

# Property Records And Registration

(blockchain project in python)

Guide Project Contributors : Dr. Jyoti Yadav

17112-Shubham Chincholkar  
17114-Gaurihar Darade  
17137-Deepesh Kushwaha

## **Aim:**

Digitalization the property record and registration system from paper to blockchain.

## **Objective:**

- 1) Generate unique id for every property.
- 2) Property ownership can not be 3) No duplicate owners.
- 4) Benami Registration Elimination.
- 5) faster property verification leading to faster registration.
- 6) increase tax collection

## **Property Registration:**

- 1) liable to challenged in court.
- 2) there are multiple parties claiming for ownership. 3) Verification process is time consuming. 4) leading a corruption.
- 5) leading a huge number of cases in court.

- 1) create login page.
- 2) user home page
- 3) registrar home page. 4) admin home page.

## **Needs and Relevance:**

- 1) if users register the property there are many broker involved in between to registration . Remove the broker party and we do pay extra charge to any broker.
- 2) if users register the property first verify that property is exist or not and that property is not register to anyone else it takes a lot of time for all this processes to be done. To reduce this time and keep it intact, thats why we use blockchain.

## **Significance:**

- 1) Increase the security.
- 2) it will take less time to verify the property and registration.

## **Literature Surve:**

### **Current Problem:**

- 1)Property Registration is a mere record of sales transaction**
  - a)Liable to be challenged in Court
  - b)There could be multiple parties claiming for ownership
  - c)Verification process is cumbersome/ time consuming
- 2)Ownership could be tampered**

a) Leading to huge number of increase in civil cases in courts

### **3) Benami Registrations**

- a) Leading to Corruption
- b) Leading to tax evasions to exchequer

### **Plan Of Work:**

1) **Unique id (Alpha Numeric) of every property.**

2) **Property details on Blockchain.**

- a) unique\_id
- b) Title details
- c) property details
- d) tax details
- e) legal status
- f) market price

3) **Connected to all stakeholder.**

- a) Buyer
- b) seller c) bank
- d) Registration Authority
- e) Notary

4) **User Interface:**

a) **Roles:**

- l) User, Register, Admin

b) **Status Maintain in Blockchain**

- a) Create user

b) Register

c) Sale

c) **UI page:**

- Log in page
- User Home Page
- Admin Home Page
- Register Home Page

### **Workflow**

1) **Create multiple users, register, admin**

2) **user1 sell property user2.**

- a) user1 login.
- b) see his own property list.
- c) In blockchain DB, the status of property change from "registered" to "Intend the sale".

- d) when registrar complete the registration (ownership transfer to user1 to user2).
- e) In Blockchain DB, the status of property change from "Intend to sale" to "Registered".
- f) The property disappear from user1 home page. g)
- The property appear in user2 home page.

## **Bibliography**

[https://www.emerald.com/insight/content/doi/10.1108/RMJ-12-2015-0042/full/html?casa\\_token=Nyd2Wv2lbrwAAAAA:eDMCnWqrLX79vjT-huiLSmlvzVWh7RawwAL5yosmHwsfpRkfmjM2Qe4C8b4c1yVgBYTW0-\\_50-1\\_QlmApLFIA8Pk4s38DINzPgncu-PVSgZlloc7vw](https://www.emerald.com/insight/content/doi/10.1108/RMJ-12-2015-0042/full/html?casa_token=Nyd2Wv2lbrwAAAAA:eDMCnWqrLX79vjT-huiLSmlvzVWh7RawwAL5yosmHwsfpRkfmjM2Qe4C8b4c1yVgBYTW0-_50-1_QlmApLFIA8Pk4s38DINzPgncu-PVSgZlloc7vw)  
<https://www.sciencedirect.com/science/article/abs/pii/S0740624X17303155>