Land Registry using Blockchain technology

An innovative method of handling property records is provided by the integration of blockchain technology into land register systems. In the existing system there are drawbacks such as no data privacy, less reliability and lack of network security in sharing the health record among the cloud servers. This proposed system provides trustworthy access control mechanism by using the smart contracts in order to achieve secured Land Records sharing between the land Owner and the Government officials also including Land Buyer. Here a Land Owner can register and feed his details regarding Land which then will be converted into hash value using SHA 512 algorithm and then it will be embed to a Land Records Data. Using this hash value the Register and the Buyer can view the details permitted by the Land Owner. The Register can now provide the Land Documents by viewing the Land record and this will be converted into a block.
This block can be viewed by Buyer and automatically document will also be created.

E-Tendering system using Blockchain technology

Blockchain-based e-tendering systems offer a safe, open, and effective platform for handling tendering procedures. Conventional tendering methods frequently encounter issues such a lack of openness, corruption, bid manipulation, protracted procedures, and disagreements. By utilising its decentralised and unchangeable characteristics, blockchain technology tackles these problems.
The goal of this project is to create a safe, intuitive e-tendering platform that uses blockchain technology to improve the procurement process's efficiency, fairness, and confidence.

Voting system using Blockchain technology

By providing a safe, transparent, and impenetrable platform for voting and counting votes, a blockchain-based voting system transforms the conventional voting procedure. Voter fraud, vote tampering, lack of transparency, and poor voter trust are some of the issues that plague current voting systems, whether they are electronic or paper-based. Blockchain technology's decentralised, transparent, and immutable ledger system helps to overcome these issues.
This project aims to design a blockchain-based voting system that is secure, scalable, and user-friendly, addressing key issues in traditional voting systems and paving the way for transparent, democratic elections.