, better decision-making and integration with other government systems, marking a significant step forward in modernizing land administration practices. The digitization of land ownership verification through programs such as "Smart E-Porcha," however, is beset with difficulties mainly because of data security concerns, possible stakeholder resistance to technological change, complex legal and regulatory frameworks, and the requirement for a strong infrastructure. Inadequate communication with stakeholders, inadequate cybersecurity measures, and a lack of thorough planning to overcome legal and regulatory obstacles are frequently the causes of failures. A comprehensive strategy that places a high priority on security, stakeholder cooperation, and strict adherence to legal frameworks is needed to overcome these obstacles. The intricacy of current land administration systems, opposition to technological advancement, and a dearth of all-encompassing solutions have posed difficulties for the digitization of land ownership verification. Prior efforts frequently ran into problems with inadequate integration with current processes, not enough digitization, and insufficient handling of security and legal issues. To address these drawbacks, "Smart E-Porcha" proposes a more technologically sophisticated and all-encompassing method that guarantees a smooth transition to digital land ownership verification with improved security features, stakeholder involvement, and extensive integration capabilities.[15] [14]

**Literature Review**

Additionally, the importance of stakeholder engagement and collaboration is recognized to ensure the success of digitization initiatives. The literature regularly addresses opposition arising from various stakeholders, such as communities, landowners, and government representatives, which calls for targeted communication and education initiatives.

Promising case studies and best practices found in the literature often have many similarities, such as careful attention to legal compliance, thorough planning and efficient use of modern technology. Policy makers and practitioners aiming to implement similar initiatives can learn a lot from these case studies about the critical elements that lead to the success of digitization efforts.

Regarding "Smart e-Porcha", detailed information can provide a more nuanced view of its special advantages and disadvantages. A look at any scholarly or business publications on this project would be helpful in creating a more targeted and situation-specific literature review.

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