



# INFORMATICS INSTITUTE OF TECHNOLOGY

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In Collaboration with

UNIVERSITY OF WESTMINSTER

## **Blockchain based Land Deed Transaction System**

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## **Abstract**

In most of the countries land deed transaction system is doing as the manual work or system. There are some issues and risks of the traditional land deed transaction systems were initially identified during the starting point of this research project, like cost of the transactions, time has to spend and also the security purposes.

Incorporating Blockchain can guarantee security and productivity and tackle the previously mentioned issues in traditional land deed transaction systems. Some genuine issues can be settled by blockchain technology . Exploration was done to discover reasonable blockchain types , Hyperledger Iroha was chosen and a model was made for land deed transaction web application.

A sufficient number of users can comprehend this blockchain based web application and use it. This inspired the project researcher to make a prototype for the users to effortlessly make blockchain based land deed transaction web applications with better client experience.

Blockchain based land deed transaction system is a web application that is used to do the land deed transaction and the web application will be handled by the land registry of the government and. From the given arrangements, important setup records and smart contracts, a multi signature facility will be created. Later the blockchain application can be handily sent with less exertion and time.

Keywords- Blockchain Technology, Land deed management and transaction, Hyperledger iroha